



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: 47-10700339, 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: 7255
Farm Name: AYERS, WATTIE R.
API Well Number: 47-10700339
Permit Type: Re-Work
Date Issued: 03/29/2016

Promoting a healthy environment.

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.

CK# 5714040
\$60000
10700337W

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
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Operator ID County District Quadrangle

2) Operator's Well Number: Rockport 7255 3) Elevation: 846.0 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: 5041

6) Proposed Total Depth: 5073 (existing) Feet Formation at Proposed Total Depth: Oriskany

7) Approximate fresh water strata depths: none reported by driller in 1950

8) Approximate salt water depths: 1305' and 1790' (as reported by driller in 1950)

9) Approximate coal seam depths: none reported by driller

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

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

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	13.375			943	0	
Fresh Water	10.75			1220	0	
Coal	8.625			2071	2071	21 sx
Intermediate	7			4913	2025 - 4913	no record of cement
Production	3.5	J-55	9.20	5073	5073	587 sx
Tubing						
Liners						

Existing from well Records

RECEIVED
Office of Oil and Gas

MAR 10 2016

Packers: Kind: Parmaco wall & anchor

Sizes: 3.5"

Depths Set 5002 ft

WV Department of
Environmental Protection

WR-35

DATE:
API #: 47-107-00339 W

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

Well Operator's Report of Well Work

Farm name: Audra P. Kiger Operator Well No.: Rockport # 7255

LOCATION: Elevation: 846' Quadrangle: Rockport, WV

District: Steele County: Wood

Latitude: _____ Feet South of 39 Deg. 04 Min. 45 Sec.

Longitude _____ Feet West of 81 Deg. 32 Min. 28 Sec.

Company: Columbia Gas Transmission

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>RR 2 Box 138</u>	<u>8 5/8</u>	<u>2071</u>	<u>2071</u>	
<u>Sandyville, WV 25275</u>	<u>7</u>	<u>5155</u>	<u>3130</u>	<u>10 SK</u>
Agent: <u>Paul Amick</u>	<u>3/2</u>	<u>5104</u>	<u>5104</u>	<u>603 SK</u>
Inspector: <u>Larry Parrish</u>				
Date Permit Issued: <u>4-13-00</u>				
Date Well Work Commenced: <u>7-1-00</u>				
Date Well Work Completed: <u>9-28-00</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet): <u>5263</u>				
Fresh Water Depth (ft): <u>None Reported</u>				
Salt Water Depth (ft): <u>845', 1305', 1790'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft): <u>N/A</u>				

OPEN FLOW DATA

Producing formation Oriskany Sand Pay zone depth (ft) 5041-5073

Gas: Initial open flow * MCF/d Oil: Initial open flow * Bbl/d

Final open flow * MCF/d Final open flow * Bbl/d

Time of open flow between initial and final tests * Hours

Static rock Pressure * psig (surface pressure) after * Hours

* Gas Storage Well

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure _____ psig (surface pressure) after _____ 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: John V. McCallister
By: John V. McCallister
Date: 4-10-01

7-25-00 Installed new API SK Wellhead

8-11-00 Stimulated Oriskany sand w/
12 bbls 28% HCl, 100,800 scf N₂,
321 bbls H₂O, 17,400# 20/40 sand

All fluids hauled to L.A.D. in Wheeling, WV

United Carbon Co
F 23868

UNITED FUEL GAS COMPANY

3 - 26 1953

REPORT OF DEFECTIVE WELL

WELL No. X-58-7255 Farm: Wattie R Ayers District: Clawson

Steel Wood

TESTS: Map Square 66-109

TEST TAKEN FOR THIS REPORT:	ORIGINAL TEST:
Date taken: <u>None</u>	Date taken: <u>Nov- 1950</u>
Open flow: _____ Water _____ Mercury _____	Open flow: <u>4.142.000</u> Water _____ Mercury _____
Through _____ inch	Through <u>Natural</u> inch
Rock pressure: _____	Rock pressure: <u>445# 2-hours</u>

RECORD OF CASING AND TUBING IN WELL:

13³/₈ inch 943 ft. Pulled
 10³/₄ inch 1220 ft. Pulled
 8⁵/₈ inch 2071 ft.
 7 inch 4913 ft. 5¹/₂ inch ✓ ft.
 Liner 4¹/₂ x 4-inch ✓ ft. Tubing 2" inch 5073'

HISTORY OF WELL

From what sand is well producing? Oriskany

Top of Big Lime: 1888 ft. Original Depth: 5073 Depth at present time: 5073 ft.

State fully the amount of oil, water and casings in well: Bee casing listed above
No oil or water

Has well been cleaned out No Bailed _____ Swabbed Yes Date _____

What were the results. Well kept in operation

Has well been shot? No Size: _____ Sand: _____ Date: _____

Is well making any oil: No

Has well made any oil: No If so, how much? _____

Is a rig at the well? No If so, what is its condition? _____

Give your opinion fully as to what should be done with well, with any suggestions: Condition for

Storage Place and erect 36-h. Spudded. Pull 5073' of
2³/₈" Tubing Clean Well out to Bottom Run
5073' of 9.20# 3¹/₂" OD. Tubing on Well and
Anchor Packer Set Packer 5000' Perforate
Anchor from 5041' to 5070' install heavy connections
Pour Cement to Surface. Report

NOTE:-This report should be made to Division Superintendent as soon as well becomes defective. Last test must be made shortly before this report is sent in, and the open flow taken. If well is drowned out entirely, so state.

A. W. Graham
 District Superintendent

WELL WORK ORDER

DATE ISSUED 3-2- 19 53 BUDGET NO. 763 WORK ORDER NO. 3523

COMPANY United Fuel Gas Company FIELD Clendenin

FARM Wattie R. Ayers #1 LEASE NO. 51314 ACRES 74

WELL NO. X-58-7255 DISTRICT Steele COUNTY Wood STATE W. Va.

ON WATERS Queen Branch of Tygart Creek MAP SQUARE 66-109

LOCATION MADE BY United Carbon Co DATE Drilled 19 50 NOTE BOOK _____ PAGE _____

COAL Not Operated NO BUILDINGS WITHIN _____ FEET _____

LEASE EXPIRES Operated 19 _____ CLASS OF LOCATION _____

PURPOSE AND NECESSITY To purchase Well from United Carbon Co for Storage in Pool X-58

RELATED WORK ORDER NOS. _____ FOR _____

DATA AND APPROVALS

CHECK TYPE OF WORK	CHECK PERMITS OR SERVICES REQUIRED
<u>Purchase</u> NEW WELL <input checked="" type="checkbox"/>	RIGHT OF WAY FOR ROAD <input type="checkbox"/> DRILLING PERMIT <input type="checkbox"/>
DRILL WELL DEEPER <input type="checkbox"/>	WELL LINE <input type="checkbox"/> ABANDONMENT PERMIT <input type="checkbox"/>
ABANDON WELL <input type="checkbox"/>	INSTALL MEASURING EQUIPMENT <input type="checkbox"/>
	SURVEY FOR W. G. LINE <input type="checkbox"/>

ESTIMATED DEPTH 5073 FEET. SAND Oriskany DRILLING CONTRACTOR Drig. by U. C. C.

COMPANY WILL FURNISH: RIG: YES NO WATER: YES NO FUEL: YES NO

APPROVALS

SUPT. John C. Martin DATE 2-19- 19 53 DATE _____ 19 _____

DIVISION SUPT. J. A. Seese DATE 2-20- 19 53 PROD. MGR. H. C. Mefford, Jr. DATE 3-2- 19 53

ENGINEER S. R. Ferrell DATE 2-26- 19 53 GENERAL SUPT. _____ DATE _____ 19 _____

ASST. GEN. MANAGER _____ DATE _____ 19 _____ VICE PRESIDENT _____ DATE _____ 19 _____

DETAIL OF ESTIMATED COST					DETAIL OF ACTUAL COST				VARIATION
MATERIAL TO BE PURCHASED	SIZE	QUANTITY	PRICE	AMOUNT	SIZE	QUANTITY	PRICE	AMOUNT	
<u>Purchased</u> CASING WEIGHT <u>32#</u>	8"	2071'	2.37	4,908.00	8-5/8"	2,071'	1.39	2,878.69	(2029.31)
" " <u>23#</u>	7"	4913'	1.65	8,106.00	7"	4,913'	1.06	5,207.78	(2898.22)
TUBING	WEIGHT								
FITTINGS									
Casing Shoe	8"	1		26.00	8-5/8"x12"	1		25.72	(.28)
Casing Shoe	7"	1		21.00	7"x12"	1		18.06	(2.94)
TOTAL MATERIAL				13,061.00				8,130.25	(4930.75)
<u>Original</u> INSTALLATION RECORDED COST				XXXXX				XXXXX	XXXXX
LABOR				1,000.00				1,662.42	662.42
USE OF AUTO AND HAULING				2,000.00				2,761.59	761.59
RIGHT OF WAY									
DRILLING <u>5073</u> FEET @ <u>4.75</u> PER FOOT				24,097.00					
HAULING, ERECTING AND DISMANTLING RIG					(<u>5075'</u> @ <u>3.20</u>			16,247.16	(8049.84)
USE OF RIG									
FUEL				200.00					
TORPEDO									
SUPPLIES AND EXPENSE and Other Costs				150.00				1,338.64	1188.64
ENGINEERING DEPARTMENT SURVEY								585.50	585.50
STORES, EXPENSE AND FREIGHT									
LABOR BENEFITS OVERHEADS									
ADMINISTRATIVE OVERHEADS									
TOTAL INSTALLATION RECORDED COST - <u>Original</u>				27,447.00				22,595.31	(4851.69)
TOTAL ESTIMATE				40,508.00				30,725.56	(9782.44)

2-763-3523

WW-2B1
(5-12)

Well No. Rockport 7255

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.

