



west virginia department of environmental protection

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

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

Thursday, May 13, 2021
WELL WORK PLUGGING PERMIT
Vertical Plugging

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

Re: Permit approval for RIPEY 7289
47-035-00529-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0450.

A blue ink signature of James A. Martin.

James A. Martin
Chief

Operator's Well Number: RIPEY 7289
Farm Name: HENRICH, KRISTINA (FKA ♀)
U.S. WELL NUMBER: 47-035-00529-00-00
Vertical Plugging
Date Issued: 5/13/2021

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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. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

05/14/2021

1) Date 12/24, 2020
2) Operator's
Well No. Ripley 7289
3) API Well No. 47-035 - 00523

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil ___/ Gas ___/ Liquid injection ___/ Waste disposal ___/
(If "Gas, Production ___ or Underground storage) Deep / Shallow ___

5) Location: Elevation 748 feet Watershed Sycamore Creek
District Ripley County Jackson Quadrangle Ripley

6) Well Operator Columbia Gas Transmission LLC 7) Designated Agent James Amos
Address 1700 MacCorkle SE Address 48 Columbia Gas Road
Charleston, WV 25325 Sandyville, WV 25275

8) Oil and Gas Inspector to be notified Name Joe Taylor
Address 1478 Claylick Road
Ripley, WV 25271
9) Plugging Contractor Name Contractor Services Inc.
Address 929 Charleston Road
Spencer, WV 25276

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

Refer to enclosed:

- 1) Well job plan.
- 2) Prior to P&A wellbore schematic.
- 3) Proposed P&A wellbore schematic.

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Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector



Date

12-25-20

Objective: Plug and Abandon LAST PROFILE UPDATE:

TITLE: Plug and Abandon WORK TYPE: WR

FIELD: Ripley WELL: 7289

STATE: WV SHL (Lat/ Long) API:

DIST: BHL (Lat/Long) CNTY:

EXISTING TUBULAR CONFIGURATION	OD (inches)	WEIGHT (PPF)	GRADE	THREAD	DEPTH (ft)		FORMATION: Oriskany See below.
					TOP	BOTTOM	

Conductor							PAY:	ELEVATIONS	
Surface							DEPTH:		TMG:
Intermediate1							TD:		KB-RF:

Intermediate2							PBTD:	GL:
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Production							KB-GL:	
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Tubing							CSG	DEPTH	WELLBORE SCHEMATIC
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Perforations									
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Perforations									
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Perforations									
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Wellhead									
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D.H. EQUIPMENT	TYPE	DEPTH (ft)
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PACKER INFO:	Upper	
	Lower	

NIPPLE PROFILE INFO:	Upper	
	Lower	

SSSV INFO:		
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CEMENT INFO	TOC (ft)
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MISC INFORMATION

REFER TO WELL SUMMARY REPORT and WELLBORE DIAGRAM

PROPOSED YEAR: 2020	ERCB PERMIT REQD: YES___ NO_X___	(Internal) PDS Required: YES___ NO___
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PREPARED BY: Jim Amos	DT. APPLIED: ISSUED:	APPROVED: 
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PREP DATE: 12/21/2020	REVIEWED BY:	James Amos Principal Engineer Signed by: 83aa62d7-b683-404d-8328-f042f2e33502
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47035005299

Objective: Plug and Abandon

LAST PROFILE UPDATE:

TITLE: Plug and Abandon	WELL: 7289	WORK TYPE: WR
FIELD: Ripley	SHL (Lat/Long): 0 0	API: 0
STAT: WV	BHL (Lat/Long): 0 0	CNTY: 0
TWP: 0		

PROCEDURE

****Note: All cement used will be Class A, slurry weight 15.6ppg, slurry yield 1.18 cuft/sk. All spacers will be 6% Bentonite gel****

