



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Jim Justice , Governor
Austin Caperton , Cabinet Secretary
www.dep.wv.gov

Tuesday, November 07, 2017
WELL WORK PERMIT
Not Available / Plugging

LEATHERWOOD, INC.
1000 CONSOL ENERGY DR

CANNONSBURG, PA 153176506

Re: Permit approval for FREELAND 1
47-049-01015-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: FREELAND 1
Farm Name: FREELAND, E. J.
U.S. WELL NUMBER: 47-049-01015-00-00
Not Available / Plugging
Date Issued: 11/7/2017

Promoting a healthy environment.

11/10/2017

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

4901015P

WW-4B
Rev. 2/01

1) Date _____, 20 17
2) Operator's
Well No. 1
3) API Well No. 47-049 - 01015

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ____/ Gas ____/ Liquid injection ____/ Waste disposal ____/
(If "Gas, Production or Underground storage ____) Deep ____/ Shallow

5) Location: Elevation 1211.0 Watershed Buffalo Creek
District Mannington County Marion Quadrangle Glover Gap

6) Well Operator Leatherwood, Inc. 7) Designated Agent Seth Wilson
Address 1000 Consol Energy Drive Address 7000 HAMTON CENTER, SUITE K
Canonsburg, PA 15317 MORGANTOWN, WV 26505

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Sam Ward Name Coastal Drilling East LLC
Address P.O. Box 2327 Address 70 Gums Springs Road
Buckhannon WV 26201 Morgantown, WV 26508

10) Work Order: The work order for the manner of plugging this well is as follows:
See attached.

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WV Department of
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Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector [Signature] Date 8/21/2017

11/10/2017

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Plugging Work Order for Permit 47-049-01015

CNX Gas – Freeland

Elevation- 1140'

Original Drill Date 10/12/1911

IT IS LIKELY THAT NO CASING WAS CEMENTED.

JWM

1. Install control head.
2. Check TD 3073'
 - Note-well records indicate shot hole with 2" tubing set at TD
3. Load hole with water or gel for well control as necessary.
4. Cut and pull 2" tubing if present, freepoint and cut as necessary.
5. TIH w/1-1/2" workstring to attainable TD and pump bottom cement plug to either;
 - From TD to bottom of 4-1/2" casing or;
 - 100' plug across 2" casing cut
6. TOOH 1-1/2" workstring
7. Attempt to pull 4-1/2" casing, freepoint and cut as necessary.
 - Well records indicate 4-1/2" inside 5-1/2" casing. 5-1/2" casing set to 2275'.
 - If unable to pull, perforate 4-1/2" casing w/4spf every 100' from TOC to bottom of 5-1/2" or freepoint.
8. Remove 4-1/2" casing
9. TIH w/workstring and pump 100' cement plug across 4-1/2" cut.
10. TOOH 1-1/2" workstring.
11. Attempt to pull 5-1/2" casing, freepoint as necessary.
 - If unable to pull, perforate w/4spf every 100' from CT to bottom of 8-5/8" casing or at freepoint.
12. Remove 5-1/2" casing.
13. Attempt to pull 8-5/8" casing
 - If unable to pull, perforate 8-5/8" casing from CT to surface w/4spf every 100'
14. TIH w/1-1/2" workstring and CTS.
15. TOOH 1-1/2" workstring and top off hole with cement.
16. Install 6" x 14' monument (10' below grade, 4' above grade) with company name, date and API 47-049-01015.

Cement Plug across all cuts (SDW)

Inspector may request alternate method of cutting casing if pipe is shot & cannot be pulled.

Work Order approved by Inspector Sam D. Warratt Date: 8/21/2017

Note: All cement will be Class A. All spacers between plugs will be 6% gel

11/10/2017

WR-35

05-Nov-93

API # 47- 49-01015 N

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WV Department of
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MAR 28 1994

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: FREELAND, E. J. Operator Well No.: FREELAND #1

LOCATION: Elevation: 1,140.00 Quadrangle: GLOVER GAP

District: MANNINGTON County: MARION
Latitude: 2800 Feet South of 39 Deg. 37Min. 30 Sec.
Longitude 7500 Feet West of 80 Deg. 22 Min. 30 Sec.

