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west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Monday, March 8, 2021

WELL WORK PLUGGING PERMIT  
Coal Bed Methane Well Plugging

CNX GAS COMPANY LLC  
1000 CONSOL ENERGY DR

CANONSBURG, PA 15370

Re: Permit approval for WEWV-23553  
47-061-01269-00-00

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: WEWV-23553  
Farm Name: SHRIVER, HOWARD, ETAL  
U.S. WELL NUMBER: 47-061-01269-00-00  
Coal Bed Methane Well Plugging  
Date Issued: 3/8/2021

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4706101269P

## 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

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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.

03/12/2021

47-061-01269P

- 1) Date 12-1, 2020
- 2) Operator's  
Well No. 614
- 3) API Well No. 47-061 - 01269

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 x / Liquid injection \_\_\_ / Waste disposal \_\_\_ /  
(If "Gas, Production x or Underground storage \_\_\_) Deep \_\_\_ / Shallowx
- 5) Location: Elevation 1236 Watershed Dunkard Creek  
District Battelle County Monongalia Quadrangle Wadestown
- 6) Well Operator CNX Gas Company LLC 7) Designated Agent Anthony Kendziora  
Address 1000 Consol Energy Dr. Address 1000 Consol Energy Dr  
Canonsburg, PA 15317 Canonsburg PA 15317
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Bryan Harris Name Coastal Drilling East LLC  
Address P.O. Box 157 Address 70 Gums springs road  
Volga, WV 26238 Morgantown WV 26508

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

APPROVED  
2/4/2021

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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 Bryan Harris Date 12-2-20

03/12/2021

4706101269P

Well: 23553 (6L4) E.A.C.C

API#: 47-061-01269

District: Battelle

County: Monongalia

Elevation: 1236'

23553 E.A.C.C (6L4) Proposed Plugging and Abandonment Procedure

1. Run in and tag TD (978') with wireline or small sandline tools. Confirm TD is inside slotted casing. (Make call to CNX if tagging high to come up with game plan)
2. Once TD has been reached, proceed to fill slotted casing with pea gravel. (1 ton= ~20 Cu. Ft. fill)
3. Once pea gravel has been placed in casing verify top of gravel
4. Once top of pea gravel has been verified TIH with tubing and prepare to cement
5. Place 50' cement plug on top of pea gravel
6. TOOH with cement string
7. Rig up wireline and tag cement plug
8. TOOH and prepare to run Bond Log on 7" casing if Bond Log tool will go to bottom
9. Run Bond Log from top of cement to surface to verify casing is cemented to surface. If cement top is found to not be at surface notify CNX and prepare to pull uncemented casing
10. If cement on 7" is at surface or once uncemented has been pulled prepare to cement well to surface
11. TIH with work string to cement plug and cement well to surface
12. TOOH w/ work string and top off well with cement
13. Install 6"x14' monument (10' below grade, 4' above grade). Monument must contain API#, Well Name, Company Name and Date Plugged

