



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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Thursday, July 8, 2021
WELL WORK PERMIT
Vertical / Re-Work

COLUMBIA GAS TRANSMISSION, LLC
STORAGE TECHNICAL SERVICES - 6TH FLOOR
1700 MACCORKLE AVE. SE.
CHARLESTON, WV 25314

Re: Permit approval for RIPLEY 7297
47-035-00495-00-00

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: RIPLEY 7297
Farm Name: STONE,STEPHEN & DEBORAI
U.S. WELL NUMBER: 47-035-00495-00-00
Vertical Re-Work
Date Issued: 7/8/2021

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. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code §22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring with one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. 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.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours
7. Well work activities shall not constitute a hazard to the safety of persons.
8. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced, drilling ceased, completion of any other permitted well work and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

Objective: Casing Repair

LAST PROFILE UPDATE:

TITLE: Casing Repair	WELL: 7297		WORK TYPE: GPMC
FIELD: Ripley	SHL (Lat/Long): 0 0	API: 47-035-00495	
STAT: WV	BHL (Lat/Long): 0 0	CNTY: Jackson	
TWP: 0			

PROCEDURE

Note that well has RBP set at 4690'.

- 1 Obtain State permit, EM&CP, pipeline crossing evaluation, call before you dig, etc. Prepare site specific SPCC.
- 2 Notify landowner.
- 3 Obtain General Work Permit and Wellsite Review & Turnover Form from Operations.
- 4 ~~Notify Reservoir Engineering & Geosciences (REG) of intent to take well out of service.~~
- 5 Notify environmental inspector prior to beginning work.
- 6 If required, notify State/Federal regulatory agencies prior to beginning work.
- 7 ~~Disconnect well line.~~
- 8 Prepare access road and well site. Install ECD's per EM&CP.
- 9 Service all wellhead valves.
- 10 Document initial casing and annular pressures.
- 11 MIRU wireline. Install a second RBP at 4470', correlated to GR-Neut-Diff Temp ran on 3/4/98. RDMO loggers.
- 12 Top off well with fluid.
- 13 MIRU service rig.
- 14 Blow down 4x7 and remove wellhead down to casing head.
- 15 Weld on 4-1/2" pulling nipple and pull wellhead seal/slips.
- 16 NU 7" double ram (4.5" pipe & blind) and annular BOP. Function test - no way to pressure test.
- 17 Pull 2000 lbs over block weight and blind back-off 4-1/2" tubing.
- 18 * Since we're not sure of connection (hydril or FJ), may have to take jt of tubing to XXXXX and have a cover pup joint made.
Run new tubing, screw back together, and perform 30 minute pressure test to at minimum 2010 psig surface pressure.
If pressure doesn't decrease more than 10% over 30 minute period then test is good.
- 19 ND BOPs.
- 20 Dress top of 4-1/2", install new primary slips/seals, new DSPA w/ FS seals, and pressure test to 2000 psig.
- 21 Re-install existing tree.
- 22 RDMO service rig.
- 23 MIRU 1.75" CTU. Retrieve RBPs. Flow well. If well won't flow unload with nitrogen. Perform CTCO. RDMO CTU.
- 24 Flow well to recover treatment fluids.
- 25 Perform final 45-min flowback test thru 3/4" choke.
- 26 Notify WET Project Support that well is back in-service.
- 27 Reclaim R&L.
- 28 Reconnect well line.
- 29 Paint wellhead and well line.
- 30 Commission well by completing, processing, and retain for records the Wellsite Review and Turnover Form.
- 31 Notify REG that well is ready for storage service.

Jim Amos
5-25-21

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PREPARED BY: Jim Amos	REVIEWED BY:	APPROVED:
PREP DATE: 3/25/2021		

470350049

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
WELL RECORD

Ridley
7297

Gas Well
CASINO & TUBING

Permit No. Pac. 495
Ridley No. 3, Quad.

Company

United Carbon Company

Address

Box 1913, Charleston 27, W. Va.

Farm

W.E. Kuyper et al Acres 164.34

Location

Med Run of Sandy Creek

Well No.

2 (1220) Elev. 615.2 Gr.

