



PO Box 1370
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HOBBS OCD

NOV 21 2014

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September 24, 2014

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

RE: Deckard Federal Com #3H
190' FNL & 1980' FEL
Sec. 13, T24S, R33E
Lea County, New Mexico

Dear Sir,

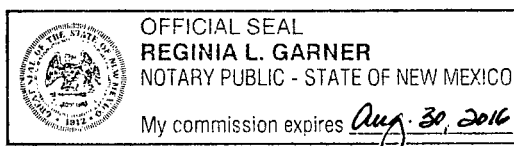
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Eddie LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 24th day of September, 2014.

Notary Public

DEC 15 2014

Deckard Fed Com #3H

Date	Depth	Deviation	Direction	TVD
8/30/2014	193	0.50	0.00	
8/31/2014	427	0.00	0.00	
8/31/2014	667	0.50	0.00	
8/31/2014	919	0.50	0.00	
8/31/2014	1278	0.10	0.00	
9/2/2014	1457	0.30	20.00	
9/2/2014	1741	0.70	0.00	
9/2/2014	2072	0.80	0.00	
9/2/2014	2310	0.80	318.20	
9/2/2014	2595	0.50	283.80	
9/3/2014	2880	0.60	308.50	
9/3/2014	3164	0.40	7.70	
9/3/2014	3449	0.60	25.80	
9/3/2014	3734	0.50	0.00	
9/3/2014	4018	0.90	16.00	
9/3/2014	4303	0.50	339.60	
9/4/2014	4588	2.30	87.50	
9/4/2014	4872	3.40	0.00	
9/4/2014	5088	1.90	0.00	
9/6/2014	5301	1.80	0.00	
9/6/2014	5586	2.30	0.00	
9/7/2014	5871	0.40	0.00	
9/7/2014	6155	0.60	0.00	
9/7/2014	6471	0.60	0.00	
9/7/2014	6787	0.60	0.00	
9/7/2014	7071	0.30	0.00	
9/7/2014	7356	0.20	0.00	
9/8/2014	7641	1.30	0.00	
9/8/2014	7926	1.70	0.00	
9/8/2014	8242	1.40	0.00	
9/9/2014	8520	0.90	0.00	
9/9/2014	8842	0.90	0.00	
9/9/2014	9128	1.50	0.00	
9/10/2014	9413	1.40	0.00	
9/10/2014	9698	0.70	0.00	
9/11/2014	9983	1.10	0.00	
9/12/2014	10324	1.20	0.00	
9/13/2014	10334	1.10	178.90	
9/13/2014	10365	1.70	164.10	
9/13/2014	10397	5.00	168.60	
9/13/2014	10428	8.70	174.30	
9/13/2014	10460	12.60	177.10	
9/13/2014	10492	16.80	178.10	

Date	Depth	Deviation	Direction	TVD
9/13/2014	10587	31.20	177.30	
9/13/2014	10619	34.80	177.10	
9/13/2014	10650	36.80	178.30	
9/13/2014	10682	38.90	179.10	
9/13/2014	10714	40.90	179.80	
9/13/2014	10745	42.50	180.30	
9/14/2014	10803	51.30	180.10	
9/14/2014	10872	48.50	179.50	
9/14/2014	10935	53.90	180.30	
9/14/2014	10966	55.50	178.60	
9/14/2014	10998	57.70	178.10	
9/14/2014	11080	60.20	178.00	
9/14/2014	11125	65.20	178.00	
9/14/2014	11154	66.40	178.30	
9/15/2014	11218	68.70	177.60	
9/15/2014	11250	68.80	177.60	
9/15/2014	11281	69.70	178.40	
9/15/2014	11345	73.50	178.70	
9/15/2014	11376	75.00	178.60	
9/15/2014	11408	76.40	178.60	
9/15/2014	11440	78.50	178.50	
9/16/2014	11471	80.20	178.60	
9/16/2014	11503	81.90	180.10	
9/16/2014	11534	83.50	181.20	
9/16/2014	11566	84.70	181.50	
9/16/2014	11597	85.80	181.20	
9/16/2014	11629	87.10	181.30	
9/16/2014	11851	86.10	183.30	
9/16/2014	11946	86.70	183.40	
9/16/2014	12040	86.80	183.70	
9/16/2014	12230	88.20	183.00	
9/16/2014	12325	87.90	182.60	
9/16/2014	12420	83.20	182.30	
9/16/2014	12514	88.00	181.30	
9/16/2014	12604	88.40	180.10	
9/17/2014	12799	87.70	180.10	
9/17/2014	12894	88.10	179.90	
9/17/2014	12989	88.50	178.90	
9/17/2014	13084	88.30	178.10	
9/17/2014	13179	88.70	177.80	
9/17/2014	13274	88.90	178.30	
9/17/2014	13463	89.50	179.30	
9/17/2014	13558	90.10	179.20	
9/18/2014	13653	89.90	178.60	
9/18/2014	13749	89.30	179.30	

Date	Depth	Deviation	Direction	TVD
9/18/2014	13813	90.40	180.20	
9/19/2014	13938	90.20	181.20	
9/19/2014	14033	89.50	183.20	
9/19/2014	14128	89.50	182.80	
9/19/2014	14223	88.50	182.70	
9/19/2014	14318	88.80	183.20	
9/20/2014	14413	86.90	184.00	
9/20/2014	14509	86.50	183.70	
9/20/2014	14603	86.70	183.40	
9/20/2014	14698	86.80	183.30	
9/20/2014	14793	88.90	182.90	
9/20/2014	14983	88.90	181.10	
9/20/2014	15078	87.10	182.20	
9/21/2014	15174	86.90	182.40	
9/21/2014	15268	87.40	182.20	
9/21/2014	15363	87.30	182.00	
9/21/2014	15393	87.20	182.00	