Company: GREENRIDGE OIL, INC.
R.D. 1, BOX 267
NEW FREEPORT, PA 15352-0000

Agent: JOHN LAVELLE

Inspector: RANDAL NICK
Permit Issued: 11/08/93
Well work Commenced: Aug. 11, 1911
Well work Completed: Oct. 12, 1911
Verbal Plugging
Permission granted on: _____
Rotary Cable _____ Rig
Total Depth (feet) 3073
Fresh water depths (ft) _____

Drilled

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? N
Coal Depths (ft): PHS. 1018

| Casing & Tubing | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|-----------------|------------------|--------------|------------------------|
| Size | | | |
| 10" | 296-Rolled | | |
| 8 5/8 casing | 1501 | 1501 | |
| 5 1/2 casing | 2275 | 2275 | |
| 4 1/2 casing | 2632 | 2632 | |
| 2" Tubing | 3073 | 3073 | |

OPEN FLOW DATA

Producing formation 30' SAND (NINEVAH) Pay zone depth (ft) 3059
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: Ralph Cooklin
GREENRIDGE OIL, INC.

By: Kevin Cooklin
Date: 3/24/94

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Union Gasoline & Oil Corporation **Company**

Division 6 25A

Record of Well No. 1428 on Eber Freeland Farm 72 Acres
 Hundred Field Mannington District Tazewell Marion County W. Va. State
 Rig Commenced 19 Completed 19
 Drilling Commenced Aug. 11th. 1911 Completed Oct. 12th. 1911
 Cost per Foot Contractor Pat Gallagher Address
 Drillers' Names J.C. Morris. Charley Hull

| BOILER | | | ENGINE | | | | RIG | | | |
|--------|-----|---------------|--------|-----|---------------|-----|-----|--------|-----------------|--|
| H. P. | No. | Name of Maker | H. P. | No. | Name of Maker | New | OM | Height | Name of Builder | |

| CONDUCTOR AND CASING USED IN DRILLING | | | | | | | | | | |
|---------------------------------------|---------|------------|-------------|------------------|--------|--------|--------|------------------|--------|----------|
| Conductor | 12 inch | 10 inch | 8 inch | 6 inch | 4 inch | 3 inch | 2 inch | 1 1/2 inch | 1 inch | 3/4 inch |
| <u>16</u> | | <u>296</u> | <u>1501</u> | <u>2274 1/2"</u> | | | | <u>2632 1/2"</u> | | |

| CONDUCTOR AND CASING LEFT IN WELL | | | | | | | | | | |
|-----------------------------------|---------|---------|-------------|------------------|--------|--------|--------|------------------|--------|----------|
| Conductor | 12 inch | 10 inch | 8 inch | 6 inch | 4 inch | 3 inch | 2 inch | 1 1/2 inch | 1 inch | 3/4 inch |
| <u>16</u> | | | <u>1501</u> | <u>2274 1/2"</u> | | | | <u>2632 1/2"</u> | | |

| OIL WELL | | | | | GAS WELL | | | | | |
|-----------|-----------------|----------------------|-------------|------|----------|----------------|-----------|-------------|---------------------|-------------|
| When Shut | Size of Turbine | 1st Day's Production | Tubing # | Node | Tanks | Size of Packer | Depth Set | Packed with | 1st Minute Pressure | Rock Press. |
| | | <u>50 bbls</u> | <u>3073</u> | | | | | | | |

| FORMATION | FORMATION | | | REMARKS |
|----------------|-----------|--------|-----------|---------------------------------|
| | Top | Bottom | Thickness | |
| Pittsburg Sand | 1018 | 1023 | 5 | |
| Little Dunkard | 1450 | 1460 | 10 | |
| Big Dunkard | 1472 | 1560 | 87 | |
| Gas Sand | 1675 | 1636 | 60 | |
| Gas Sand | 1650 | 1710 | 60 | |
| Ord. Sand Sand | 1730 | 1760 | 50 | |
| Maxon Sand | 2190 | 2190 | 10 | |
| Big Lime | 2236 | 2320 | 84 | |
| Big Injun Sand | 2320 | 2476 | 57 | Water in Injun Sand |
| 30 Ft Sand | 3049 | | | Top of pay 3069 bottom 3062 1/2 |
| Total Depth | 3073 1/2 | | | second pay 3064-3065 1/2 |

Shot Sept. 2nd. 1925 with 20 qts. Jalo
 Well cleaned out April 1930
 increased production from 12 bbls.
 to 15 bbls. per week.

