



Key Energy Services, Inc.

Four Corners Division
P.O. Box 900
5651 US Highway 64
Farmington, NM 87499

Phone: 505-327-4935
Fax: 505-327-4962

DATE: 6-23-99

RIG #49

PHILLIPS PETROLEUM COMPANY
5525 HWY 64 NBU 3004
FARMINGTON, N.M. 87401

RECEIVED
JUL 21 1999

ATTN: PATSY CLUGSTON

OIL CON. DIV.
DIST. 3

THIS LETTER IS TO CERTIFY THAT KEY ENERGY SERVICES DID RUN DEVIATION SURVEYS
AT THE LISTED DEPTH ON YOUR SAN JUAN 30-5 UNIT #111 WELL, IN SECTION 13, T-30-N,
R-5-W, IN RIO ARriba COUNTY, NEW MEXICO. N

DEPTH	DEGREE DEVIATION
368	1
855	1
1410	1
1930	3/4
2428	3/4
2893	3/4

DEPTH	DEGREE DEVIATION
3461	3/4
3790	3/4
4135	1/4
8100	1-3/4
8380	1-1/2

(DRILLED WITH HALCO 600 AIR HAMMER
FROM 4165' TO 8390')

TO THE BEST OF MY KNOWLEDGE, I SWEAR THIS INFORMATION TO BE TRUE.

SINCERELY,

JOHN K. RICHARDSON
DRILLING MANAGER

Notary Public

My commission expires: 6/9/00

DATA,PHILSURV