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

WW-2A
(Rev. 6-14)

1). Date: 3/2/2016
2.) Operator's Well Number Rockport 7255
State County Permit
3.) API Well No.: 47- 107 - 00339

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 Anna J & Linda K Kiger ✓
Address 3597 Boxwood Drive
Grapevine, TX 76051
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Jamie Stevens
Address 105 Kentuck Rd
Kenna, WV 25248
Telephone 304-206-7775
5) (a) Coal Operator
Name not operated
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
(c) Coal Lessee with Declaration
Name _____
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.

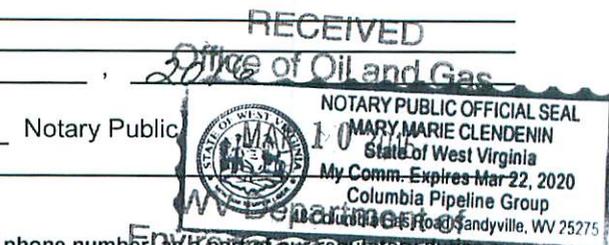
I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Columbia Gas Transmission, LLC
By: 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, 2016

Mary Marie Clendenin
My Commission Expires 3/22/2020

Oil and Gas Privacy Notice



WW-2A1
(Rev. 1/11)

Operator's Well Number Rockport 7255

**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
Wattie R. Ayers, et al	Columbia Gas Transmission, LLC	Storage lease 1051314-000	364 / 144

**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:

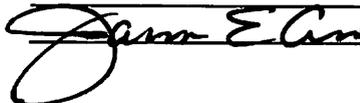
- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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 relevant permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator:
By: Its:

Columbia Gas Transmission, LLC

James E. Amos - Senior Well Service Engineer



MAR 10 2016

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Office of Oil and Gas
WV Department of Environmental Protection

WW-9
(2/15)

API Number 47 - 107 - 00339

Operator's Well No. Rockport 7255

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) Queen Branch of 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
- Underground 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.

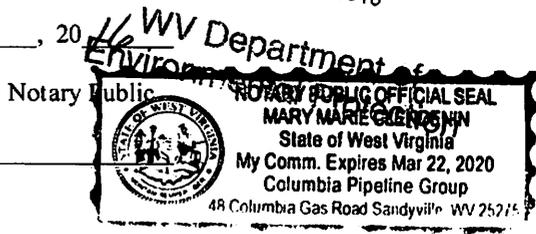
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is 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 *James E. Amos*
Company Official (Typed Name) James E. Amos
Company Official Title Senior Well Services Engineer

RECEIVED
Office of Oil and Gas

MAR 10 2016

Subscribed and sworn before me this 9th day of March, 2016
Mary Marie Clendenin
My commission expires 3/22/2020



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: *Jamie Stevens*

Comments: _____

Title: *Inspector*

Date: 3/7/2010 MAR 10 2016

Field Reviewed? Yes No

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

16700339W

(LUBECK)



ROCKPORT QUADRANGLE
WEST VIRGINIA
TOPOGRAPHIC SERIES

(KANAWHA)