- 1 Obtain State plugging permit, FERC authorization, EM&CP, pipeline crossing evaluation, call before you dig, etc. Prepare site specific SPCC.
- 2 Notify landowner.
- 3 Obtain General Work Permit and Wellsite Review & Turnover Form from Operations.
- 4 Notify environmental inspector prior to beginning work.
- 5 Notify State O&G inspector prior to beginning work.
- 6 Disconnect well line.
- 7 Install ECD's per EM&CP.
- 8 Prepare access road and well site.
- 9 Document casing and annular pressures.
- 10 Blow down all annuli, replace fittings as needed, and leave annuli open to atmosphere for monitoring.
- 11 Kill well with viscosified fluid. Spearhead 10 bbl LCM ahead.
- 12 Fill 3x7, 7x8, and 8x10 annuli with kill fluid. Fill all remaining annuli with FW. Document volumes.
- 13 Dig around base of wellhead to uncover casing tops and remove cement if present.
- 14 MIRU service rig.
- 15 Stack a second 3-1/8" 5K gate valve on top of the flow cross and NU 3-1/8" manual BOPE (pipe + pipe).
- 16 Function and pressure test BOPE to low (250 psig) and high (2500 psig).
- 17 TIH w/ 1-3/4" workstring with cut-lip shoe and wash to TD.
- 18 Pump balanced cement plug from TD to 4400 ft.
- 19 POOH to above cement, reverse circulate to clean tubulars, pull 10 joints, close pipe rams, and WOC.
- 20 WOC minimum 8 hours. RIH and tag cement. If cement top is deeper than 4800' then spot a second balanced cmt plug.
- 21 Install 3-1/2" CIDBP above cement plug.
- 22 Top off 3-1/2" with kill fluid and perform 500 psig pressure test to verify integrity of BP.
- 23 ND BOPE.
- 24 Weld pulling nipples on 3-1/2" tbg stub and pull seals/slips.
- 25 Weld pulling nipple on 7" csg stub and dress top of 8-5/8" to accommodate BOPE.
- 26 Strip 11" BOPE (blind + pipe rams + annular) over stubs and NU on 8-5/8" csg. Will need kill/choke outlets below blind rams.
- 27 Function test and pressure test pipe rams low (250 psig) and high (2000 psig).
- 28 Wireline freepoint 3-1/2" tubing and consult with WET engineer to determine next Steps.
* It's possible that 3-1/2" tbg is cemented inside 7" csg and both may move. If so consider cutting both strings and pulling. Consult with WET engineer.

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If freepoint is deeper than 2200' proceed to Step 30. If freepoint is shallower than 2200' jump to Step 60.

- 30 Sand cut both 3-1/2" and 7" casings at freepoint depth.
- 31 Pull up 5 ft to separate casing and circulate kill fluid to surface - circulate until clean and kill fluid density returns to surface.
- 32 Pull 3-1/2" and 7" casings together.
- 33 RIH with 1-3/4" work string and install balanced cement plugs from BP to 2150'.
- 34 WOC 6 hours and tag plug. Report to WET engineer.
- 35 ND BOPE.
- 36 Weld pulling nipple on 8-5/8" csg stub
- 37 Dress top of 10-3/4" to accommodate BOPE.
- 38 Strip 11" spool (with kill/choke outlets) and 11" annular BOP.
- 39 Function test and pressure test pipe rams low (250 psig) and high (500 psig).
- 40 Attempt to pull all 8-5/8" casing. If can't pull, wireline freepoint and cut/pull all that is free.
- 41 TIH w/2-3/8" workstring.
- 42 Spot balanced cement plug from top of last cement plug to 900 ft.
- 43 POOH to above cement, reverse circulate to clean tubulars, pull 5 joints, and WOC.
- 44 WOC minimum 4 hours. RIH and tag cement. If cement top is less than 100' from top of 8-5/8" csg stub install second cement plug.
- 45 ND BOPE.
- 46 Attempt to pull all 13-3/8" casing. Report to WET engineer.
- 47 Wireline freepoint 10-3/4" casing. Report to WET engineer.
- 48 Will either perf/squeeze or cut/pull casings.
- 49 Install cement from top of last cement plug to surface.
- 50 Grout all annuli as deep as possible.
- 51 RDMO service rig.
- 52 Erect monument per state regulations. Reclaim location and lease road.
- 53 P&A complete.

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[Handwritten Signature]
12-27-20

05/14/2021

WELL JOB PLAN		Well Engineering & Technology		PAGE 3	DATE JOB PREPARED: 12/21/2020
Objective: Plug and Abandon				LAST PROFILE UPDATE:	
TITLE: Plug and Abandon			WORK TYPE: WR		
FIELD: Ripley	WELL: 7289				
STAT: WV	SHL (Lat/Long):	0 0	API:	0	
TWP: 0	BHL (Lat/Long):	0 0	CNTY:	0	

PROCEDURE CONTINUED (PAGE 2)

If freepoint is shallower than 2200' proceed with following Steps.

