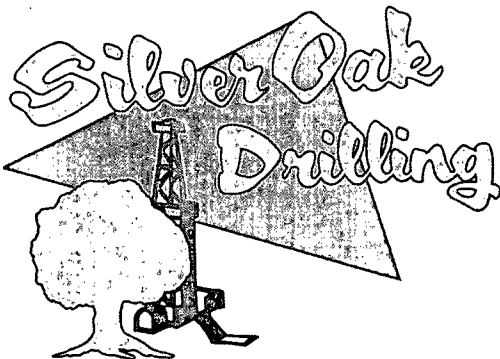
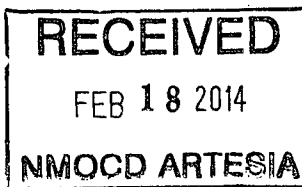




PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288



December 20, 2013

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

RE: Carlsbad Fee #1
990' FSL & 990' FEL
Sec. 35, T22S, R27E
Eddy County, New Mexico

Dear Sir,

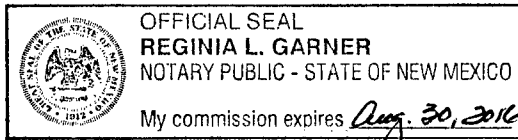
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Chris Graham
Drilling Superintendent

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 20th day of December, 2013.



SCANNED

CARLSBAD FEE #1

Date	Depth	Deviation
12/8/2013	262	1.4
12/8/2013	381	1.9
12/10/2013	797	0.3
12/10/2013	1235	0.8
12/10/2013	1478	1.1
12/10/2013	1665	0.6
12/10/2013	1823	0.5
12/10/2013	1959	0.7
12/12/2013	2171	0.2
12/12/2013	2608	0.3
12/12/2013	3075	0.2
12/12/2013	3542	0.1
12/12/2013	3761	0.1
12/13/2013	4228	0.1
12/13/2013	4728	0.1
12/13/2013	5131	0.1
12/13/2013	5598	0.1
12/13/2013	6096	0.8
12/14/2013	6420	0.5
12/14/2013	6844	0.4
12/15/2013	7296	0.5
12/15/2013	7738	0.5
12/15/2013	8166	1.6
12/16/2013	8619	1.8
12/16/2013	9060	0.4

EOF



SCANNED