



02470098

RETROX

110 712

05-067-08670  
Loc # 334038

**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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FEB 11 02

COGCC

February 6, 2002

Ray & Gen Duell  
1019 CR 330  
Ignacio, CO 81137

Re: Petrox Resources, Inc.  
Duel 32-6; #5-1  
Water Well Test Results

Dear Mr. & Mrs. Duell;

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 Duell 32-6; #5-1 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

110712

Petrox Groundwater Monitoring  
Water Well Field Data Results

RECEIVED

Ray & Gen Duell Pre 12/4/2001 no 120401-4 2201211 02  
NAME DATE BLM\_ FCG\_ Permit#  
1019 CR 330 Ignacio, CO 81137 same 970-883-2468  
AddressWaterWell MAILINGADD TELEPHONE\_

Water Well Location and Permit Information 130 Feet 40 400E400N  
WELLDEPTH STATICWATE FTG

-107.51510 37.05268  
LONG LATITUDE  
Garmin GPS Decimal Degrees

NENE 5 32 North 6 West  
QTRQTR SECTION TOWNSHP RANGE

Duell 32-6;#5-1 NE Sec 5 T32N R6W  
NUMBER 067-08670 LocationGasWell

Field Chemistries

8.14 920 575 10.6 Celsius  
PH\_FIELD COND\_FIELD TDS\_CALC H2O\_TEMP

Water samples were collected and delivered to Acculab Laboratory by Four Corner Geoscience visit. Results will be mailed to you upon completion of analysis. Refer to "How Well do you Know Your Water Well" Booklet given to you at the time of water test for interpretation

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 Detection Limit 0.1 mg/L  
H\_2\_S\_MG\_L

San Juan Basin Health-State of Colorado Health Dept Test Absent  
BACTERIA\_E

Water clear with slight yellow tint& Fe odor initially;then decreasing.At end no odor,no tint,no bubbles,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 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 per colorado Oil and Gas Conservation Commission Order # 112-156 and 112-157 established in July 2000.

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Colorado Department of Public Health and Environment

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

US MAIL  
PO BOX 723  
DENVER CO 80207

WATER BACTERIOLOGY

*Pohay  
Duell 32-6 5-1 POGCC*

**To Be Filled**

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

DATE TIME BY  
COLLECTED *12/4/01*  AM  PM *1407*  
RECEIVED *12/5/01*  AM  PM

NAME OF SYSTEM *Royal Allen Duell* MG/L  
*1019CR 33 signed Co 8132* CHLORINE RESIDUAL  
ADDRESS CITY COUNTY

RESULTS: SEE REVERSE FOR EXPLANATION

TOTAL COLIFORM  PRESENT  ABSENT

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

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



LAB 106 (07/97)

PHONE \_\_\_\_\_  
NAME *Synn FCGeo*  
ADDRESS *P.O. Box 4224*  
*Durango CO 81302*  
CITY / STATE / ZIP  
TEST ORDERED  STD BACT.  OTHER

*0115tc*  
 DENVER  DURANGO  GRD. JCT.  
ANALYST

72802214-22

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.

110 712



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COGCC

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

Acculabs I.D.: 7-112-010-01

Date Received: 12/05/01

Date Reported: 01/18/02

QC Batches:

**PROJECT NAME:** Duell 32-6  
**PROJECT NUMBER:** #5-1  
**SAMPLE I.D.:** Ray & Gen Duell

Sample Date: 12/04/01

Sample Matrix: Water

# Laboratory Report

## RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	Maximum Contamination Level
		LIMIT	RESULT			
Alkalinity, Total	2320B	10	344	1	mg/L	
Alkalinity, Bicarbonate	2320B	10	328	1	mg/L	
Alkalinity, Carbonate	2320B	10	16	1	mg/L	
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L	
Calcium	200.7	0.5	18	1	mg/L	
Chloride	4500CL	10	15	1	mg/L	
Conductivity	120.1	1.0	1070	1	uS/cm	
Fluoride	4500F C	0.2	1.6	1	mg/L	4.0
Iron	200.7	0.05	<0.05	1	mg/L	
Magnesium	200.7	0.5	2.7	1	mg/L	
Nitrate/Nitrite as N	353.2	0.05	0.09	1	mg/L	
pH	150.1	NA	8.05	NA	SU	
Potassium	200.7	0.5	0.9	1	mg/L	
Selenium	200.9	0.005	<0.005	1	mg/L	0.05
Sodium	200.7	0.5	210	1	mg/L	
Sulfate	4500SO4	10	209	1	mg/L	
TDS	160.1	10	705	1	mg/L	
Hardness	Calc	14	56	1	mg/L	
CAB	Calc		2.39		%	

John Green, Laboratory Manager

