



west virginia department of environmental protection

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

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

March 29, 2016

WELL WORK PERMIT

Re-Work

This permit, API Well Number: 47-10700342, issued to COLUMBIA GAS TRANSMISSION, LLC, 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 all 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 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.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-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) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: ROCKPORT 7261
Farm Name: COLUMBIA GAS TRANSMISSION
API Well Number: 47-10700342
Permit Type: Re-Work
Date Issued: 03/29/2016

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.

10700342W
CK#40
5120051
\$60000

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

1) Well Operator: Columbia Gas Transmission, LLC 307032 Wood Steele Rockport, WV
Operator ID County District Quadrangle

2) Operator's Well Number: Rockport 7261 3) Elevation: 781.7 ft

4) Well Type: (a) Oil _____ or Gas X
(b) If Gas: Production _____ / Underground Storage X
Deep X / Shallow _____

5) Proposed Target Formation(s): Oriskany Proposed Target Depth: 5015

6) Proposed Total Depth: 5068 (existing) Feet Formation at Proposed Total Depth: Oriskany

7) Approximate fresh water strata depths: none reported by driller in 1951

8) Approximate salt water depths: none reported by driller in 1951

9) Approximate coal seam depths: none reported by driller in 1951

10) Approximate void depths,(coal, Karst, other): none reported by driller in 1951

11) Does land contain coal seams tributary to active mine? no

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)
Perform coiled tubing clean-out and fracture stimulate.

13) **CASING AND TUBING PROGRAM**

* Existing tubulars. Note that when well was re-drilled and converted to storage in 1954, the 4.5" & 7" were installed, and work order records report that 850 sx of cement were charged to well.

TYPE	SPECIFICATIONS			FOOTAGE		INT	Fill -up (Cu. Ft.)
	Size	Grade	Weight per ft	For Drilling	Left in Well		
Conductor	13.375			18	0		
Fresh Water	10.75			614	0		
Coal	8.625			1167	657 - 1167		no record of cement
Intermediate	7			2155	0 - 60		likely cmt'd but no record
Production	4.5	J-55	12.60	5011	5011		no record of cement volume
Tubing							but cement bond log indicates
Liners							WV Department of Environmental Protection cement top @ 3680'

Existing OK JS

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Office of Oil and Gas
MAR 10 2016
WV Department of Environmental Protection

Packers: Kind: _____
Sizes: _____
Depths Set _____

FORM U 97-P 6-50

***RE-DRILL**
(FORMERLY F24715)

United Fuel Gas Company
CORPORATE

John
Superintendent
MAP SQUARE 66-109

SERIAL WELL NO. 7261

LEASE NO. 50954

RECORD OF WELL NO. 7261 on the			CASING AND TUBING				TEST BEFORE SHOT
DATE	DEPTH	TYPE	OD	WT	USED IN	LEFT IN	TEST
F. W. Betts Etal. farm of 44 Acres		ONE					27 /10 of Water in 1/2 hr
in Steel	District	7	8 3/8	7921	511		/10 of Water in 1/2 hr
Wood	County	1	12.600	5166	5111		Value
State of: West Virginia		2	1.60	5256	-0-		TEST AFTER SHOT
Field: Clendenin							/10 of Water in 1/2 hr
Rig Commenced Feb. 11 1954							/10 of Water in 1/2 hr
Rig Completed Feb. 18 1954							Value
Drilling Commenced Feb. 18 1954							Value
Drilling Completed March 17 1954							Value
Contractor: Moran Drilling Company							Value
Address: 1200 Oil and Gas Building							Value
Michita Falls, Texas							Value
Driller's Name: Ray D. Stewart							Value
R. D. Thompson							Value
Joe Pitts							Value
Elevation:							Value

DRILLER'S RECORD				
FORMATION	TOP	BOTTOM	REMARKS	REMARKS
Clay	0	20		Clay. Break Lining. Timber Shoes (Used)
Slate, Red Rock, Sand	20	745		
Junk Iron, Pine Timber	745	750		
Open Hole	750	760		
Bridge	760	800		
Open Hole	800	830		
Bridged	830	900		
Open Hole and Bridged	900	2000		Gas Pocket at 2000 ft.
Open Hole and Bridged	2000	3144		Gas Pocket at 3144 ft.
		3144		Pulled drill pipe and was taken apart
		4113		assembly, 3144 ft.
				cleaned out, work traveling down
				Dropped 540 ft. of drill pipe and
				and cleaned out.
		4500		at 4500 ft. depth of
		4500		at 4500 ft. depth of

SECRET
NO FORN DISSEM
TOP SECRET
NO FORN DISSEM

04/01/2016

Lease No. **50954**
"G" No. **X-58-7261**

Map Square **65-100**

UNITED FUEL GAS CO.

WELL LOCATION **CLENDENIN** FIELD

Well No. **X-58-7261 F.W. BETTS ET AL.** Farm: **44** Acres

STEELE Dist. **WOOD** Co. **W. VA.** State

On **TIGART CREEK** Scale: 1" = 1320' Coal **NOT OPERATED**

Location made by **W. F. B. GAS CO.** Date **SEPT 20** 19 **50**

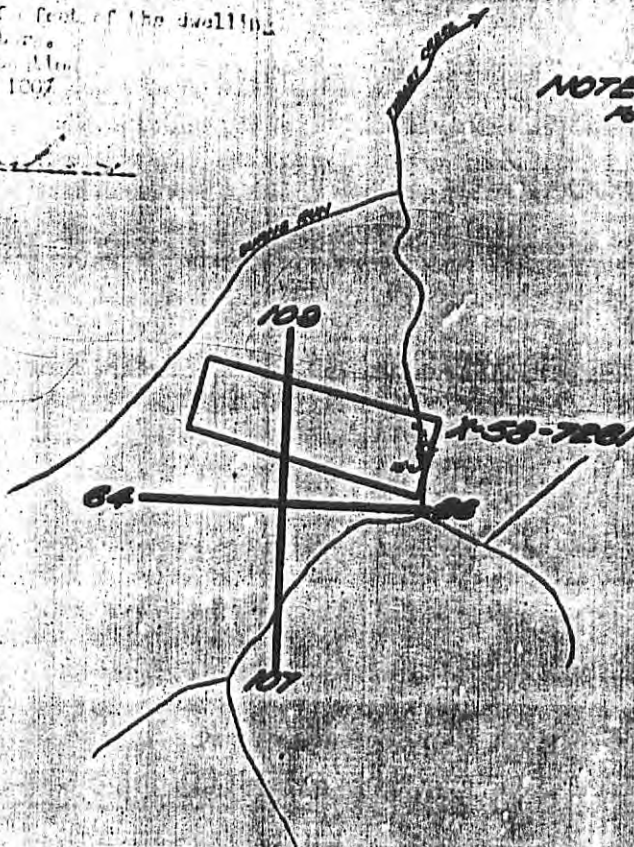
Elevation **787.0'** Note Book Page No buildings with a **300** feet

ORIGINAL Casing Points **13"-18" 10"-6 1/2" 8"-11 7/8" 7 1/2" 2 1/2" 5"** Total Depth **5084'**

ORISKANY
Formation

Storage
Severed 50 feet of the dwelling
hole of 100
Class "B" Gas Mine
No. 1007

NOTE -
Primarily #2475



REDRILL

Approved: **May 14** 19**53**
Approved: **May 12** 19**53**
W.F.B.

R. J. F. J. J.
E. J. J. J.

WW-2A
(Rev. 6-14)

1). Date: 3/2/2016
2.) Operator's Well Number Rockport 7261
State County Permit
3.) API Well No.: 47- 107 - 00342

**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: 5) (a) Coal Operator
(a) Name Columbia Gas Transmission. LLC Name not operated
Address PO Box 1273 Address _____
Charleston. WV 25325
(b) Name _____ (b) Coal Owner(s) with Declaration
Address _____ Name _____
Address _____
(c) Name _____ Name _____
Address _____ Address _____
6) Inspector Jamie Stevens (c) Coal Lessee with Declaration
Address 105 Kentuck Rd Name _____
Kenna. WV 25248 Address _____
Telephone 304-206-7775

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)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

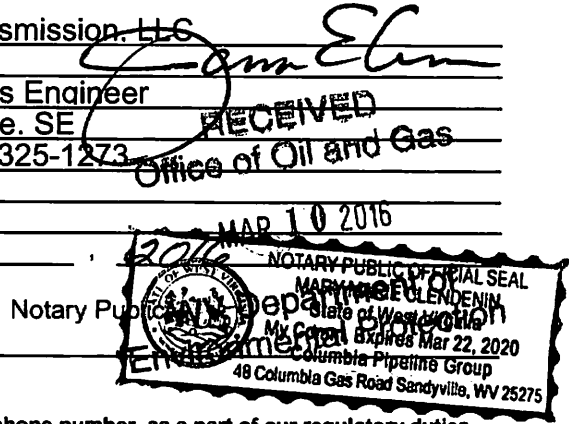
I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

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: James E. Amos
Its: Senior Well Services Engineer
Address: 1700 MacCorkle Ave. SE
Charleston, WV 25325-1273
Telephone: 304-483-0073
Email: iamos@cpq.com

