



02470076

110 655

**FINNEY LAND CO.**

OIL & GAS CONSULTING

P.O. BOX 2471

DURANGO, CO 81302

PHONE: (970) 259-5691 • FAX (970) 259-4279

05-067-08400

LOC # 334422

RECEIVED

FEB 11 02

COGCC

February 6, 2002

Bernice Chastain  
2256 CR 234  
Durango, CO 81301

Re: Pure Resources  
State #36-5 well  
Post Water Well Test Results

Dear Ms. Chastain;

Attached please find a copy of the test results for the water well sample that Pure Resources has taken for the above captioned well. This is to complete the State requirement Order No. 112-56 that states we re-test the well within one year of the completion.

Please don't hesitate to give me a call if you have any questions.

Sincerely,

Finney Land Co.

Michael J. Finney, CPL  
President

enclosures

cc: Hallwood Petroleum  
COGCC  
La Plata County

110 655

RECEIVED

FEB 11 02



COGCC

Acculabs I.D.: 7-112-035-01

Date Received: 12/12/01

Date Reported: 01/18/02

QC Batches:

Finney Land Co / Hallwood Petroleum  
PO Box 2471  
Durango, CO 81302  
Attention: Mike Finney

**PROJECT NAME:** State #36-5  
**PROJECT NUMBER:** Pure Resources  
**SAMPLE I.D.:** Bernice Chastain 121201-2 (Post)

Sample Date: 12/12/01  
Sample Matrix: Water

## Laboratory Report

### RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	Maximum Contamination Level
		LIMIT	RESULT			
Alkalinity, Total	2320B	10	266	1	mg/L	
Alkalinity, Bicarbonate	2320B	10	266	1	mg/L	
Alkalinity, Carbonate	2320B	10	<10	1	mg/L	
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L	
Calcium	200.7	0.5	87	1	mg/L	
Chloride	4500CL	10	19	1	mg/L	
Conductivity	120.1	1.0	744	1	uS/cm	
Fluoride	4500F C	0.2	0.2	1	mg/L	4.0
Iron	200.7	0.05	<0.05	1	mg/L	
Magnesium	200.7	0.5	11	1	mg/L	
Nitrate/Nitrite as N	353.2	0.05	1.9	1	mg/L	
pH	150.1	NA	7.20	NA	SU	
Potassium	200.7	0.5	1.0	1	mg/L	
Selenium	200.9	0.005	<0.005	1	mg/L	0.05
Sodium	200.7	0.5	49	1	mg/L	
Sulfate	4500SO4	10	90	1	mg/L	
TDS	160.1	10	420	1	mg/L	
Hardness	Calc	14	263	1	mg/L	
CAB	Calc		4.17		%	

  
John Green, Laboratory Manager

Pure Resources Formerly  
Hallwood Groundwater Monitoring  
Water Well Test Report

121201-2

FCG\_

110655  
RECEIVED

FEB 11 02

970-247-0378

TELEPHONE\_

COGCC

Bernice Chastain Post

NAME

NO

BLM\_

12/12/2001

DATE

2256 CR234 Durango, CO 81301

AddressWaterWell

Same

MAILINGADD

Water Well Location and Permit Information

unavail

PERMIT\_

65

WELLDEPTH

Feet

25

STATICWATE

Feet

NE

QTRQTR

36

SECTION

35

TOWNSHP

North

9

RANGE

West

-107.79233

LONG

37.26217

LATITUDE

State #36-5

NUMBER

NE Sec 36 T35N R9W

LOCATIONGA

Infill

WELLTYPE

State

FEE\_FED\_TR

Field Chemistries

7.18

PH\_FIELD

640

COND\_FIELD

400

TDS\_CALC

9.5

H2O\_TEMP

Celsius

Methane Result in mg/L

<0.0004 mg/L

CH4\_MG\_L

Detection Limit

0.0004 mg/L

Hydrogen sulfide(HACH Test Kit Field)

