

WELL NAME AND NUMBER Liza Jane Federal No. 1
 LOCATION Section 19, T5S, R34E, 1630 FSL, 1220 FEL, 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
.2° @ 374'	2.3° @ 7350'	
1.6° @ 898'	1.9° @ 7603'	
.8° @ 1151'		
2.9° @ 1658'		
3.5° @ 1912'		
4.0° @ 2006'		
3.5° @ 2035'		
.7° @ 4625'		
1.1° @ 4879'		
.8° @ 5195'		
1.3° @ 5512'		
2.1° @ 5767'		
1.7° @ 6020'		
1.0° @ 6304'		
1.7° @ 6558'		
2.2° @ 7065'		

Drilling Contractor- UNITED DRILLING, INC.

By: Angel Salazar
 (Angel Salazar)

Title: Vice President

Subscribed and sworn to before me this 2nd day of August, 2017.

Luisa Noriega
 Notary Public

Chaves NM
 County State

My Commission Expires:

