



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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Tuesday, March 10, 2020

WELL WORK PLUGGING PERMIT
Vertical Plugging

LEATHERWOOD, LLC
1000 CONSOL ENERGY DRIVE

CANONSBURG, PA 15317

Re: Permit approval for 1
47-049-00239-00-00

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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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: 1
Farm Name: CAMPBELL, ROBERT
U.S. WELL NUMBER: 47-049-00239-00-00
Vertical Plugging
Date Issued: 3/10/2020

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.

WW-4B
Rev. 2/01

1) Date Jan 24, 2020
2) Operator's
Well No. #1 _____
3) API Well No. 47-049 - 00239

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 1463' Watershed Buffalo Creek
District Mannington County Marion Quadrangle Glover Gap
- 6) Well Operator Leatherwood, LLC 7) Designated Agent Sandra Halstead
Address 1000 Consol Energy Drive Address 1627 Quarrier Street
Canonsburg, PA 15317 Charleston WV, 25311-2124
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Sam Ward Name Coastal Drilling East Road
Address PO 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 plugging and abandonment procedure

RECEIVED
Office of Oil and Gas
FEB 28 2020
WV Department of
Environmental Protection

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 2/7/2020

R Keenan #1

API 47-049-00239

Mannington District

Marion County

Location: Glover Gap

Proposed Plug & Abandonment Procedure:

The work order for the manner of plugging this well is as follows:

We will rig up on site and any tubing, cable or rods present will be removed from the well. We will run in the hole to determine the total depth of the well. Next, we will run wire line in hole and run a caliper/bond log. After the log, we will run work string to the attainable bottom. A bottom cement plug will be set from the attainable to a minimum of 100'. After 8 hours WOC, we will run in hole and tag to confirm plug is set and top if necessary. We will attempt to pull any remaining pipe. If unable to pull, the pipe will be perforated and cemented to surface. No gel spacers will be used. Once complete, a monument with API number will be set on the well bore at the surface. All plugging shall comply with WV code Chapter 22 article 6.

The disturbed area shall be graded, seeded and mulched as required. The site will then be reclaimed as soon as possible.

Notify the inspector if unable to remove pipe prior to perforating and cementing.

- THERE DOES NOT APPEAR TO BE ANY CEMENT CASING IN THIS WELL.
- IF 2" TUBING CANNOT BE RELEASED AND PULLED, THEN CUT 2" TUBING ABOVE PERFORATIONS (~ 3500')
- SET BOTTOM HOLE CLASS A CEMENT PLUG FROM BOTTOM HOLE TO A POINT 100' ABOVE THE TOP OF THE SHOT HOLE. PLUG MUST BE A MINIMUM OF 100' IN HEIGHT. WOC & TAG PLUG.

RECEIVED
Office of Oil and Gas

FEB 28 2020

WV Department of
Environmental Protection

- AFTER TUBING IS REMOVED, FILL WELL BORE W/ CLASS A CEMENT TO 2400', ~100' INSIDE 6 5/8" CASING.
- IF UNABLE TO REMOVE REMAINING 6 5/8" & 8 3/4" CASING, THEN PERFORATE AND CEMENT TO SURFACE. *SDEW* 2/7/2020
- MAKE SURE CASING IS PERFORATED TO COVER ELEVATION (1465'), COAL (1307') AND ALL FRESH WATER & OIL & GAS FORMATIONS.

cc: PA-DEP - Oil and Gas Division

JWM 3/9/2020



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Mannington
Permit No. MAR-239-D

WELL RECORD

Oil or Gas Well Gas
(HINT)

