



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

Jim Justice , Governor
Austin Caperton , Cabinet Secretary
www.dep.wv.gov

Friday, July 07, 2017
WELL WORK PERMIT
Vertical / Re-Work

COLUMBIA GAS TRANSMISSION, LLC (A)
P. O. BOX 1273

CHARLESTON, WV 253251273

Re: Permit approval for 7294
47-035-00476-00-00

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: 7294
Farm Name: FISHER, RALPH
U.S. WELL NUMBER: 47-035-00476-00-00
Vertical / Re-Work
Date Issued: 7/7/2017

Promoting a healthy environment.

07/07/2017

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.

JUN 7 2017

WW - 2B
(Rev. 8/10)

WV Department of
Environmental Protection

47-035-00476

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 Jackson Ravenswood Sandyville, WV
Operator ID County District Quadrangle

2) Operator's Well Number: Ripley 7294 3) Elevation: 710.0 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: 4853 ft

6) Proposed Total Depth: 4867 (existing) Feet Formation at Proposed Total Depth: Oriskany

7) Approximate fresh water strata depths: 220 ft and 625 ft (as reported by driller in 1945)

8) Approximate salt water depths: 1305 ft and 1630 - 1650 ft (as reported by driller in 1945)

9) Approximate coal seam depths: none reported by driller in 1945

10) Approximate void depths,(coal, Karst, other): none reported by driller in 1945

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 acid treatment.

* Casing listed below are existing. No plans to remove, alter, or install new casing/tubing.

13) **CASING AND TUBING PROGRAM**

TYPE	SPECIFICATIONS			FOOTAGE	INTERVALS	CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	16			16	16	no record of cement
Fresh Water	13.375			771	0	
Intermediate 1	10.75			1045	0	<i>existing</i>
Intermediate 2	8.625			1600	0	
Intermediate 3	7.0		23	2036	2036	no record
Intermediate 4	5.5		17	4762	4762	no record
Production	3.5	J-55	9.2	4867	4867	cmt'd but no record of vol

Packers: Kind: Parmaco Wall & Anchor

Sizes: 3.5" x 4.75"

Depths Set 4832 ft (slotted or perforated anchor ran below)

200 sq ft

07/07/2017

02/25/99 23:42 FAX

02

WR-35

25-Feb-99
API # 47- 35-00476 T

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

Reviewed RS

Well Operator's Report of Well Work

RECEIVED
Office of Oil & Gas
Permitting

MAR 08 1999

WV Division of
Environmental Protection

Farm name: FISHER, RALPH Operator Well No.: 7294

LOCATION: Elevation: 712.00 Quadrangle: SANDYVILLE

District: RAVENSWOOD County: JACKSON
Latitude: 9800 Feet South of 38 Deg. 55Min. 0 Sec.
Longitude 7750 Feet West of 81 Deg. 40 Min. 0 Sec.

Company: COLUMBIA GAS TRANSMISSION
P. O. BOX 1273
CHARLESTON, WV 25325-1273

Agent: RICHARD L. COTY

Inspector: HOMER DOUGHERTY
Permit Issued: 06/05/98
Well work Commenced: 7/30/98
Well work Completed: 9/2/98
Verbal Plugging
Permission granted on:
Rotary Cable Rig
Total Depth (feet) 4867'
Fresh water depths (ft) 220', 625'

Salt water depths (ft) 1305', 1630'

Is coal being mined in area (Y/N)? N
Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
7"		2036'	
5-1/2"		4762'	
3-1/2"		4835'	200sx

OPEN FLOW DATA

Producing formation Oriskany Storage Pay zone depth (ft) 4859'-4867'
Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow N/A MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure N/A psig (surface pressure) after N/A Hours

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.

For: COLUMBIA GAS TRANSMISSION CORP.
By: [Signature]
Date: 3-5-99

3500476W

8/6/98 Replaced top joint of 3-1/2" casing. Installed API wellhead.

8/28/98 Fractured Oriskany with N2 Assist Delta Frac using 280 bbls of water,
15 MSCF N2, 3800# 20/40 sand at 1 PPG.

07/07/2017

3500476W

7294

7294

47-035-00476-T

7-1933
Company
Address
Farm
Location
Well No.
District
Surface
Mineral
Commenced
Completed
Well shot
Volume
Rock Pressure
Fresh Water
Salt Water

WEST VIRGINIA DEPARTMENT OF I. & C.
OIL & GAS DIVISION
WELL RECORD

United Carbon Company
Box 1913, Charleston 27, W. Va.
J. C. Fisher et al Acres 169
Sandy Creek 1
1 (1199) Elev. 712.3
Rayenswood Jackson County
J. C. Fisher et al, Ravenswood, W. Va.
Date
Aug. 25, 1944
March 26, 1945
Gas Well
1700 lbs. 24 hrs.
220' 9 BPH; 625' 12 BPH
2305' 4PM; 1650-1650 1PM
Case Well
CASING & TUBING
Wood 16
13 3/8 771
10 3/4 1643
8 5/8 1600
7 CH 2036
5 3/16 4762
2 3/8 1867
Casing cemented:
7" 1371
5" 4612'
5 1/2"

Conductor	0	16	Sand	1130	1445
Red Rock	16	100	Slate	1265	1270
Sand	100	120	Sand	1475	1480
Slate	120	150	Slate	1480	1485
Red Rock	150	200	Lime	1485	1490
Sand	200	250	Sand	1490	1500
Slate	250	280	Slate	1500	1505
Red Rock	280	290	Sand	1505	1521
Slate	290	310	Slate	1521	1525
Red Rock	310	325	Lime	1525	1525
Slate	325	325	Sand	1545	1545
Red Rock	325	345	Big Lime	1767	1845
Sand	345	410	Iron Sand	1845	2020
Slate	410	420	Slate &		
Red Rock	420	435	Shells 2030	2350	
Sand	435	485	Shale, Brown 2350	2364	
Red Rock	485	510	Screen Sand 2364	2377	
Slate	510	520	Slate &		
Red Rock	520	545	Shells 2377	3540	
Sand	545	615	Brown Shale & Shells 3540	3640	
Slate Black	615	620	Slate &		
Sand	620	630	Shells 3640	3840	
Slate White	630	641	Shale - Br. 3840	4120	
Sand	641	715	Big White 4120	4500	
Slate Blue	715	735	Shale - Br. 4500	4750	
Red Rock	735	789	Condlifrown		
Slate White	789	790	Lime 4750	4853	
Sand	790	800	Cristobry		
Red Rock	800	810	Sand 4853	4867	
Slate White	810	860	TOTAL DEPTH	4867	
Red Rock	860	875			
Slate White	875	895			
Slate Brown	895	905	Case 1310'		
Sand	905	910	Case 3960' show		
Slate	910	950	Case 235' show		
Red Rock	950	970	Case 4025'		
Slate	970	980	Case 4.63'		
Red Rock	980	990			
Slate White	990	1021			
Slate Black	1021	1030			
Red Rock	1030	1070			
Slate White	1070	1105			
Sand	1105	1125			
Slate White	1125	1195			
Sand	1195	1220			
Slate White	1220	1220			
Slate Black	1220	1295			
Sand	1295	1350			
Slate & Shells	1350	1430	Case 1310'		

