

Well Name & Number:

NORTH VACUUM ABO NORTH UNIT #113 ✓

API Number: 30-025-39665 ✓

Location: 2471' FNL & 166' FWL, Lot E, Sec. 1, Township 17S, Range 34E, Lea ✓  
County, New Mexico

Operator: Sheridan Production Company

Drilling Contractor: Union Drilling, Inc.

The undersigned hereby certifies that she is an authorized representative of the drilling Contractor who drilled the above described well and that deviation survey tests were conducted and she obtained the following results:

**RECORD OF INCLINATION**

*11 Measured Depth (feet)	*12 Course Length (Hundreds of feet)	*13 Angle of Inclination (Degrees)	*14 Displacement per Hundred Feet (Sine of Angle X100)	*15 Course Displacement (feet)	*16 Accumulative Displacement (feet)
250	250	1	1.75	4.36	4.36
1243	993	1 1/4	2.18	21.66	26.03
1803	560	3/4	1.31	7.33	33.36
2340	537	0	0.00	0.00	33.36
2840	500	0	0.00	0.00	33.36
3826	986	0	0.00	0.00	33.36
4361	535	1/2	0.87	4.67	38.03
5087	726	1/2	0.87	6.34	44.36
6077	990	1/2	0.87	8.64	53.00
7076	999	1/2	0.87	8.72	61.72
8069	993	1/2	0.87	8.67	70.38
9032	963	1	1.75	16.81	87.19

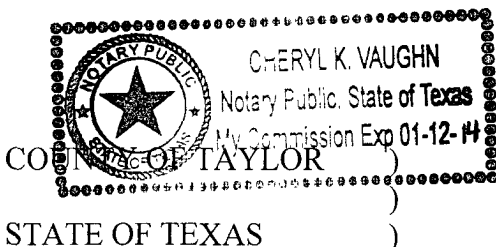
Drilling Contractor: Union Drilling, Inc.

By:

Laura Young  
Laura Young

Title: Office Manager

Subscribed and sworn to before me this 22<sup>nd</sup> Day of July, 2010.



Cheryl K Vaughn  
Notary Public

My Commission Expires: 1-12-2014

KZ PETROLEUM ENGINEER  
SEP 22 2010