Company Funk and Glover Lease
Address Hundred, West Virginia
Farm Robert N. and Lucille Gambell Area 132
Location (waters) Buffalo Creek
Well No. One (1) Elev. 1465.57 Ft.
District Mannington County Marion
The surface of tract is owned in fee by Robert N. Gambell
Glover Gap Address West Virginia
Mineral rights are owned by Rebecca Keenan heirs
Burton Address West Virginia
Drilling commenced August 16, 1959
Drilling completed October 30, 1959
Date Shot Oct. 5 From 3532 to 3537
With 10 quarts solidified glycerine
Open Flow 2 1/10ths Water in One Inch
1/10ths Merc. in Inch
Volume 53,000 Cu. Ft.
Rock Pressure 257 lbs. 18 hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED
WELL FRACTURED

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packerc <u>Disc</u>
1 1/2			<u>Well anchor</u>
10			Size of <u>5 3/16 x</u>
8 1/4	1742	1742	?
6 1/4	2509	2509	Depth set <u>3432</u>
5 8/16			
3			Perf. top <u>3532</u>
2	3575	3575	Perf. bottom <u>3537</u>
Liners Used			Perf. top <u>3570</u>
5 3/16	600	600	Perf. bottom <u>3574</u>

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water None Feet _____ Salt Water None Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
30 ft	White	Hard	3313				
Commenced	"	"	3333	3342			
Lime	Dark	"	3342	3362			
Stray Sand	Gray	"	3362	3372			
Lime	Gray	"	3372	3406			
Pink Rock	Pink	Soft	3406	3412			
Gordon S.	Gray	Hard	3412	3456			
Groken L.	Dark	"	3456	3482			
4th Sand	"	"	3482	3502			
Lime	"	"	3502	3523			
5th Sand	Gray	"	3523	3544	Gas	3533 - 3535	Test 30/10 W. in one inch Dropped down to 20/10 in one inch
Lime	Dark	Hard	3544	3554			
Lime	White	"	3554	3670			
Slate	Black	Soft	3670	3675			
Bayard S.	White	Hard	3675	3680			
Slate	Dark	Soft	3680	3685			
		Total	Depth	3685			
Filled with Rock and Red Clay to			3575 before	tubing			



SOW
2/7/2020

RECEIVED
Office of Oil and Gas
FEB 28 2020
WV Department of Environmental Protection

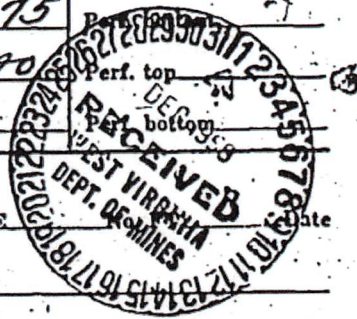
SOW

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

INSPECTOR'S WELL REPORT

Permit No. 47-239-D Oil or Gas Well Gas
(KIND)