7294

Case 1310'
Case 3960' show
Case 235' show
Case 4025'
Case 4.63'

12-5135-54
WORK ORDER

REQUEST NO. 4422 BUDGET NO. 764 WORK ORDER NO. 7482
DATE June 18, 19 54 DATE ISSUED 6-29 19 54

COMPANY United Fuel Gas Company DEPT. Storage DIVISION Clendenin
PROPOSED WORK Recondition Well X-59-7294 and Install Heavier Equipment.

KNOWN AS Well X-59-7294 - Additions. NO. _____ ORIGINAL INSTALLATION DATE _____
PURPOSE AND NECESSITY To clean out well and install heavier equipment due to well being pur-
chased for storage in pool X-59.

LOCATION: Well X-59-7294 - J. C. Fisher
IN Ravenswood Rural Jackson West Virginia
DISTRIBUTION PLANT MAGISTERIAL DISTRICT TAXING DISTRICT COUNTY STATE

RELATED PROJECT WORK ORDER NO. 7481 FOR Well X-59-7294 - Part Removal
APPROVED BY J. C. Martin APPROVED BY J. H. Kime

DETAIL OF EXPENDITURES							
MATERIAL TO BE INSTALLED	UNIT PRICE	SIZE	ESTIMATE		ACTUAL		VARIATION
			QUANTITY	AMOUNT	QUANTITY	AMOUNT	
Steel Tubing 9.2#	.81	3-1/2"	4867'	3,942.00	4982'	4,040.79	98.79
Wall & Anchor Packer		3"x5"		175.00	1	139.90	(35.10)
Orbit Gate Valve-Comp.		3"	1	356.00	1	356.95	.95
Nord Fig. 2349 P. Valve-Comp.		3"	1	288.00	1	294.43	6.43
Welded Tee		3"	1	10.00	-	-	(10.00)
W/N Flanges Ser. 90	16.50	3"	8	132.00	8	162.98	30.98
Anchor Clamps		3"	1	16.00	1	16.15	.15
Turnbuckles	12.00	1-1/2"x1/8"	2	24.00	2	22.26	(1.74)
Fittings				35.00		27.06	(7.94)
TOTAL MATERIAL				4,978.00		5,060.52	82.52
INSTALLATION EXPENSE COST							
Direct Labor				1,500.00		1,388.80	(111.20)
Interest				53.00		15.89	(37.11)
Use of Auto and Hauling				1,000.00		1,127.38	127.38
Tools, Supplies & Misc. Expense				35.00		144.03	109.03
Hauling, Erecting and Dismantling Spudder				350.00		-*	(350.00)
Cement & Services				2,000.00		701.40	(1,298.60)
Fuel				35.00		16.00	(19.00)
Torpedo Service				125.00		149.75	24.75
Stores Expense & Freight				538.00		538.93	.93
Labor Benefits and Non-Productive Time				281.00		252.84	(28.16)
Administrative and General Labor Overheads				48.00		40.91	(7.09)
TOTAL INSTALLATION EXPENSE COST				5,965.00		4,375.93	(1,589.07)
TOTAL ESTIMATE				10,943.00		9,436.45	(1,506.55)

INDICATE NORTH SKETCH (CORRECT TO ACTUAL) INVENTORY MAP NO. F-16/58-95
Map Square - 58-95

Note: Move in Bucyrus Erie Spudder and string of cleaning out tools. COMP. 0
Clean well out and run string of 3-1/2" tubing on wall and anchor packer. Cement between all strings of casing and 3-1/2" tubing to surface. Install heavy well fittings and report results.

* Included in Direct Labor and use of automobile

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WV Department of
Environmental Protection

[Signature]
07/07/2017

2-764-7482

WELL WORK ORDER

3500476W

DATE ISSUED May 7, 19 51 BUDGET NO. _____ WORK ORDER NO. _____
 COMPANY United Fuel Gas Company FIELD Glendenin
 FARM J. C. Fisher LEASE NO. _____ ACRES 169
 WELL NO. 1199 7294 DISTRICT Ravenswood COUNTY Jackson STATE W. Va.
 ON WATERS Sandy Creek MAP SQUARE _____
 LOCATION MADE BY United Carbon Co. DATE _____ 19 _____ NOTE BOOK _____ PAGE _____
 COAL _____ NO BUILDINGS WITHIN _____ FEET _____
 LEASE EXPIRES _____ 19 _____ CLASS OF LOCATION _____
 PURPOSE AND NECESSITY Purchase well from United Carbon Co. for storage in Pool X-59.
 RELATED WORK ORDER NOS. _____ FOR _____

DATA AND APPROVALS

CHECK TYPE OF WORK	CHECK PERMITS OR SERVICES REQUIRED
Purchase DRILL 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 4867 FEET, SAND Oriskany DRILLING CONTRACTOR United Carbon Co.
 COMPANY WILL FURNISH: RIG: YES NO WATER: YES NO FUEL: YES NO

