



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

COG OPER, LLC
RECEIVED

JUL 29 2013

ARTESIA WEST

ELG 11-4-2013

July 15, 2013

COG, LLC
One Concho Center
600 W. Illinois Ave.
Midland, TX 79701

3D-025-40890

HOBBS OCD

OCT 17 2013

RE: Gunner 16 State SWD #1
330' FNL & 330' FWL
Sec. 16, T16S, R34E
Lea County, New Mexico

RECEIVED

Dear Sir,

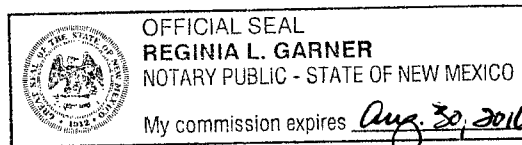
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Chris Graham
Drilling Superintendent

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 15th day of July, 2013.

Notary Public

NOV 05 2013

GUNNER 16 STATE SWD 1

Date	Depth	Deviation	Direction
6/27/2013	442	0.30	0.00
6/27/2013	772	1.10	0.00
6/29/2013	1209	3.00	196.90
6/29/2013	1709	4.30	305.90
6/30/2013	2154	6.80	324.00
7/1/2013	2312	7.90	0.00
7/1/2013	2371	6.90	0.00
7/1/2013	2468	5.20	0.00
7/2/2013	2624	3.50	0.00
7/3/2013	2811	2.70	0.00
7/3/2013	3062	0.60	0.00
7/3/2013	3311	0.60	0.00
7/4/2013	3413	1.50	0.00
7/4/2013	3499	1.60	0.00
7/4/2013	3658	1.30	0.00
7/5/2013	3814	2.10	0.00
7/5/2013	3908	2.00	0.00
7/5/2013	4002	2.30	0.00
7/6/2013	4157	3.00	0.00
7/6/2013	4222	2.50	0.00
7/6/2013	4349	2.20	0.00
7/6/2013	4535	3.00	0.00
7/7/2013	4658	3.40	0.00
7/7/2013	4721	3.20	0.00
7/7/2013	4785	2.40	0.00
7/7/2013	4911	2.40	0.00
7/7/2013	5004	2.00	0.00
7/8/2013	5126	1.90	0.00
7/8/2013	5210	1.80	0.00
7/10/2013	5448	1.60	0.00
7/10/2013	5698	1.50	0.00
7/10/2013	5949	0.50	0.00
7/10/2013	6222	0.40	0.00
7/10/2013	6789	0.50	0.00
7/10/2013	6980	0.00	0.00

EOF