



02469696

05-067-06287

entered  
Project 596

69100

Loc # 325386

1176

PETROGULF  
Domestic Water Well Test  
COGCC Infill Order 112-156;112-157  
FCGeo Water Well Test Report

FCG # 012102-2

BLM NO

DATE 1/21/2002

IID(COGCC)

Marshal Ledford (PostTest)

NAME

878 Quarterhorse Rd. Durango, CO 81303

AddressWaterWell

Same

Mailing Address

970-259-3813

Telephone#

## Water Well Location and Permit Data

176772

WaterWellPermit#

220

WellDepth(Ft)

40

StaticWater Level(Ft)

SENE

QTRQTR

18

SECTION

33

TWP(North)

9

RGE(West)

2240N,240E

FTG

Garmin GPS NADS CONUS 27

-107.85758

Longitude(DecDegrees)

37.10583

Latitude(DecDegrees)

Field Chemistries

7.42

PH\_FIELD

555

COND\_FIELD

347

TDS\_CALC

10.8

WATERTEMP\_

Methane Result (mg/L)  
(Dissolved)

&lt;0.0004 mg/L

Detection Limit 0.0005 mg/L  
USGS/BLM METHODHydrogenSulfide (mg/L)  
HACH Test Kit Field 25378-00

&lt;0.1 mg/L

Detection Limit 0.1 mg/L

San Juan Basin Health-State of Colorado  
Health Dept Coliform Test Only

ABSENT

ColiformBacteria

Owners state "WilliamsField Services "affected by gas well" Stated Williams mitigated neighbors water well. Also concern re: adjacent "Pesticide Company" Refer to Williams&General Pesticide for more information.

COMMENTS

Florida 147

GasWellName

NW NE Sec17 T33N R9W

LocationGasWell

05-067-06287

Four Corners Geoscience conducted onsite field chemistries, observations of physical characteristics of well water while pumping well to receive a fresh aquifer sample. Water samples were collected and delivered to Green Analytical Lab located in Durango, Colorado. Methane samples were delivered to Four Corners Geoscience for analysis for methane in accordance with BLM/USGS Method established in 1993 for LaPlata County Colorado. Onsite water well evaluation and sample collection and analysis are conducted in compliance with La Plata County Government and the Colorado Oil and Gas Conservation Commission Order Number 112-156 and 112-157 established in July 2000. Four Corners Geoscience is not liable for the results or interpretation of these analyses. Qualified specialists should be consulted for interpretation or treatment of water.

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NAME Marshal Ledford (PostTest)

FCG # 012102-2

Lab ID # 7-201-055-01

DATE 1/21/2002

Chemistries

Alkalinity, Total as CaCO<sub>3</sub> 324

TELEPHONE 970-259-3813

Alkalinity, Bicarb as CaCO<sub>3</sub> 324

Alkalinity, Carbonate as CaCO<sub>3</sub> <10

Alkalinity, Hydroxide as CaCO<sub>3</sub> <10

Calcium 84

CH<sub>4</sub>\_MG\_L <0.0004 mg/L

Chloride mg/L 11

CONDLAB 615

COND\_FIELD 555

Flouride mg/L 0.2

Iron <0.05

Magnesium 15

NO<sub>2</sub>NO<sub>3</sub> 7.2

pH Lab 7.29

PH\_FIELD 7.42

Potassium 1.5

Selenium mg/L <0.005

Sodium 25

ColiformBacteria ABSENT

Sulfate 25

TDS Lab 370

TDS\_CALC 347

Hardness 272

CAB 2.22