Subscribed and sworn before me this 9th day of March
Mary Marie Clendenin
My Commission Expires 3/22/2020



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 **04/01/2016**

WW-2A Surface Waiver

SURFACE OWNER WAIVER

County Wood

Operator
Operator well number

Columbia Gas Transmission, LLC
Rockport 7261

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure a adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through ___ including a work order on Form WW2-B, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Signature

Date _____

Company Name
By
Its

RECEIVED
Office of Oil and Gas
Columbia Gas Transmission
James Amo MAR 10 2016

Signature

Date

Print Name

10700342W

WW-2A1
(Rev. 1/11)

Operator's Well Number Rockport 7261

**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
Fenton W. Betts, et al	Columbia Gas Transmission, LLC	Storage lease 1050954-000	359 / 488

**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

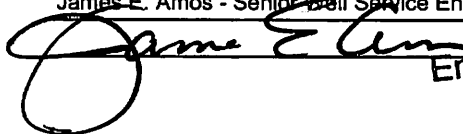
The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity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

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Office of Oil and Gas
MAR 10 2016

Well Operator:
By: Its:

Columbia Gas Transmission, LLC

James E. Amos - Senior Well Service Engineer


WV Department of
Environmental Protection

04/01/2016

10700342W

WW-2B1
(5-12)

Well No. Rockport 7261

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 * not applicable - existing underground natural gas storage well
Sampling Contractor _____

Well Operator _____
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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Office of Oil and Gas

MAR 10 2016

WV Department of
Environmental Protection

04/01/2016

WW-9
(2/15)

API Number 47 - 107 - 00342
Operator's Well No. Rockport 7261

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) Tygart Creek Quadrangle Rockport, 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
- Undergound Injection (UIC Permit Number 34-105-23619, 34-121-22459, 34-059-20965)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Rumpke Beech Hollow Landfill, Wellston, OH)

Will closed loop system be used? If so, describe: yes - steel lines to steel portable tank

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) _____

-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 August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

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

Company Official Signature [Signature]
Company Official (Typed Name) James E. Amos
Company Official Title Senior Well Services Engineer

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Office of Oil and Gas
MAR 10 2016

Subscribed and sworn before me this 9th day of March, 202016
Mary Marie Clendenin
My commission expires 3/22/2020

Notary Public
WV Department of Environmental Protection
EMERGENCY PUBLIC OFFICIAL SEAL
MARY MARIE CLENDENIN
State of West Virginia
My Comm. Expires Mar 22, 2020
Columbia Pipeline Group
48 Columbia Gas Road Sandsville, WV 25275
04/01/2016

Columbia Gas Transmission, LLC

Proposed Revegetation Treatment: Acres Disturbed 0.5 Prevegetation pH 6

Lime 2 Tons/acre or to correct to pH 6.5

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
Orchard Grass and/or Tall Fescue	29	(if Tall Fescue is used, plant endophyte-free certified seed)	
Birdsfoot Trefoil (Empire)	9	(legumes to be inoculated by manufacturer's recommendation)	
Annual Rye	12		

* seed rate must be doubled for broadcast seeding

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: James Stevens

Comments: _____

Title: Inspector

Date: 3/7/2016

Field Reviewed? () Yes () No

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WV Department of
Environmental Protection