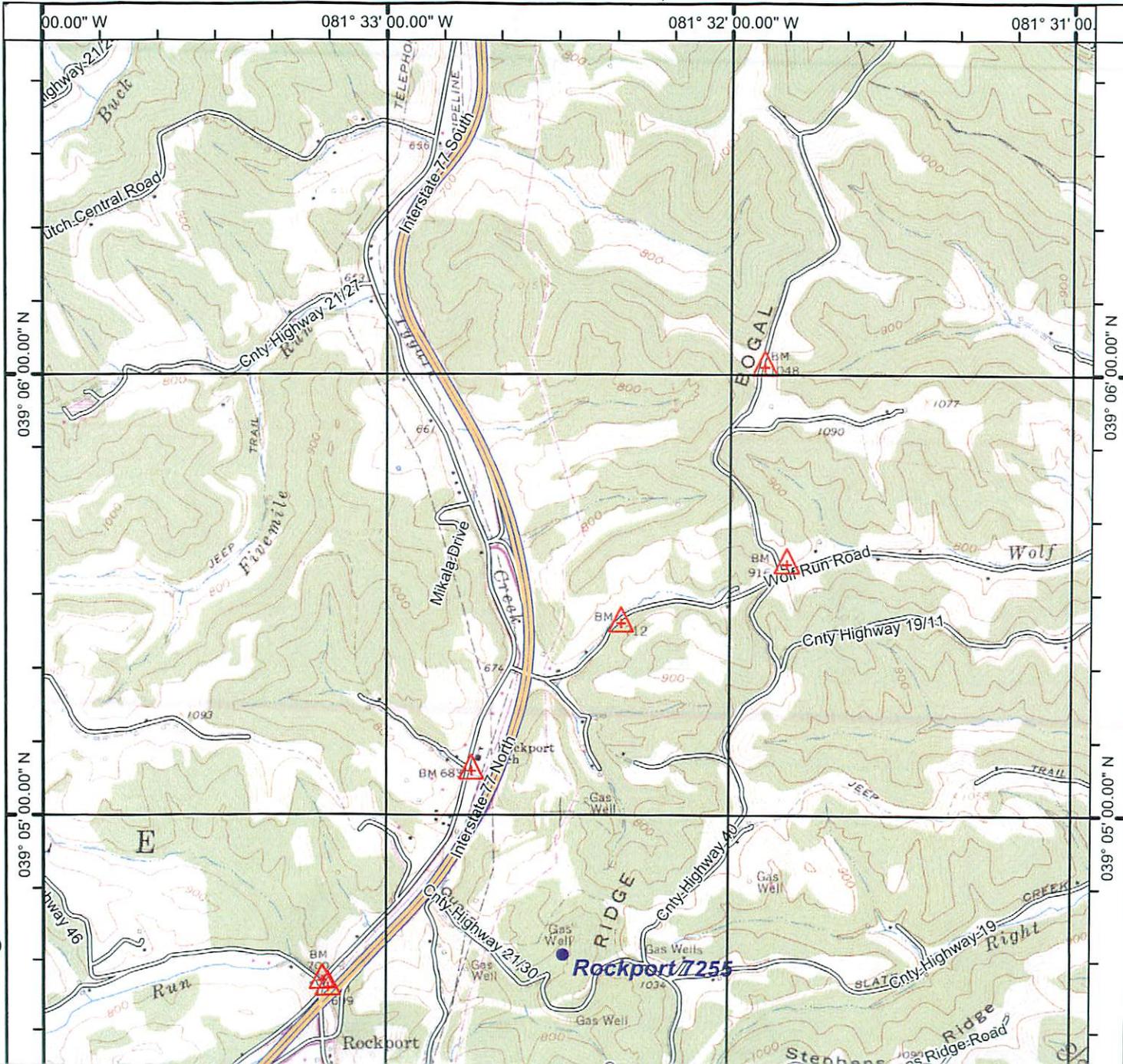
081° 34' 00.66" W

(SOUTH PARKERSBURG)

