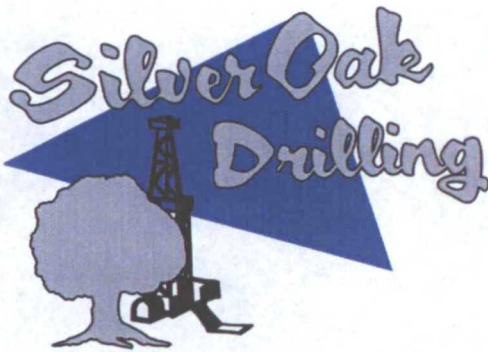
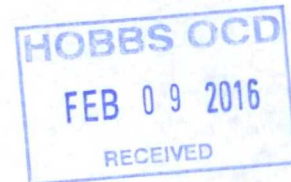




PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288



August 28, 2015

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

RE: Banter State #4H ✓
190' FNL & 660' FWL ✓
Sec. 13, T23S, R34E ✓
Lea 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 28th day of August, 2015.

Notary Public



FEB 15 2016

CY

BANTER STATE COM #4H

Date	Depth	Deviation	Direction	TVD
7/17/2015	210	0.10	0.00	0.00
7/17/2015	496	0.50	0.00	0.00
7/17/2015	826	0.60	0.00	0.00
7/17/2015	1135	0.40	0.00	0.00
7/17/2015	1525	7.40	0.00	0.00
7/19/2015	710	2.60	0.00	0.00
7/19/2015	745	4.20	0.00	0.00
7/20/2015	648	2.20	156.80	0.00
7/20/2015	679	3.90	136.10	0.00
7/20/2015	706	3.90	127.20	0.00
7/20/2015	756	3.10	118.20	0.00
7/20/2015	762	2.40	109.00	0.00
7/20/2015	791	2.20	91.80	0.00
7/20/2015	861	2.20	98.70	0.00
7/20/2015	909	1.80	101.60	0.00
7/20/2015	973	1.40	119.00	0.00
7/20/2015	1004	1.50	0.00	0.00
7/20/2015	1067	1.10	0.00	0.00
7/20/2015	1099	0.90	0.00	0.00
7/20/2015	1194	2.30	0.00	0.00
7/20/2015	1289	2.10	0.00	0.00
7/20/2015	1384	1.30	0.00	0.00
7/21/2015	1498	2.40	210.00	1497.36
7/22/2015	1590	3.40	216.80	0.00
7/22/2015	1716	3.40	214.50	0.00
7/22/2015	1811	2.20	211.50	0.00
7/23/2015	1906	2.00	177.40	0.00
7/23/2015	2001	0.40	278.60	0.00
7/23/2015	2285	1.30	262.80	0.00
7/23/2015	2570	2.60	237.50	0.00
7/23/2015	2854	1.20	248.30	0.00
7/23/2015	3139	0.40	0.00	0.00
7/23/2015	3423	0.90	0.00	0.00
7/24/2015	3708	1.40	0.00	0.00
7/24/2015	3993	1.70	26.30	0.00
7/25/2015	4145	1.60	0.00	0.00
7/25/2015	4307	1.70	0.00	0.00
7/25/2015	4465	1.10	0.00	0.00
7/25/2015	4623	1.20	0.00	0.00
7/26/2015	4782	1.90	0.00	0.00
7/26/2015	4940	0.50	0.00	0.00
8/9/2015	5129	1.20	0.00	0.00

