



HOBBS OCD

OCT 04 2013

RECEIVED

PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

May 22, 2013

Mack Energy Corporation
PO Box 960
Artesia, NM 88211-0960

30-025-40577

RE: Pintail Federal #2
330' FSL & 2310' FWL
Sec. 8, T18S, R32E
Lea County, New Mexico

Dear Sir,

The attached is the Deviation Survey for the above captioned well.

Very truly yours,

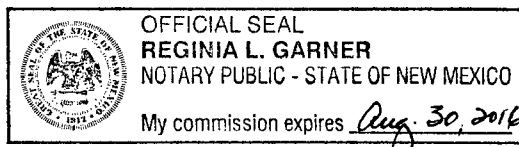
A handwritten signature in cursive script, appearing to read "Chris Graham".

Chris Graham
Drilling Superintendent

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 22nd day of May, 2013.

A handwritten signature in cursive script, appearing to read "Regina L. Garner".

Notary Public

OCT 17 2013

PINTAIL FEDERAL # 2

#	Date	Depth	Deviation	Direction	TVD
	5/15/2013	430	0.30	0.00	0.00
	5/15/2013	728	0.20	0.00	0.00
	5/17/2013	900	0.70	179.50	951.00
	5/17/2013	1024	1.00	181.00	1075.00
	5/17/2013	1211	0.80	161.70	0.00
	5/17/2013	1398	1.10	161.40	0.00
	5/17/2013	1584	1.20	194.80	0.00
	5/17/2013	1771	1.60	173.10	0.00
	5/18/2013	1958	1.30	154.10	2009.00
	5/18/2013	2145	1.00	152.60	2196.00
	5/18/2013	2332	0.90	185.60	2383.00
	5/18/2013	2518	0.70	159.00	2569.00
	5/18/2013	2705	0.70	170.00	2756.00
	5/18/2013	2892	0.50	172.50	2943.00
	5/18/2013	3079	0.10	94.60	0.00
	5/18/2013	3265	0.10	194.20	0.00
	5/18/2013	3452	0.20	13.60	0.00
	5/19/2013	3639	0.30	333.30	3690.00
	5/19/2013	3826	0.50	342.60	3877.00
	5/19/2013	4013	0.90	355.10	4064.00
	5/19/2013	4199	0.90	13.60	0.00
	5/20/2013	4386	0.90	4.50	4437.00
	5/20/2013	4573	0.60	358.80	4624.00
	5/20/2013	4659	0.60	7.50	4710.00