- 60 Perforate thru both 3-1/2" and 7" casings above BP with 4 SPF phased 90 degree. Consult with perf company on charge needed.
- 61 Perform injection/circulation test.
- 62A If injection or circulation behind 7" csg is established: If circulation to surface established between 3x7 then procedure will need modified - consult with WET engineer before proceeding.
 - RIH with sliding-sleeve cement retainer and set above perfs.
 - Confirm circulation.
 - Disengage/engage to function test retainer.
 - Cement with pre-determined volume not to exceed annular volume up to 2150'.
 - Consult with WET engineer to determine if CBL to be obtained.
- 62B If circulation/injection not established; Perforate at 3500-02'. Repeat process above.
- 62C Repeat process above as needed, perforating at following intervals;
 - 3000 - 02'
 - 2500-02'.

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* Note that during steps above cement plugs must be installed across all perf zones, casing shoes, and O/G/W zones. If needed install cement plugs across all perf intervals and spot cement plug to 2150'.

If freepoint is between 1000 - 2200' proceed with Step 70. If freepoint is shallower than 1000' jump to Step 100.

- 70 Sand cut both 3-1/2" and 7" casings at freepoint depth.
- 71 Pull up 5 ft to separate casing and circulate kill fluid to surface - circulate until clean and kill fluid density returns to surface.
- 72 Pull 3-1/2" and 7" casings together.
- 73 RIH with 1-3/4" work string and install balanced cement plugs from top of last cement plug to 150' above top of csg stubs.
- 74 WOC 4 hours and tag plug. Report to WET engineer.
- 75 ND BOPE.
- 76 Weld pulling nipple on 8-5/8" csg stub
- 77 Dress top of 10-3/4" to accommodate BOPE.
- 78 Strip and NU 11" spool (with kill/choke outlets) and 11" annular BOP on 10-3/4" csg.
- 79 Function test and pressure test pipe rams low (250 psig) and high (500 psig).
- 80 Attempt to pull all 8-5/8" casing. If can't pull, wireline freepoint and cut/pull all that is free.
- 81 TIH w/2-3/8" workstring.
- 82 Spot balanced cement plug from top of last cement plug to 900 ft.
- 83 POOH to above cement, reverse circulate to clean tubulars, pull 5 joints, and WOC.
- 84 WOC minimum 4 hours. RIH and tag cement. If cement top is less than 100' from top of 8-5/8" csg stub install second cement plug.
- 85 ND BOPE.
- 86 Attempt to pull all 13-3/8" casing. Report to WET engineer.
- 87 Wireline freepoint 10-3/4" casing. Report to WET engineer.
- 88 Will either perf/squeeze or cut/pull casings.
- 89 Install cement from top of last cement plug to surface.
- 90 Grout all annuli as deep as possible.
- 91 RDMO service rig.
- 92 Erect monument per state regulations. Reclaim location and lease road.
- 93 P&A complete.

If freepoint is shallower than 1000' proceed to Step 100, NOTE THAT STEPS 100 - 104 MAY NOT BE PERFORMED - CONSULT WITH WV DEP INSPECTOR.

- 100 Sand cut both 3-1/2" and 7" casings at freepoint depth.
- 101 Pull up 5 ft to separate casing and circulate kill fluid to surface - circulate until clean and kill fluid density returns to surface.
- 102 Pull 3-1/2" and 7" casings together.
- 103 RIH with 1-3/4" work string and install balanced cement plugs from top of last cement plug to 150' above top of csg stubs.
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- 105 ND BOPE.
- 106 Weld pulling nipple on 8-5/8" csg stub
- 107 Dress top of 10-3/4" to accommodate BOPE.
- 108 Strip and NU 11" spool (with kill/choke outlets) and 11" annular BOP on 10-3/4" csg.