Date	Depth	Deviation	Direction	TVD
8/10/2015	5414	0.90	21.20	0.00
8/10/2015	5698	1.10	2.20	0.00
8/10/2015	5983	0.50	0.00	0.00
8/10/2015	6267	0.90	41.70	0.00
8/10/2015	6552	0.90	26.40	0.00
8/10/2015	6837	0.90	0.00	0.00
8/10/2015	7122	0.80	0.00	0.00
8/11/2015	7407	0.20	71.90	0.00
8/11/2015	7692	0.20	177.30	0.00
8/11/2015	7976	0.10	102.70	7975.00
8/11/2015	8261	0.50	167.50	8260.00
8/11/2015	8545	0.50	209.40	0.00
8/12/2015	8830	0.50	198.20	0.00
8/12/2015	9115	0.60	0.00	0.00
8/13/2015	9401	0.70	203.40	9400.30
8/14/2015	9591	0.70	205.80	9590.30
8/14/2015	9874	1.20	0.00	0.00
8/15/2015	10159	1.20	206.20	10158.00
8/15/2015	10444	0.90	204.90	10443.16
8/16/2015	10729	1.10	203.50	0.00
8/16/2015	10787	0.70	183.10	0.00
8/17/2015	10816	0.80	168.70	0.00
8/17/2015	10848	3.30	173.60	0.00
8/17/2015	10880	7.50	170.70	0.00
8/17/2015	10911	11.50	172.90	10908.00
8/17/2015	10943	15.70	174.50	10939.00
8/17/2015	10975	19.40	175.70	10969.00
8/17/2015	11006	22.00	178.90	10998.00
8/17/2015	11038	25.10	179.10	11028.00
8/18/2015	11070	26.30	181.00	0.00
8/18/2015	11101	27.70	182.90	0.00
8/18/2015	11133	29.20	182.00	0.00
8/18/2015	11165	30.50	181.90	0.00
8/18/2015	11196	32.70	180.90	0.00
8/18/2015	11228	35.10	178.80	0.00
8/18/2015	11260	38.20	177.50	0.00
8/18/2015	11292	42.00	178.50	0.00
8/18/2015	11323	45.30	180.20	11266.00
8/18/2015	11355	48.80	182.00	11287.00
8/18/2015	11386	52.70	181.60	11307.00
8/18/2015	11418	56.80	181.60	11325.00
8/18/2015	11450	61.10	180.70	11542.00
8/18/2015	11482	65.50	179.90	11356.00
8/19/2015	11545	73.20	179.50	0.00
8/19/2015	11577	76.80	179.30	0.00

Date	Depth	Deviation	Direction	TVD
8/19/2015	11608	79.70	178.70	0.00
8/19/2015	11640	83.40	178.20	0.00
8/19/2015	11671	86.00	178.90	11401.00
8/19/2015	11705	87.70	178.70	11402.00
8/19/2015	11734	89.00	178.90	11403.00
8/20/2015	11766	90.10	178.70	11403.00
8/20/2015	11798	90.50	178.50	11403.00
8/20/2015	11829	90.90	178.40	0.00
8/20/2015	11978	91.30	178.10	11401.00
8/20/2015	12019	91.80	178.20	11399.00
8/20/2015	12209	91.50	179.40	0.00
8/20/2015	12304	91.20	180.10	0.00
8/20/2015	12399	92.00	180.30	0.00
8/20/2015	12589	91.00	180.60	11383.00
8/20/2015	12683	90.90	179.80	11382.00
8/20/2015	12778	90.70	11381.00	1635.00
8/21/2015	12873	90.40	181.10	11380.00
8/21/2015	12967	90.70	180.40	11379.00
8/21/2015	13061	90.60	180.30	11378.00
8/21/2015	13251	91.40	178.80	0.00
8/21/2015	13346	91.70	177.80	0.00
8/22/2015	13441	93.00	177.70	0.00
8/22/2015	13536	91.80	178.20	0.00
8/22/2015	13630	91.80	179.20	0.00
8/22/2015	13725	91.00	179.20	0.00
8/22/2015	13820	90.90	179.90	0.00
8/23/2015	13915	89.60	180.10	11357.00
8/23/2015	14063	89.40	180.20	11358.00
8/23/2015	14200	89.60	181.40	0.00
8/23/2015	14295	90.50	180.80	0.00
8/23/2015	14389	88.90	180.40	11359.00
8/23/2015	14484	90.40	180.30	11359.00
8/23/2015	14579	90.30	180.00	11359.00
8/24/2015	14674	90.70	179.60	0.00
8/24/2015	14769	89.60	178.90	0.00
8/24/2015	14864	90.50	178.70	0.00
8/24/2015	14959	90.20	178.40	11357.00
8/24/2015	15053	89.50	178.10	11357.00
8/25/2015	15148	90.30	177.80	0.00
8/25/2015	15243	90.60	178.90	0.00
8/25/2015	15338	89.50	178.80	0.00
8/25/2015	15434	90.50	178.20	0.00
8/25/2015	15529	91.20	178.70	0.00
8/25/2015	15624	91.60	178.90	0.00
8/26/2015	15719	90.90	178.40	0.00

Date	Depth	Deviation	Direction	TVD
8/26/2015	15814	90.90	178.90	0.00
8/26/2015	15838	90.90	179.00	0.00

EOF