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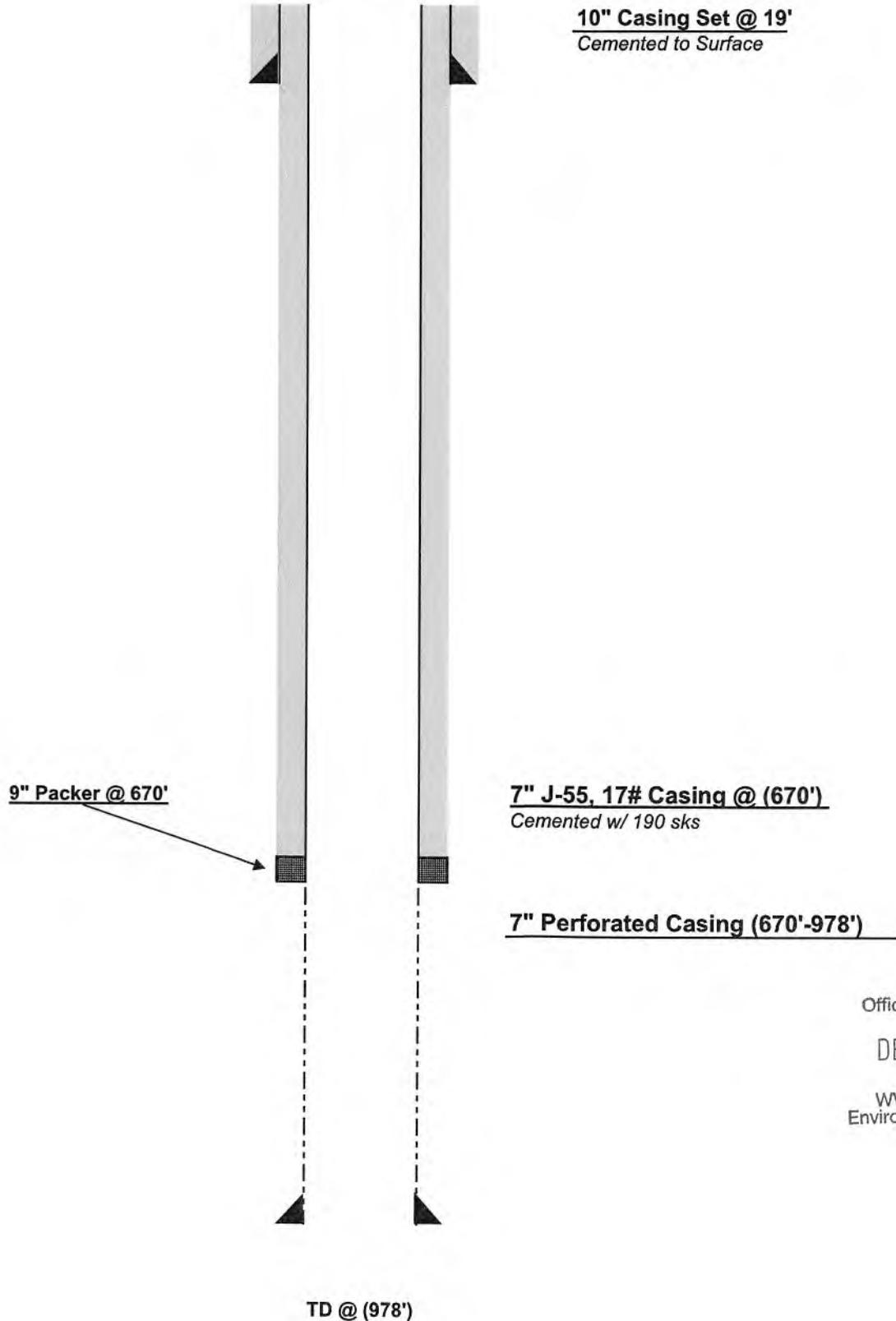
Note: All cement will be Class A. All spacers will be 5% gel

*Bryan Harris*  
12-2-20

03/12/2021

4706101269P

**E.A.C.C (23553) 6L4**  
Battelle District, Monongalia WV  
Original Completion : ?  
API #47-061-01269  
Elevation = 1236'



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03/12/2021

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS  
WELL WORK PERMIT APPLICATION**

23331

Well Operator: 146 CNG Producing Company 10110 (D) 682

Operator's Well Number: NEWV23553 3) Elevation: 1247'

Well type: (a) Oil  or Gas  *Issued 03/17/97*  
 (b) If Gas: Production  Undergound Storage  *Expires 03/17/99*  
 Deep  Shallow   
 229

- 5) Proposed Target Formation(s): Pittsburgh.60B
- 6) Proposed Total Depth: 970 feet
- 7) Approximate fresh water strata depths: None
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: Waynesburg, 670-675', Sewickley, 905-909', Redstone, 970-973'
- 10) Does land contain coal seams tributary to active mine? Yes  No
- 11) Proposed Well Work: Connect an existing coal mine 60B Vent Hole for production.
- 12)

**CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	10"				19'	3 sks.
Fresh Water					<i>E. Adams</i>	
Coal						
Intermediate						
Production	7"	J-55	17	978'		190 sks.
Tubing						
Liners						

**PACKERS** : Kind Parmaco Anchor  
 Sizes 7"  
 Depths set 670'

For Division of Oil and Gas Use Only

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPC2

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03/12/2021

1) Date: 3-10-97 4706101269f  
2) Operator's well number  
CNGP WEV23553 (6L-4)  
3) API Well No: 47 - 061 - 1269-C  
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:
- (a) Name Howard Shriver, et al Name \_\_\_\_\_  
Address HC 67, Box 60 Address \_\_\_\_\_  
Wadestown, WV 26589
- (b) Name \_\_\_\_\_ (b) Coal Owner(s) with Declaration  
Address \_\_\_\_\_ Name (See Attached) Letter to EACC  
Address Eastern Associated Coal Corp.
- (c) Name \_\_\_\_\_ Name \_\_\_\_\_  
Address \_\_\_\_\_ Address \_\_\_\_\_
- 6) Inspector Div. I - Randall Mick (c) Coal Lessee with Declaration  
Address 111 Blackshere Dr. Name \_\_\_\_\_  
Mannington, WV 26582 Address \_\_\_\_\_  
Telephone (304)-288-1600 (c)  
986-3324 (h)

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

\_\_\_\_\_ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through \_\_\_\_\_ on the above named parties, by:

- \_\_\_\_\_ Personal Service (Affidavit attached)  
X Certified Mail (Postmarked postal receipt attached)  
\_\_\_\_\_ Publication (Notice of Publication attached)

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I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

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, 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 and imprisonment.