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4901015P

1) Attach a photo copy of the location of the well on a 7.5 minute Quadrangle with the corresponding longitude and Latitude.
2) Designate the location of the well with the symbol (+).

7500' 39 37 30

7.5" Tick

2800' 22 30

18228
GLOVER GAP QUADRANGLE
WEST VIRGINIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW 1/4 MANNINGTON 15' QUADRANGLE
1 750 000 FEET
80° 22' 30" W
39° 37' 30" N



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief.

SIGNED [Signature]
TITLE President

Well Name - E. J. Freeland

DATE 1/8, 1993

REC-1
Environmental Protection
JUN 26 93
Permitting
Office of Oil & Gas

OPERATORS WELL NO. _____
API WELL NO. 049-1015-N

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
E. "GAS" PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____

LOCATION: ELEVATION 1140 Est WATER SHED Big Row
DISTRICT Mannington COUNTY Marion
QUADRANGLE 25 x 35 Glover Gap 374

LEASE OWNER _____ ACREAGE _____
OIL & GAS ROYALTY OWNER _____ LEASE ACREAGE 72
LEASE NO. _____

PRODUCING FORMATION Ninevah Sand OP. 19970 TOTAL DEPTH 3073

WELL OPERATOR Greenside Oil Co. DESIGNATED AGENT John Lavelle

ADDRESS P.O. #1 Box 267 ADDRESS R.D. 1 Box 72

New Freeport, Pa. 15352 Knob Fork, WV 26579

Glover Gap 3 11/10/2017

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WW-4A
Revised 6-07

AUG 29 2017

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1) Date: _____
2) Operator's Well Number
1 _____

3) API Well No.: 47 - 049 - 01015

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL


| | |
|---|------------------------------------|
| 4) Surface Owner(s) to be served: | 5) (a) Coal Operator |
| (a) Name <u>KATHERINE GLOVER ETAL & GEORGE R FREELAND</u> | Name <u>N/A</u> |
| Address <u>121 20TH ST</u> | Address _____ |
| <u>FAIRMONT WV 26554</u> | _____ |
| (b) Name _____ | (b) Coal Owner(s) with Declaration |
| Address _____ | Name <u>See attached</u> |
| _____ | Address _____ |
| (c) Name _____ | Name _____ |
| Address _____ | Address _____ |
| _____ | _____ |
| 6) Inspector <u>Sam Ward</u> | (c) Coal Lessee with Declaration |
| Address <u>P.O. Box 2327</u> | Name <u>N/A</u> |
| <u>Buckhannon WV 26201</u> | Address _____ |
| Telephone <u>304-389-7583</u> | _____ |

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Well Operator Leatherwood, Inc.
 By: Gerald Ramsburg 
 Its: General Manager
 Address 1000 Consol Energy Drive
Canonsburg, PA 15370
 Telephone (724) 485-4081

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
 Lori L. Walker, Notary Public
 Richhill Twp., Greene County
 My Commission Expires Feb. 23, 2019

Subscribed and sworn before me this 20th day of June 2017
Lori L. Walker Notary Public
 My Commission Expires February 23, 2019

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

11/10/2017

WW-4A Attachment

Freeland 1 API# 47-049-01015

Coal Owner(s):

- ✓ CONSOL Mining Company, LLC
1000 Consol Energy Drive
Canonsburg, PA 15317
- ✓ George R. Freeland
600 Neville Road
Beaver, PA 15009
- ✓ Katherine Virginia Glover
16510 Robinson Road
Plain City, OH
- ✓ Matthew W. Freeland
12608 Whispering Pine Lane
Marion, IL 62959
- ✓ Phyllis Freeland Basham
553 Long "LDG"
Walton, WV 25286
- ✓ Sharon Freeland Church
229 Mohican Trace
Wilmington, NC 28409-3420