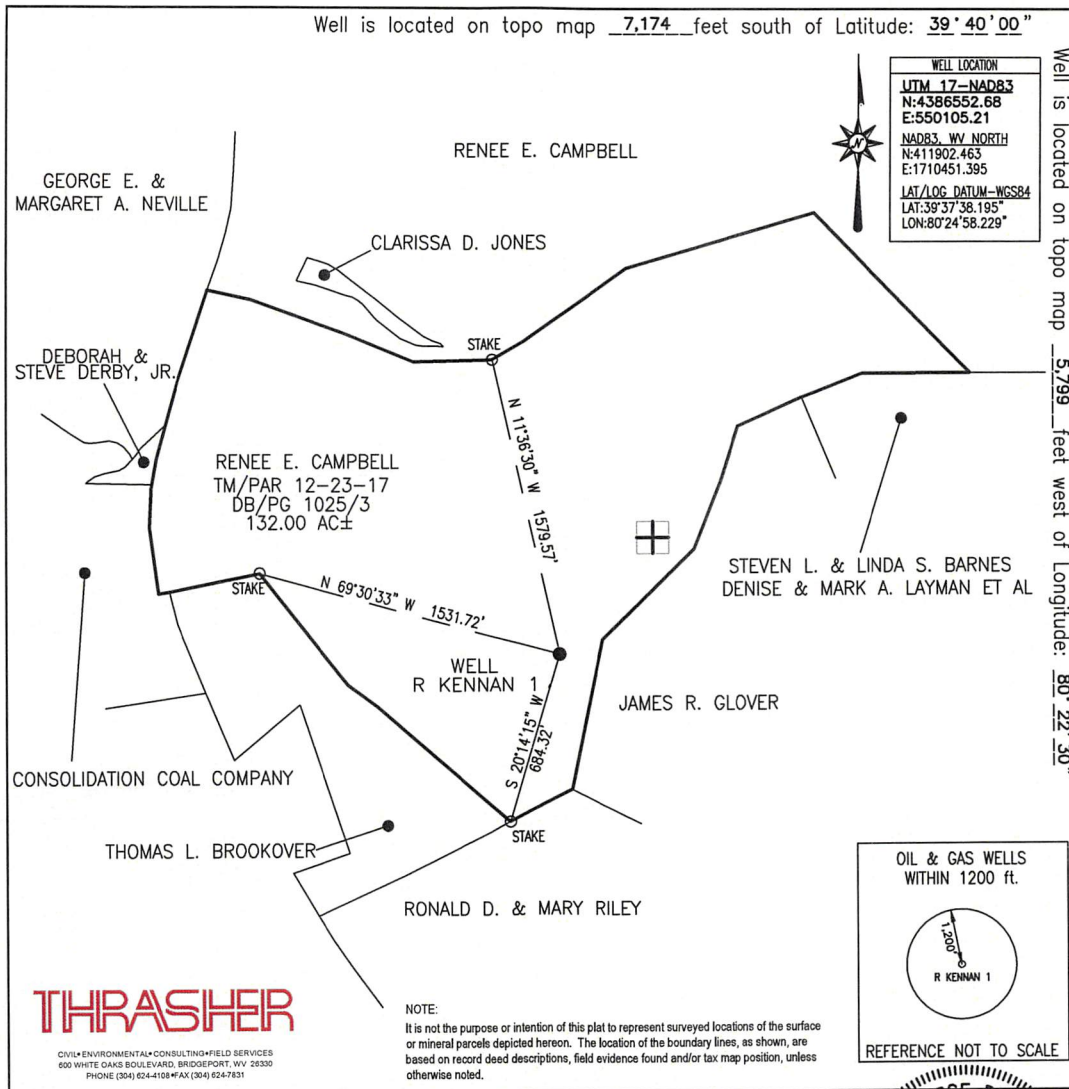
Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Frank & Alvin Lewis</u>	Size			
Address <u>Hammond, W. Va.</u>				
Party <u>Robert N. & Lucille Campbell</u>				Kind of Packers <u>Risk</u>
Well No. <u>1</u>				<u>Wall, with</u>
District <u>Mannington</u> County <u>Marietta</u>				<u>arch.</u>
Drilling commenced <u>Aug. 3, 1959</u>				Size of <u>5 1/2" X 2"</u>
Drilling completed <u>Oct. 17, 1959</u> Total depth <u>3685</u>				Depth set <u>3432</u>
Date shot _____ Depth of shot _____				<u>Nat. down sand</u>
Initial open flow <u>20/10ths</u> Water in <u>1</u> Inch				Perf. top _____
Open flow after tubing <u>20/10ths</u> Merc. in <u>1</u> Inch				Perf. bottom _____
Volume <u>53,000</u> _____ Cu. Ft.				
Rock pressure <u>257</u> lbs. <u>24</u> hrs.				
Oil _____ bbls., -1st 24-hrs.				
Fresh water _____ feet _____ feet				
Salt water _____ feet _____ feet				



CASING CEMENTED _____ SIZE _____
COAL WAS ENCOUNTERED AT 1307 FEET 60 INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Drillers' Names John Miles, don Light work only
Contractor P. C. Full
Remarks: This well originally drilled, year 1916, total depth - 3330'
Deepened _____ 355' to 3685'
fill back with stone and clay - 110' to 3575'
Gas, 5 1/2 sand.