Well Operator CNG Producing Company  
By: Rodney J. Biggs *Rodney J. Biggs* DS  
Its: Designated Agent - Production Manager, Appalachian Region  
Address Rt. 2, Box 698, Crosswind Corp. Park  
Bridgetown, WV 26330  
Telephone (304) 623-8840

Subscribed and sworn before me this 10<sup>th</sup> day of March, 1997

Nancy D. Colton  
My commission expires 09-26-2003 Nancy D. Colton Notary Public

03/12/2021



WW-4A  
Revised 6-07

1) Date: 12-1-2020  
2) Operator's Well Number  
6 left 4

3) API Well No.: 47 - 061 - 01269

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

<b>4) Surface Owner(s) to be served:</b>	<b>5) (a) Coal Operator</b>
(a) Name CNX RCPC LLC	Name _____
Address 1000 CONSOL Energy Drive	Address _____
Canonsburg, PA 15317	
(b) Name _____	<b>(b) Coal Owner(s) with Declaration</b>
Address _____	Name Phoenix Energy Resources LLC
	Address 803 Quail Vally Drive
	Princeton WV, 24640
(c) Name _____	Name _____
Address _____	Address _____
<b>6) Inspector</b>	<b>(c) Coal Lessee with Declaration</b>
Address Bryan Harris	Name _____
P.O. Box 157	Address _____
Volga, WV 26238	
Telephone 304-552-3874	

**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 CNX Gas Company LLC  
 By: Raymond Hoon *[Signature]*  
 Its: Senior Project Manager  
 Address 1000 Consol Energy Dr  
 Canonsburg, PA 15317  
 Telephone 724-485-4000

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Subscribed and sworn before me this 3<sup>RD</sup> day of December 2020

*[Signature]*  
My Commission Expires \_\_\_\_\_

Commonwealth of Pennsylvania - Notary Seal  
 Vicki L. Smith, Notary Public  
 Indiana County  
 My commission expires June 19, 2022  
 Commission number 1155912

Notary Public  
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](mailto:depprivacyofficer@wv.gov).

03/12/2021

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Princeton, WV 24740

Certified Mail Fee	\$3.55
Extra Services & Fees (check box, add fee as appropriate)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<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	\$2.60
Total Postage and Fees	\$6.15

Sent To Phonny Entw  
 Street and Apt. No., or PO Box No.  
 City, State, ZIP+4®

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

0518  
12  
Postmark Here  
DEC-3 2020  
12/03/2020

7019 1120 0001 5856 2938

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For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

Canonsburg, PA 15317

Certified Mail Fee	\$3.55
Extra Services & Fees (check box, add fee as appropriate)	\$0.00
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<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	\$1.40
Total	\$4.95

Ser Mike Holiday CNX Land LLC  
 RCPC LLC (4L5, 6L4)  
 1000 CONSOL Energy Drive  
 Canonsburg, PA 15317

PS Instructions

MCMURPHY, PA  
 DEC-3 2020  
 12/03/2020  
 15317

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03/12/2021

WW-9  
(5/16)

4706101269P

API Number 47 - 061 - 01269  
Operator's Well No. 6 left 4

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

Operator Name CNX Gas Company, LLC OP Code 494458046

Watershed (HUC 10) Dunkard Creek Quadrangle Wadestown

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 return)

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. na

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) na

-Landfill or offsite name/permit number? na

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 *Raymond Hoon*

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Office of Oil and Gas

Company Official (Typed Name) Raymond Hoon

DEC 10 2020

Company Official Title Senior Project Manager

WV Department of  
Environmental Protection

Subscribed and sworn before me this 3<sup>RD</sup> day of December, 2020

*Vicki L. Smith*

Commonwealth of Pennsylvania - Notary Seal  
Vicki L. Smith, Notary Public  
Indiana County  
My commission expires June 19, 2022  
Commission number 1155912  
Member, Pennsylvania Association of Notaries

Notary Public

My commission expires \_\_\_\_\_

03/12/2021

Proposed Revegetation Treatment: Acres Disturbed 2.35 acres 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: Bryan Harris

