

WELL NAME AND NUMBER Old Hippy No. 1 30-041-20961
 LOCATION Section 32, T06S, R34E, Unit K, 2035 FSL, 2122 FWL, Roosevelt Cty
 OPERATOR Armstrong Energy Corp
 DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation test and obtained the following results:

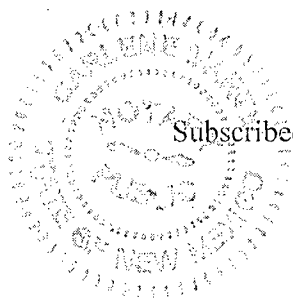
Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
.5° @ 323'	2.6° @ 8029'	
.1° @ 856'	2.3° @ 8147'	
.2° @ 1331'	4.0° @ 8252'	
.4° @ 1838'	3.8° @ 8347'	
1° @ 2345'	3.7° @ 8430'	
1.0° @ 2988'	3.7° @ 8536'	
1.0° @ 3465'	3.3° @ 8633'	
.5° @ 3970'		
.5° @ 4480'		
.4° @ 4987'		
.4° @ 5526'		
.6° @ 6033'		
.4° @ 6445'		
.9° @ 6952'		
.8° @ 7491'		
2.5° @ 7966'		

Drilling Contractor- UNITED DRILLING, INC.

By: Luisa Noriega
 (Luisa Noriega)

Title: Assistant Office Manager

Subscribed and sworn to before me this 7th day of August, 2014.



Carlene Maitin
 Notary Public
Chaves New Mexico
 County State

My Commission Expires: 10/8/16

AUG 19 2014