



Key Energy Services, Inc.

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

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December 7, 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 32-8 1B well in S23-T31N-R08W, in Rio Arriba county, New Mexico.

Depth	Deviation	Depth	Deviation
95'	$\frac{3}{4}^{\circ}$	3464'	1°
188'	1°	3964'	2°
690'	1°	4463'	$2\frac{3}{4}^{\circ}$
1186'	$\frac{1}{2}^{\circ}$	4715'	$2\frac{1}{4}^{\circ}$
1682'	1°	5208'	2°
2179'	$\frac{3}{4}^{\circ}$	5738'	$3\frac{1}{4}^{\circ}$
2675'	$\frac{3}{4}^{\circ}$	5954'	3°
2952'	$\frac{1}{4}^{\circ}$		

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