081° 30' 56.16" W

039° 06' 45.81" N

039° 06' 45.81" N



00.00" W

081° 33' 00.00" W

081° 32' 00.00" W

081° 31' 00.00" W

039° 06' 00.00" N

039° 06' 00.00" N

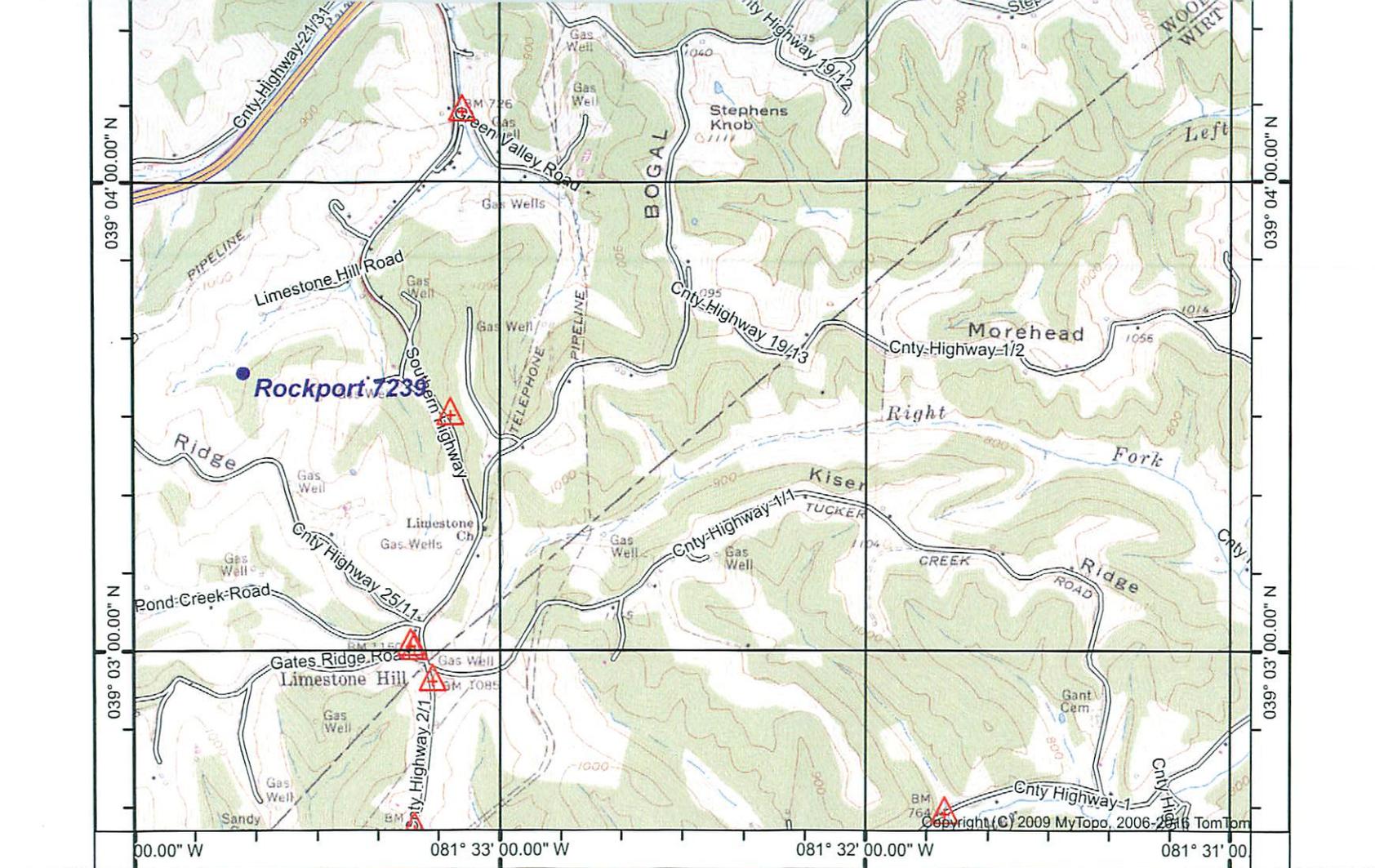
039° 05' 00.00" N

039° 05' 00.00" N

(POND CREEK)

(ELIZABETH)

Rockport 7255



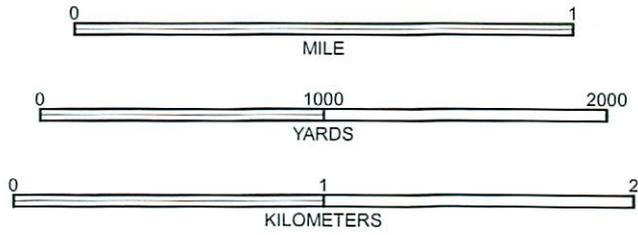
039° 02' 36.69" N 081° 34' 00.66" W (LIVERPOOL) SCALE 1:24000 Printed: Fri Jan 08, 2016 081° 30' 56.16" W 039° 02' 36.69" N

