



02470081

05-067-08400  
**FINNEY LAND CO.**

OIL & GAS CONSULTING

P.O. BOX 2471

DURANGO, CO 81302

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

LOL# 334422

110 6417

RECEIVED

FEB 11 02

COGCC

February 6, 2002

Cindy Winn  
2312 CR 234  
Durango, CO 81301

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

Dear Ms. Winn;

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

110647



COGCC

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

Acculabs I.D.: 7-112-035-02  
Date Received: 12/12/01  
Date Reported: 01/18/02

QC Batches:

**PROJECT NAME:** State #36-5  
**PROJECT NUMBER:** Pure Resources  
**SAMPLE I.D.:** Cindy Winn 121201-3 (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	240	1	mg/L		
Alkalinity, Bicarbonate	2320B	10	228	1	mg/L		
Alkalinity, Carbonate	2320B	10	12	1	mg/L		
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L		
Calcium	200.7	0.5	64	1	mg/L		
Chloride	4500CL	10	<10	1	mg/L		
Conductivity	120.1	1.0	551	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	8.1	1	mg/L		
Nitrate/Nitrite as N	353.2	0.05	0.09	1	mg/L		
pH	150.1	NA	7.24	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	34	1	mg/L		
Sulfate	4500SO4	10	59	1	mg/L		
TDS	160.1	10	305	1	mg/L		
Hardness	Calc	14	193	1	mg/L		
CAB	Calc		0.73		%		

  
John Green Laboratory Manager

11P 647

Pure Resources Formerly  
Hallwood Groundwater Monitoring  
Water Well Test Report

121201-3  
FCG\_

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FEB 11 02  
COGCC

Cindy Winn Post  
NAME

NO  
BLM\_

12/12/2001  
DATE

970-259-4797  
TELEPHONE\_

2312 CR 234 Durango, CO 81301  
AddressWaterWell

Same  
MAILINGADD

Water Well Location and Permit Information

unavail PERMIT\_ 88 Feet 32.6 Feet  
WELLDEPTH STATICWATE

NE QTRQTR 36 SECTION 35 TOWNSHP North 9 RANGE West

-107.79465 LONG 37.26291 LATITUDE

State #36-5 NUMBER NE Sec 36 T35N R9W LOCATIONGA Infill WELLTYPE State FEE\_FED\_TR

Field Chemistries

7.28 PH\_FIELD 468 COND\_FIELD 293 TDS\_CALC 9.2 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; very slight cloudy with some fine bubbles with trace white foamy stringer atop water in bucket, no dor, no tint, 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

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FEB 11 02



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

US MAIL  
PO BOX 17123  
DENVER, CO 80217

### WATER BACTERIOLOGY

To Be Billed  
PURE

State 36-5

SAMPLE INFORMATION:  COMMUNITY  NON-COMMUNITY  PRIVATE

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

NAME OF SYSTEM: CINDY LINN CHLORINE RESIDUAL: \_\_\_\_\_ MG/L

ADDRESS: 2312 CR 239 D60 CITY: La Plata COUNTY: \_\_\_\_\_

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

FEE STAMP

PHONE: \_\_\_\_\_

NAME: LYNN P FC 600

ADDRESS: PO Box 427A

CITY / STATE / ZIP: DURANGO CO 81302

LAB 108 (07/97)

TEST ORDERED:  STD BACT.  OTHER \_\_\_\_\_

DATE TIME BY  
COLLECTED: 12/12/01  AM  PM 13:30

RECEIVED: 12/12/01  AM  PM

RESULTS: SEE REVERSE FOR EXPLANATION

TOTAL COLIFORM  PRESENT  ABSENT

MOST PROBABLE NO. \_\_\_\_\_ COLIFORM/100ML

012017

DENVER  DURANGO  GRD. JCT.  
ANALYST: CA

7283214-22

### 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.