



Key Energy Services, Inc.

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

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

July 15, 2002

Rig No. 47

Phillips Petroleum Company
5525 Hwy 64 NBU 3004
Farmington, NM 87401

Attn: Patsy Clugston

This letter is to certify that Key Energy Services, Inc., did run deviation surveys at the listed depths on the San Juan 31 Fed 3 200 well in S03-T31N-R09W, in San Juan, county, New Mexico.

Depth	Deviation	Depth	Deviation
97'	$\frac{3}{4}^{\circ}$	1715'	$\frac{1}{2}^{\circ}$
189'	1°	2242'	$\frac{1}{2}^{\circ}$
718'	1°	2740'	1°
1219'	$\frac{3}{4}^{\circ}$	3332'	1°

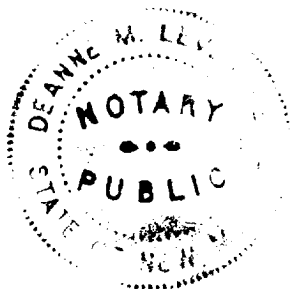
To the best of my knowledge, I swear this information to be true.

Sincerely,

J.D. Griffith
Drilling contract manager

Notary Public

My commission expires: 6/26/06



Phillips Petroleum Company

Well:San Juan 31 Fed 3 #200

Case:Max Potential Displ.

Survey Editor

	East (ft)	Build (deg/100ft)	Walk (deg/100ft)
1	0.0	0.00	0.00
2	0.0	0.16	0.00
3	0.0	0.10	0.00
4	0.0	0.00	0.00
5	0.0	0.05	0.00
6	0.0	-0.05	0.00
7	0.0	-0.10	0.00
8	0.0	0.12	0.00
9	0.0	0.05	0.00
10	0.0	0.05	0.00
11	0.0	0.20	0.00
12	0.0	0.15	0.00
13	0.0	-0.35	0.00
14	0.0	0.60	0.00
15	0.0	0.32	0.00
16	0.0	0.00	0.00
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