

05-067-08667

Loc# 326670



110 714

**FINNEY LAND CO.**

OIL & GAS CONSULTING

P.O. BOX 2471

DURANGO, CO 81302

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

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COGCC

February 6, 2002

Marilyn Reed  
925 Oso Grande  
Durango, CO 81303

Re: Pure Resources  
Mason #2-4  
Water Well Test Results

Dear Ms. Reed;

Enclosed please find the water well test result for the well that is located on your property. Please note that the state requires that we re-test the well within one year of the completion of the Mason #2-4 well. A representative of Four Corners Geoscience will be getting with you to do this subsequent testing.

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: COGCC

Petrox Resources, Inc.  
La Plata County

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COGCC  
Acculabs I.D.: 7-112-036-01

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:** Mason #2-4  
**PROJECT NUMBER:** Pure Resources  
**SAMPLE I.D.:** Marilyn Reed 121201-1 (Pre)

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	262	1	mg/L	
Alkalinity, Bicarbonate	2320B	10	174	1	mg/L	
Alkalinity, Carbonate	2320B	10	88	1	mg/L	
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L	
Calcium	200.7	0.5	11	1	mg/L	
Chloride	4500CL	10	11	1	mg/L	
Conductivity	120.1	1.0	567	1	uS/cm	
Fluoride	4500F C	0.2	1.5	1	mg/L	4.0
Iron	200.7	0.05	<0.05	1	mg/L	
Magnesium	200.7	0.5	1.0	1	mg/L	
Nitrate/Nitrite as N	353.2	0.05	<0.05	1	mg/L	
pH	150.1	NA	8.26	NA	SU	
Potassium	200.7	0.5	0.6	1	mg/L	
Selenium	200.9	0.005	<0.005	1	mg/L	0.05
Sodium	200.7	0.5	110	1	mg/L	
Sulfate	4500SO4	10	42	1	mg/L	
TDS	160.1	10	315	1	mg/L	
Hardness	Calc	14	32	1	mg/L	
CAB	Calc		7.46		%	

John Green, Laboratory Manager



110714

Hallwood Groundwater Monitoring  
Water Well Test Report

121201-1  
FCG\_

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Marilyn Reed Pre no 12/12/2001 970-259-1858  
NAME BLM\_ DATE TELEPHONE\_

925 Oso Grande Durango, Co 81303 same  
AddressWaterWell MAILINGADD

Water Well Location and Permit Information no Feet unk Feet  
PERMIT\_ WELLDEPTH STATICWATE

NE 2 34 North 9 West  
QTRQTR SECTION TOWNSHP RANGE

-107.81370 37.23920  
LONG LATITUDE

Mason #2-4 S2 NE Sec 2 T34N R9W (NUL) Infill fee  
NUMBER 067-08667 LOCATIONGA WELLTYPE FEE\_FED\_TR

Field Chemistries

8.34 500 313 10.2 Celsius  
PH\_FIELD COND\_FIELD TDS\_CALC H2O\_TEMP

Methane Result in mg/L <0.0004 mg/L Detection Limit 0.0004 mg/L  
CH4\_MG\_L

Hydrogen sulfide(HACH Test Kit Field) <0.1 mg/L 0.1 mg/L Det.Limit  
H\_2\_S\_MG\_L

San Juan Basin Health-State of Colorado Health Dept Absent See attached report  
BACTERIA\_E

Locate water well near house. water clear,no odor, no tint, no bubbles, no sand or sediment.Trace very fine sand,clear&black brittle shale in bottom bucket  
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

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

US MAIL  
PO BOX 17123  
DENVER, CO 80217

**WATER BACTERIOLOGY**

P.25  
MASON #2-4  
TU 02/11/02

**SAMPLE INFORMATION:**  COMMUNITY  NON-COMMUNITY  PRIVATE

PWS ID  ROUTINE  RAW  REPEAT FOR THE MONTH OF  
 SPECIAL PURPOSE  FINISHED

DATE TIME BY  
COLLECTED 12/12/01  AM 10:29  
RECEIVED 12/12/01  AM  PM

NAME OF SYSTEM MARILYN REED CHLORINE RESIDUAL 0.2 MG/L

ADDRESS 925 OSC GRANDE DEG CITY LA PLATA COUNTY

**RESULTS:** SEE REVERSE FOR EXPLANATION  
TOTAL COLIFORM  PRESENT  ABSENT

ORDERED BY: (SAMPLE MAY NOT BE TESTED IF ALL INFORMATION IS NOT PROVIDED)

MOST PROBABLE NO. 012015  
COLIFORM/100ML

FEE STAMP

PHONE  
NAME LYNN FC GEO  
ADDRESS PO Box 4224  
CITY/STATE/ZIP DURANGO CO 81302

DENVER  DURANGO  GRD. JCT.  
ANALYST ca

LAB 106 (07/97)

TEST ORDERED  STD BACT.  OTHER

**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.

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