District

Ravenswood Jackson County

Surface

W.E. Hupp et al, Sandyville, W. Va.

Mineral

Same

Commenced

Sept. 10, 1944

Completed

Dec. 4, 1945

Net shot

Open flow

Volume

Rock Pressure

Fresh Water

Salt Water

32/104 1/2 M in 7" 2 1/2"

9,008,000 G.P.

1360 lbs. 23 hrs.

508 1 MPH; 730' 1 MPH (salt water); 100' H.P.

1195' H.P.

16 15 15
13 3/8 509
10 1200
9 5/3 1928 1930
7 CD 4435 4469
2 3/3 4706' 4706' 9

CASINO CEMENTED:
8 5/8 1192' 10-21-45
7 CD 224' 4619' 11-25-45

Surface	0	15
Red Rock	15	90
Sand	50	125
Red Rock	125	175
Slate & Shells	175	320
Red Rock	320	545
Sand	350	360
Slate	350	400
Red Rock	400	430
Sand	430	450
Slate	400	545
Sand	565	600
Slate	600	725
Sand	725	745
Slate	745	765
Sand	765	900
Slate	800	960
Sand	960	1015
Slate	1015	1125
Sand	1125	1175
Slate	1175	1280
Sand	1190	1250
Slate	1250	1350
Sand	1350	1400
Slate	1400	1440
Sand	1400	1616
Big Mine	1616	1770
Indian Sand	1770	1874
Slate Break	1674	2062
Sand	1901	1922
Slate & Shells	1922	2250
Slate Brown	2258	2250
Sand Shells	2258	2250
Slate & Shells	2263	3400
Slate Brown	3400	3540
Slate & Shells	3540	3740
Slate Brown	3748	4025
Slate White	4023	4430
Slate Brown	4400	4579
Considerable Mine	4679	4727
Trishany Sand	4707	4830
WAL DEPT		1000

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Gas 4709' 9,008 107

4703500495 W

FD0057

WW-2A
(Rev. 6-14)

1.) Date: 4/23/2021
2.) Operator's Well Number Riplev 7297
State 47- County 035 Permit 00495
3.) API Well No.:

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:
(a) Name Steven B. Stone ✓ Address 14 Crooked Run Road Sandville, WV 25275
(b) Name _____ Address _____
(c) Name _____ Address _____
6) Inspector Joe Taylor Address 1478 Clavlick Road Riplev, WV 25271 Telephone 304-380-7469
5) (a) Coal Operator Name Not operated. Address _____
(b) Coal Owner(s) with Declaration Name Not applicable. Address _____
(c) Coal Lessee with Declaration Name Not leased. Address _____

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

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

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 22-6 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)

I have read and understand Chapter 22-6 and 35 CSR 4, 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: Columbia Gas Transmission, LLC
By: Brad Nelson *Brad Nelson* RECEIVED Office of Oil and Gas
Its: Storage Engineer
Address: 455 Racetrack Road Washington, PA 15301 JUN 07 2021
Telephone: 724-250-0610 WV Department of Environmental Protection
Email: brad_nelson@tcenergy.com

Commonwealth of Pennsylvania - Notary Seal
Elaine Rybski, Notary Public
Allegheny County
My commission expires May 11, 2022
Commission number 1332803

Member, Pennsylvania Association of Notaries
Subscribed and sworn before me this 29 day of August, 2021

Elaine Rybski *Elaine Rybski* Notary Public
My Commission Expires 5/11/2022 Commonwealth of Pennsylvania
Oil and Gas Privacy Notice County of Allegheny

495W 500495W

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West Virginia Department of
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SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Steven B. Stone
14 Crooked Run Road
Sandyville, WV 25275



9590 9402 4965 9063 0689 45

Article Number (Transfer from service label)
7020 0640 0001 2343 7214

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Agent
 Addressee
Robert Whiting

B. Received by (Printed Name) Q. Date of Delivery
Robert Whiting *05/04/21*

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail
 - Insured Mail Restricted Delivery (over \$500)
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

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

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

Sandyville, WV 25275

OFFICIAL USE

Certified Mail Fee \$3.60

\$
Extra Services & Fees (check box, add fee as appropriate)