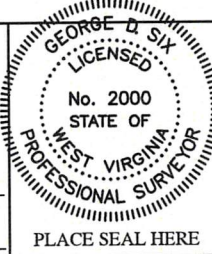
Nov-27-59 Completed
DATE _____
District Well Inspector C. E. Rutledge



FILE #: R KENNAN 1
 DRAWING #: R KENNAN 1
 SCALE: 1" = 700'
 MINIMUM DEGREE OF ACCURACY: 1/2500
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: **PRELIMINARY**
 R.P.E.: _____ L.L.S.: P.S. No. 2000



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



DATE: AUGUST 22, 2019
 OPERATOR'S WELL #: R KENNAN 1
 API WELL #: 47 49 00239
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: BUFFALO CREEK ELEVATION: 1463'
 COUNTY/DISTRICT: MARION/MANNINGTON QUADRANGLE: HUNDRED, WV 7.5'
 SURFACE OWNER: RENÉE E. CAMPBELL ACREAGE: 132±
 OIL & GAS ROYALTY OWNER: UNKNOWN ACREAGE: _____
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____
 TARGET FORMATION: UNKNOWN ESTIMATED DEPTH: UNKNOWN
 WELL OPERATOR LEATHERWOOD DESIGNATED AGENT JOHN C. BAKER JR.
 Address 1000 CONSOL ENERGY DRIVE Address 74 CLEARVIEW AVE
 City CANONSBURG State PA Zip Code 15317 City WHEELING State WV Zip Code 26003

RECEIVED
 Office of Oil and Gas
 FEB 28 2020
 WV Department of Environmental Protection

WW-4A
Revised 6-07

1) Date: 1/24/2020
2) Operator's Well Number
#1 _____
3) API Well No.: 47 - 049 - 00239

**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>Renee E. Vanfosson</u>	Name <u>N/A</u>
Address <u>9 Bailey Drive</u>	Address _____
<u>Fairmont, WV</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Consol Mining Company LLC/ Reserve Coal Properties Company</u>
_____	Address <u>1000 Consol Energy Drive</u>
_____	<u>Canonsburg, PA 15317</u>
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>PO 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.

Commonwealth of Pennsylvania - Notary Seal
Christopher A. Rabbitt, Notary Public
Washington County
My commission expires January 18, 2024
Commission number 1266666
 Member, Pennsylvania Association of Notaries

Well Operator Leatherwood, LLC
 By: Danny Caldwell
 Its: Maintenance Coordinator
 Address 1000 Consol Energy Drive
Canonsburg, PA 15317
 Telephone (724) 416-8283

RECEIVED
 Office of Oil and Gas
 FEB 28 2020

Subscribed and sworn before me this 24 day of January 2020
Christopher A. Rabbitt Notary Public
 My Commission Expires 1/18/2024

WV Department of Environmental Protection

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.

WW-4B

API No. 47-049-00239

Farm Name _____

Well No. R Kennan #1

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator X / owner X / lessee _____ / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: 01/23/2020

