

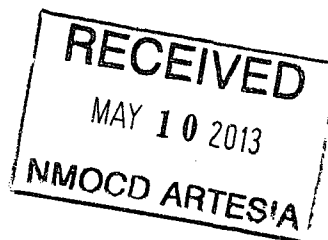


PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

COG OPERATING, LLC
RECEIVED

APR 10 2013

ARTESIA WEST



March 19, 2013

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

30-015-40823

RE: Brutus 12 Federal Com #2H
370' FSL & 2260' FEL
Sec. 12, T26S, R28E
Eddy County, New Mexico

Dear Sir,

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

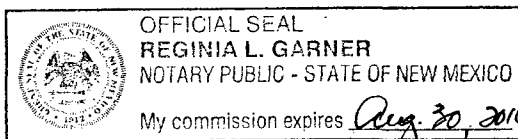
Very truly yours,

Eddie LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 19th day of March, 2013.

Notary Public



BRUTUS 12 FEDERAL COM 2H

Date	Depth	Dev	Dir	TVD
2/19/2013	175	1.10		
2/19/2013	365	0.70		
2/22/2013	600	0.50	292.20	599.98
2/22/2013	695	0.60	261.10	694.97
2/22/2013	791	0.50	198.20	790.97
2/22/2013	886	0.60	217.10	885.96
2/22/2013	982	0.70	211.50	981.96
2/22/2013	1078	0.30	162.50	1077.96
2/22/2013	1268	0.40	248.40	1267.95
2/22/2013	1364	0.40	248.40	1267.95
2/22/2013	1364	0.40	191.60	1363.95
2/22/2013	1744	0.70	156.30	
2/22/2013	1840	0.50	113.40	
2/23/2013	1934	0.70	65.10	1933.93
2/23/2013	2029	1.10	53.30	2028.91
2/23/2013	2125	1.40	75.30	2124.89
2/23/2013	2315	0.80	104.50	2314.87
2/23/2013	2506	1.60	112.20	2505.81
2/23/2013	2592	0.50	48.20	
2/25/2013	3030	0.70		
2/25/2013	3509	0.50		
2/25/2013	3953	0.50		
2/26/2013	4430	0.50		4470.00
2/26/2013	4907	1.00		
2/26/2013	5385	0.60		
2/26/2013	5883	1.50		
2/27/2013	6305	1.50		
2/28/2013	6750	0.80		
2/28/2013	7196	1.20		
2/28/2013	7608	1.10		
3/10/2013	7718	4.70	352.20	7717.08
3/10/2013	7750	11.60	4.10	7748.74
3/10/2013	7781	16.60	6.70	7778.80
3/10/2013	7813	18.90	7.60	7809.00
3/10/2013	7908	23.70	2.00	7898.00
3/10/2013	7972	26.10	2.00	7959.00
3/10/2013	8003	27.70	0.80	7983.66
3/10/2013	8035	30.20	359.70	8011.66
3/10/2013	8067	32.20	1.80	8039.03
3/10/2013	8099	36.40	2.50	8065.46
3/11/2013	8131	40.60	3.00	8090.50
3/11/2013	8226	51.40	1.30	8155.58
3/11/2013	8258	52.60	1.10	8175.28

BRUTUS 12 FEDERAL COM 2H

Date	Depth	Dev	Dir	TVD
3/11/2013	8322	59.10	3.60	8211.00
3/11/2013	8416	69.00	2.00	8252.00
3/11/2013	8479	74.50	1.50	8272.00
3/11/2013	8511	77.30	0.90	8279.91
3/11/2013	8543	81.20	358.30	8285.88
3/12/2013	8586	84.30	357.80	8288.00
3/12/2013	8663	89.00	0.20	8293.00
3/12/2013	8758	89.00		8294.00
3/12/2013	8948	89.30	359.90	8297.91
3/12/2013	9043	90.30	0.90	8298.24
3/12/2013	9139	91.50	1.60	8296.73
3/13/2013	9234	89.90	1.30	8295.51
3/13/2013	9425	89.30	2.70	8297.40
3/13/2013	9521	89.60		
3/13/2013	9616	89.60	3.60	8298.00
3/13/2013	9712	87.10	2.20	8301.00
3/13/2013	9902	88.50	1.60	8310.00
3/13/2013	9997	88.10	0.00	8313.19
3/13/2013	10188	89.50	2.30	8316.32
3/13/2013	10283	89.40	2.00	8317.24
3/13/2013	10378	89.10	2.20	8318.48
3/13/2013	10474	89.10	1.80	8319.99
3/14/2013	10569	89.30	1.60	8321.31
3/14/2013	10760	89.00	1.30	8323.90
3/14/2013	10856	88.50	0.60	8325.99
3/14/2013	10951	89.50	0.00	8327.65
3/14/2013	11142	89.60	359.50	8328.40
3/14/2013	11429	89.30	358.10	8331.15
3/14/2013	11524	89.90	358.30	8331.82
3/14/2013	11620	90.20	357.60	8331.73
3/15/2013	11714	89.30	358.80	8332.14
3/15/2013	11810	89.60	358.80	8333.06
3/15/2013	11905	88.40	359.50	8334.72
3/15/2013	11999	88.00	359.50	8337.68
3/16/2013	12095	87.90	359.90	8341.11
3/16/2013	12188	87.10	359.70	8345.17
3/16/2013	12283	87.50	0.00	8349.64
3/16/2013	12378	89.80	359.00	8351.90
3/16/2013	12473	90.70	0.40	8351.40
3/16/2013	12571	90.70	0.40	8350.27