(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 N and 13M E



CONTOUR INTERVAL 20 FEET
 NATIONAL GEODETIC VERTICAL DATUM 1929

ROCKPORT, WV
 1960

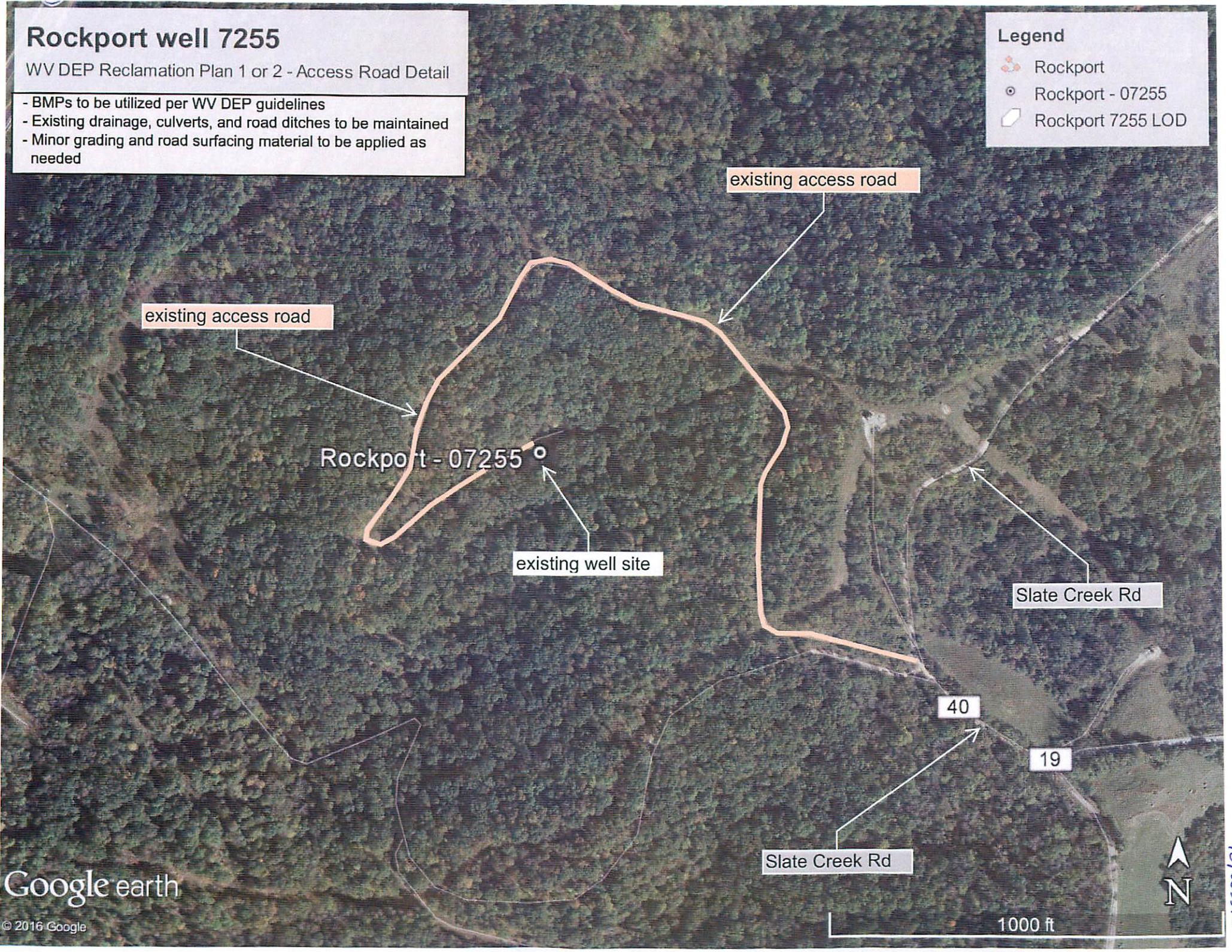
Rockport well 7255

WV DEP Reclamation Plan 1 or 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
-  Rockport - 07255
-  Rockport 7255 LOD



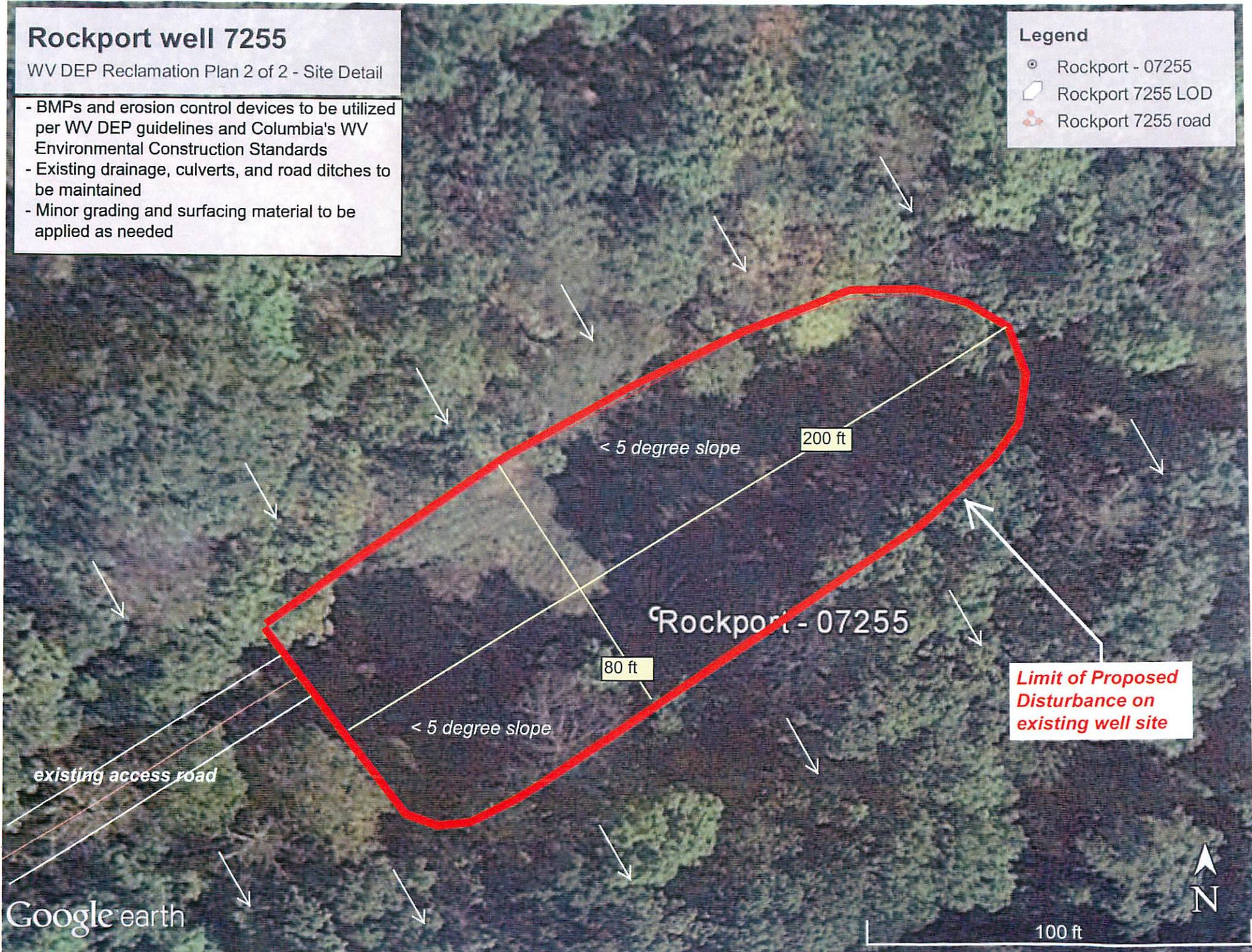
Rockport well 7255

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 - 07255
- ▭ Rockport 7255 LOD
- 🚧 Rockport 7255 road



