



Document #1733480

DEPARTMENT OF NATURAL RESOURCES
Bill Ritter, Governor
P.O. Box 2651
Durango, CO 81302
Phone: (970) 259-1619
FAX: (970) 259-9128
www.colorado.gov/cogcc

December 20, 2010

Joe & Julie Cundiff
1465 CR 513
Ignacio, CO 81137

RE: **Complaint #200265927**
Water Well Permit #220143
SWSE Sec 16 T34N R8W
La Plata County, Colorado

Dear Mr. & Mrs. Cundiff:

Enclosed please find a copy of the results of the December 9, 2010 sampling of your domestic water well, located on your property at 1465 CR 513 in La Plata County, Colorado. COGCC staff has been sampling your water well for methane and hydrogen sulfide since low levels of these gases were first detected in your water well in May 2010.

Methane gas was detected in the sample collected from your well at a concentration of **1.10 mg/l**. The overall methane concentration has decreased from a high of 2.8 mg/l in early 2010 and appears to have stabilized around the 1 mg/l mark. Hydrogen sulfide has not been detected since the May 2010 sampling event.

Date	Methane (mg/L)	Hydrogen Sulfide (mg/L)
08/14/2008	0.002	<0.1
05/12/2010	2.80	0.3
08/16/2010	1.02	<0.1
10/28/2010	1.15	<0.1
12/09/2010	1.10	<0.1

COGCC staff is continuing to evaluate potential sources of the methane in your well water. Since the methane appears to have stabilized at this time we are moving you to a semi-monthly sampling schedule. You should be able to use the water safely in your home as long as you maintain ventilation as the concentration of methane is at the lower limit of explosive concerns (1.1-2.0 mg/l).

Please feel free to give me a call or email me at karen.spray@state.co.us if you want to discuss these results further. I will stay in contact with you as the investigation proceeds and additional information becomes available.

Joe & Julie Cundiff
Complaint # 200265927
December 20, 2010
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Sincerely,
Colorado Oil & Gas Conservation Commission Staff

Karen L. Spray, PG
SW Environmental Protection Specialist

Attachments: FCG Field Report

Cc: File #200265927

Four Corners Geoscience
P.O. Box 4224
Durango, CO 81302
Water Well Test Field Report

Client
Colorado Oil and Gas
Conservation Commission
Karen Spray

IID(COGCC) 1829

FCG # 120910-R1

12/9/2010
DATE

NAME Joe & Julie Cundiff FU Dec.2010 CH4ONLY

1465 CR 513 Ignacio, CO 81137

AddressWaterWell

MAILINGADD 1465 CR 513 Ignacio, CO 81137

TELEPHONE_ 970-799-2216

Water Well Permit # and Information-Colorado DOWR

WaterWellPermit# 220143

QTRQTR SWSE SECTION 16 TWP North 34 RGE West 8 FTG 1250S2600E

Depth FT 180 Water Level FT 40 Yield(gpm) 3 GallonsPumped 122

Latitude LongitudeDecimal Degrees NAD 83

LatDecDegrees 37.18727 LongDecDegrees -107.72166

Field Chemistries

PH_FIELD 8.61 ElecConductivity(us) 870 TDS_CALC 544 WaterTp(Celsius)_ 12

No water samples collected and delivered to Green Analytical Lab.No samples collected for BART -IRB and SRB.

Methane Result (mg/L)Dissolved

CH4_MG_L 1.10

Detection Limit 0.0005 mg/L

State of Colorado-ColiAlert test-presence or absence of Coliform Bacteria

No Test

SanJuanBasin HlthSOCBacteria

HACH(TM)HydrogenSulfide Test

H_2_S_MG_L <0.1

Detection Limit 0.1 mg/L

COMMENTS

December 2010 follow up for methane analysis with well pumping and field parameters.Met Julie.Sample from faucet in wellhouse.Water clear,very sl."S"odor,no tint,bubbles on sides of bucket,no sediment.