



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

July 31, 2014

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

15-42101

NM OIL CONSERVATION

ARTESIA DISTRICT

SEP 04 2014

RECEIVED

RE: Ape Fee #1
2310' FSL & 330' FWL
Sec. 4, T23S, R27E
Eddy County, New Mexico

Dear Sir,

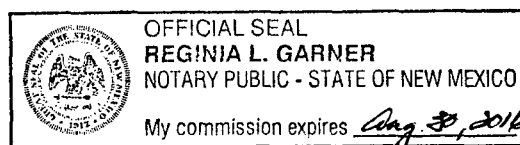
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Chris Graham
Drilling Superintendent

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 31st day of July, 2014.

Notary Public

APE FEE #1

Date	Depth	Deviation	Direction
7/13/2014	156	0.50	0.00
7/13/2014	333	0.80	0.00
7/14/2014	438	1.90	225.50
7/14/2014	621	1.80	256.10
7/14/2014	800	0.70	200.50
7/15/2014	988	1.10	0.00
7/15/2014	1175	1.80	0.00
7/15/2014	1363	1.20	0.00
7/15/2014	1550	2.10	95.10
7/15/2014	1738	2.60	64.10
7/16/2014	1981	0.40	51.10
7/16/2014	2167	0.70	40.60
7/17/2014	2355	0.70	24.70
7/17/2014	2542	0.70	12.10
7/17/2014	2731	0.90	5.40
7/17/2014	2919	1.10	4.40
7/17/2014	3107	1.10	4.40
7/17/2014	3295	0.90	334.50
7/17/2014	3483	0.70	312.30
7/17/2014	3671	0.70	316.90
7/17/2014	3860	0.90	335.90
7/17/2014	4048	0.90	315.10
7/17/2014	4236	1.10	281.00
7/17/2014	4424	1.40	261.70
7/17/2014	4613	1.90	258.50
7/18/2014	4802	1.20	243.40
7/18/2014	4990	1.60	228.70
7/18/2014	5178	1.90	220.90
7/18/2014	5366	1.10	215.30
7/18/2014	5552	1.40	237.80
7/18/2014	5741	2.80	265.20
7/18/2014	5930	0.50	87.00
7/19/2014	6118	0.40	261.00
7/19/2014	6307	0.70	221.60
7/19/2014	6495	0.40	127.80
7/19/2014	6683	0.40	131.60
7/19/2014	6872	1.10	52.20
7/19/2014	7061	0.40	63.40
7/20/2014	7249	0.40	73.30
7/20/2014	7436	0.50	288.40
7/20/2014	7624	1.10	277.20
7/20/2014	7814	1.90	85.60
7/20/2014	8002	2.10	154.50

Date	Depth	Deviation	Direction
7/21/2014	8190	1.60	178.00
7/21/2014	8379	1.10	182.60
7/21/2014	8567	0.70	181.20
7/21/2014	8755	0.90	198.40
7/22/2014	8943	0.70	183.30
7/22/2014	9151	1.10	173.80

EOF