< 5 degree slope

200 ft

Rockport - 07255

80 ft

< 5 degree slope

Limit of Proposed Disturbance on existing well site

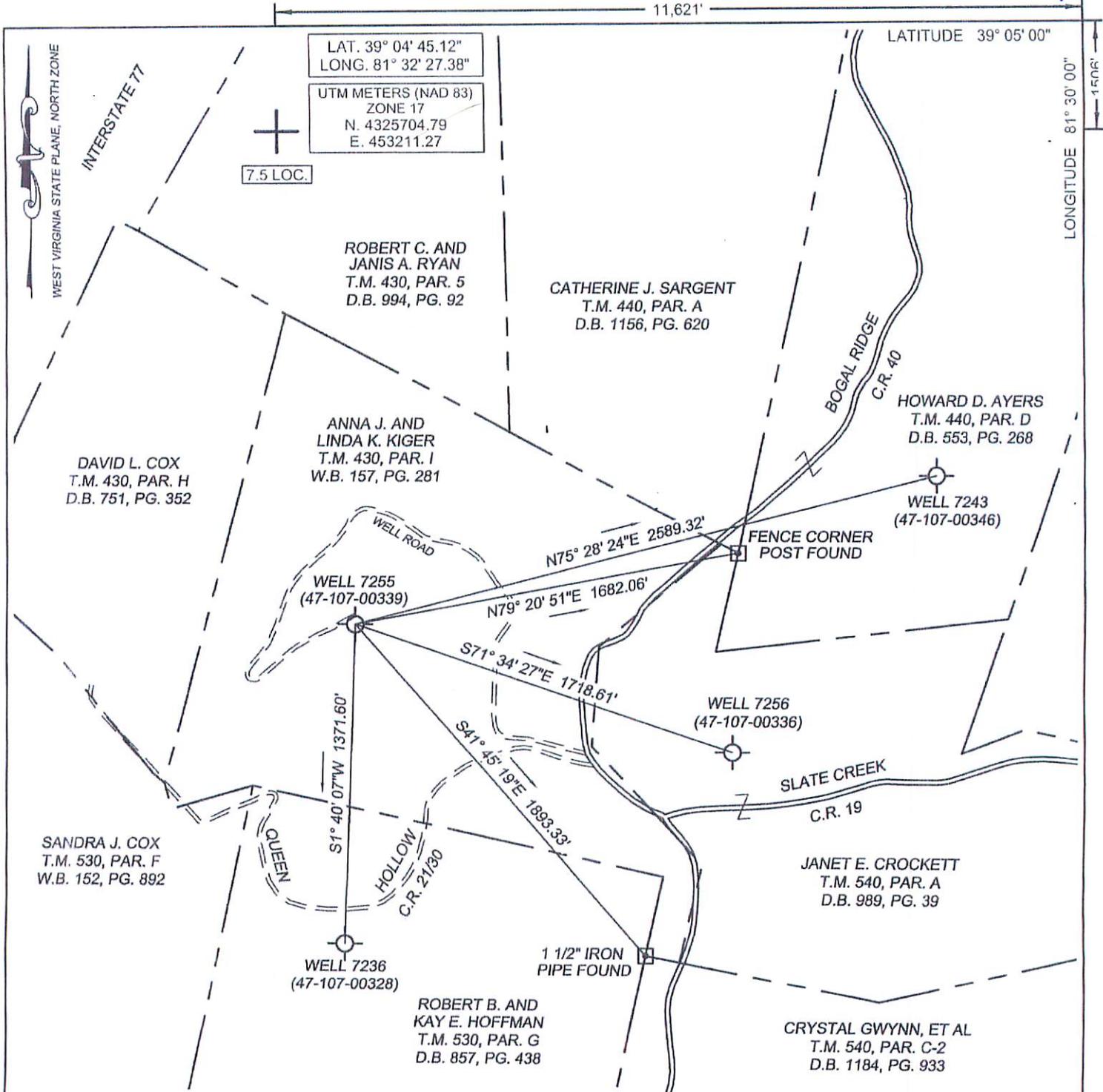
existing access road

Google earth

100 ft



10700339 W

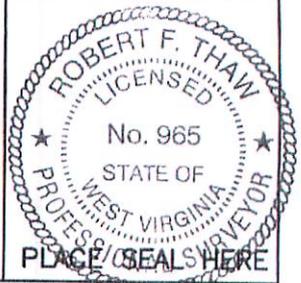


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No 1601-2345-003
 DRAWING No. 1601-2345-003
 SCALE 1"=600'
 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. 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. 7255
 API WELL No. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ 47 107 - 00339
 (IF "GAS") PRODUCTION ___ STORAGE X DEEP X SHALLOW ___ STATE COUNTY PERMIT