Casey V. Saunders
By: Casey V. Saunders
Its Manages Coal/Gas Coordination



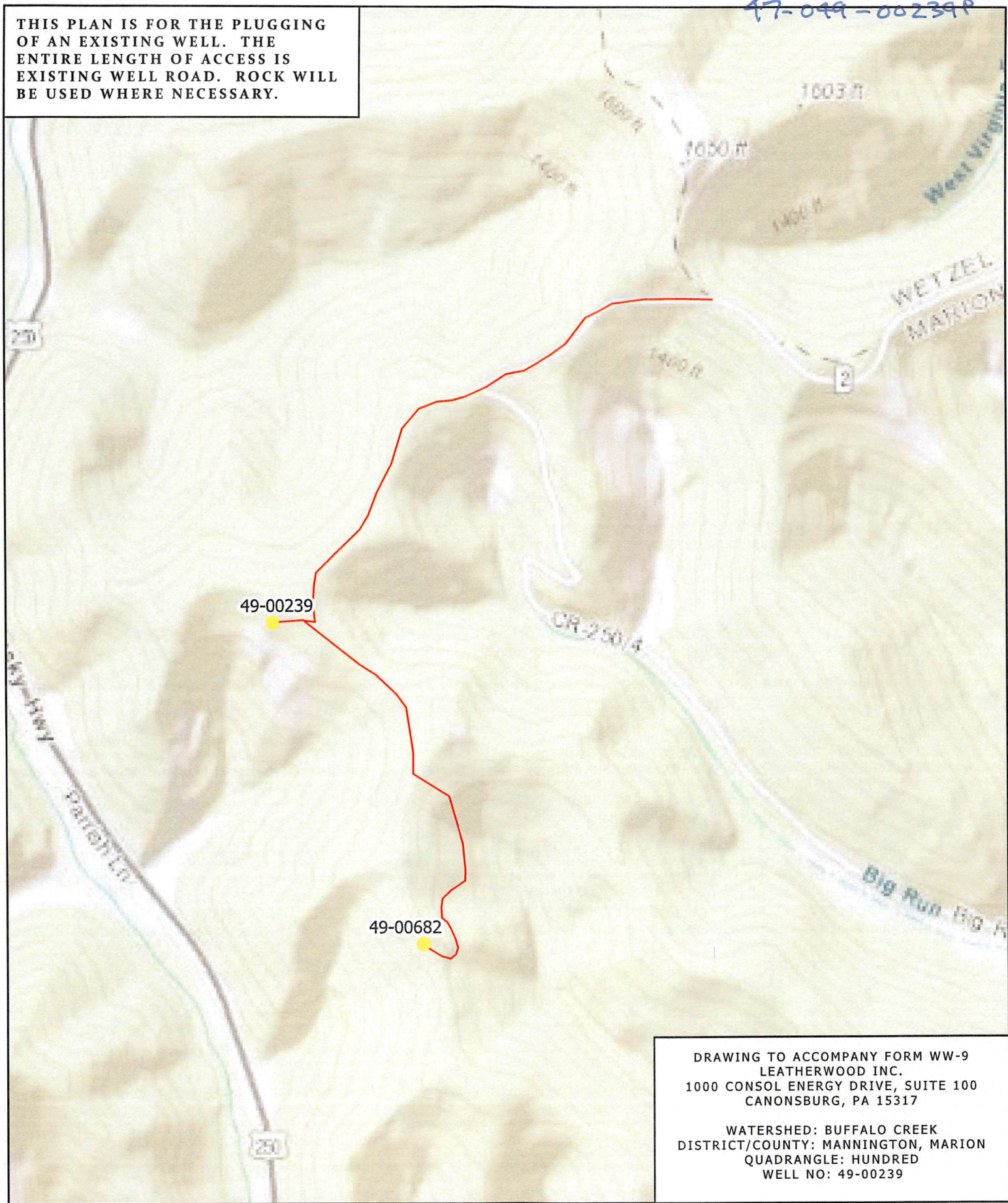
RECEIVED
Office of Oil and Gas

FEB 28 2020

WV Department of
Environmental Protection

47-049-00239P

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.