- Return Receipt (hardcopy) \$ 0.00
- Return Receipt (electronic) \$ 0.00
- Certified Mail Restricted Delivery \$ 0.00
- Adult Signature Required \$ 0.00
- Adult Signature Restricted Delivery \$ 0.00

Postage \$1.80

Total Postage and Fees \$8.25



Sent To **Steven B Stone**

Street and Apt. No., or PO Box No.
14 Crooked Run Road

City, State, ZIP+4®
Sandyville, WV 25275

4703500495W
7020 0640 0001 2343 7214

4703500495 W



1700 MacCorkle Ave. SE
P.O. Box 1273
Charleston, WV 25325

April 29, 2021

Steven B. Stone
14 Crooked Run Road
Sandyville, WV 25275

Columbia Gas Transmission, LLC is applying for a permit to the WV Department of Environmental Protection – Office of Oil and Gas, to repair and clean out an existing underground natural gas storage well located on property owned by you. As reference, the field and well ID is Ripley 7297 (API # 47-035-00495-00-00).

As part of the well permitting process, Columbia, the well operator, is required to provide a copy of all applicable permit application forms for your review and record retention.

If you have questions, feel free to call.

Regards,

A handwritten signature in black ink that reads "Brad Nelson".

Brad Nelson
Storage Engineer
TC Energy (Columbia Gas Transmission, LLC)
brad_nelson@tcenergy.com
off: 724-223-2753
cell: 724-250-0610

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07/09/2021

4703500495W

USPS TRACKING#



9590 9402 4965 9063 0689 45

United States
Postal Service

• Sender: Please print your name, address, and ZIP+4® in this box•

Brad Nelson
216 Cedarville Street
Apt. 2
Pittsburgh, PA 15224

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

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U.S. Department of
Environmental Protection



**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6, Section 8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
W.E. Hupp, widower et. al.	United Fuel Gas Company	Storage Lease 1052756-000	DB 382/389 and Lease 55/975

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator:
By: Its:

Columbia Gas Transmission, LLC

Brad Nelson
Storage Engineer

07/09/2021

WW-2B1
(5-12)

Well No. Ripley 7297

West Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name _____
Sampling Contractor _____

Well Operator Not applicable - existing underground natural gas storage well.
Address _____
Telephone _____

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

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WW-9
(5/16)

API Number 47 - 035 - 004950000
Operator's Well No. Ripley 7297

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

Operator Name Columbia Gas Transmission, LLC OP Code 307032

Watershed (HUC 10) Sandy Creek Quadrangle Sandyville, WV

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 34-009-23821, 34-009-23823, 34-009-23824, 34-105-23619)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Appalachian Water Services, Station W1 Ronco WTP, Masontown, PA - Permit 2608201)

Will closed loop system be used? If so, describe: Yes - steel piping connecting wellhead and tank(s).

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

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

Additives to be used in drilling medium? NaCl, biocide, polymer, starch, calcium carbonate, surfactant (CTCO), HCl acid (stimulation)

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) _____

-Landfill or offsite name/permit number? If needed: Rumpke Beech Hollow Landfill - Wellston, OH

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 Brad Nelson

Company Official (Typed Name) Brad Nelson

Company Official Title Storage Engineer

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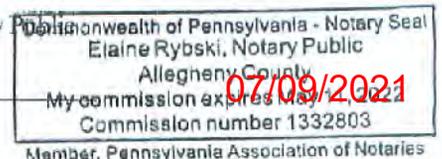
Subscribed and sworn before me this 29 day of April, 2021

Elaine Rybski

Elaine Rybski Notary Public

My commission expires 5/11/2022

Commonwealth of Pennsylvania
County of Allegheny



Proposed Revegetation Treatment: Acres Disturbed <1.0 Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 7

Fertilizer type 10-10-10

Fertilizer amount 600 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Annual Rye	40	Orchard Grass and/or Tall Fescue	29
		Birdsfoot trefoil (empire)	9
		Annual Rye	12

For wetland areas: Annual Rye (40 lbs/acre) until indigenous plants re-establish cover.

