



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

Wednesday, May 30, 2018
WELL WORK PLUGGING PERMIT
Vertical Plugging

BUCKEYE OIL PRODUCING CO.
POST OFFICE BOX 129


WOOSTER, OH 446910129

Re: Permit approval for MTN RACETRACK 1
47-029-00137-00-00

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:
Farm Name: MOUNTAINEER RACETRACK
U.S. WELL NUMBER: 47-029-00137-00-00
Vertical Plugging
Date Issued: 5/30/2018

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.

WV-4B
Rev. 2/01

1) Date April 13, 2018
2) Operator's Well No. Mountaineer Race Track #1
3) API Well No. 47-02

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 687' Watershed Ohio River
District Grant County Hancock Quadrangle Wellsville
- 6) Well Operator Buckeye Oil Producing Co. 7) Designated Agent _____
Address PO Box 129 Address _____
Wooster, OH 44691
- 8) Oil and Gas Inspector to be notified Name Eric Blend 9) Plugging Contractor Name Berry Well Service
Address PO Box 2115 Address PO Box 705
Wheeling, WV 26003 New Albany, OH 43054

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

run cement bond log *send to inspector CB*
spot bottom plug through tubing
dependant upon cement bond on casing to surface (if there is a void we will
perforate and squeeze and additional plug)
cement to surface as required by DEP

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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

Date

5/30/18

WR-35

DATE: 7-31-2009
API #: 47-029-00137

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

Well Operator's Report of Well Work

Farm name: Mountaineer Racetrack Operator Well No.: #1

LOCATION: Elevation: 687 Quadrangle: Wellsville

District: Grant County: Hancock
Latitude: _____ Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude _____ Feet West of _____ Deg. _____ Min. _____ Sec.

Company: Buckeye Oil Producing Co.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 129	11-3/4	260		Cmt to surface
Wooster, OH 44691	8-5/8	727		275 sks
Agent: Henry W. Sinnett	4-1/2	4215		150 sks
Inspector: Tristan Jenkins				
Date Permit Issued: 8-6-2008				
Date Well Work Commenced: 9-1-2008				
Date Well Work Completed: 5-9-2009				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet): 4274				
Fresh Water Depth (ft.): 20'				
Salt Water Depth (ft.): 650'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): _____				

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JUL 1 2 2010
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OPEN FLOW DATA

Producing formation Marcellus Pay zone depth (ft) 4126 - 4160
Gas: Initial open flow 200 MCF/d Oil: Initial open flow -0- Bbl/d
Final open flow 200 MCF/d Final open flow -0- Bbl/d
Time of open flow between initial and final tests 30 Hours
Static rock Pressure 1850 psig (surface pressure) after 72 Hours

Second producing formation Marcelles Pay zone depth (ft) 4010 - 4020
Gas: Initial open flow 200 MCF/d Oil: Initial open flow -0- Bbl/d
Final open flow 200 MCF/d Final open flow -0- Bbl/d
Time of open flow between initial and final tests 30 Hours
Static rock Pressure 1850 psig (surface pressure) after 72 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.

Signed: Steven W. Sigler
By: Steven W. Sigler
Date: 7-31-2009

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06/01/2018

	1st stage	2nd stage
Perforation Interval	4139 - 4151	4010 - 4020
# of Perforations	48	40
Type of Frac	water	
Sks. Of Sand	1000 sks 80/100 2300 sks 20/40	125 sks 80/100

Set BMFV @ 4043

Slick water frac 2 stages

Stage 1 - 720,000 gal. water @ 68.5 Bbls. per min. @ 3945 psi
 Stage 2 - 160,000 gal. water @ 65.5 Bbls. per min. @ 3670 psi

FORMATION	TOP FEET	BOTTOM	REMARKS
Berea	620	664	
Marcellus	4139	4151	
Lime	4162		

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 Environmental Protection

WW-4A
Revised 6-07

CK#
117755
\$100.00

1) Date: April 13, 2018
2) Operator's Well Number
Mountaineer Race Track #1
3) API Well No.: 47 - 029 - 00137