<0.1 mg/L

H\_2\_S\_MG\_L

0.1 mg/L Det.Limit

San Juan Basin Health-State of Colorado Health Dept

Absent

BACTERIA\_E

See attached report

Water clear with slight iron odor & slight yellow tint, then decreased, Large (possible pump) bubbles off hose at 20 minutes into pumping No sand or sediment

COMMENTS

Four Corners Geoscience conducted onsite field chemistries, observation of physical characteristics of water while pumping system to receive a fresh aquifer sample. Water samples were collected and delivered to EPA quality assured lab for analysis. Water samples for bacterial analysis were collected and delivered to San Juan Basin Health in Durango, CO. Samples for headspace gas analysis were taken to FCG lab and run within 4 hours of collection or less than 24 hours per USGS standard and methods for these analysis. Four Corners Geoscience is not liable for the results of these analysis and recommends referral to specialists in the field or water treatment. All methods are conducted in accordance with the requirements for this groundwater monitoring program in La Plata Colorado and COGCC Order Numbers 112-156 and 112-157 July 2000

RECEIVED

FEB 11 02



LABORATORY & RADIATION SERVICES  
8100 LOWRY BOULEVARD  
DENVER, CO 80230-6928

US MAIL  
PO BOX 17123  
DENVER, CO 80217

# WATER BACTERIOLOGY

COGCC

To Be Billed

PURE Sht 365

SAMPLE INFORMATION: ☐ COMMUNITY ☐ NON-COMMUNITY ☐ PRIVATE  
PWS ID ☐ ROUTINE ☐ RAW ☐ REPEAT FOR THE MONTH OF  
☐ SPECIAL PURPOSE ☐ FINISHED

NAME OF SYSTEM Bernice Chastain CHLORINE RESIDUAL 0.1 MGL  
2256 Co Rd 234 D60 CITY LAPL 1/1 COUNTY

ADDRESS 2256 Co Rd 234 D60 CITY LAPL 1/1 COUNTY  
ORDERED BY: (SAMPLE MAY NOT BE TESTED IF ALL INFORMATION IS NOT PROVIDED)

FEE STAMP

LAB 106 (07/97)

PHONE ( )  
NAME LYNN P FC Geo  
ADDRESS PO Box 4224  
CITY / STATE / ZIP Durango Colo 81301  
TEST ORDERED ☐ STD BACT. ☐ OTHER

DATE TIME BY  
COLLECTED 12/12/01 ☒ AM  
RECEIVED 12/12/01 ☐ PM

RESULTS: SEE REVERSE FOR EXPLANATION  
TOTAL COLIFORM ☐ PRESENT ☒ ABSENT

MOST PROBABLE NO. 012016 COLIFORM/100ML

☐ DENVER ☒ DURANGO ☐ GRD. JCT.  
ANALYST Ed

7203214-22

## EXPLANATION OF RESULTS

Coliform absent: less than 1.1 (<1.1) indicates a safe sample.

Coliform present: Unsafe Sample, greater than or equal to 1 coliform per 100 ml; water should be treated and retested.

TNTC - Too Numerous To Count: The test plate contained more than 200 bacterial colonies other than coliform. Coliform bacterial growth may have been inhibited. The water supply may be unsafe. Treat and retest.

TNTC - Too Numerous To Count with coliform present: Same as above, but with coliform bacteria present. The presence of other bacteria prevents an accurate coliform count. Water supply is unsafe. Treat and retest.

Confluent Growth: The test plate was covered with bacterial growth. Coliform bacteria growth may have been inhibited. The water supply may be unsafe. Treat and retest.

Confluent Growth with Coliform Present: Same as above, but with coliform bacteria present. The presence of other bacteria prevents an accurate coliform count. Water supply is unsafe. Treat and retest.

Outdated Samples: Sample greater than 48 hours old when received. Please resample.

QNS: Quantity not sufficient for testing. Please resample.

Overfilled: Unsatisfactory, laboratory cannot process accurately. Please resample.