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: Joe Taylor

Comments:

Title: OOG Inspector

Date: 5-25-21

Field Reviewed? (X) Yes () No

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

Operator Name: Columbia Gas Transmission, LLC

Watershed (HUC 10): Sandy Creek

Quad: Sandyville, WV

Farm Name: Stone & Heatherington

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

No fluids planned to be discharged.
No fertilizer will be stored on site. Small quantities of fuel, oil, and lubrications will be stored on site, but located within secondary containment.
Accidental release from well fluids and spills from construction equipment are the only sources of contaminate to groundwater.
All accumulated fluids to be hauled off site to UIC disposal facility.

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

All construction and well servicing equipment will be monitored and inspected daily for leaks. Fluid pumping well service equipment will have secondary containment under all leak paths. Spill kits will be on site.

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

Mud Run is approximately 0.1 mi. to the E.

The closest Well Head Protection Area is 5.2 mi. (WV3301810 - Ravenswood Municipal Water Works). It is within ZCC (PWSID WV3302713 - SMASON CO PSD-LETART).

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

N/A

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

07/09/2021

N/A

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

No waste material will be used for deicing or fill material on the property.

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.

During routine tailgate meetings groundwater protection will be a topic of discussion.

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

No fertilizer will be stored on site. Small quantities of fuel, oil, and lubrications will be stored on site, but located within secondary containment. Construction and well servicing equipment will be monitored and inspected daily for leaks or spills.

Signature: Bruce Miller

Date: 4/29/21

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07/09/2021

WV DEP Reclamation Plan Site Overview / Detail

Ripley 7297 (API 035-00495)

- BMPs and erosion control devices to be utilized per WV DEP guidelines and Columbia's WV Environmental Construction Standards.
- Existing drainage, culverts, and road ditches to be maintained.
- Minor grading and surface material to be applied as needed.

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Legend

- Ripley - 07297
- Ripley 7297 Access Road
- Ripley 7297 LOD

4708500495W

Google Earth



0.25 ac.