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Environmental Protection

PREPARED BY:	Jim Amos	REVIEWED BY:	APPROVED:
PREP DATE:	12/21/2020		

[Handwritten Signature]
12-27-20

05/14/2021

WELL JOB PLAN

Well Engineering & Technology

PAGE 4

DATE JOB PREPARED: 12/21/2020

Objective: Plug and Abandon

LAST PROFILE UPDATE:

TITLE: Plug and Abandon		WORK TYPE: WR	
FIELD: Ripley	WELL: 7289		
STAT: WV	SHL (Lat/Long): 0 0	API: 0	
TWP: 0	BHL (Lat/Long): 0 0	CNTY: 0	

PROCEDURE CONTINUED (PAGE 3)

4703500529

- 109 Function test and pressure test pipe rams low (250 psig) and high (500 psig).
- 110 Attempt to pull all 8-5/8" casing. If can't pull, wireline freepoint and cut/pull all that is free.
- 111 TIH w/2-3/8" workstring.
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PREPARED BY: Jim Amos	REVIEWED BY:	APPROVED:
PREP DATE: 12/21/2020		

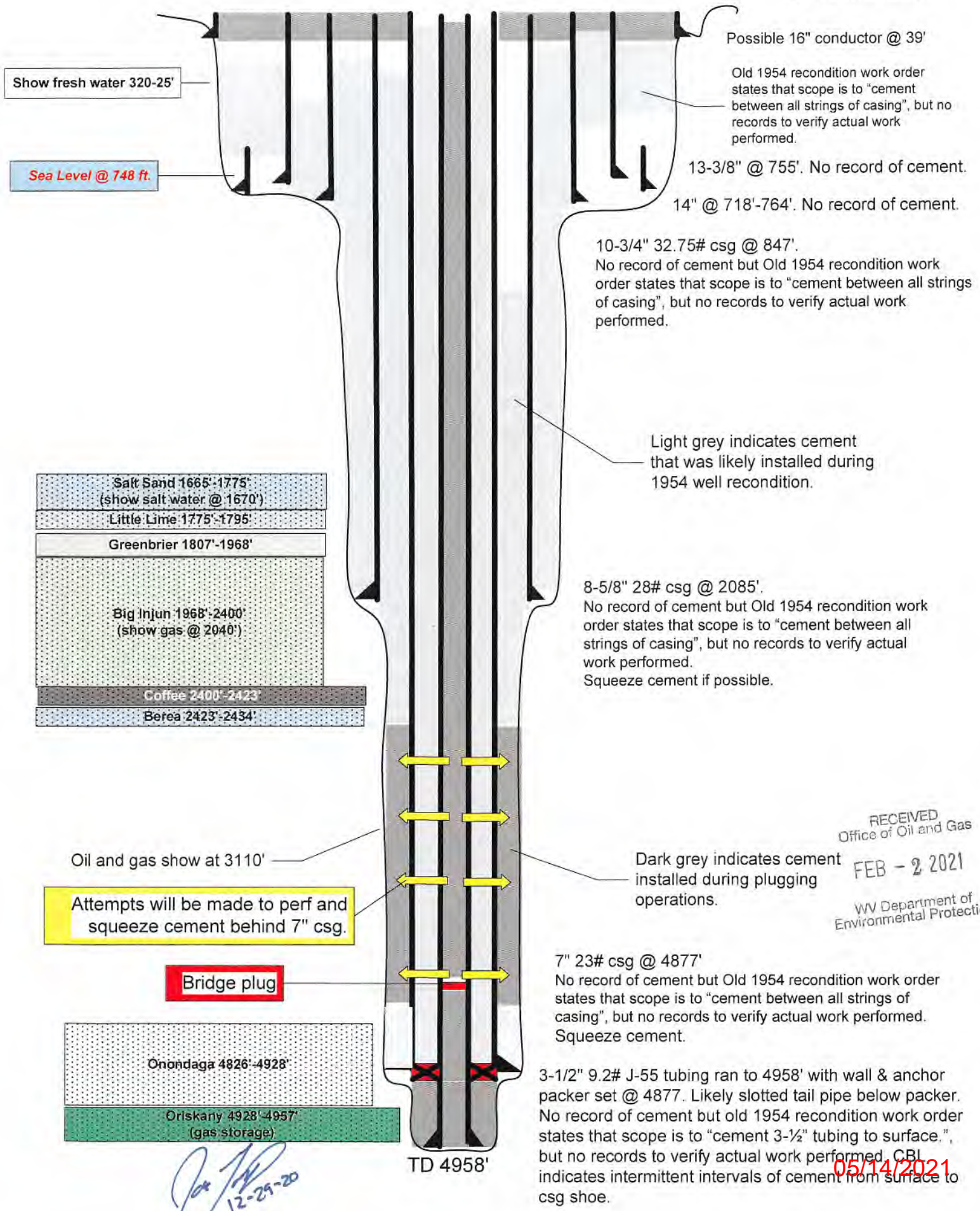
Joe [Signature]
12-25-20

05/14/2021

~ not to scale ~

4 70 35 0 0 5 2 9 Ripley 7289

Proposed P&A
(as of 12/9/2020)



Show fresh water 320-25'

Sea Level @ 748 ft.

Possible 16" conductor @ 39'

Old 1954 recondition work order states that scope is to "cement between all strings of casing", but no records to verify actual work performed.

13-3/8" @ 755'. No record of cement.

14" @ 718'-764'. No record of cement.

10-3/4" 32.75# csg @ 847'.
No record of cement but Old 1954 recondition work order states that scope is to "cement between all strings of casing", but no records to verify actual work performed.

Light grey indicates cement that was likely installed during 1954 well recondition.

8-5/8" 28# csg @ 2085'.
No record of cement but Old 1954 recondition work order states that scope is to "cement between all strings of casing", but no records to verify actual work performed.
Squeeze cement if possible.

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Dark grey indicates cement installed during plugging operations.

Attempts will be made to perf and squeeze cement behind 7" csg.

Bridge plug

7" 23# csg @ 4877'