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>Mountaineer Race Track</u>	Name <u>N/A</u>
Address <u>SR S PO Box 358</u>	Address _____
<u>Chester, WV 26034</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>N/A</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Eric Blend</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 2115</u>	Name <u>N/A</u>
<u>Wheeling, WV 26003</u>	Address _____
Telephone _____	_____

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	<u>Buckeye Oil Producing Co.</u>	
By:	<u>Steven W. Sigler</u>	<u>RECEIVED</u>
Its:	<u>President</u>	<u>Office of Oil and Gas</u>
Address	<u>PO Box 129</u>	<u>APR 23 2018</u>
	<u>Wooster, OH 44691</u>	
Telephone	<u>330-264-8847</u>	<u>WV Department of Environmental Protection</u>

Subscribed and sworn before me this 13th day of April, 2018
Cheryl A. Becken Notary Public
My Commission Expires Nov. 4, 2022

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-9
(5/16)

API Number 47 - 029 - 00137
Operator's Well No. Mountaineer Race Track #1

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

Operator Name Buckeye Oil Producing Co. OP Code 306103

Watershed (HUC 10) Ohio River Quadrangle Wellsville

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: circulation water-cement

Will a synthetic liner be used in the pit? Yes No If so, what ml.? ~~3-5 ml~~ 20 ml 9 ml

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number OH UIC-7)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Will closed loop system be used? If so, describe: initial plug and so long thereafter as applicable

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? _____

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? N/A

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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 *Steven W. Sigler*

Company Official (Typed Name) Steven W. Sigler

Company Official Title President

Subscribed and sworn before me this 13th day of April, 2018

Cheryl K. Becken Notary Public

My commission expires Nov. 4, 2022

29-00137P

Form WW-9

Operator's Well No. Mountaineer Race Track #1

Proposed Revegetation Treatment: Acres Disturbed +/- 2 acres Prevegetation pH 5.5

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 600 lbs/acre

Mulch 90 bales acre Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
<u>KY 31 Fescue</u>	<u>40</u>	<u>KY 31 Fescue</u>	<u>40</u>

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: [Signature] 5-30-18

Comments:

Send CBL to inspector for approval

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Title: O.I + G, Inspector

Date: 5-30-18

Field Reviewed? Yes No

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

Operator Name: Buckeye Oil Producing Co.

Watershed (HUC 10): Ohio River Quad: Wellsville

Farm Name: Mountaineer Race Track

1. List the procedures used for the treatment and discharge of fluids. Include a list of all operations that could contaminate the groundwater.

Haul fluids to approved disposal site
If a pit is used we will empty then reclaim site

2. Describe procedures and equipment used to protect groundwater quality from the list of potential contaminant sources above.

flow tank and pit liner

3. List the closest water body, distance to closest water body, and distance from closest Well Head Protection Area to the discharge area.

Ohio River - 1900' 25' to pit and work tank

4. Summarize all activities at your facility that are already regulated for groundwater protection.

AST removal of tank battery

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5. Discuss any existing groundwater quality data for your facility or an adjacent property.

None available

6. Provide a statement that no waste material will be used for deicing or fill material on the property.

Property and wellsite will be reclaimed with no residual wastes remaining.

