



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

HOBBS OCD

AUG 06 2013

RECEIVED

April 10, 2013

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

30-025-41033

RE: Leo State #7
1650' FNL & 990' FEL
Sec. 18, T18S, R35E
Lea County, New Mexico

Dear Sir,

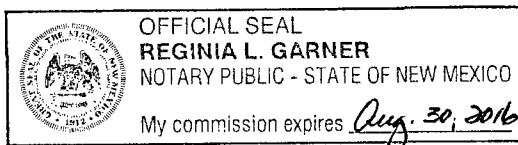
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Chris Graham
Drilling Superintendent

State of New Mexico }
County of Eddy }

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

Notary Public

AUG 22 2013

Well Dossier 1364150898 - LEO STATE # 7

# Date	Depth	Deviation	Direction	TVD
3/25/2013	305	0.50	0.00	773.00
3/25/2013	952	0.40	0.00	1020.00
3/25/2013	1139	0.30	0.00	0.00
3/25/2013	1388	1.10	0.00	0.00
3/25/2013	1637	0.20	0.00	0.00
3/27/2013	1741	0.80	1.40	0.00
3/27/2013	1897	1.20	28.80	0.00
3/27/2013	2083	1.10	17.50	0.00
3/27/2013	2270	1.20	25.40	0.00
3/27/2013	2457	1.50	40.50	0.00
3/27/2013	2644	2.50	44.70	0.00
3/28/2013	3017	0.80	84.40	0.00
3/28/2013	3204	1.10	61.40	0.00
3/28/2013	3390	1.40	41.10	0.00
3/28/2013	3577	1.40	21.00	0.00
3/28/2013	3763	1.40	12.80	0.00
3/28/2013	3951	2.00	357.10	0.00
3/28/2013	4138	1.60	337.80	0.00
3/28/2013	4325	1.80	339.50	0.00
3/29/2013	4511	1.80	343.10	4562.00
3/29/2013	4885	1.60	346.80	0.00
3/29/2013	5071	1.80	351.20	0.00
3/29/2013	5259	2.00	342.70	5310.00
3/30/2013	5445	0.80	23.50	5496.00
3/30/2013	5632	1.00	7.80	5683.00
3/30/2013	5819	1.20	343.30	5870.00
3/31/2013	6015	1.70	321.90	6066.00
3/31/2013	6201	1.90	330.70	6252.00
3/31/2013	6388	1.40	331.30	6439.00
3/31/2013	6576	1.40	328.60	0.00
4/1/2013	7143	2.20	27.60	7194.00
4/2/2013	7510	0.00	311.60	7561.00
4/2/2013	7697	1.10	330.70	0.00
4/3/2013	8071	1.80	350.70	8122.00
4/3/2013	8258	0.70	58.60	8309.00
4/4/2013	9005	1.20	22.20	0.00
4/6/2013	9567	3.50	52.50	9618.00
4/6/2013	9614	2.80	65.80	9665.00