APPROVALS

SUPT. _____ DATE _____ 19 _____
 DIVISION SUPT. _____ DATE _____ 19 _____ PROD. MGR. _____ DATE _____ 19 _____
 ENGINEER _____ DATE _____ 19 _____ 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 INSTALLED - RETIRED	SIZE	QUANTITY	PRICE	AMOUNT	SIZE	QUANTITY	PRICE	AMOUNT	
CASING	WEIGHT 22#	7"	2036'	1.67					
"	" 17#	5"	4762'	1.33					
"	" 4.6#	2-3/8"	4867'	.43					
TUBING	WEIGHT								
FITTINGS									
Kerotest Xmas Tree			1	750.00					
Casing Shoe		7"	1	23.21					
Casing Shoe		5"	1	18.75					
Closing Tool		2-3/8"	1	97.00					
TOTAL MATERIAL									
INSTALLATION OR RETIREMENT COST				X X X X X				X X X X X	X X X X X
LABOR				2,500.00					
USE OF AUTO AND HAULING				3,000.00					
RIGHT OF WAY									
DRILLING	<u>4867</u>	FEET	@ <u>4.75</u>	PER FOOT	<u>23,118.25</u>				
HAULING, ERECTING AND DISMANTLING RIG									
USE OF RIG									
FUEL				250.00					
Cement & Services				500.00					
TORPEDO									
SUPPLIES AND EXPENSE				100.00					
RECEIVED Office of Oil and Gas									
JUN 7 2017									
ENGINEERING DEPARTMENT SURVEY									
WV Department of Environmental Protection									
STORES EXPENSE AND FREIGHT									
LABOR BENEFITS OVERHEADS									
ADMINISTRATIVE OVERHEADS									
TOTAL INSTALLATION OR RETIREMENT COST									
TOTAL ESTIMATE									

07/07/2017

WORK ORDER REQUEST

3500476W

REQUEST NO. 4421

BUDGET NO. _____ WORK ORDER NO. _____

DATE June 18, 19 54

DATE ISSUED _____ 19 _____

COMPANY United Fuel Gas Company

DEPT. Production

DIVISION/DISTRICT Clendenin

PROPOSED WORK Pull string of 2" tubing, and remove well fittings.

KNOWN AS Well X-59-7294 - Part Removal.

NO. _____ ORIGINAL INSTALLATION DATE _____

PURPOSE AND NECESSITY To remove material in order to recondition well for storage in Pool X-59.

LOCATION: Well X-59-7294 - J. C. Fisher

IN Ravenswood Rural Jackson W. Va.
TOWN TAX DISTRICT TOWNSHIP OR DISTRICT COUNTY STATE


RELATED PROJECT-REQUEST NO. 4422 FOR Well X-59-7294 - Additions.

DETAIL OF ESTIMATE					DATA AND APPROVALS	
MATERIAL TO BE INSTALLED/RETIRED	SIZE	QUANTITY	PRICE	AMOUNT		
<u>4.6# Steel Tubing - Sal.</u>	<u>2-3/8"</u>	<u>4867'</u>			CHECK TYPE OF WORK	
<u>Kerotest Xmas Tree -J.</u>	<u>7"</u>	<u>1</u>			ADDITION <input type="checkbox"/> RETIREMENT <input checked="" type="checkbox"/> REPLACEMENT <input type="checkbox"/>	
<u>Closing Tool -J.</u>	<u>2-3/8"</u>	<u>1</u>			CHECK BELOW PERMITS AND SPECIAL SERVICES REQUIRED:	
					RAILROAD CROSSING PERMIT <input type="checkbox"/> SURVEY <input type="checkbox"/>	
					BRIDGE CROSSING PERMIT <input type="checkbox"/> RIGHT OF WAY <input type="checkbox"/>	
					HIGHWAY PERMIT <input type="checkbox"/> LEASE <input type="checkbox"/>	
					BUILDINGS ON PROPOSED EXTENSION _____ NEW CONSUMERS _____	
					WORK WILL BE STARTED <u>June</u> 19 <u>54</u>	
					WORK WILL BE FINISHED <u>July</u> 19 <u>54</u>	
					FIELD ESTIMATE	
					BY _____ 6/18/ 19 <u>54</u>	
					GEN'L OFFICE VERIFICATION	
					BY _____ 19 _____	
					APPROVALS	
					APPROVED _____ 19 _____	
					_____ 19 _____	
					_____ 19 _____	
					_____ 19 _____	
					_____ 19 _____	
					BUDGET APPROPRIATION	
					VERIFIED _____ 19 _____	
					APPROVED TREASURY DEPT. _____ 19 _____	
					_____ 19 _____	

INDICATE NORTH _____ SKETCH _____ INVENTORY MAP NO. _____
 Map Square - 58-95

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 Environmental Protection

07/07/2017





STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Ripley

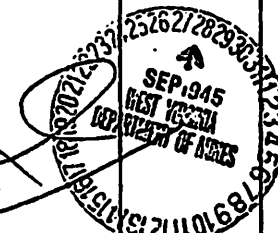
WELL RECORD

Permit No. JAC-476

Oil or Gas Well Gas
(FINS)

Company <u>United Carbon Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>Box 1913, Charleston 27, W. Va.</u>	Size			
Farm <u>J. C. Fisher et al.</u> Acres <u>169</u>	<u>10 (Wood)</u>	<u>16'</u>	<u>16'</u>	Kind of Packe
Location (waters) <u>Sandy Creek</u>	<u>13 3/8"</u>	<u>771'</u>	<u>00</u>	Size of
Well No. <u>1 (1199)</u> Elev. <u>712.3'</u>	<u>10 3/4"</u>	<u>1045'</u>	<u>00</u>	Depth set
District <u>Ravenswood</u> County <u>Jackson</u>	<u>8 5/8"</u>	<u>1600'</u>	<u>00</u>	Perf. top
The surface of tract is owned in fee by <u>J. C. Fisher et al.</u>	<u>6 7/8" ROD</u>	<u>2036'</u>	<u>2036'</u>	Perf. bottom
Address <u>Ravenswood, W. Va.</u>	<u>5 3/16</u>	<u>4762'</u>	<u>4762'</u>	Perf. top
Mineral rights are owned by <u>Same</u>				Perf. bottom
Address _____				
Drilling commenced <u>August 25, 1944</u>				
Drilling completed <u>March 26, 1945</u>				
Date Shot <u>Not shot</u> From _____ To _____				
With _____				
Open Flow _____ /10ths Water in _____ Inch				
_____ /10ths Merc. in _____ Inch				
Volume _____ <u>Gas well</u> _____ Cu. Ft.				
Rock Pressure <u>1720</u> lbs <u>24</u> hrs.				
Oil _____ bbls. 1st 24 hrs.				
Fresh water <u>220</u> feet <u>625</u> feet				
Salt water <u>1305</u> feet <u>1630-1650</u> feet				
	CASING CEMENTED <u>7"</u> SIZE <u>1371</u> No. Ft. _____ Date _____			
	<u>8 5/8"</u> <u>4612'</u>			
	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES FEET _____ INCHES			
	_____ FEET _____ INCHES FEET _____ INCHES			