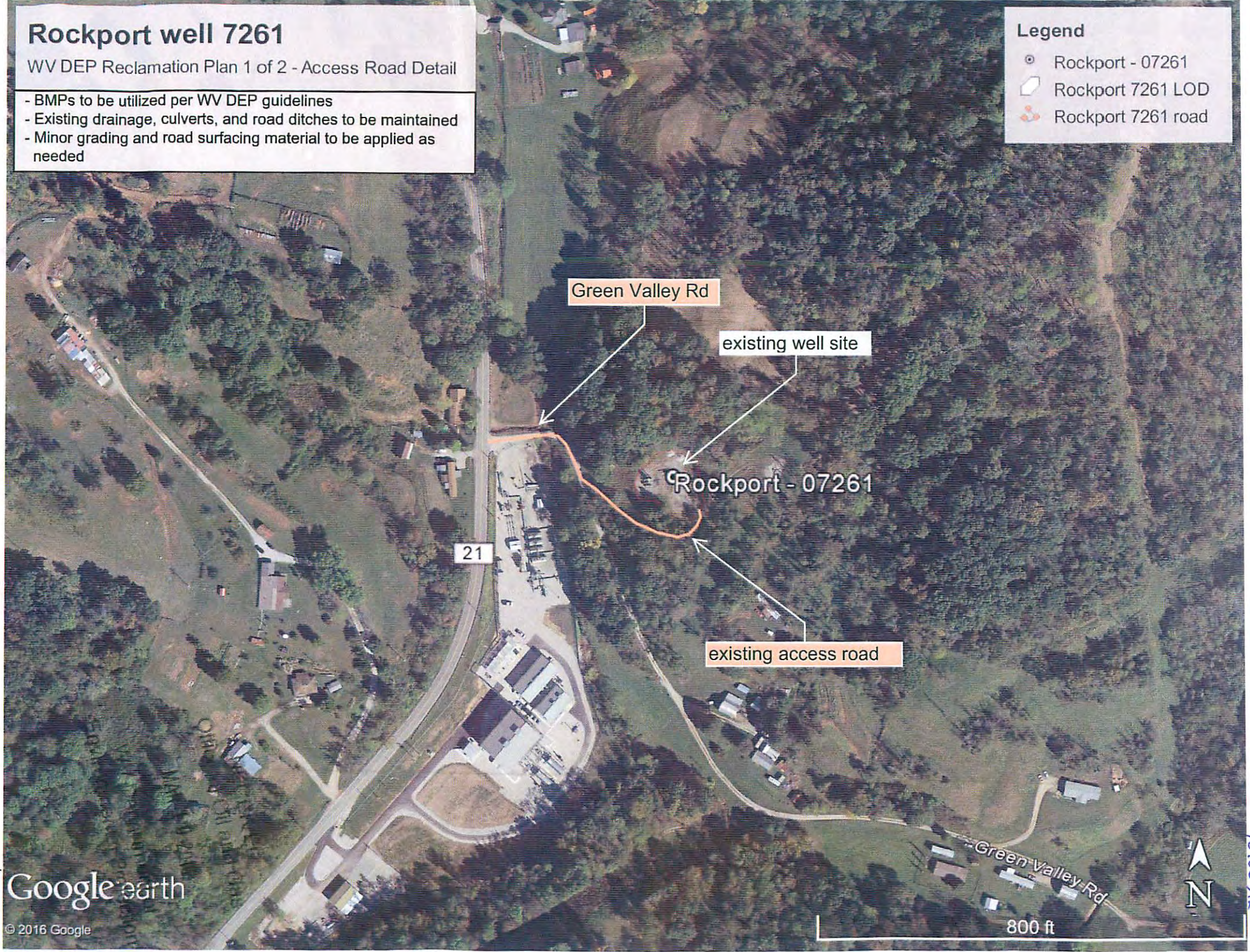
Rockport well 7261

WV DEP Reclamation Plan 1 of 2 - Access Road Detail

- BMPs to be utilized per WV DEP guidelines
- Existing drainage, culverts, and road ditches to be maintained
- Minor grading and road surfacing material to be applied as needed

Legend

- Rockport - 07261
- Rockport 7261 LOD
- Rockport 7261 road



Google earth

© 2016 Google

10700342

Rockport well 7261

WV DEP Reclamation Plan 2 of 2 - Site Detail

- 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 surfacing material to be applied as needed

Legend

- Rockport - 07261
- Rockport 7261 LOD
- Rockport 7261 road



Google earth

© 2016 Google



10700342W

10 700 347W

(LUBECK)



