

30-041-20954 DEC 18 2012

WELL NAME AND NUMBER Long Tall Sally No. 1LOCATION Section 19, T5S, R34E, Lot B, 915 FNL, 2115 FEL, Roosevelt Cty

RECEIVED

OPERATOR Armstrong Energy CorpDRILLING 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
.4° @ 631'	.4° @ 5667'	
.2° @ 883'	.8° @ 6142'	
.3° @ 1136'	.5° @ 6648'	
.3° @ 1348'	.8° @ 7128'	
0.0° @ 1644'	.1° @ 8018'	
.6° @ 1898'		
.4° @ 2151'		
.6° @ 2431'		
.8° @ 2690'		
.8° @ 2943'		
.3° @ 3169'		
.2° @ 3421'		
.5° @ 3674'		
.2° @ 4181'		
.9° @ 4687'		
0° @ 5161'		

Drilling Contractor- UNITED DRILLING, INC.By: Luisa Noriega
(Luisa Noriega)Title: Assistant Office ManagerSubscribed and sworn to before me this 15th day of December 2012.

Carlene Martin
Notary Public
Chaves New Mexico
County State

My Commission Expires: 10/8/14

KE