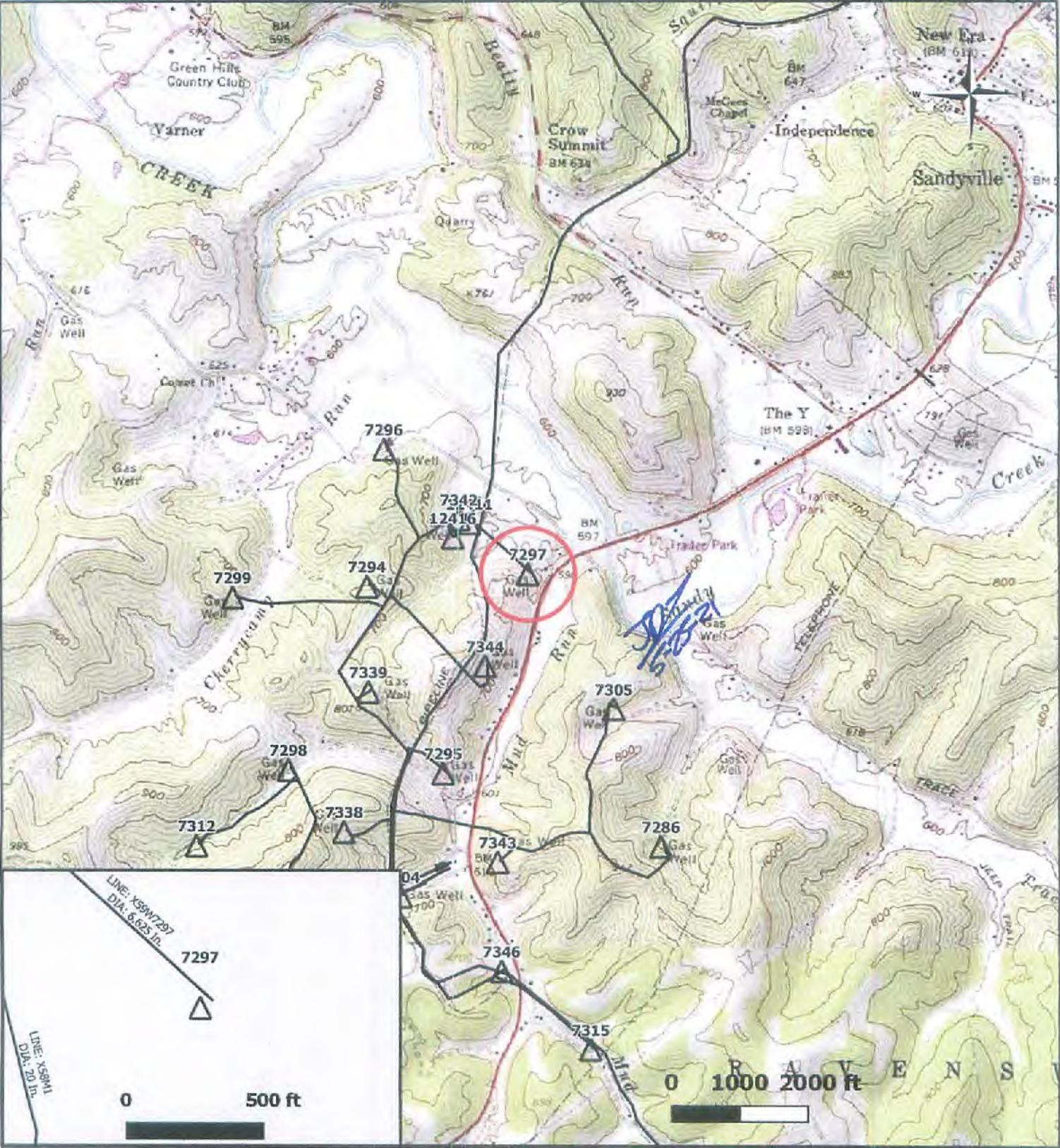
Ripley - 07297

Existing Access Road

100 ft



Joe [Signature]
5-25-21



Legend

Storage Well Classification

- △ Active
- ◻ Observation
- ◊ Special
- CPG Pipelines
- Well of Interest



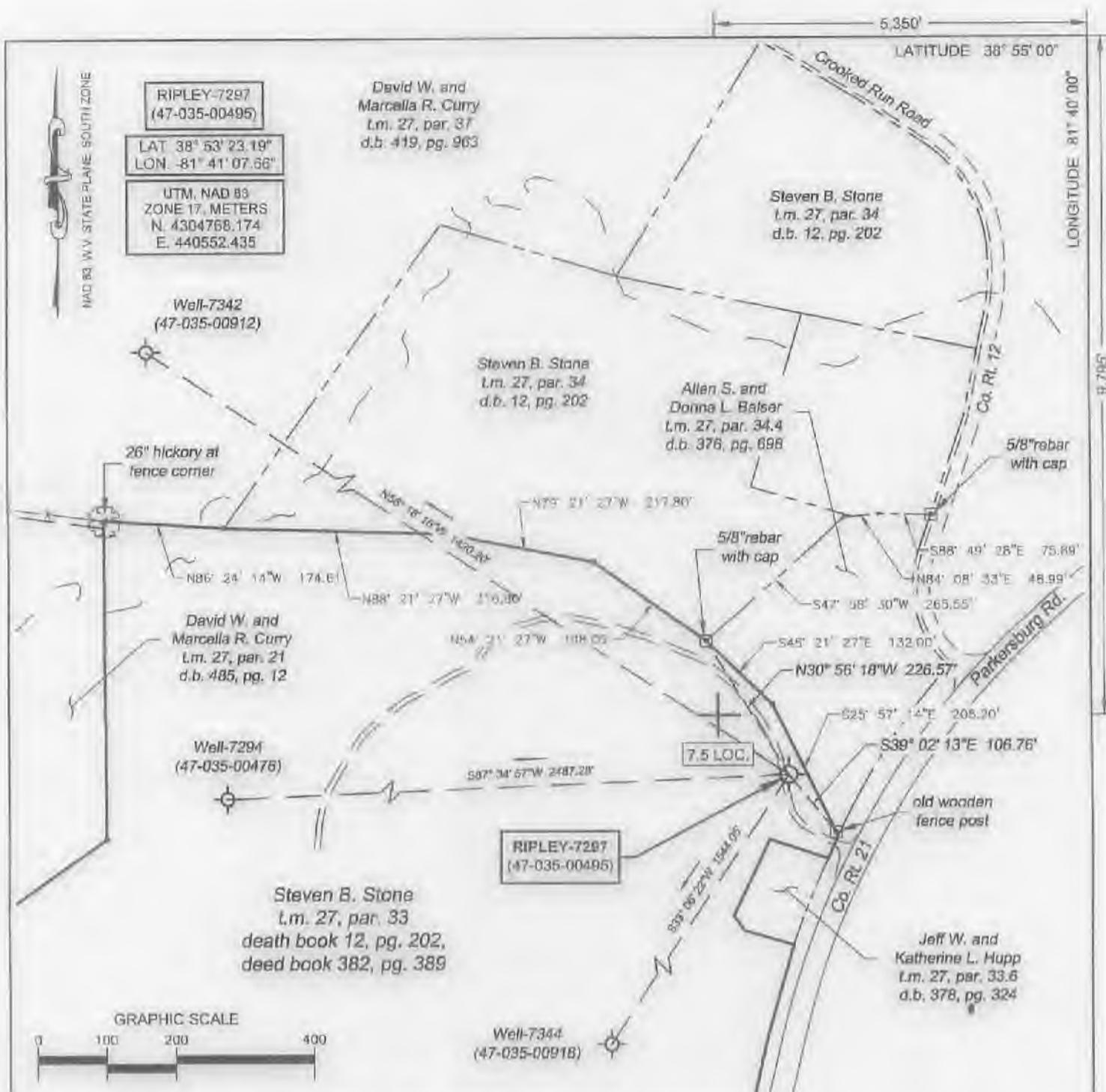
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Ripley Storage Field
Storage Well 7297
Jackson County, West Virginia