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Environmental Protection

WW-9
(5/16)

AUG 29 2017

API Number 47 - 049 - 01015
Operator's Well No. _____

WV Department of
Environmental Protection

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Leatherwood, Inc. OP Code 494476721

Watershed (HUC 10) Buffalo Creek Quadrangle Glover Gap

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

If so, please describe anticipated pit waste: _____

Will a synthetic liner be used in the pit? Yes No If so, what ml.? _____

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Waste Management or Ryan Environmental will use vacuum trucks, and properly dispose of any fluid or waste returns)

SDew
8/21/2017

Will closed loop system be used? If so, describe: no

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. na

-If oil based, what type? Synthetic, petroleum, etc. _____

Additives to be used in drilling medium? na

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. na

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) _____

-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature *[Signature]*

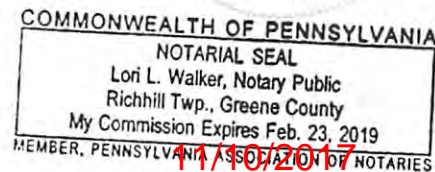
Company Official (Typed Name) Gerald Ramsburg

Company Official Title General Manager

Subscribed and sworn before me this 20th day of June, 2017

[Signature] Notary Public

My commission expires February 23, 2019



4901015P

Operator's Well No. _____

Proposed Revegetation Treatment: Acres Disturbed less than 1 acre Prevegetation pH _____

Lime 2-3 Tons/acre or to correct to pH _____

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch hay or straw 2 Tons/acre

Seed Mixtures

Temporary

Permanent

| Seed Type | lbs/acre |
|----------------|----------|
| Tall Fescue | 40 |
| Landino Clover | 5 |

| Seed Type | lbs/acre |
|----------------|----------|
| Tall Fescue | 40 |
| Landino Clover | 5 |

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

S. J. DeWanatt

Comments: _____

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WV Department of
Environmental Protection