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

8. Provide provisions and frequency for inspections of all GPP elements and equipment.

Signature: Stacy S

Date: 4-13-18

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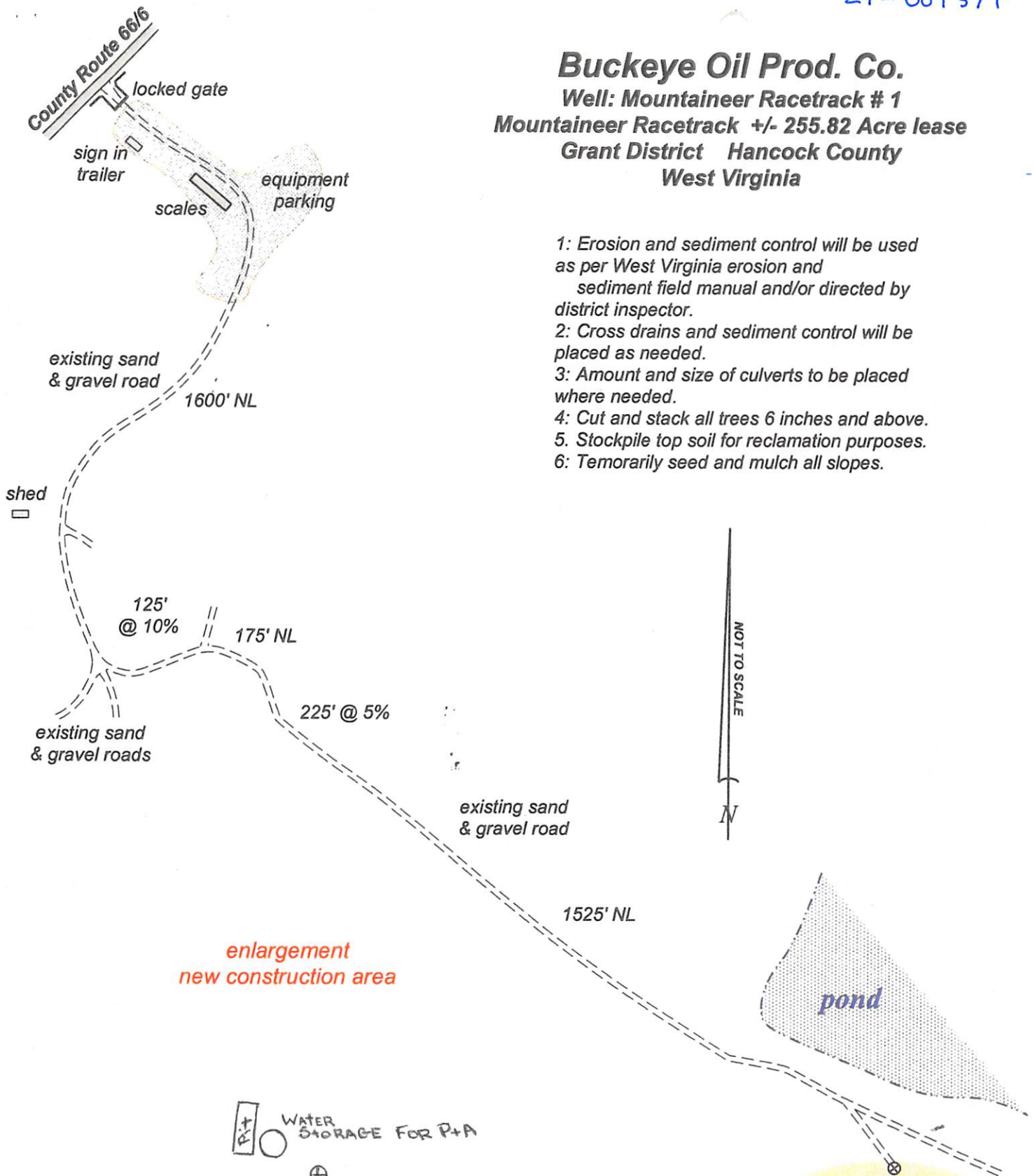
WV Department of
Environmental Protection

06/01/2018

Buckeye Oil Prod. Co.

Well: Mountaineer Racetrack # 1
Mountaineer Racetrack +/- 255.82 Acre lease
Grant District Hancock County
West Virginia