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USGS Topographic Map (Scaled 2000 Ft/ In) to be included with
PROJECT ENVIRONMENTAL INFORMATION FORM (PEIF)

07/09/2021



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No. 2101-3079-001-001
 DRAWING No. RIPLEY-7297
 SCALE 1"=200'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION TRIMBLE R10 GPS UNIT

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 DIVISION OF ENVIRONMENTAL PROTECTION.

(SIGNED) Robert F. Thaw
 ROBERT F. THAW PS #965



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 NITRO, WV



DATE APRIL 1 2021
 OPERATOR'S WELL No. 7297
 API WELL No. 47 035 - 00495W

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 604.4 WATER SHED SANDY CREEK
 DISTRICT RAVENSWOOD COUNTY JACKSON
 QUADRANGLE SANDYVILLE, WV

SURFACE OWNER STEVEN B. STONE ACREAGE 76.12 +/-
 OIL & GAS ROYALTY OWNER STEVEN B. AND DEBORAH STONE

LEASE ACREAGE 55 LEASE NO. 1052756-000

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE
 STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) REWORK
 PLUG AND ABANDON CLEAN OUT AND REPLUG

07/09/2021

TARGET FORMATION ORISKANY ESTIMATED DEPTH 4808
 WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT JAMES AMOS
 ADDRESS PO BOX 1273, CHARLESTON, WV 25325-1273 ADDRESS 48 COLUMBIA GAS ROAD SANDYVILLE, WV 25275

FORM IV-6 (8-76)

4703500495³⁵⁻⁰⁰⁴⁹⁵
W
Deep-Res-work

Columbia Gas Transmission, LLC
1700 MacCorkle Ave., SE, Charleston, WV, USA 25314



May 25, 2021

WV DEP – Office of Oil & Gas
601 57th Street, SE
Charleston, WV 25304-2345

Enclosed is a well work permit application for the following Columbia Gas Transmission existing storage well:

Ripley 7297 (API 035-00495)

Please return permit to:

Columbia Gas Transmission
48 Columbia Gas Rd
Sandyville, WV 25275
Attn: Jim Amos

CHK# 38850
Amt \$ 900
Date 5/25/21

If you have questions, feel free to call.

Regards,

Jim Amos
Team Leader
Well Engineering & Technology
Columbia Gas Transmission, LLC
Off: 304-373-2412
Mob: 304-483-0073
james_amos@tcenergy.com

RECEIVED
Office of Oil and Gas

JUN 07 2021

WV Department of
Environmental Protection