ROCKPORT QUADRANGLE
WEST VIRGINIA
TOPOGRAPHIC SERIES

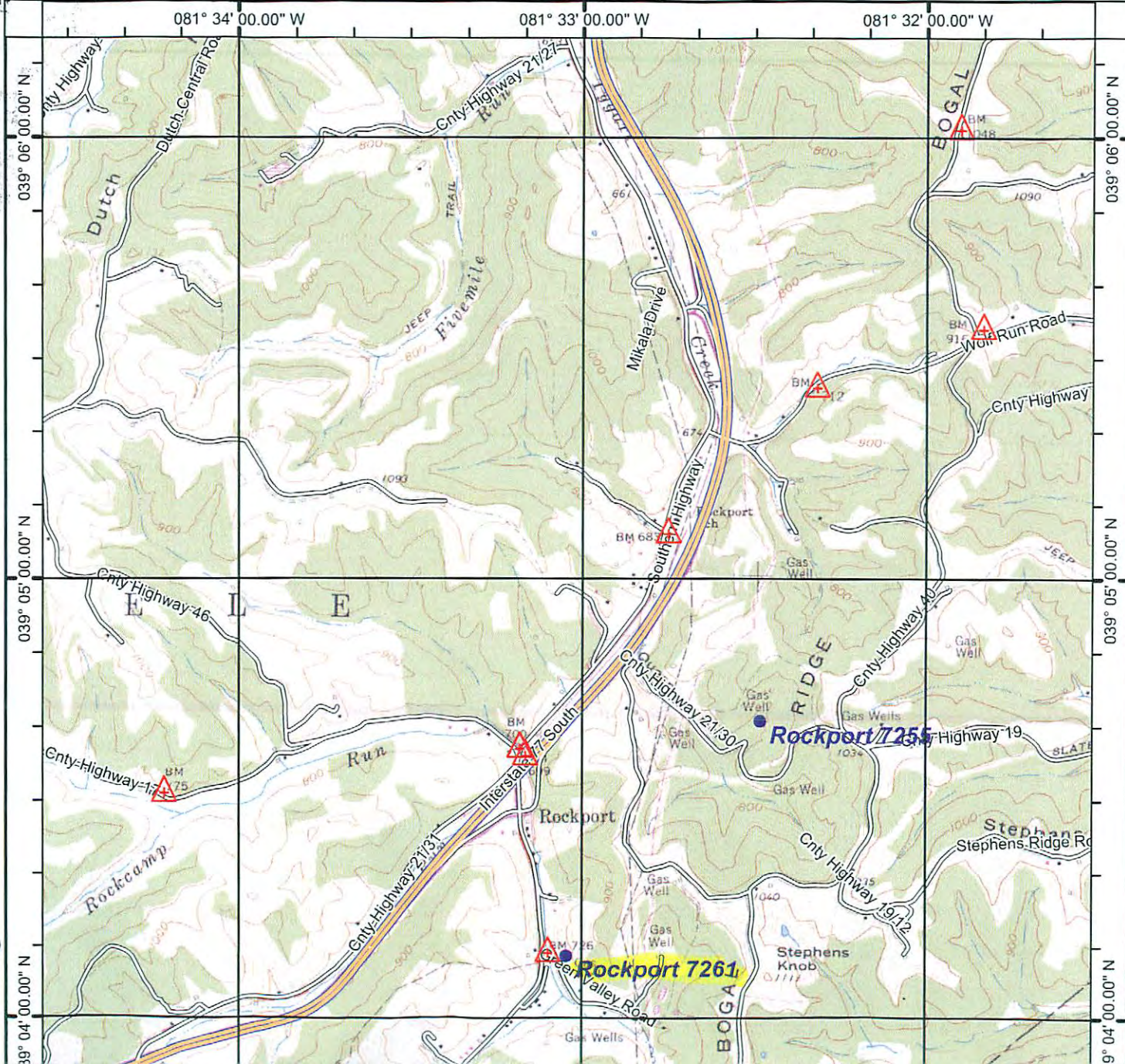
(KANAWHA)

(SOUTH PARKERSBURG)