No record of cement but Old 1954 recondition work order states that scope is to "cement between all strings of casing", but no records to verify actual work performed.
Squeeze cement.

3-1/2" 9.2# J-55 tubing ran to 4958' with wall & anchor packer set @ 4877'. Likely slotted tail pipe below packer. No record of cement but old 1954 recondition work order states that scope is to "cement 3-1/2" tubing to surface.", but no records to verify actual work performed. CBI indicates intermittent intervals of cement from surface to csg shoe.

- Salt Sand 1665'-1775' (show salt water @ 1670')
- Little Lime 1775'-1795'
- Greenbrier 1807'-1968'
- Big Injun 1968'-2400' (show gas @ 2040')
- Coffee 2400'-2423'
- Berea 2423'-2434'

Oil and gas show at 3110'

- Onondaga 4826'-4928'
- Oriskany 4928'-4957' (gas storage)

John P. [Signature]
12-29-20

05/14/2021

TD 4958'

~ not to scale ~

4703500529 Ripley 7289

Prior to P&A
(as of 10/29/2020)

CBL indicates cement
top at/near surface.

Show fresh water 320-25'

Sea Level @ 748 ft.

Possible 16" conductor @ 39'

Old 1954 recondition work order states that scope is to "cement between all strings of casing", but no records to verify actual work performed.

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10-3/4" 32.75# csg @ 847'.
No record of cement but Old 1954 recondition work order states that scope is to "cement between all strings of casing", but no records to verify actual work performed.

Hashed fill indicates possible cement installed during well recondition in 1954.

8-5/8" 28# csg @ 2085'.
No record of cement but Old 1954 recondition work order states that scope is to "cement between all strings of casing", but no records to verify actual work performed.

Light grey indicates cement that was likely installed during 1954 well recondition.

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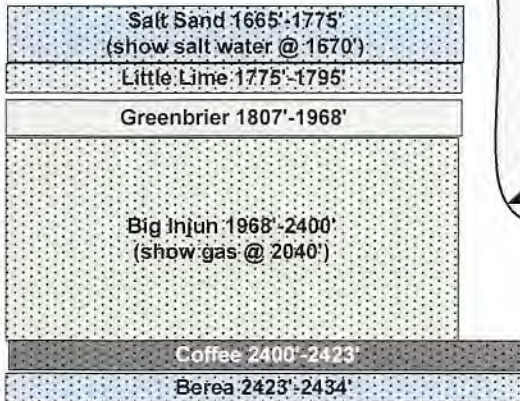
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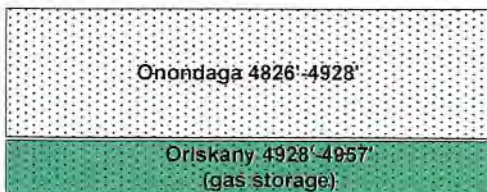
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05/14/2021