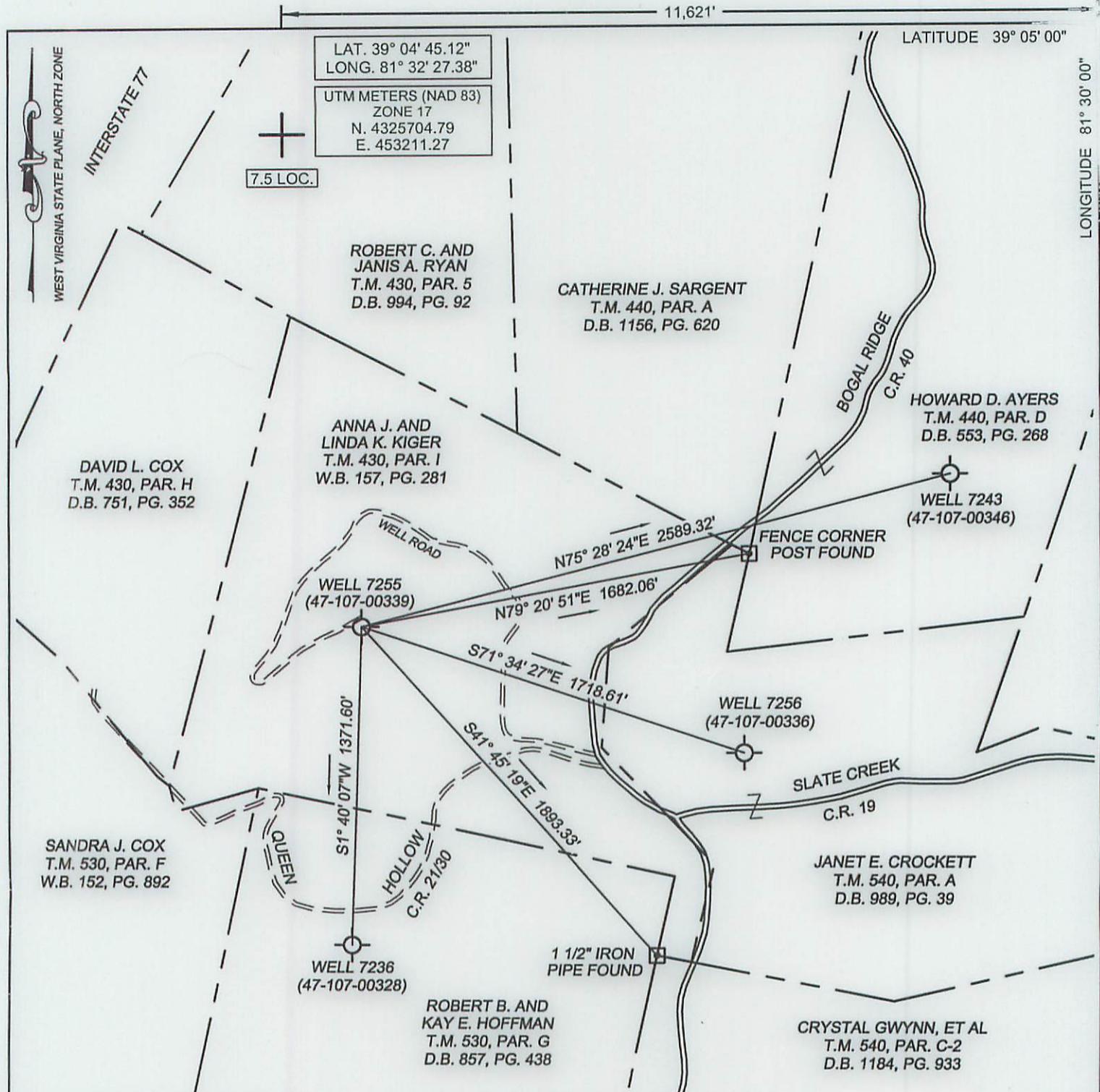
LOCATION: ELEVATION 846.0' WATER SHED QUEEN BRANCH OF TYGART CREEK
 DISTRICT STEELE COUNTY WOOD
 QUADRANGLE ROCKPORT, WV

SURFACE OWNER ANNA J. AND LINDA K. KIGER ACREAGE 74
 OIL & GAS ROYALTY OWNER WATTIE R. AYERS, ET AL LEASE ACREAGE 74
 LEASE No. 1051314-000

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X 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 5073
 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 (8-78)



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

FILE No 1601-2345-003
 DRAWING No. 1601-2345-003
 SCALE 1"=600'
 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. Thaw
 ROBERT F. THAW PS #965



PLACE SEAL HERE

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



DATE FEBRUARY 18 20 16
 OPERATOR'S WELL No. 7255
 API WELL No.

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 846.0' WATER SHEET QUEEN BRANCH OF TIGART CREEK
 DISTRICT STEELE COUNTY WOOD
 QUADRANGLE ROCKPORT, WV

SURFACE OWNER ANNA J. AND LINDA K. KIGER ACREAGE 74
 OIL & GAS ROYALTY OWNER WATTIE R. AYERS, ET AL LEASE ACREAGE 74
 LEASE No. 1051314-000

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 5073
 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 (8-78)