



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

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SEP 25 2018

DISTRICT II-ARTESIA O.C.D.

May 12, 2014

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

RE: Marvel Fee #1
1650' FNL & 1650' FWL
Sec. 1, T23S, R27E
Eddy County, New Mexico

Dear Sir,

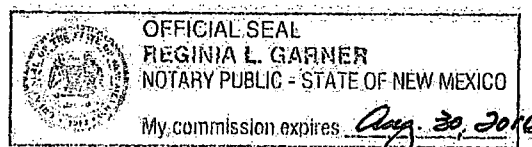
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Chris Graham
Drilling Superintendent

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 12th day of April, 2014.

Notary Public

SCANNED

Marvel Fee #1

Date	Depth	Deviation	Direction
4/27/2014	180	1.40	207.60
4/27/2014	384	2.10	237.60
4/30/2014	503	1.80	22.36
4/30/2014	678	1.40	199.50
4/30/2014	830	1.30	190.40
4/30/2014	1016	1.30	190.40
4/30/2014	1204	1.40	156.00
4/30/2014	1391	2.70	138.70
5/1/2014	1580	2.80	121.80
5/1/2014	1767	2.30	105.20
5/1/2014	1953	1.00	104.20
5/1/2014	2095	1.00	119.40
5/2/2014	2140	0.50	301.70
5/2/2014	2328	0.40	215.70
5/2/2014	2516	0.40	227.00
5/2/2014	2704	0.40	229.30
5/2/2014	2891	0.50	261.40
5/3/2014	3078	0.50	274.50
5/3/2014	3265	1.10	290.30
5/3/2014	3451	1.10	290.80
5/3/2014	3640	1.10	291.70
5/3/2014	3828	0.80	283.60
5/3/2014	4017	1.00	301.80
5/3/2014	4205	0.60	300.70
5/3/2014	4394	0.40	3.70
5/3/2014	4583	0.60	0.30
5/3/2014	4771	0.30	34.20
5/3/2014	4960	0.20	336.90
5/3/2014	5149	0.10	227.10
5/4/2014	5339	0.30	227.90
5/4/2014	5528	0.90	0.00
5/4/2014	5717	0.90	104.50
5/4/2014	5906	0.80	24.40
5/4/2014	6095	0.50	63.50
5/4/2014	6284	0.70	82.20
5/4/2014	6472	0.70	257.90
5/4/2014	6661	1.10	249.80
5/5/2014	6848	2.60	213.90
5/5/2014	7035	1.70	226.10
5/5/2014	7224	1.50	143.60
5/5/2014	7412	2.40	105.90
5/6/2014	7603	1.60	98.50
5/6/2014	7789	1.00	75.50

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Date	Depth	Deviation	Direction
5/6/2014	7977	0.40	60.20
5/6/2014	8165	0.50	208.60
5/6/2014	8354	0.90	170.10
5/6/2014	8543	1.50	146.00
5/7/2014	8732	0.70	187.60
5/7/2014	8921	0.80	180.40
5/7/2014	9110	1.10	189.40
5/7/2014	9298	1.20	155.50
5/7/2014	9387	1.10	140.80

SCANNED