



30-025-40152

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

HOBBS OCD

OCT 03 2011

RECEIVED

August 4, 2011

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

RE: MC Federal #52
1650' FNL & 920' FWL
Sec. 21, T17S, R32E
Lea County, New Mexico

Dear Sir,

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

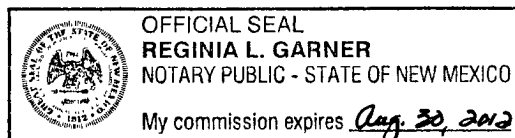
Very truly yours,

Chris Graham
Drilling Superintendent

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 4th day of August, 2011.

Notary Public



OCT 11 2011

Pason DataHub Deviation Survey
Well Dossier 3199053 - MC FED # 52

# Date	Depth	Deviation
7/25/2011	86	0.30
7/25/2011	176	0.20
7/25/2011	264	0.60
7/25/2011	352	0.60
7/25/2011	441	0.90
7/25/2011	560	1.20
7/25/2011	649	0.90
7/25/2011	738	0.50
7/28/2011	1209	0.70
7/28/2011	1680	1.30
7/29/2011	2176	1.50
7/30/2011	2649	0.70
7/30/2011	3123	0.60
7/30/2011	3596	1.50
7/30/2011	3880	1.30
7/31/2011	4351	0.60
7/31/2011	4825	0.70
8/1/2011	5299	0.20
8/1/2011	5774	0.40
8/2/2011	6249	0.50
8/2/2011	6721	0.30
8/2/2011	6944	0.10

EOF