

HOBBS OCD

DEC 21 2012

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



October 17, 2012

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

30-025-40533

RE: Black Jack State #1
2285' FSL & 330' FEL
Sec. 18, T18S, R33E
Lea County, New Mexico

Unit I

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".

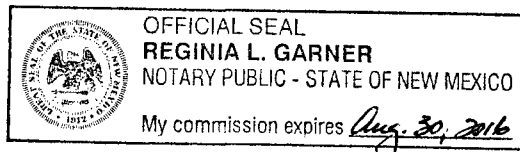
Chris Graham
Drilling Superintendent

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 17th day of October, 2012.

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

Notary Public



Pason DataHub Deviation Survey
Well Dossier 1348683414 - BLACK JACK STATE #1

# Date	Depth	Deviation	Direction
9/26/2012	293	0.40	0.00
9/26/2012	617	0.40	0.00
9/27/2012	938	0.50	0.00
9/27/2012	1256	0.60	0.00
9/27/2012	1576	0.80	0.00
9/28/2012	1665	0.50	17.20
9/28/2012	1855	1.10	12.60
9/29/2012	2044	1.40	20.30
9/29/2012	2234	1.70	17.10
9/29/2012	2427	2.10	9.00
9/29/2012	2808	1.90	35.00
9/29/2012	3093	1.60	49.70
9/29/2012	3283	1.60	39.40
9/29/2012	3474	2.00	33.70
9/30/2012	3821	1.20	31.50
9/30/2012	4012	1.50	10.90
9/30/2012	4204	1.50	19.30
9/30/2012	4395	1.70	30.20
9/30/2012	4585	2.00	21.80
9/30/2012	4712	0.60	43.20
10/1/2012	4903	0.70	39.50
10/1/2012	5092	1.00	40.10
10/1/2012	5283	1.10	24.80
10/1/2012	5472	1.20	32.80
10/1/2012	5663	1.40	33.80
10/1/2012	5854	1.30	43.30
10/2/2012	6044	1.50	53.00
10/2/2012	6235	1.80	45.20
10/2/2012	6426	2.40	47.00
10/2/2012	6553	1.00	37.60
10/2/2012	6743	1.40	337.60
10/2/2012	6838	1.70	350.10
10/4/2012	6966	1.40	348.50
10/4/2012	7068	2.40	355.20
10/4/2012	7252	1.40	18.50
10/4/2012	7347	2.20	9.20
10/4/2012	7506	0.00	0.00
10/5/2012	7601	1.10	187.00
10/6/2012	7669	0.50	153.50
10/6/2012	7730	0.40	56.70
10/6/2012	7825	1.10	58.30
10/7/2012	7952	1.40	55.90

#	Date	Depth	Deviation	Direction
	10/7/2012	8047	2.00	59.30
	10/7/2012	8142	1.80	67.60
	10/7/2012	8269	1.00	263.10
	10/7/2012	8333	0.60	308.80
	10/8/2012	8427	0.90	311.90
	10/8/2012	8522	1.20	359.00
	10/8/2012	8617	1.80	14.70
	10/8/2012	8744	1.80	30.00
	10/9/2012	8840	2.60	29.10
	10/9/2012	8932	3.20	31.20
	10/10/2012	9027	2.30	37.20
	10/10/2012	9122	1.30	62.10
	10/10/2012	9217	1.70	55.90
	10/10/2012	9312	2.20	41.80
	10/10/2012	9408	3.70	38.20
	10/10/2012	9503	2.90	40.10
	10/11/2012	9693	1.00	33.70
	10/11/2012	9789	1.50	19.90
	10/11/2012	9884	1.80	18.60
	10/13/2012	9982	0.80	13.20
	10/13/2012	10051	1.00	8.90
#	EOF			