Formation	Color	Hard or S. ft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Conductor			0	16			
Red Rock			16	100			
Sand			100	120			
Slate			120	150			
Red Rock			150	220			
Sand			220	250	Water	220'	9 B P Hr.
Slate			250	280			
Red Rock			280	290			
Slate			290	310			
Red Rock			310	335			
Slate			335	355			
Red Rock			355	385			
Sand			385	410			
Slate			410	420			
Red Rock			420	439			
Sand			439	485			
Red Rock			485	510			
Slate			510	520			
Red Rock			520	545			
Sand			545	615			
Slate	Black		615	620	Water	625'	12 B P Hr.
Sand			620	630			
Slate	White		630	664			
Sand			664	715			
Slate	Blue		715	735			
Red Rock			735	769			
Slate	White		769	780			
Sand			780	800			
Red Rock			800	840			
Slate	White		840	860			
Red Rock			860	875			
Slate	White		875	895			
Slate	Brown		895	905			
Sand			905	910			
Slate			910	950			
Red Rock			950	970			
Slate			970	980			
Red Rock			980	990			
Slate	White		990	1023			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Feet	Remarks
Slate	Black		1023	1030			
Rock	Pink		1030	1050			
Slate	White		1050	1185			
Sand			1125	1195			
Slate	White		1195	1215			
Sand			1215	1220			
Slate	White		1220	1280			
Slate	Black		1280	1295			
Salt Sand			1295	1360	Water	1305'	Hole full
Slate & Shells			1360	1430	Gas	1310'	
Sand			1430	1465			
Slate			1465	1470			
Sand			1470	1480			
Slate			1480	1485			
Lime			1485	1490			
Sand			1490	1500			
Slate			1500	1505			
Sand			1505	1524			
Slate			1524	1560			
Lime			1560	1585			
Sand			1585	1767	Water Sand	1630-1650'	Hole full
Big Lime			1767	1845			
Injun Sand			1845	2020			
Slate & Shells			2020	2350			
Shale	Brown		2350	2364			
Berea Sand			2364	2377			
Slate & Shells			2377	3540			
Brown Shale & Shells			3540	3640			
Slate & Shells			3640	3840			
Shale	Brown		3840	4120	Gas	3960'	Show.
Big White			4120	4500			
Shale	Brown		4500	4750			
Corniferous Lime			4750	4853	Gas	4853'	Show
Oriskany Sand			4853	4867	Gas	4858'	
					Gas	4865'	
TOTAL DEPTH				4867'			

Date _____, 191__

APPROVED UNITED CARBON COMPANY Owner

By *C. J. Wilbur*
General (Title) Superintendent

07/07/2017

35004764

7294
7-1961

WEST VIRGINIA DEPARTMENT OF AGRICULTURE
OIL & GAS DIVISION
WELL RECORD

Gas Well
CASING & TUBING

Company	United Carbon Company		
Address	Box 1913, Charleston 27, W. Va.	Wood	16
From	J. C. Fisher et al. Acres 149	13 3/8	771
Location	Sandy Creek	10 3/4	1015
Well No.	1 (1199) Elev. 712.3	8 5/8	1600
District	Havenwood Jackson County	7 00	2036
Surface	J. C. Fisher et al., Havenwood, W. Va.		
Mineral	Same	5 3/16	4762
Commenced	Aug. 25, 1941	2 3/8	4867
Completed	March 29, 1945		
Est. shot			
Volume	Gas Well		
Bottom Pressure	1720 lbs. 26 hrs.	7" 1371	
Fresh Water	220' 9 MPN; 625' 12 MPN	8 1/2" 4612'	
Salt Water	1305' MPN; 1430-1490 MPN	5 1/2"	

Casing cemented:
7" 1371
8 1/2" 4612'
5 1/2"

Conductor	0	14	Sand	1430	1465
Red rock	14	100	Slate	1465	1470
Sand	100	120	Sand	1470	1480
Slate	120	150	Slate	1480	1485
Red rock	150	200	Lime	1485	1490
Sand	200	220	Sand	1490	1500
Slate	220	280	Slate	1500	1505
Red rock	280	300	Sand	1505	1524
Slate	300	320	Slate	1524	1540
Red rock	320	350	Lime	1540	1545
Sand	350	375	Sand	1545	1567
Red rock	375	390	Sh. Lime	1567	1645
Sand	390	420	Upper Sand	1645	2000
Slate	420	430	Slate 4		
Red rock	430	435	Shale 2020		2350
Sand	435	440	Shale, brown 2350		2364
Red rock	440	450	Lower Sand	2364	2377
Slate	450	460	Slate 5		
Red rock	460	465	Shale 2377		3540
Sand	465	475	Green Shale		
Slate - black	475	480	& Shale 3540		3640
Sand	480	490	Slate 6		
Slate - white	490	500	Shale 3640		3840
Sand	500	515	Shale - Br. 3840		4120
Slate - blue	515	525	Big White	4120	4500
Red rock	525	529	Shale - Br. 4500		4750
Slate - white	529	540	Coniferous		
Sand	540	550	Lime	4750	4853
Red rock	550	560	Oriskany		
Slate - white	560	565	Sand	4853	4857
Red rock	565	575	TOTAL DEPTH		4867
Slate - white	575	575			
Slate - brown	575	575	Gas 1310'		
Sand	575	595	Gas 2960' show		
Slate	595	595	Gas 4853' show		
Red rock	595	570	Gas 4750'		
Slate	570	570	Gas 4865'		
Red rock	570	570			
Slate - white	570	1002			
Slate - black	1002	1000			
Rock - pink	1000	1000			
Slate - white	1000	1105			
Sand	1105	1125			
Slate - white	1125	1215			
Sand	1215	1220			
Slate - white	1220	1220			
Slate - black	1220	1225			
Salt Sand	1225	1300			
Slate & Shale	1300	1430			

7294
[Handwritten Signature]

07/07/2017
1-1961

WW-2A
(Rev. 6-14)

RECEIVED
Office of Oil and Gas

JUN 7 2017

WV Department of
Environmental Protection

1.) Date: 4/12/2017
2.) Operator's Well Number Riplev 7294
State 47- County 035 Jackson Permit 00476
3.) API Well No.: 47-035 Jackson - 00476