Oil and gas show at 3110'



TD 4958'

Joe Tapp
12-2-2020

7289

Form OG-10



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle _____

WELL RECORD

Oil or Gas Well Gas
(KIND)

Permit No. -Jac-529

Company <u>United Fuel Gas Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>P. O. Box 1273</u>	Size			
Farm <u>Kate Coast, et al</u> Acres _____	16			Kind of Packer _____
Location (waters) _____	13 3/8"	755'	755'	
Well No. <u>Orig. U-5783 -Now X59-7289</u> Elev. <u>745.54 Gr.</u>	10 3/4"	847'	847'	Size of _____
District <u>Ripley</u> County <u>Jackson</u>	8 1/2 5/8"	2085'	2085'	Depth set _____
The surface of tract is owned in fee by _____	6 3/4"	4877'	4877'	
Address _____	5 3/16"			
Mineral rights are owned by _____	4 1/2"			
Address _____	3"			Perf. top _____
Drilling commenced <u>8/3/46</u>	2"	4955'	4955'	Perf. bottom _____
Drilling completed <u>2/3/47</u>	Liners Used _____			Perf. top _____
Date Shot <u>2/4/47</u> From <u>4928</u> To <u>4958</u>				Perf. bottom _____
With <u>300# EL 409 and 75# Gelatin</u>				
Open Flow <u>1/10ths Water in _____</u> Inch _____	Attach copy of cementing record.			
<u>6/10ths Merc. in 7" 22#</u> Inch _____	CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____			
Volume <u>3.901 Mcf</u> Cu. Ft. _____	Amount of cement used (bags) _____			
Rock Pressure <u>975</u> lbs. <u>24</u> hrs.	Name of Service Co. _____			
Oil _____ bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
WELL ACIDIZED (DETAILS) _____	_____ FEET _____ INCHES _____ FEET _____ INCHES			
WELL FRACTURED (DETAILS) _____	_____ FEET _____ INCHES _____ FEET _____ INCHES			

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____

ROCK PRESSURE AFTER TREATMENT _____ HOURS _____

Fresh Water 320-325 Feet _____ Salt Water 1670 Feet _____

Producing Sand Oriskany Depth 4933-4938

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			1	25			
Red Rock			25	75			
Slate			75	125			
Red Rock			125	175			
Slate			175	225			
Red Rock			225	275			
Lime			275	300	Water 320-325'		
Sand			300	350			
Slate			350	360	Salt Water 1670'		
Red Rock			360	365			
Lime			365	400	Show gas 2040'		
Red Rock			400	420			
White Slate			420	490	Oil & gas show 3110'		
Lime			490	540			
Sand			540	580			
Slate			580	585	Oriskany gas 4933-4938'		30/10 W 7" 22#
Black Slate			585	590	2,363 M		
Slate			590	630			
Sand			630	640	Test before shot 16/10 W 7" 22# 1,725		
Slate			640	735	Shot 2-4-47 with 300# EL 409 and 75#		
Red Rock			735	745	Gelatin from 4928-4958		
Blue Slate			745	767	Test 1 hour after shot 16/10 Merc. 7"		
Sand			767	797	22# 3,901 M		
Slate			797	805			
Lime			805	815			
Sand			815	830			
Red Rock			830	865	Shut in 2-4-47 in 2" and 7"		
Lime			865	889			
Slate & Shells			889	937			

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(over)

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Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock			937	954			
Sand			954	987			
Red Rock			987	1003			
Slate & Shells			1003	1220			
Sand			1220	1240			
Slate & Shells			1240	1330			
Sand			1330	1375			
Slate, black			1375	1440			
Sand			1440	1495			
Slate			1495	1610			
Sand			1610	1620			
Slate & Shells			1620	1670			
Salt Sand			1670	1775			
Little Lime			1775	1800			
Big Lime			1800	1905			
Injun			1905	2000			
Lime			2000	2005			
Sand			2005	2072			
Black Lime			2072	2095			
Slate & Shells			2095	2415			
Brown Shale			2415	2430			
Berea Sand			2430	2448			
Slate & Shells			2448	3871			
Brown Shale			3871	4240			
White Slate			4240	4590			
Brown Shale			4590	4790			
Black Shale			4790	4835			
Coniferous			4835	4928			
Driskeny			4928	4957			
Lime			4957	4958			
Total Depth			4958'				

