



02470077

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

11D 655

Entered 12/28/01
DEB

RECEIVED

MAR 16 01

COGCC

March 12, 2001

Ms. Bernice Chastain
2256 County Rd. 234
Durango, Colorado 81301

RE: Water Well Test
Hallwood Petroleum, Inc.
State #36-5 Well

05-067-08400

Dear Ms. Chastain:

Attached please find a copy of the Water Well Test report that was done on your water well by Hallwood Petroleum as part of their permitting process for the State #36-5 Well.

Thank you for your cooperation in this matter.

Sincerely,

Michael J. Finney, CPL

For: Hallwood Petroleum, Inc.

xc: Adam Keller, La Plata County Planning
Colorado Oil & Gas Conservation Comm.
Chris Williams, Hallwood

Hallwood Petroleum Groundwater Monitoring

11D 655

Precompletion Water Well Test

RECEIVED

Bernice Chastain

1/30/01

no

MAR 16 01

NAME

DATE

BLM_

2256 CR234 Durango, CO 81301

Same

970-247-0378

COGCC

ADDRESSWAT

MAILINGADD

TELEPHONE_

Water Well Location and Permit Information

unavail

65

Feet

25

PERMIT_

WELLDEPTH

STATICWATE

107.79233

37.26217

LONG

LATITUDE

Garmin GPS Decimal
Degrees

NE

36

35

North

9

West

QTRQTR

SECTION

TOWNSHP

RANGE

State #36-5

State

NE Sec 36 T35N R9W

NUMBER

FEE_FED_TR

LOCATIONGA

05-067-08400

Field Chemistries

7.15

593

371

9

Celsius

PH_FIELD

COND_FIELD

TDS_CALC

H2O_TEMP

Water samples were collected and delivered to laboratory by Four Corner Geoscience the same day as site visit. Results will be mailed to you upon completion of analysis.

Methane Result in mg/L

<0.0004 mg/L

Detection Limit 0.0004 mg/L

CH4_MG_L

No isotope <2.0 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 Test

ABSENT

BACTERIA_E

Water clear slight "Fe" odor, no tint, few small bubbles; possible pump bubbles. No sand or sediment. Re-eval @ 8 mos.

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
6100 LOWRY BOULEVARD
DENVER, CO 80230-6928

US MAIL
PO BOX 17123
DENVER, CO 80217

WATER BACTERIOLOGY

*Hallwood Retirement
State #36-5*

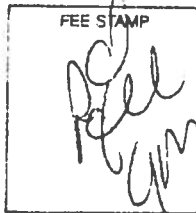
SAMPLE INFORMATION: ☐ COMMUNITY ☐ NON-COMMUNITY ☒ PRIVATE
PWS ID: ☐ ROUTINE ☒ RAW ☐ REPEAT FOR THE MONTH OF
☐ SPECIAL PURPOSE ☐ FINISHED

DATE TIME BY
COLLECTED *1/30/1955* ☐ AM ☒ PM
RECEIVED *1/30/1955* ☐ AM ☒ PM

NAME OF SYSTEM *Bernie Chastain* MGL
1156 CR 234 CHLORINE RESIDUAL
ADDRESS CITY *Durango* COUNTY *La Plata*

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 *FCCG*
ADDRESS *POB4224*
CITY / STATE / ZIP *SCO CO 81302*
TEST ORDERED ☒ STD BACT. ☐ OTHER

002224
☐ DENVER ☒ DURANGO ☐ GRD. JCT.
ANALYST

7200214-22



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MAR 16 01

COGCC

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

Acculabs I.D.: 7-101-058-02

Date Received: 01/30/01

Date Reported: 02/28/01

QC Batches:

PROJECT NAME: Hallwood Petroleum
PROJECT NUMBER: State #36-5
SAMPLE I.D.: Bernice Chastain


Sample Date: 01/30/01

Sample Matrix: Water

Laboratory Report

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	DATE	
		LIMIT	RESULT			ANALYZED	ANALYST
Alkalinity, Total	2320B	10	306	1	mg/L		
Alkalinity, Bicarbonate	2320B	10	306	1	mg/L		
Alkalinity, Carbonate	2320B	10	<10	1	mg/L		
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L		
Calcium	200.7	0.5	110	1	mg/L		
Chloride	4500CL	10	33	1	mg/L		
Conductivity	120.1	1.0	720	1	uS/cm		
Fluoride	4500F C	0.2	0.2	1	mg/L		
Iron	200.7	0.05	<0.05	1	mg/L		
Magnesium	200.7	0.5	14.5	1	mg/L		
Nitrate/Nitrite as N	353.2	0.05	3.3	1	mg/L		
pH	150.1	NA	7.25	NA	SU		
Potassium	200.7	0.5	1.0	1	mg/L		
Selenium	3114B	0.001	0.002	1	mg/L		
Sodium	200.7	0.5	59.8	1	mg/L		
Sulfate	4500SO4	10	106	1	mg/L		
TDS	160.1	10	520	1	mg/L		
Hardness	Calc	14	334	1	mg/L		
CAB	Calc		6.24		%		


John Green, Laboratory Manager