**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 David W. & Marcella R. Curry Address 259 Crooked Run Rd Ravenswood, WV 26164
(b) Name _____ Address _____
(c) Name _____ Address _____
5) (a) Coal Operator Name _____ Address _____
(b) Coal Owner(s) with Declaration Name _____ Address _____
(c) Coal Lessee with Declaration Name _____ Address _____
6) Inspector Jamie Stevens Address 105 Kentuck Rd Kenna, WV 25248 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)

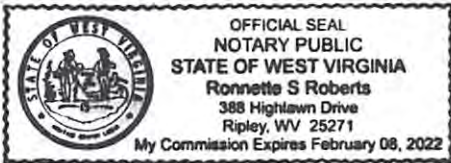
I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties by:

- Personal Service (Affidavit attached)
- 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 Engineer
Address: 48 Columbia Gas Rd Sandville, WV 25275
Telephone: 304-373-2412
Email: james_amos@transcanada.com

Subscribed and sworn before me this 1st day of June, 2017, 00476

Ronnette S Roberts

Notary Public

My Commission Expires Feb 8, 2022

Oil and Gas Privacy Notice

**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
Ralph and Ruth C. Fisher	Columbia Gas Transmission, LLC	Storage lease 1052510-000	84/251; 84/289
Allie Fisher	Columbia Gas Transmission, LLC	Storage lease 1052510-000	84/251; 84/289
Vernon and Bobbi Fisher	Columbia Gas Transmission, LLC	Storage lease 1052510-000	84/251; 84/289
Warren and Genevieve Fisher	Columbia Gas Transmission, LLC	Storage lease 1052510-000	84/251; 84/289

**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

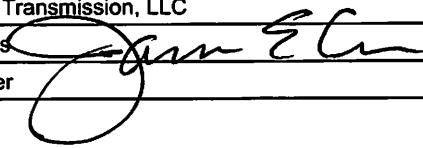
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WV Department of
Environmental Protection

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
 James E. Amos 
 Senior Engineer

07/07/2017

WW-2B1
(5-12)

Well No. Ripley 7294

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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Environmental Protection

07/07/2017

WW-9
(5/16)

JUN 7 2017

API Number 47 - 035 - 00476
Operator's Well No. Ripley 7294

WV Department of
Environmental Protection

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) Cherrycamp Run of 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)
- Undergound 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 _____)

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 James E. Amos

Company Official (Typed Name) James E. Amos

Company Official Title Senior Well Services Engineer

Subscribed and sworn before me this 1st day of June, 20 17

Ronnette S Roberts Notary Public

My commission expires Feb. 8, 2022



Proposed Revegetation Treatment: Acres Disturbed < 0.2 Prevegetation pH 6 - 7

Lime 2 Tons/acre or to correct to pH 7 - 8

Fertilizer type 10-10-10

Fertilizer amount 600 lbs/acre

Mulch straw @ 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
<u>Annual Rye</u>	<u>40</u>	<u>Orchard Grass and/or Tall Fescue</u>	<u>29</u>
		<u>Birdsfoot Trefoil (Empire)</u>	<u>9</u>
		<u>Annual Rye</u>	<u>12</u>

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

Comments: _____

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WV Department of
Environmental Protection

Title: Jamie Stevens

Date: 5/31/2017

Field Reviewed? () Yes () No

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): Cherrycamp Run of Sandy Creek Quad: Sandyville, WV
Farm Name: Fisher, Ralph

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. Fuel, oil, and lubricants will be stored on site, but located within secondary containment. Spills from construction equipment, well treatment fluids, and produced well fluids are the only possible source of contamination to groundwater. Drilling and flowback fluids to be stored in tanks.

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.

Cherrycamp Run is approximately 480 ft to the W.

The closest Well Head Protection Area is 3.8 miles from ZPC (WVSID WV3301811 - City of Ripley). Refer to enclosed assessment letter dated 1/5/17 from Department of Health and Human Resources, Source Water Assessment and Protection department.

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

N/A

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WV Department of
Environmental Protection

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

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 spill.

Signature: *Jam E Am*

Date: 4/12/17

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JUN 7 2017
WV Department of
Environmental Protection

07/07/2017



STATE OF WEST VIRGINIA
DEPARTMENT OF HEALTH AND HUMAN RESOURCES
BUREAU FOR PUBLIC HEALTH
OFFICE OF ENVIRONMENTAL HEALTH SERVICES

Earl Ray Tomblin
Governor

Karen L. Bowling
Cabinet Secretary

January 05, 2017

William Timmermeyer
CESSWI
Natural Resource Permitting Principal
TransCanada | Columbia Pipeline Group
1700 MacCorkle Ave., SE
Charleston, WV 25314

Re: SWAP Information Request –

Dear Mr. Timmermeyer:

In response to the informational request dated January 4, 2017 concerning the closest Protection Areas to the indicated **seven (7) wells**, we have found the following:

ID	Well Name	Distance	PWSID	System Name
1	Coco A well 7106	within the ZPC	WV3302016	WVAWC KANAWHA VALLEY DIST
2	Glady well 7464/Glady well 7465/Glady well 7467/Glady well 12371	1 mile from WHPA	WV9942049	USFS MIDDLE MOUNTAIN CABINS - HP
		6.2 from ZCC	WV3304202	TOWN OF BEVERLY
		7.0 miles from ZPC	WV3304202	TOWN OF BEVERLY
3	Ripley well 7294	3.8 miles from ZPC	WV3301811	CITY OF RIPLEY
		5 miles from ZCC	WV3301811	CITY OF RIPLEY
		5 miles from WHPA	WV3301810	RAVENSWOOD MUNICIPAL WATER
4	Rockport well 7240	0.7 miles from ZPC	WV3305402	CLAYWOOD PARK PSD

We are now putting up all of our active protection areas for download at this location, https://www.wvdhhr.org/oehs/eed/swap/GISTA_Downloads.asp.

We do not have information regarding private drinking wells in the area. I suggest you contact the county health department for this information.

I hope the information provided helps you with the completion of your project. If you have any questions, please do not hesitate to contact me at (304) 356-4309.

