



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

HOBBS OCD

SEP 23 2014

RECEIVED

August 4, 2014

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

RE: Black Jack State #3
990' FSL & 330' FEL
Sec. 18, T18S, R35E
Lea County, New Mexico

Dear Sir,

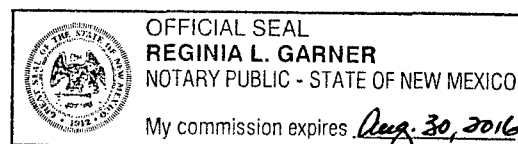
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Chris Graham
Drilling Superintendent

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 4th day of August, 2014.

Notary Public

SEP 30 2014

Black Jack State #3

Date	Depth	Deviation	Direction
7/21/2014	243	1.00	0.00
7/21/2014	490	0.30	0.00
7/21/2014	790	0.60	0.00
7/21/2014	1073	0.30	0.00
7/22/2014	1360	0.20	0.00
7/22/2014	1642	0.40	0.00
7/24/2014	1797	0.40	286.90
7/24/2014	2047	1.10	21.50
7/24/2014	2299	0.70	79.50
7/24/2014	2796	1.60	48.60
7/24/2014	3046	2.80	66.50
7/24/2014	3296	1.40	313.30
7/24/2014	3546	1.20	13.10
7/24/2014	3796	1.40	24.70
7/25/2014	4047	1.40	0.00
7/25/2014	4299	1.40	0.00
7/25/2014	4548	3.50	284.10
7/25/2014	4798	1.10	222.90
7/25/2014	5048	0.20	252.50
7/25/2014	5299	0.50	220.10
7/26/2014	5349	0.50	195.20
7/26/2014	5800	0.50	232.10
7/26/2014	6050	0.70	267.90
7/26/2014	6300	0.50	286.90
7/26/2014	6550	0.90	350.20
7/26/2014	6801	1.10	294.70
7/27/2014	7051	2.50	325.30
7/28/2014	7301	1.80	344.90
7/28/2014	7551	0.50	25.00
7/29/2014	7802	0.40	282.70
7/30/2014	8055	0.50	59.50
7/31/2014	8301	1.60	29.90
7/31/2014	8552	1.60	348.10
8/1/2014	8802	0.70	63.00
8/2/2014	9053	2.80	51.00
8/2/2014	9300	0.20	286.20
8/2/2014	9554	1.40	41.50
8/3/2014	9808	2.50	27.50