



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

November 12, 2010

COG, LLC
Fasken Center, Tower II
550 West Texas Ave, Suite 1300
Midland, TX 79701

RE: Harvard Federal #18
405' FNL & 1101' FWL
Sec. 12, T17S, R30E
Eddy County, New Mexico

Dear Sir,

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

Very truly yours,

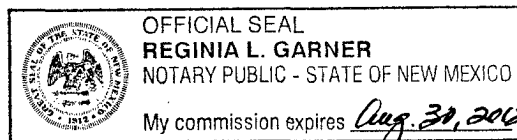
A handwritten signature in cursive script, appearing to read "Eddie C. LaRue".

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 12th day of November, 2010.

A handwritten signature in cursive script, appearing to read "Regina L. Garner".

Notary Public

Harvard Fed #18

Date	Depth	Dev/Inc	Dir/AZ	TVD
11/1/2010	278	0.40		
11/2/2010	910	0.40		
11/4/2010	1396	0.77	122.50	
11/4/2010	1460	1.94	185.70	
11/4/2010	1524	2.78	205.60	
11/4/2010	1587	4.16	207.30	
11/4/2010	1651	5.19	223.10	
11/4/2010	1715	6.50	199.20	
11/4/2010	1778	7.77	200.00	
11/4/2010	1842	8.80	197.60	
11/4/2010	1906	9.71	193.30	
11/4/2010	2001	9.48	193.50	
11/5/2010	2097	8.97	193.20	
11/5/2010	2192	8.62	192.00	
11/5/2010	2256	9.26	193.70	
11/5/2010	2320	10.19	195.30	
11/5/2010	2416	10.16	195.50	
11/5/2010	2512	9.49	195.40	
11/5/2010	2574	10.16	194.90	
11/5/2010	2671	9.96	197.70	
11/5/2010	2707	9.36	195.60	
11/5/2010	2830	10.26	197.40	
11/5/2010	2926	10.28	197.20	
11/5/2010	3022	10.07	197.90	
11/6/2010	3117	9.78	197.90	
11/6/2010	3213	9.55	198.00	
11/6/2010	3277	10.45	197.70	
11/6/2010	3340	12.02	197.70	
11/6/2010	3436	12.17	196.90	
11/6/2010	3531	12.11	196.90	
11/6/2010	3627	11.08	196.30	
11/6/2010	3722	11.12	195.40	
11/6/2010	3818	10.56	195.12	
11/6/2010	3914	10.49	192.90	
11/6/2010	4009	10.33	193.30	
11/7/2010	4105	10.08	192.50	
11/7/2010	4169	9.19	193.60	
11/7/2010	4233	8.53	193.10	
11/7/2010	4296	7.49	196.30	
11/7/2010	4360	6.26	196.20	
11/7/2010	4424	6.09	197.10	
11/7/2010	4488	4.93	200.80	
11/7/2010	4551	3.91	210.20	
11/7/2010	4647	3.74	210.20	
11/7/2010	4743	3.71	212.90	
11/7/2010	4838	3.81	212.20	
11/8/2010	4902	3.69	207.70	
11/8/2010	4998	3.59	205.10	
11/8/2010	5061	3.38	197.20	
11/8/2010	5157	3.46	196.00	

Harvard Fed #18

Date	Depth	Dev/Inc	Dir/AZ	TVD
11/8/2010	5253	3.24	196.00	
11/8/2010	5348	3.08	195.50	
11/8/2010	5444	3.14	194.50	
11/8/2010	5540	3.18	189.70	
11/9/2010	5635	3.13	190.50	
11/9/2010	5731	3.00	192.20	
11/9/2010	5821	3.02	188.30	
11/10/2010	5916	2.85	189.50	
11/10/2010	6011	2.80	187.60	
11/10/2010	6139	2.72	188.70	
11/10/2010	6268	2.49	190.20	