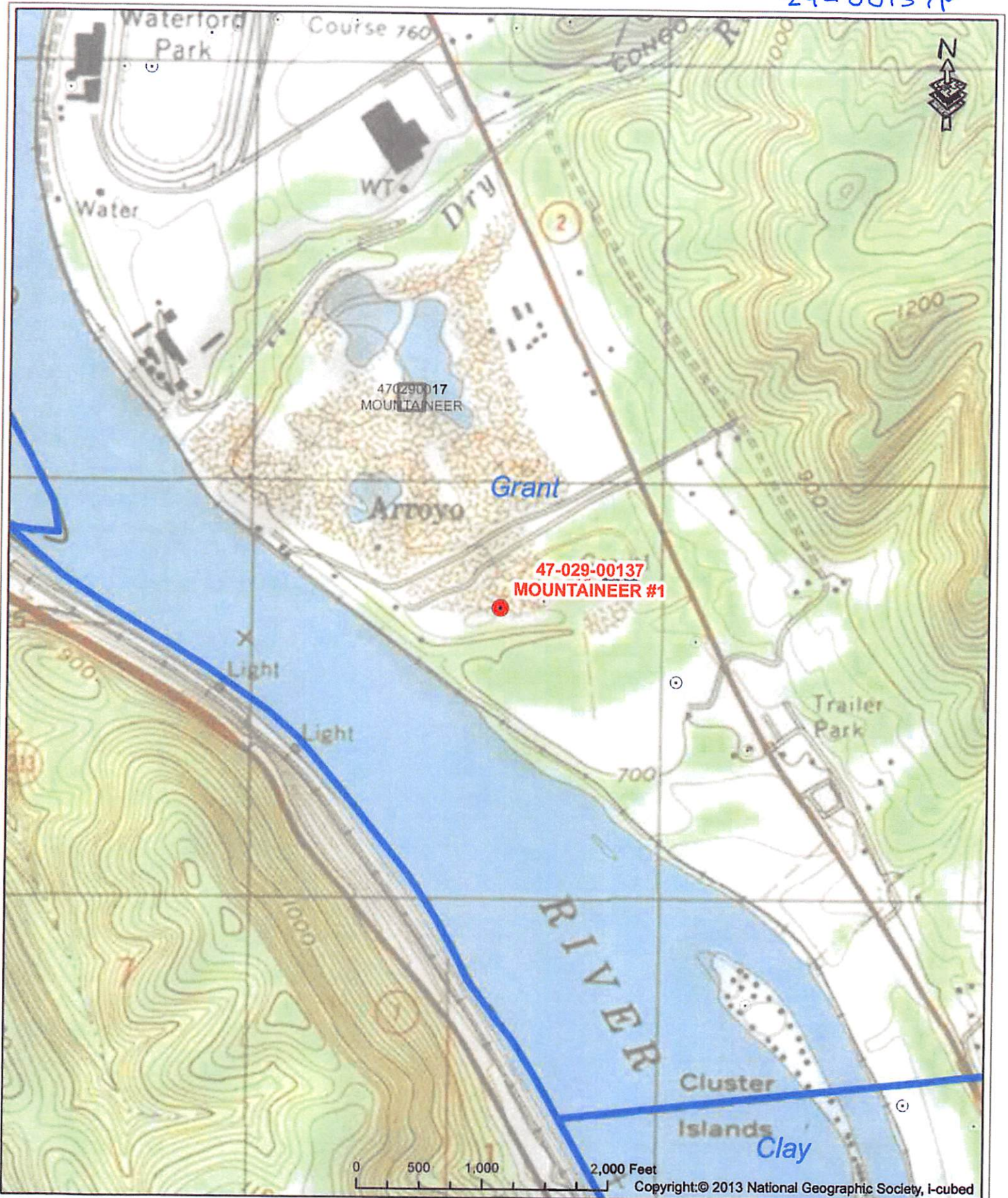
- 1: Erosion and sediment control will be used as per West Virginia erosion and sediment field manual and/or directed by district inspector.
- 2: Cross drains and sediment control will be placed as needed.
- 3: Amount and size of culverts to be placed where needed.
- 4: Cut and stack all trees 6 inches and above.
- 5: Stockpile top soil for reclamation purposes.
- 6: Temporarily seed and mulch all slopes.



Mountaineer Racetrack # 1
see lower left
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APR 23 2018



SCALE 1" = 1,000'
BUCKEYE OIL PRODUCING CO.
 WELL: MOUNTAINEER #1 API#47-029-0137

BUCKEYE OIL PRODUCING CO.
 GRANT DISTRICT HANCOCK COUNTY WEST VIRGINIA

06/01/2018

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-029-00137 WELL NO.: #1

FARM NAME: Mountaineer Race Track

RESPONSIBLE PARTY NAME: _____

COUNTY: Hancock DISTRICT: Grant

QUADRANGLE: Wellsville

SURFACE OWNER: Mountaineer Park Inc.