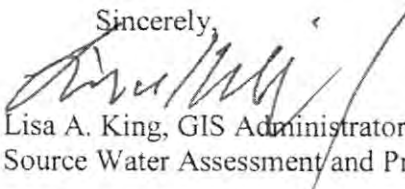
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Environmental Protection

CC: William J. Toomey

Sincerely,


Lisa A. King, GIS Administrator
Source Water Assessment and Protection

WV DEP Reclamation Plan - Overview

Ripley Well 7294 (API 035-00476)

- 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

Cherry Camp Run Road

existing stream ford

existing access road

Ripley - 07294

existing access road

Driving Directions

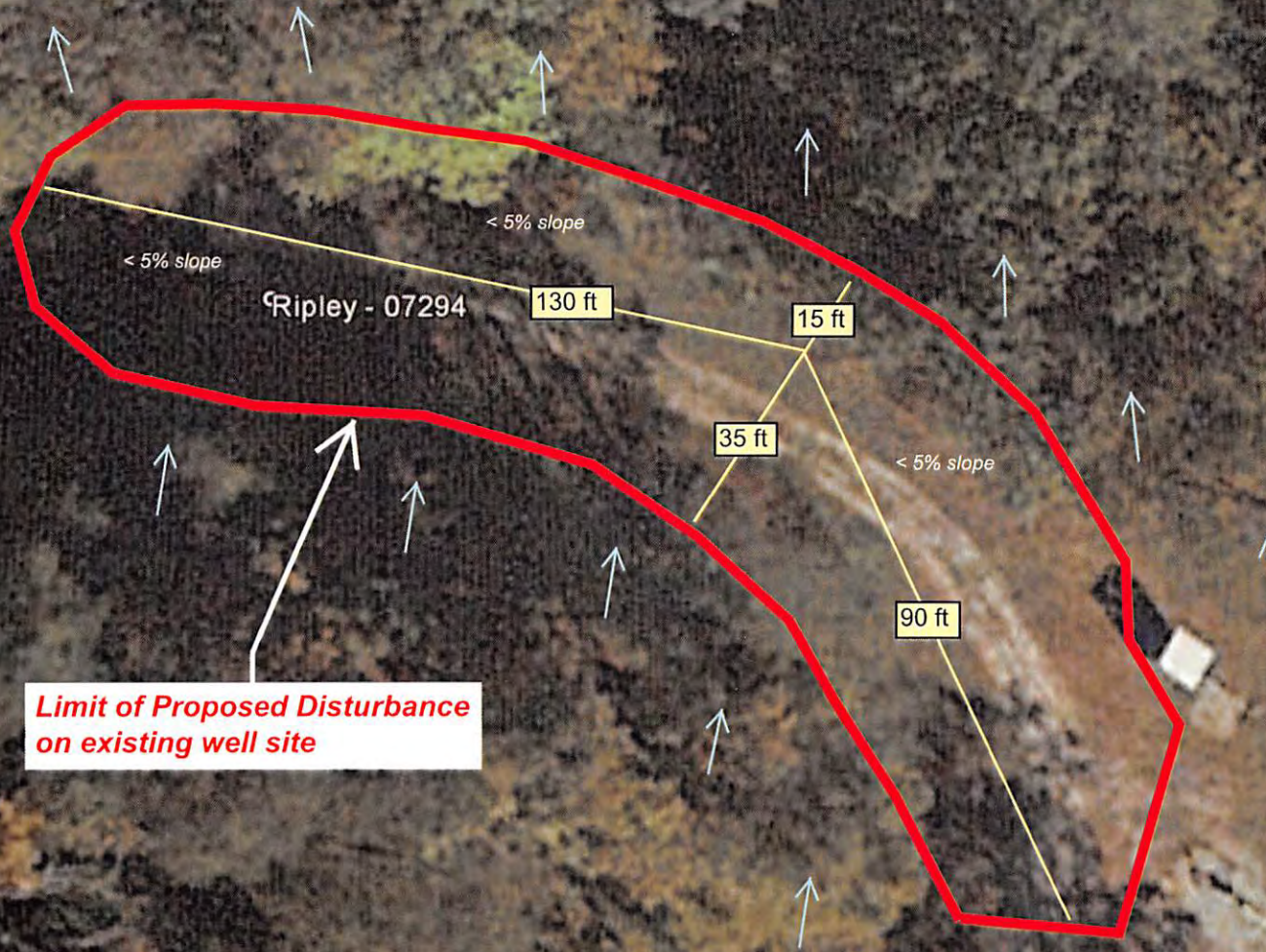
- I-77 to Silverton-Ravenswood exit
- East on Old WV Rt 56
- 3.2 miles turn right on Rt 21 (Parkersburg Road)
- 0.9 miles turn right on Co Rd 12 (Crooked Run Road)
- 1.2 miles turn left on Cherry Camp Run Road
- 0.6 miles turn left on to access road
- 0.35 miles to well site



WV DEP Reclamation Plan - Site Detail

Ripley Well 7294 (API 035-00476)