081° 34' 34.78" W
039° 06' 13.81" N

081° 31' 30.31" W

039° 06' 13.81" N

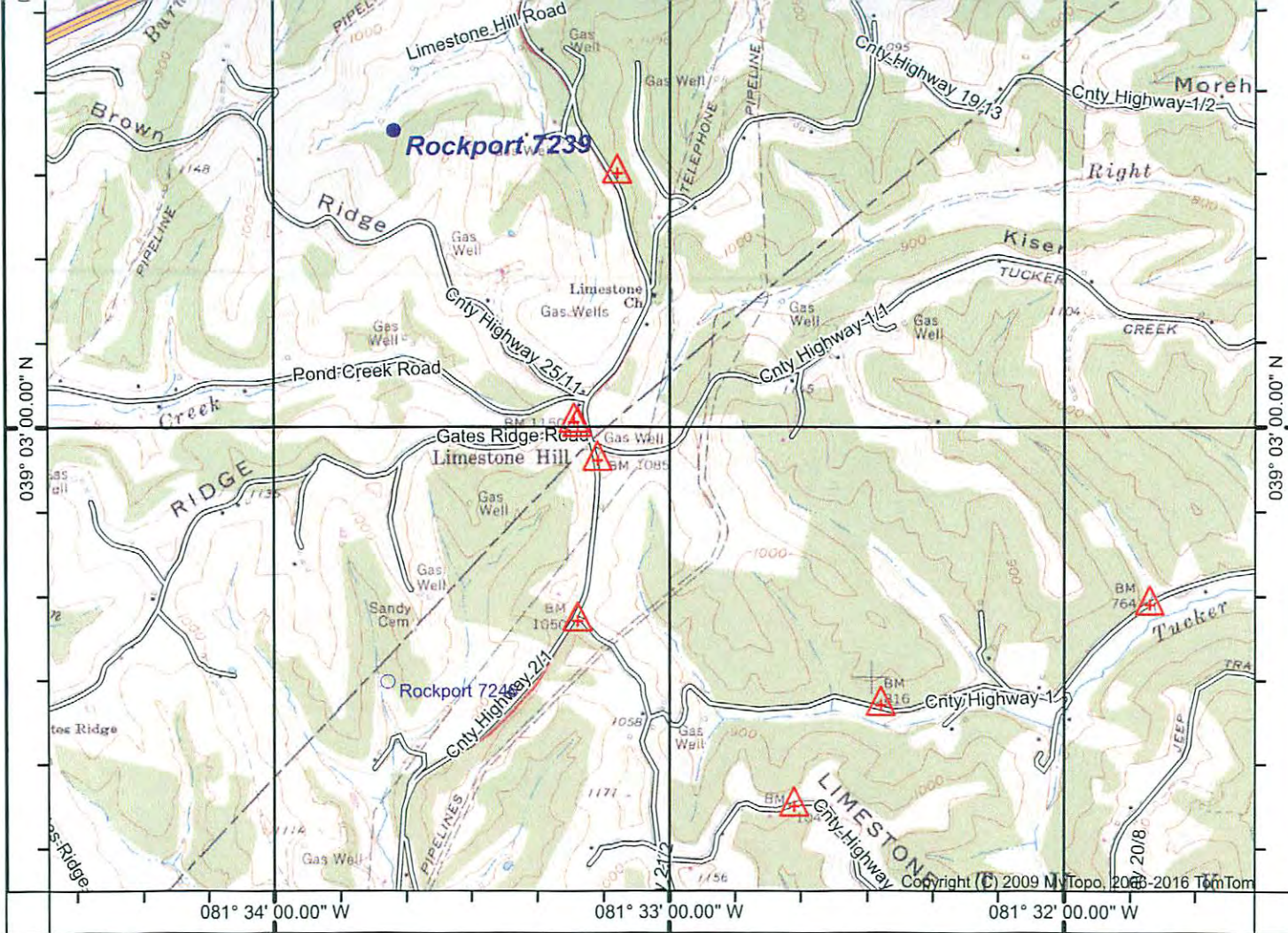


(POND CREEK)

(ELIZABETH)

Rockport 7261

Rockport 7255



039° 02' 04.69" N
 081° 34' 34.78" W
 039° 03' 00.00" N
 081° 34' 00.00" W
 081° 33' 00.00" W
 081° 32' 00.00" W
 039° 02' 04.69" N
 081° 31' 30.31" W

(SANDYVILLE)

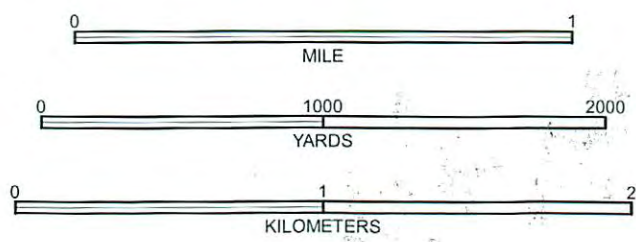
(REEDY)

Produced by MyTopo Terrain Navigator
 Topography based on USGS 1:24,000 Maps
 North American 1983 Datum (NAD83)
 Polyconic Projection
 To place on the predicted North American 1927 move the
 projection lines 9M and 13M E

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 Office of Oil and Gas
 Environmental Protection
 Department of
 MAR 10 2016



