



# PATTERSON-UTI DRILLING COMPANY

A LIMITED PARTNERSHIP

1512 Larimer Street, Suite 730, Denver, Colorado 80202  
303-542-1900 • Fax: 303-542-1903

June 21, 2005

Rig#744  
Black Hills Exploration  
350 Indiana Street, Suite 400  
Golden, CO 80401

30-039-29322

This is to certify that Patterson UTI Drilling, did run deviation surveys at the listed depth on your Jicarilla 462-23 #12 in Sec.23T30NR3W.

Depth	Deviation	Depth	Deviation
246'	1/2°	2263'	1°
787'	1°	2761'	1 1/2°
1285'	1 1/4°	3816'	1 1/2°
1762'	1 1/2°		

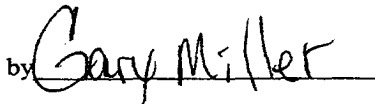
To the best of my knowledge, I swear this information to be true.

Sincerely,

  
Gary Miller  
Area Manager

State of New Mexico county San Juan

This instrument was acknowledged before me

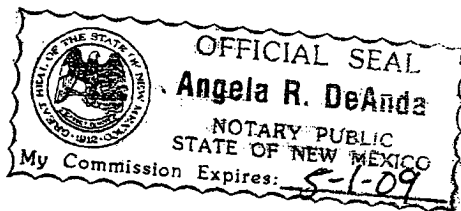
by 

Notary public



My commission expire

5-1-09



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