ROYALTY OWNER: Mountaineer Park Inc.

UTM GPS NORTHING: ~~40.56841~~ 4490927.6N

UTM GPS EASTING: ~~80.65018~~ 529616.54 E GPS ELEVATION: 687' or 209.398 M

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:

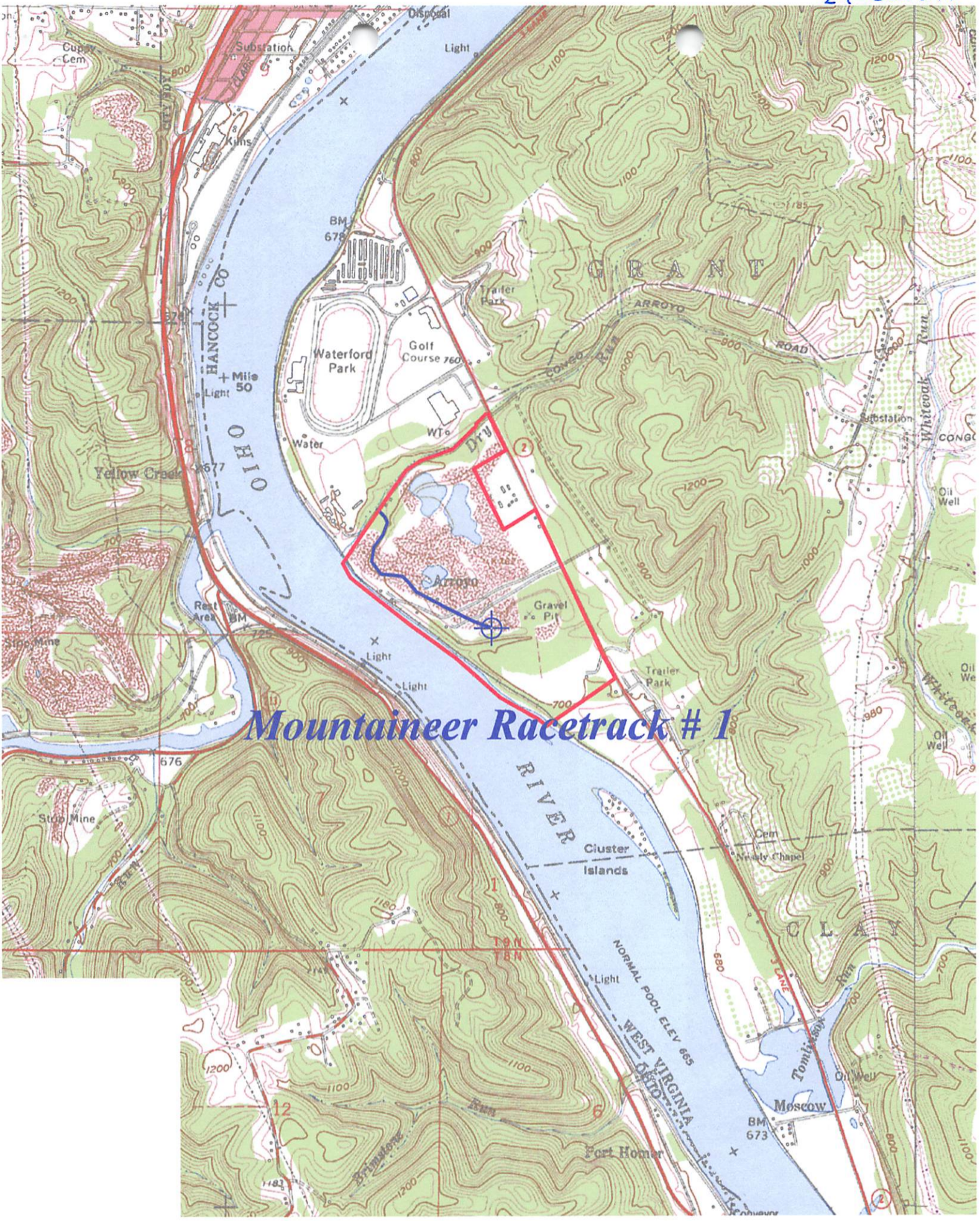
Survey grade GPS _____: Post Processed Differential _____
Real-Time Differential _____

Mapping Grade GPS : Post Processed Differential _____
Real-Time Differential _____

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.