(LIVERPOOL)
 SCALE 1:24000



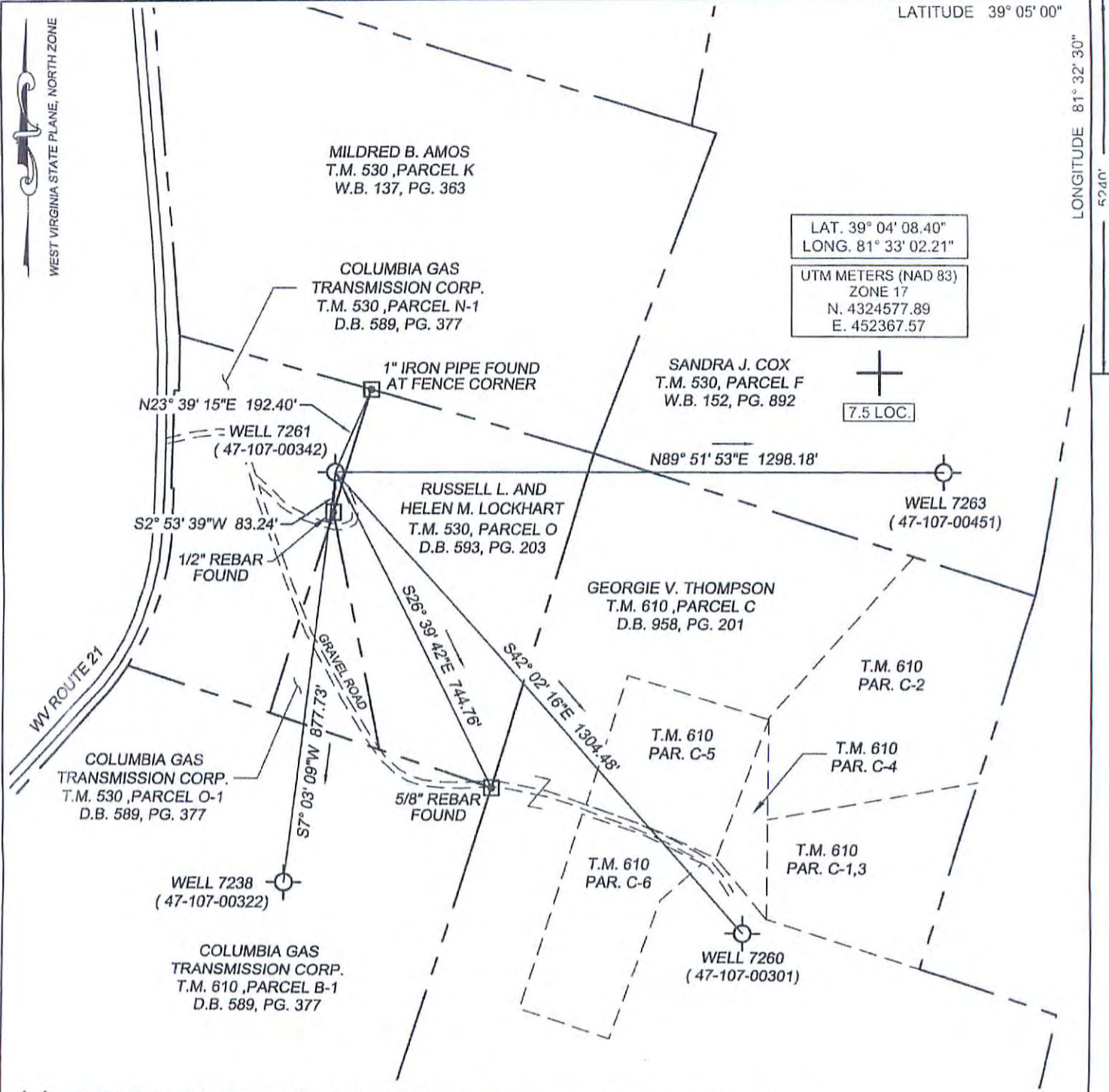
CONTOUR INTERVAL 20 FEET
 NATIONAL GEODETIC VERTICAL DATUM 1929

ROCKPORT, WV
 1960

167 00342W

2540' LATITUDE 39° 05' 00"

LONGITUDE 81° 32' 30"

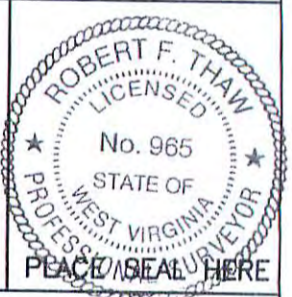


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No 1601-2345-004
 DRAWING No. 1601-2345-004
 SCALE 1"=300'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION TRIMBLE RB-3
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) R. F. Thaw
 ROBERT F. THAW PS #965



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

NITRO, WV

DATE FEBRUARY 18 20 16
 OPERATOR'S WELL No. 7261
 API WELL No. _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL 47 107 - 00342
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW STATE COUNTY PERMIT

LOCATION: ELEVATION 781.7' WATER SHED TYGART CREEK
 DISTRICT STEELE COUNTY WOOD
 QUADRANGLE ROCKPORT, WV

SURFACE OWNER COLUMBIA GAS TRANSMISSION ACREAGE 5.78
 OIL & GAS ROYALTY OWNER FENTON W. BETTS, ET AL LEASE ACREAGE 44
 LEASE No. 1050954-000