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FEB - 2 2021
WV Department of
Environmental Protection

Date _____, 19__

APPROVED _____ Owner

By _____
(Title)

05/14/2021

4703500529P

WW-4A
Revised 6-07

1) Date: 12/24/2020
2) Operator's Well Number
Ripley 7289

3) API Well No.: 47 - 035 - 00529

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Charles E. and Joy L. Hicks</u>	Name <u>Not operated.</u>
Address <u>1816 Parkersburg Road</u>	Address _____
<u>Ripley, WV 25271-6211</u>	_____
(b) Name <u>Matthew A. and Cheyene L. Hicks</u>	(b) Coal Owner(s) with Declaration
Address <u>1816 Parkersburg Road</u>	Name _____
<u>Ripley, WV 25271-6211</u>	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Joe Taylor</u>	(c) Coal Lessee with Declaration
Address <u>1478 Claylick Road</u>	Name _____
<u>Ripley, WV 25271</u>	Address _____
Telephone <u>304.380.7469</u>	_____

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator Columbia Gas Transmission
 By: James Amos *[Signature]* 12/29/20
 Its: Team Leader - Well Engineering and Technology
 Address 48 Columbia Gas Road
Sandyville, WV 25275
 Telephone 304.373.2412

Subscribed and sworn before me this 29th day of December 2020
[Signature] Notary Public
 My Commission Expires June 19, 2022

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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.

05/14/2021

SURFACE OWNER WAIVER

Operator's Well
Number

Ripley 7289

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (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

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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 **FIVE (5) 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 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.

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 Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

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
ETC.

FOR EXECUTION BY A CORPORATION,

_____	Date _____	Name _____
Signature		By _____
		Its _____
		Date _____

Signature

Date
05/14/2021

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Office of Oil and Gas
WV Department of
Environmental Protection
FEB - 2 2021

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

Sent To: CHARLES & JOY HICKS
Street and Apt. No., or PO Box No.: 1816 PARKERSBURG RD
City, State, ZIP+4: RIPLEY, WV 25271-6211

Postmark Here: FEB 20 2021

Postage	\$ 7.11
Adult Signature Restricted Delivery	\$ 0.00
Adult Signature Required	\$ 0.00
Certified Mail Restricted Delivery	\$ 0.00
Return Receipt (hardcopy)	\$ 0.00
Return Receipt (electronic)	\$ 0.00
Extra Services & Fees (check box, add the amount)	\$ 0.00
Certified Mail Fee	\$ 3.75
Total Postage and Fees	\$ 10.86

U.S. Postal Service
CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com
RIPLEY, WV 25271
OFFICIAL USE

7017 0660 0001 0359 5651

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

Sent To: MATTHEW & CHEYENNE HICKS
Street and Apt. No., or PO Box No.: 1816 PARKERSBURG RD
City, State, ZIP+4: RIPLEY, WV 25271-6211

Postmark Here: FEB 20 2021

Postage	\$ 7.11
Adult Signature Restricted Delivery	\$ 0.00
Adult Signature Required	\$ 0.00
Certified Mail Restricted Delivery	\$ 0.00
Return Receipt (hardcopy)	\$ 0.00
Return Receipt (electronic)	\$ 0.00
Extra Services & Fees (check box, add the amount)	\$ 0.00
Certified Mail Fee	\$ 3.75
Total Postage and Fees	\$ 10.86

U.S. Postal Service
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For delivery information, visit our website at www.usps.com
RIPLEY, WV 25271
OFFICIAL USE

