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Artesia, NM 88211-1370
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JUN 01 2010

HOBBSOCD

March 24, 2010

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

30-025-39087

RE: JC Federal #20
2310' FSL & 990' FWL
Sec. 22, T17S, R32E
Lea County, New Mexico

Dear Sir,

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

Very truly yours,

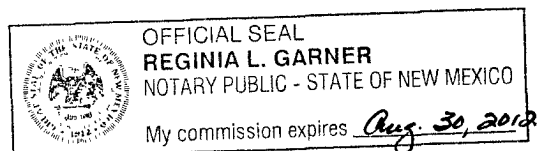
A handwritten signature in cursive script, appearing to read "Eddie C. LaRue".

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 24th day of March, 2010.

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

Notary Public

Pason DataHub Deviation Survey 2010/03/30 11:21:51

Well Dossier 1268434340 - JC Federal 20

#

Depth	Deviation
239	0.70
482	0.70
691	0.40
760	0.30
1251	0.20
1724	1.10
2086	1.50
2342	1.20
2842	0.50
3320	0.80
3761	0.90
4234	1.50
4733	1.20
5211	1.00
5651	1.30
6150	0.50
6629	0.60