49-00239

49-00682

CR-250/4

WETZEL
MARION

Big Run - Big R

DRAWING TO ACCOMPANY FORM WW-9
LEATHERWOOD INC.
1000 CONSOL ENERGY DRIVE, SUITE 100
CANONSBURG, PA 15317

WATERSHED: BUFFALO CREEK
DISTRICT/COUNTY: MANNINGTON, MARION
QUADRANGLE: HUNDRED
WELL NO: 49-00239

- Wells To Plug
- Proposed Access Road



Disclaimer: This information is being provided as a business or professional courtesy. CONSOL Energy, Inc., its parent, subsidiaries and affiliates, and CONSOL Coal Resources LP, its parent, subsidiaries and affiliates, collectively "CEIX/CCR", make no representations or warranties of any kind or character concerning the completeness or accuracy of this information and assume no responsibility or liability of any kind for such information. The Recipient of this information acknowledges and assumes all risk of the use of such information. In consideration of CEIX/CCR providing this information, the recipient forever waives and releases any and all claims or causes of action the Recipient may ever have against CEIX/CCR, its officers, directors, employees or agents relating to or resulting or arising from its use of the information. Acceptance of this information by the recipient constitutes agreement with all the terms and conditions in the notice.

This map is property of CONSOL Energy, Inc. and CONSOL Coal Resources LP and contains information that is proprietary and confidential in nature and may not be copied or reproduced without prior written consent.

Date: 2/25/2020	Prepared By: GIS
Revisions: 0	Approved By:

WW-9
(5/16)

API Number 47 - 049 - 00239
Operator's Well No. # 1

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

Operator Name Leatherwood LLC OP Code 494476721

Watershed (HUC 10) Buffalo Creek Quadrangle Glover Gap, WV 7.5'

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)

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

SDW
2/7/2020

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

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

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

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

-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 *Danny Caldwell*

Company Official (Typed Name) Danny Caldwell

Company Official Title Maintenance Coordinator

RECEIVED
Office of Oil and Gas
FEB 28 2020

Subscribed and sworn before me this 24 day of January, 2020

WV Department of Environmental Protection

Christopher A. Rabbitt Notary Public

My commission expires 1/18/2024

Commonwealth of Pennsylvania - Notary Seal
Christopher A. Rabbitt, Notary Public
Washington County
My commission expires January 18, 2024
Commission number 1266666
Member, Pennsylvania Association of Notaries

Form WW-9

Operator's Well No. #1

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	Seed Type	lbs/acre
Tall Fescue	40	Tall Fescue	40
Landino Clover	5	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. D. Wanda

