



02470077

11D 655

Entered 12/28/01
DEB

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

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 055

Precompletion Water Well Test

RECEIVED

Bernice Chastain
NAME

1/30/01
DATE

no
BLM

MAR 16 01

2256 CR234 Durngo, CO 81301
ADDRESSWAT

Same
MAILINGADD

970-247-0378
TELEPHONE
COGCC

Water Well Location and Permit Information

unavail PERMIT_ 65 WELLDEPTH Feet 25 STATICWATE

107.79233 LONG 37.26217 LATITUDE

Garmin GPS Decimal Degrees

NE QTRQTR 36 SECTION 35 TOWNSHP North 9 RANGE West

State #36-5
NUMBER

05-067-08400

State
FEE_FED_TR

NE Sec 36 T35N R9W
LOCATIONGA

Field Chemistries

7.15 PH_FIELD 593 COND_FIELD 371 TDS_CALC 9 H2O_TEMP Celsius

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
CHA_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
F.A.H.*

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 Christian MGL _____

ADDRESS 1156 CR 234 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)

FEE STAMP

[Handwritten initials]

PHONE _____

NAME FCG

ADDRESS POB 4224

CITY / STATE / ZIP Dco CO 81302

DENVER DURANGO GRD. JCT.

ANALYST [Signature]

LAB 108 (07/97)

TEST ORDERED STD BACT. OTHER _____

002224

72903214-22



RECEIVED

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