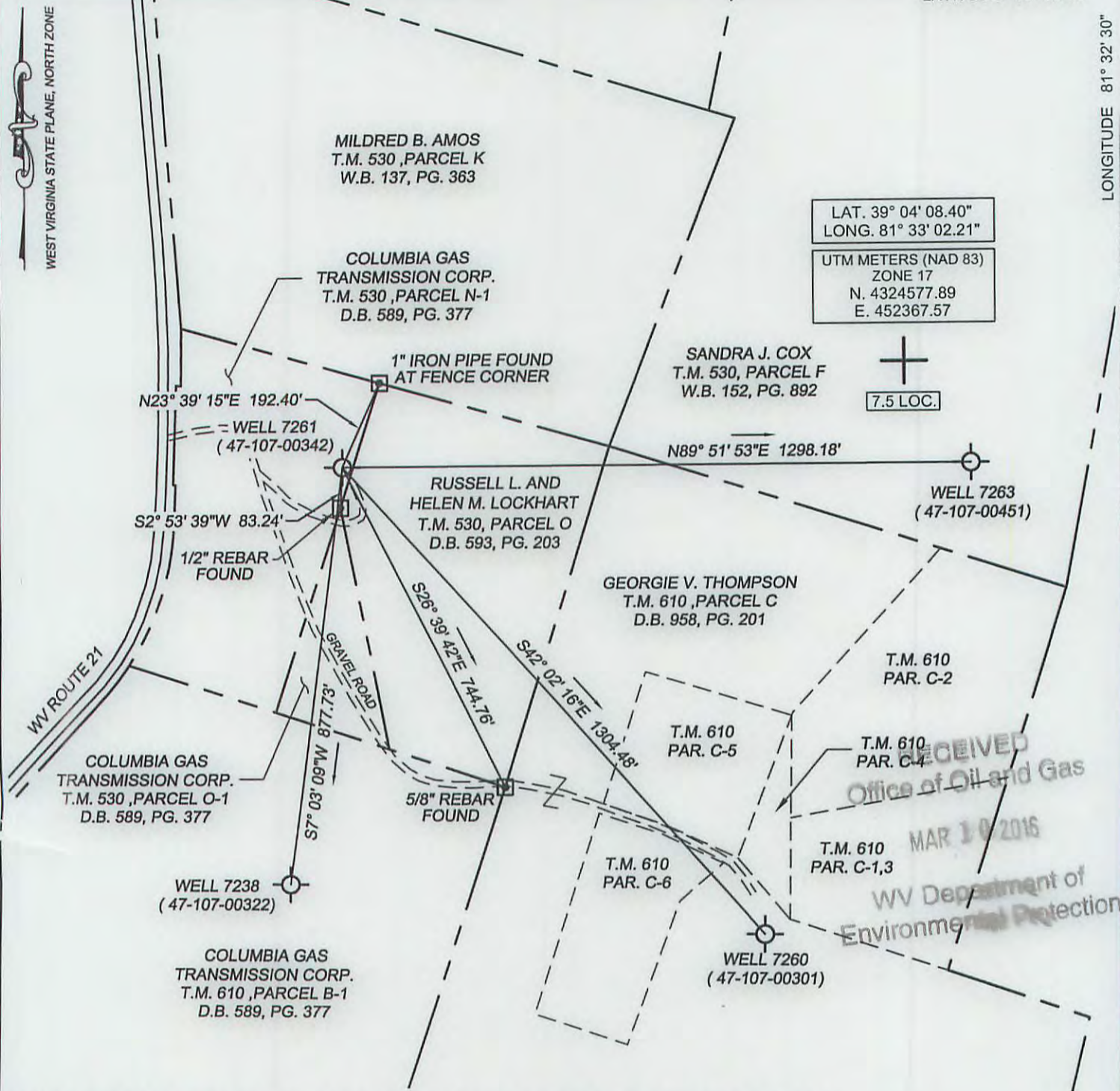
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION ORISKANY ESTIMATED DEPTH 5068
 WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT PAUL AMICK
 ADDRESS PO BOX 1273, CHARLESTON, WV ADDRESS P.O. BOX 1273, CHARLESTON W.V.
25325-1273 25325-1273

04/01/2016

FORM IV-6 (8-78)



LAT. 39° 04' 08.40"
LONG. 81° 33' 02.21"
UTM METERS (NAD 83)
ZONE 17
N. 4324577.89
E. 452367.57

7.5 LOC.

RECEIVED
Office of Oil and Gas
MAR 10 2016
WV Department of Environmental Protection

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

FILE No 1601-2345-004
DRAWING No. 1601-2345-004
SCALE 1"=300'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION TRIMBLE R8-3 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) *R. F. Thaw*
ROBERT F. THAW PS #965



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

DATE FEBRUARY 18 20 16
OPERATOR'S WELL No. 7261
API WELL No. _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL _____
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW _____
LOCATION: ELEVATION 781.7' WATER SHED TYGART CREEK
DISTRICT STEELE COUNTY WOOD
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SURFACE OWNER COLUMBIA GAS TRANSMISSION ACREAGE 5.78
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LEASE No. 1050954-000

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PLUG AND ABANDON CLEAN OUT AND REPLUG _____

TARGET FORMATION ORISKANY ESTIMATED DEPTH 5068
WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT PAUL AMICK
ADDRESS PO BOX 1273, CHARLESTON, WV ADDRESS P.O. BOX 1273, CHARLESTON W.V.
25325-1273 25325-1273

FORM IV-6 (8-7-1)

04/01/2016