Title: OOG Inspector

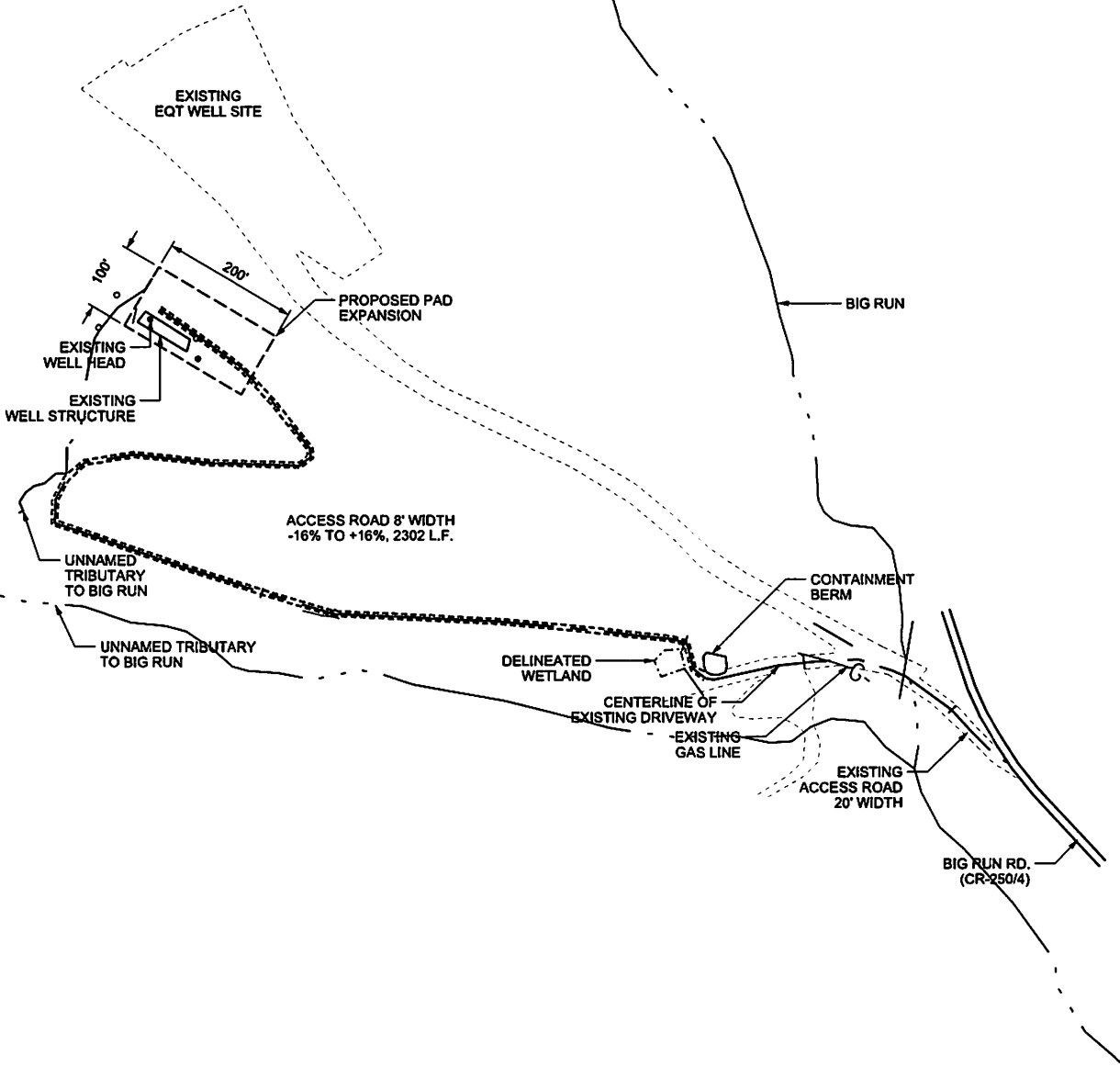
Date: 8/21/2017

Field Reviewed? () Yes (X) No

4901015P



THIS PLAN IS FOR THE PLUGGING OF AN EXISTING WELL.
THE ENTIRE LENGTH OF ACCESS IS EXISTING WELL ROAD.
ROCK WILL BE USED WHERE NECESSARY.



K:\CNX Waynesburg\1716014 - Freeland Well Plug\Plans\SITE PLAN\SITE PLAN - WW9.dgn