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Title: Inspector

Date: 12-2-20

Field Reviewed? ( ) Yes ( X ) No

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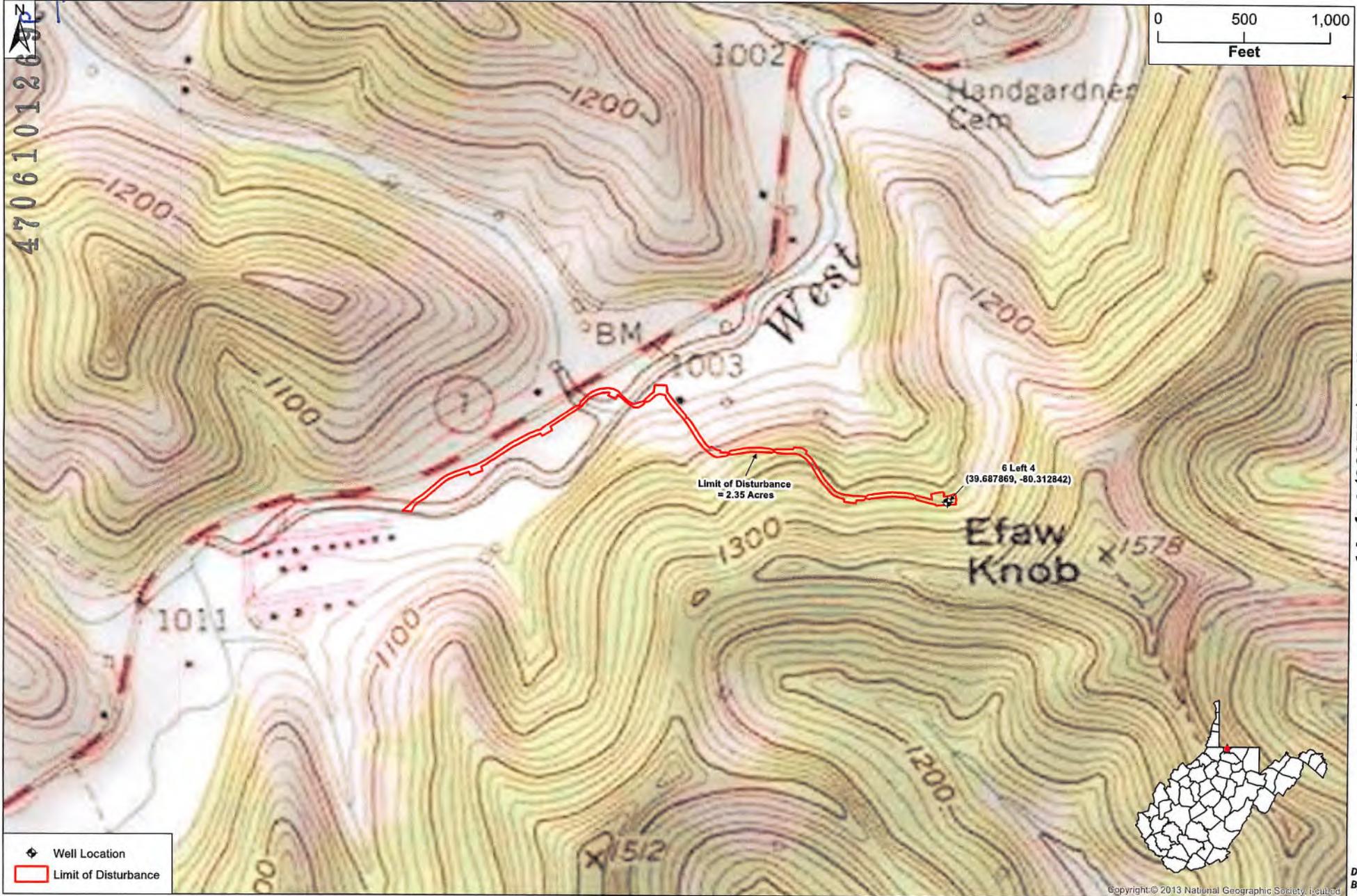
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4706101263P  
21



**6 Left 4 (023553) Well Head**  
Site Location Topographic Map  
Monroalia County, West Virginia



Date: 11/19/21  
By: J. Stascak

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

API: 4706101269 WELL NO.: 023553

FARM NAME: Shriver

RESPONSIBLE PARTY NAME: CNX

COUNTY: Monongalia DISTRICT: Battelle

QUADRANGLE: Wadestown

SURFACE OWNER: CNX RCPC LLC

ROYALTY OWNER: CNX RCPC LLC

UTM GPS NORTHING: 4393340.31

UTM GPS EASTING: 558922.06 GPS ELEVATION: 1236.00

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.

*Raymond*  
Signature

Project MANAGER  
Title

12-3-20  
Date

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03/12/2021

11/10/2016

PLUGGING PERMIT CHECKLIST

Plugging Permit

- WW-4B
- WW-4B signed by inspector
- WW-4A
- SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- WW-9 PAGE 1 (NOTARIZED)
- WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- RECENT MYLAR PLAT OR WW-7
- WELL RECORDS/COMPLETION REPORT
- TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- MUST HAVE VALID BOND IN OPERATOR'S NAME
- CHECK FOR \$100 IF PIT IS USED

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