- 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



Limit of Proposed Disturbance on existing well site



35 004762

3500476 W

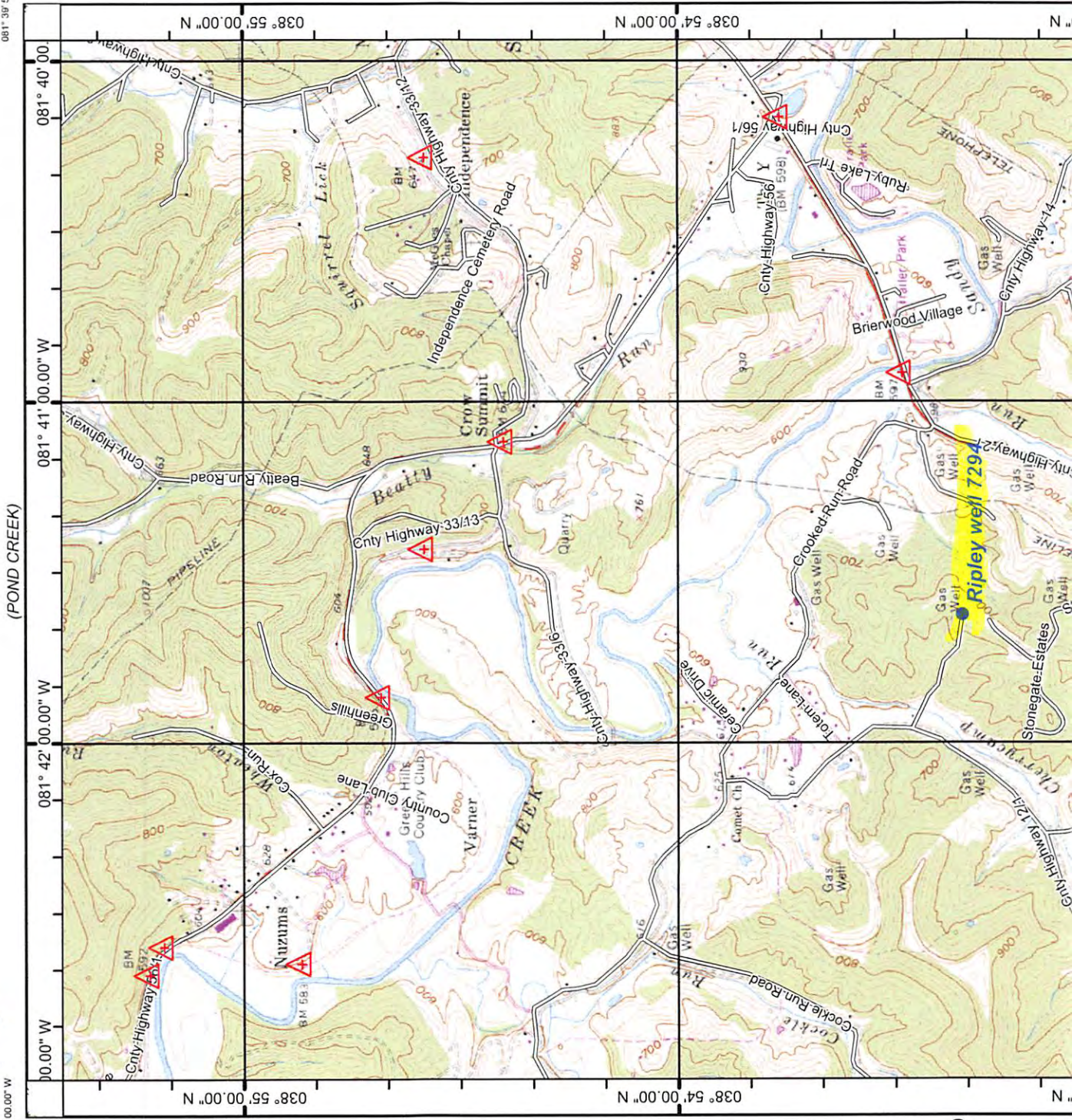


SANDYVILLE QUADRANGLE
WEST VIRGINIA
TOPOGRAPHIC SERIES

(PORTLAND)

(ROCKPORT)

081° 43' 00.00" W 081° 39' 55.99" W
038° 55' 25.34" N 038° 55' 25.34" N

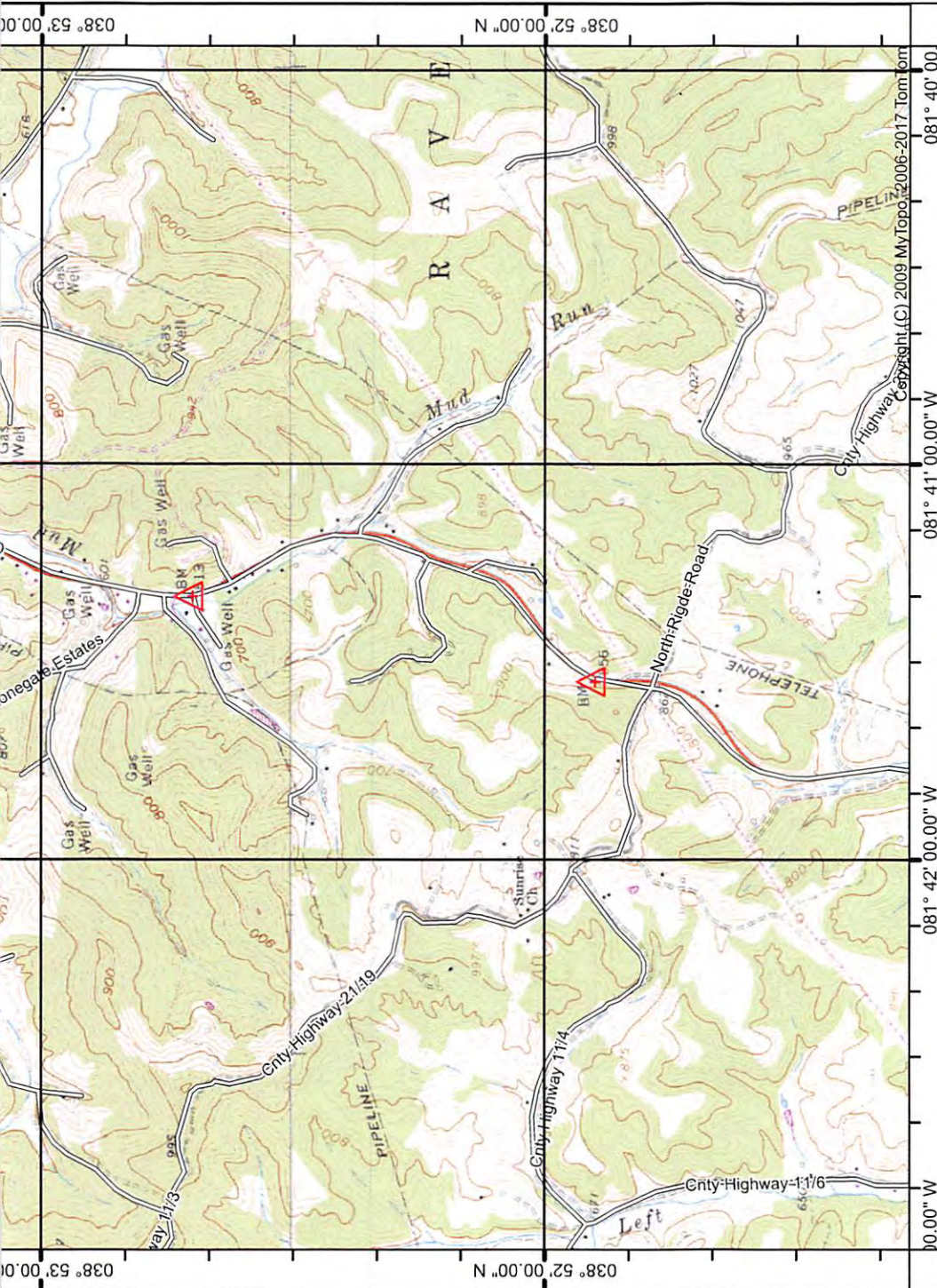


(RAVENSWOOD)

(LIVERPOOL)

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WV Department of
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JUN 7 2017