7:13:03 PM

5/30/2017

1:250

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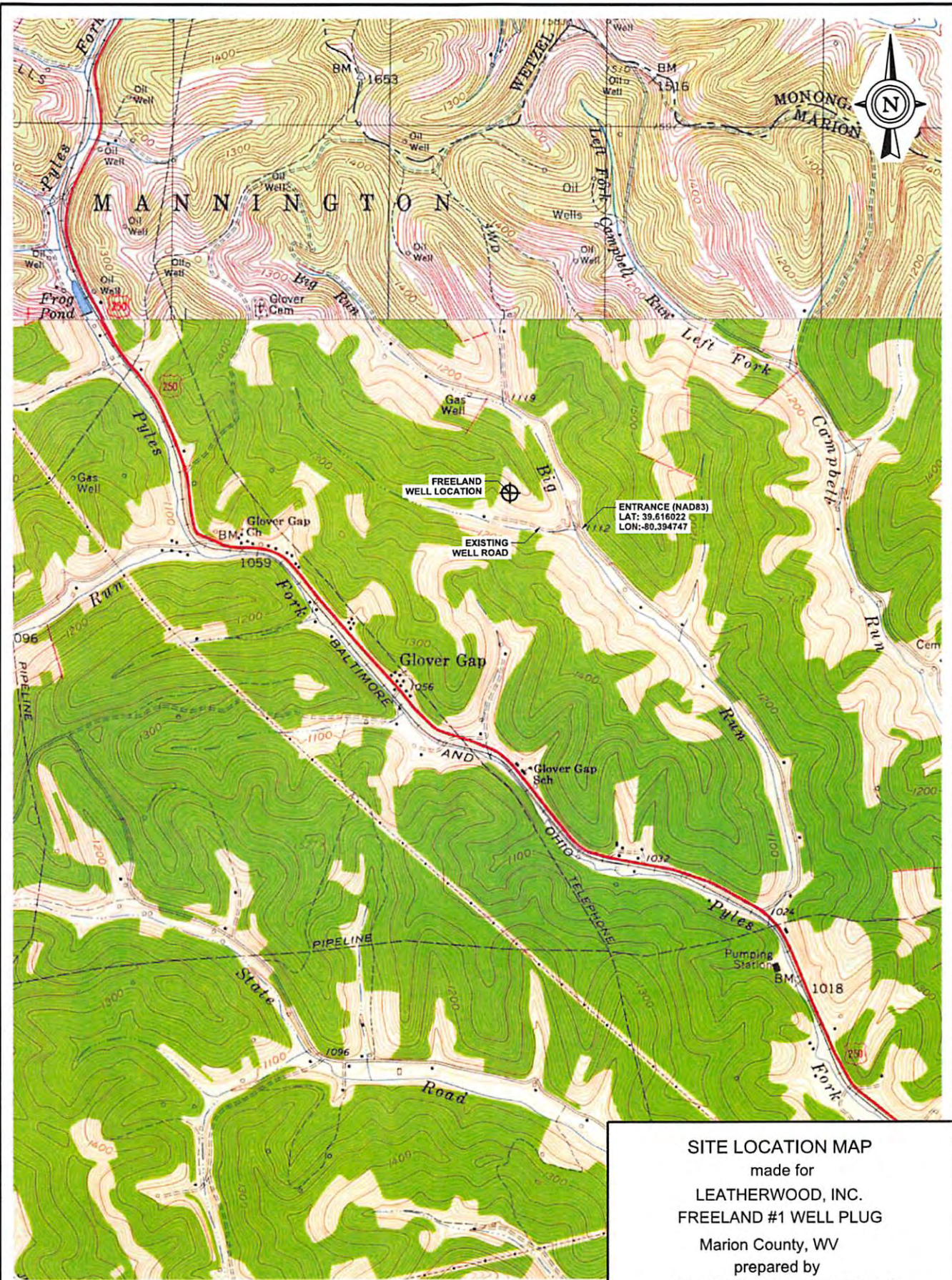
AUG 29 2017

WV Department of
Environmental Protection

SCALE: 0 250 ft.

| | |
|---------------------------------|-----------------------|
| DRAWINGS TO ACCOMPANY FORM WW-9 | |
| LEATHERWOOD INC. | |
| 1000 CONSOL ENERGY DRIVE | |
| CANONSBURG, PA 15317 | |
| WATERSHED: BUFFALO CREEK | |
| DISTRICT: MANNINGTON | COUNTY: MARION |
| QUADRANGLE: GLOVER GAP | WELL NO.: FREELAND #1 |
| DATE: 5/30/2017 | |

11/10/2017



FREELAND WELL LOCATION

ENTRANCE (NAD83)
 LAT: 39.616022
 LON: -80.394747

1:2000 5/16/2017 2:53:18 PM K:\CNX Waynesburg\1716014 - Freeland Well Plug\Common\SITE LOCATION MAP.dgn

REFERENCES: IMAGERY PROVIDED BY USGS:
 GLOVER GAP, WV QUADRANGLE;
 STATE 7.5 MINUTE SERIES

SCALE: 0 2000 ft.

SITE LOCATION MAP
 made for
LEATHERWOOD, INC.
FREELAND #1 WELL PLUG
 Marion County, WV
 prepared by
DIEFFENBAUCH & HRTZ, LLC
 1095 Chaplin Rd Suite 200, Morgantown, WV 26501
 Phone: 304-985-5555 Fax: 304-985-5557

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-049-01015 WELL NO.: 1

FARM NAME: Freeland

RESPONSIBLE PARTY NAME: William D. Gillenwater

COUNTY: Marion DISTRICT: Mannington

QUADRANGLE: Glover Gap

SURFACE OWNER: KATHERINE GLOVER ETAL & GEORGE R FREELAND

ROYALTY OWNER: _____

UTM GPS NORTHING: 4385507.630 m

UTM GPS EASTING: 551560.841 m GPS ELEVATION: 1211.0 ft

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS _____: Post Processed Differential _____

Real-Time Differential _____

Mapping Grade GPS : Post Processed Differential

Real-Time Differential _____

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4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Signature

Vice President
Title

9/27/17
Date