Comments: _____

Title: OOG Inspector

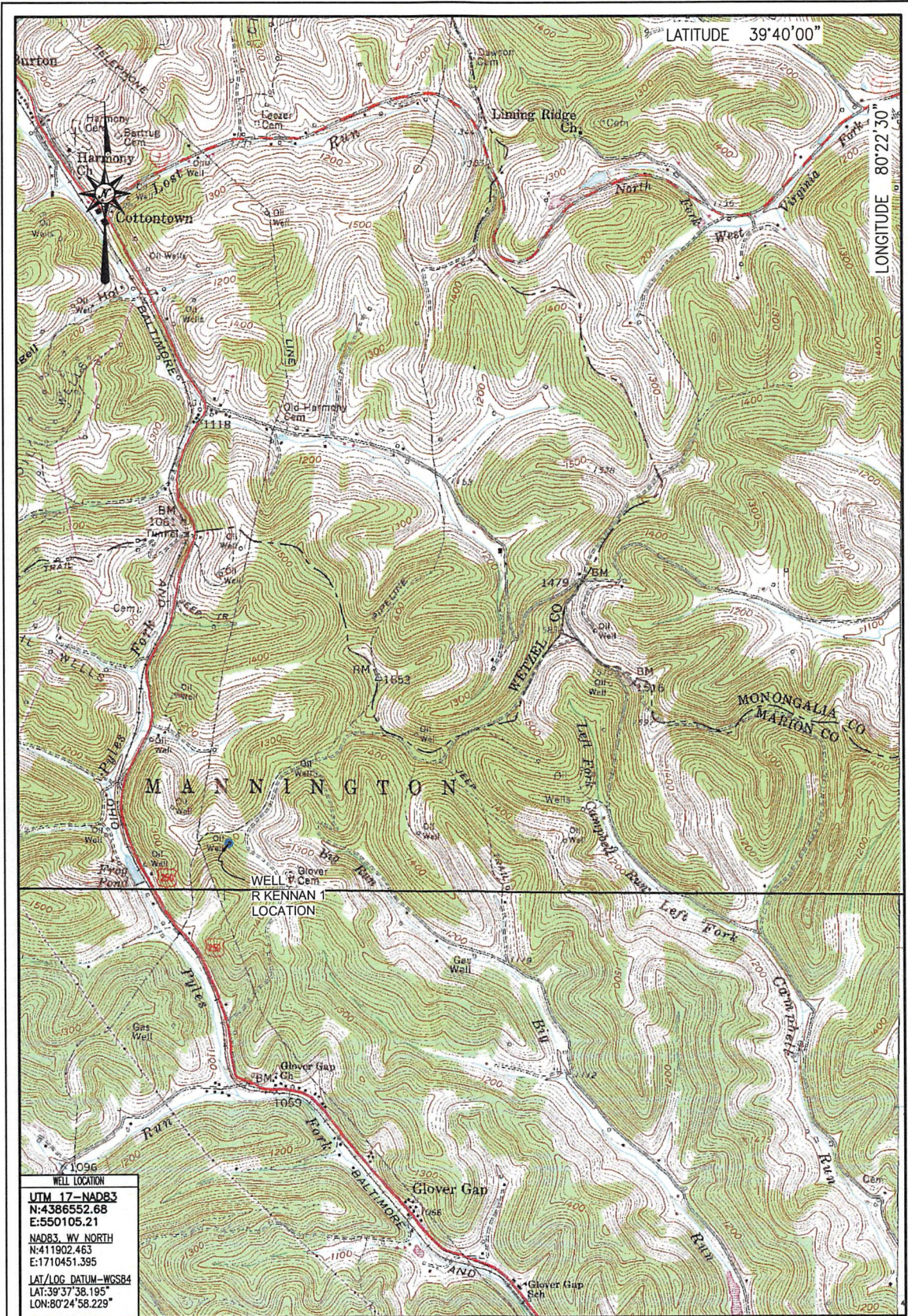
Date: 2/7/2020

Field Reviewed? () Yes (X) No

RECEIVED
Office of Oil and Gas

FEB 28 2020

WV Department of
Environmental Protection



WELL LOCATION
 UTM 17-NAD83
 N:4386552.68
 E:550105.21
 NAD83, WV NORTH
 N:411902.463
 E:1710451.395
 LAT/LOC DATUM-WCSB4
 LAT:39°37'38.195"
 LON:80°24'58.229"

PRELIMINARY LOCATION MAP
 AUGUST 22, 2019

THRASHER

R KENNAN 1
 MANNINGTON QUADRANGLE
 WEST VIRGINIA

SCALE 1" = 2000'
 2000' 4000' 6000'



BLUE MOUNTAIN ENGINEERING

CIVIL/ENVIRONMENTAL CONSULTING/FIELD SERVICES
 600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26309
 PHONE (304) 624-4108*FAX (304) 624-7831

RECEIVED
 Office of Oil and Gas
 FEB 28 2020
 WV Department of
 Environmental Protection

WW-7
8-30-06



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

API: 47-049-00239 WELL NO.: 1

FARM NAME: R. Kennan

RESPONSIBLE PARTY NAME: Danny Caldwell

COUNTY: Marion DISTRICT: Mannington

QUADRANGLE: Glover Gap

SURFACE OWNER: Renee E. Vanfosson

ROYALTY OWNER: _____

UTM GPS NORTHING: 4386552.68

UTM GPS EASTING: 550105.21 GPS ELEVATION: 1463'

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 X : Post Processed Differential X

Real-Time Differential _____

Mapping Grade GPS _____ : Post Processed Differential _____

Real-Time Differential _____

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.

Danny R Caldwell
Signature

Maintenance Coordinator
Title

1/29/2020
Date

RECEIVED
Office of Oil and Gas

FEB 28 2020

WV Department of
Environmental Protection