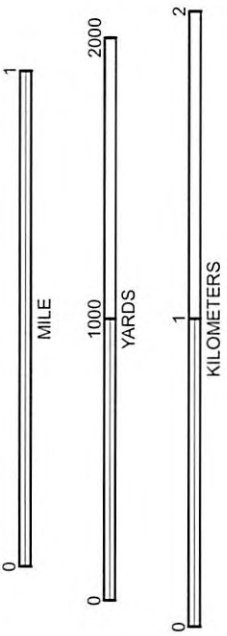
07/07/2017



038° 53' 00.00" N
 038° 52' 00.00" N
 038° 51' 16.22" N
 081° 43' 00.00" W
 081° 42' 00.00" W
 081° 41' 00.00" W
 081° 40' 00.00" W
 081° 39' 55.96" W
 081° 38' 51' 16.22" N

(COTTAGEVILLE)

(RIPLEY)
 SCALE 1:24000



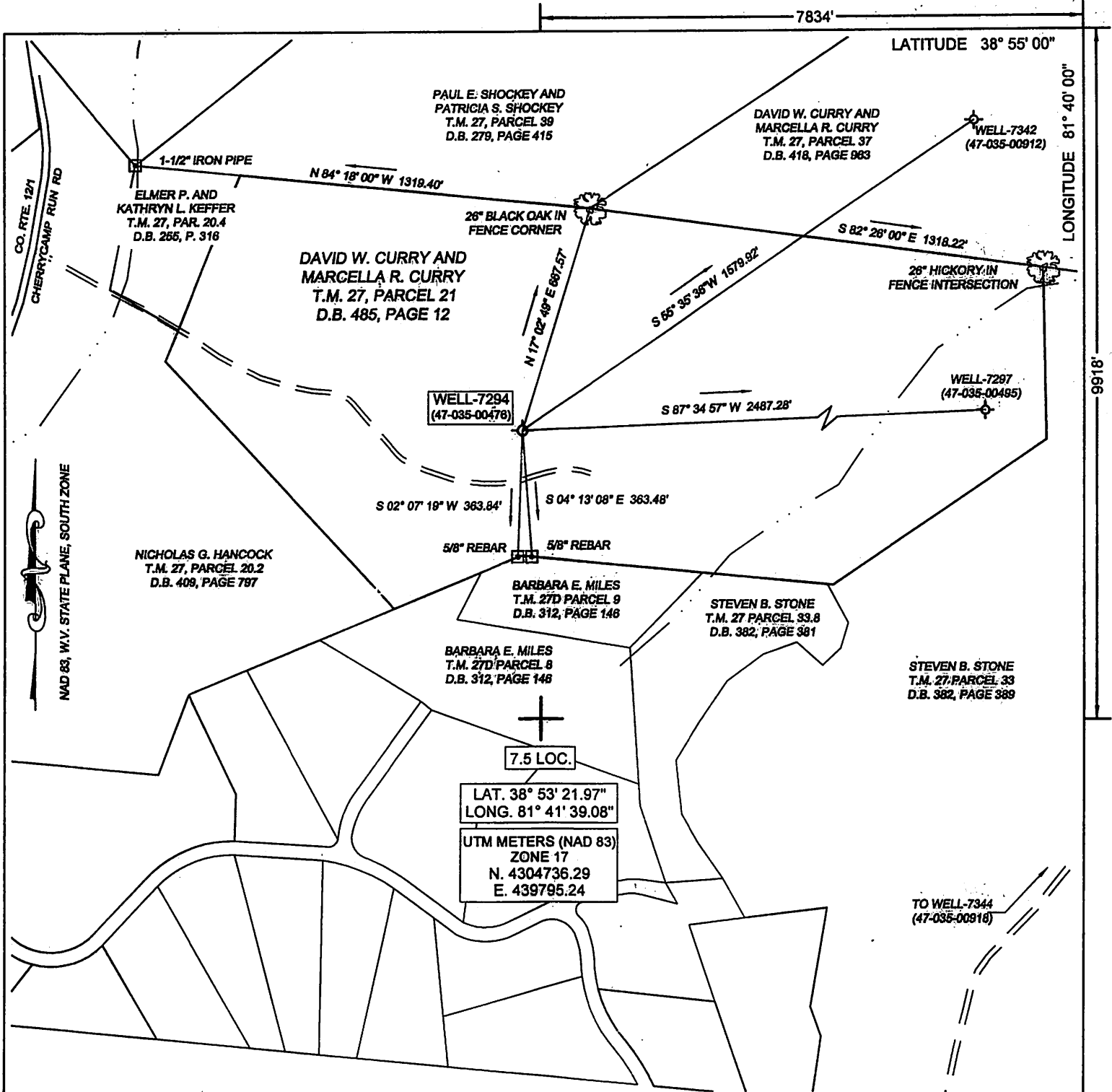
Produced by MyTopo Terrain Navigator
 Topography based on USGS 1:24,000 Maps
 North American 1983 Datum (NAD83)
 Polyconic Projection

To place on the predicted North American 1927 move the
 projection lines 9M N and 13M E

07/07/2017

SANDYVILLE, WV
 1960

(GAY)



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

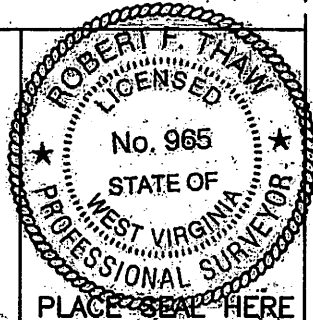
FILE No 1701-2345-001-004
 DRAWING No. RIPLEY-7294
 SCALE 1"=400'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION TRIMBLE R8-3
GPS UNIT

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)

ROBERT F. THAW

PS #965



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



DATE FEBRUARY 20 2017
 OPERATOR'S WELL No. 7294
 API WELL No.

NITRO, WV
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 710.0' WATER SHED CHERRYCAMP RUN OF SANDY CREEK
 DISTRICT RAVENSWOOD COUNTY JACKSON
 QUADRANGLE SANDYVILLE, WV

SURFACE OWNER DAVID W. AND MARCELLA R. CURRY ACREAGE 58 +/-
 OIL & GAS ROYALTY OWNER RALPH A. FISHER LEASE ACREAGE 58
 LEASE No. 1052510

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

07/07/2017

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 4853
 WELL OPERATOR COLUMBIA GAS TRANSMISSION, L.L.C. DESIGNATED AGENT PAUL AMICK
 ADDRESS PO BOX 1273, CHARLESTON, WV 25325-1273 ADDRESS P.O. BOX 1273, CHARLESTON W.V. 25325-1273

FORM IV-6 (8-78)