



02469686

FINNEY LAND CO.

OIL & GAS CONSULTING

P.O. BOX 2471

DURANGO, CO 81302

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

11D 647
entered DEB
12/28/07

RECEIVED

MAR 16 01

Project # 596 COGCC

05-067-08400

Loc # 334422

March 12, 2001

Ms. Cindy Winn
2312 County Rd. 234
Durango, Colorado 81301

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

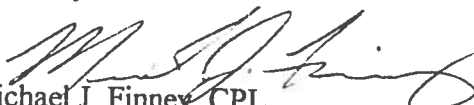
Dear Ms. Winn:

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.

API- 05-067-08400

Sincerely,


Michael J. Finney, CPL
For: Hallwood Petroleum, Inc.

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

11D 647

Hallwood Petroleum Groundwater Monitoring

Precompletion Water Well Test

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-- COGCC

Cindy Winn

NAME

1/30/01

DATE

X

BLM

2312 CR 234 Durango, CO 81301

ADDRESSWAT

Same

MAILINGADD

970-259-4797

TELEPHONE

Water Well Location and Permit Information

unavail

PERMIT

88

WELLDEPTH

Feet

32.6

STATICWATE

-107.79465

LONG

37.26291

LATITUDE

Garmin GPS Decimal
Degrees

NE

QTRQTR

36

SECTION

35

TOWNSHP

North

9

RANGE

West

State #36-5

NUMBER

State

FEE_FED_TR

NE Sec 36 T35N R9W

LOCATIONGA

Field Chemistries

7.27

PH_FIELD

424

COND_FIELD

265

TDS_CALC

10.5

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

CH4_MG_L

Detection Limit 0.0004 mg/L

No isotope <2.0 mg/L

Hydrogen sulfide(HACH Test Kit Field)

<0.1 mg/L

H2S_MG_L

0.1 mg/L Det.Limit

San Juan Basin Health-State of Colorado Health Dept Test

ABSENT

BACTERIA_E

Water clear slight "Fe" odor, no tint, some bubblesthroughout pumping, not effervescent. 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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MAR 16 01

COGCC



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

US MAIL
PO BOX 17123
DENVER, CO 80217

WATER
BACTERIOLOGY

Hallwood Petroleum
State # 36-5

SAMPLE INFORMATION: ☐ COMMUNITY ☐ NON-COMMUNITY ☒ PRIVATE

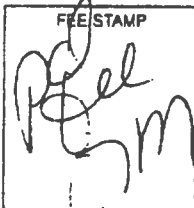
PWS ID ☐ ROUTINE ☒ RAW ☐ REPEAT FOR THE MONTH OF

☐ SPECIAL PURPOSE ☐ FINISHED

NAME OF SYSTEM Circle Win CHLORINE RESIDUAL MG/L

ADDRESS 1318 CR 234 CITY Durango COUNTY

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



LAB 106 (07/97)

NAME FCG

ADDRESS PJB 4224

CITY / STATE Durango CO 81301

TEST ORDERED ☒ STD BACT. ☐ OTHER

DATE TIME BY

COLLECTED 1/30/01 12:35 ☐ AM ☒ PM

RECEIVED 1/30/01 ☐ AM ☒ PM

RESULTS: SEE REVERSE FOR EXPLANATION

TOTAL COLIFORM ☐ PRESENT ☒ ABSENT

MOST PROBABLE NO. 002223 COLIFORM/100ML

☐ DENVER ☒ DURANGO ☐ GRD. JCT.

ANALYST [Signature]

7283214-22

RECEIVED

MAR 16 01

COGCC



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

Acculabs I.D.: 7-101-058-01

Date Received: 01/30/01

Date Reported: 02/28/01

QC Batches:

PROJECT NAME: Hallwood Petroleum
PROJECT NUMBER: State #36-5
SAMPLE I.D.: Cindy Winn

Sample Date: 01/30/01

Sample Matrix: Water

Laboratory Report

RESULTS

PARAMETER	METHOD	REPORT		DIL	UNITS	DATE	ANALYST
		LIMIT	RESULT			ANALYZED	
Alkalinity, Total	2320B	10	252	1	mg/L		
Alkalinity, Bicarbonate	2320B	10	252	1	mg/L		
Alkalinity, Carbonate	2320B	10	<10	1	mg/L		
Alkalinity, Hydroxide	2320B	10	<10	1	mg/L		
Calcium	200.7	0.5	76.5	1	mg/L		
Chloride	4500CL	10	<10	1	mg/L		
Conductivity	120.1	1.0	483	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	9.9	1	mg/L		
Nitrate/Nitrite as N	353.2	0.05	0.08	1	mg/L		
pH	150.1	NA	7.27	NA	SU		
Potassium	200.7	0.5	1.1	1	mg/L		
Selenium	3114B	0.001	<0.001	1	mg/L		
Sodium	200.7	0.5	39.3	1	mg/L		
Sulfate	4500SO4	10	59	1	mg/L		
TDS	160.1	10	345	1	mg/L		
Hardness	Calc	14	232	1	mg/L		
CAB	Calc		6.71		%		


John Green, Laboratory Manager