Sue W Barclay GIS Professional 5-1-18
Signature Title Date



Mountaineer Racetrack # 1

WELLSVILLE QUADRANGLE

SCALE 1" = 2000'

BUCKEYE OIL PROD. CO.

**WELL: MOUNTAINEER RACETRACK # 1
MOUNTAINEER RACETRACK +/- 255.82 ACRE LEASE**

GRANT DISTRICT HANCOCK COUNTY WEST VIRGINIA

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06/01/2018

80° 39' 00.6
(80.65018)

7010'

LATITUDE 40° 35'

LONGITUDE 80° 37' 30"

5420'

40° 34' 06.3"
(40.56841)

MOUNTAINEER RACETRACK ± 255.82 ACRE LEASE

AIR REDUCTION DRY

MONITOR WELL MW-MPI

NEWCHEM INC.

STATE ROUTE 2

MONITOR WELL MW-MPT

MONITOR WELL MW-MP5

MOUNTAINEER RACETRACK #1

EL. 687'

± 255.82 ACRES

OHIO RIVER

OHIO RIVER

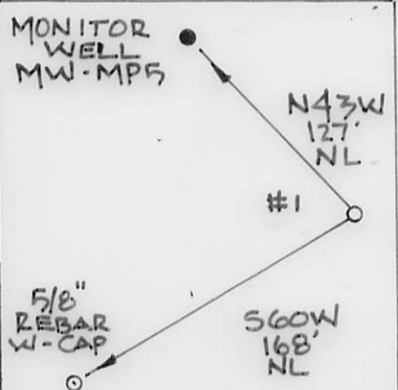
E. MORROW

NORTH

HANCOCK COUNTY

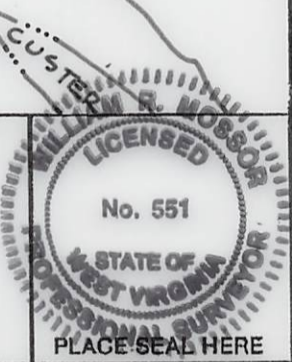
JEFFERSON COUNTY

WV



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION G.P.S.
 OBSERVATION

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 ENERGY.
 (SIGNED) _____
 R.P.E. _____ P.S. 55



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 DIVISION OF OIL AND GAS



DATE JUNE 20, 2008
 OPERATOR'S WELL NO. MOUNTAINEER RACETRACK-1
 API WELL NO. 47 029 00137 P
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW

LOCATION: ELEVATION 687' WATER SHED OHIO RIVER
 DISTRICT GRANT COUNTY HANCOCK
 QUADRANGLE WELLSVILLE

SURFACE OWNER MOUNTAINEER RACETRACK ACREAGE ± 255.82
 OIL & GAS ROYALT MOUNTAINEER RACETRACK LEASE AC. ± 255.82

PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION ONADOGA LIME ESTIMATED DEPTH 5500'
 WELL OPERATOR BUCKEYE OIL PROD. DESIGNATED AGENT HENRY W. SINNETT
 ADDRESS PO. BOX 129 ADDRESS RT 1, BOX 150A
WOOSTER, OHIO 44691 BIG BEND, WV 26136

06/01/2018

FORM WW-6

COUNTY NAME PERMIT

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®

CHESTER, WV 26034

Certified Mail Fee	\$3.45
Extra Services & Fees (check box, add fee as appropriate)	\$2.75
<input type="checkbox"/> Return Receipt (hardcopy)	\$1.70
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage	\$1.63
Total Postage and Fees	\$7.83



Sent To: Mountaineer Race Track
 Street and Apt. No., or PO Box No.: SR S PO Box 358
 City, State, ZIP+4®: Chester, WV 26034

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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7015 1520 0002 6090 9980