7017 0660 0001 0359 5668

47035005-29

05/14/2021

4703500529P

SENDER: COMPLETE THIS SECTION		LIVERY	
<p>so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p>CHARLES & JOY HICKS 1816 PARKERSBURG RD RIPLEY, WV 25271-6211</p>  <p>9590 9402 3688 7335 3537 89</p>		<p><input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>A. Signature <i>Cheyenne Hicks</i></p> <p>B. Received by (Printed Name) CHEYENNE HICKS</p> <p>C. Date of Delivery 01/08/21</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes if YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>2. Article Number (Transfer from service label)</p> <p>7017 0660 0001 0359 5651</p>		<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Restricted Delivery (over \$500)</p> <p><input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>	
PS Form 3811, July 2015 PSN 7530-02-000-9053		Domestic Return Receipt	

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p>MATTHEW & CHEYENNE HICKS 1816 PARKERSBURG RD RIPLEY, WV 25271-6211</p>  <p>9590 9402 3688 7335 3537 72</p>		<p>A. Signature <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>X <i>Cheyenne Hicks</i></p> <p>B. Received by (Printed Name) CHEYENNE HICKS</p> <p>C. Date of Delivery 01/08/21</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes if YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>2. Article Number (Transfer from service label)</p> <p>7017 0660 0001 0359 5668</p>		<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Restricted Delivery</p> <p><input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>	
PS Form 3811, July 2015 PSN 7530-02-000-9053		Domestic Return Receipt	

05/14/2021

4703500529P

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



December 24, 2020

Matthew and Cheyene Hicks
1816 Parkersburg Road
Ripley, WV 25271-6211

Columbia Gas Transmission, LLC is applying for a permit to the WV Department of Environmental Protection – Office of Oil and Gas, to plug and abandon an existing underground natural gas storage well located on property owned by you. As reference, the field and well ID is Ripley 7289 (API 47-035-00529).

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

Regards,

A handwritten signature in black ink, appearing to read "Jim Amos".

Jim Amos
Team Leader
Well Engineering & Technology
Columbia Gas Transmission, LLC

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WV Department of
Environmental Protection

4703500529P



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

December 24, 2020

Charles and Joy Hicks
1816 Parkersburg Road
Ripley, WV 25271-6211

Columbia Gas Transmission, LLC is applying for a permit to the WV Department of Environmental Protection – Office of Oil and Gas, to plug and abandon an existing underground natural gas storage well located on property owned by you. As reference, the field and well ID is Ripley 7289 (API 47-035-00529).

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

Regards,

A handwritten signature in black ink that reads 'Jim EA'.

Jim Amos
Team Leader
Well Engineering & Technology
Columbia Gas Transmission, LLC

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WV Department of
Environmental Protection

WW-4B

N/A

API No. 47-035-00529
Farm Name _____
Well No. Ripley 7289

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____

By: _____

Its _____

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WW-9
(5/16)

API Number 47 - 035 _00529
Operator's Well No. _____

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

Operator Name Columbia Gas Transmission OP Code 307032

Watershed (HUC 10) Sycamore Creek Quadrangle Ripley

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: fresh water, brine, cement returns, bentonite gel

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 20

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number 34-119-28776-, 34-167-23862)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Appalachian Water Services, Station W1 Ronco WTP, Masontown, PA - Permit 2608201)

Will closed loop system be used? If so, describe: no

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? _____

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) subsoils

-Landfill or offsite name/permit number? _____

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WV Department of
Environmental Protection

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 [Signature] 12/29/20
Company Official (Typed Name) James E. Amos
Company Official Title Team Leader, Well Engineering & Technology

Subscribed and sworn before me this 29th day of December, 2020

[Signature]
My commission expires June 19, 2022



05/14/2021

Proposed Revegetation Treatment: Acres Disturbed <1.0 Prevegetation pH 6.5

Lime 2 Tons/acre or to correct to pH 7

Fertilizer type 10-10-10

Fertilizer amount 600 lbs/acre

Mulch 2 Tons/acre

Seed Mixtures

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

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

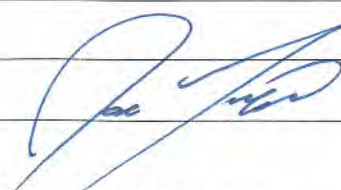
Attach:

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Joe Taylor

Comments: Sediment control in place at All Zones



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WV Department of
Environmental Protection

Title: OC Inspector

Date: 12-29-20

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): Sycamore Creek Quad: Ripley
Farm Name: _____

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

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

All accumulated fluids to be hauled off site to UIC disposal facility.

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

All construction equipment will be inspected daily for leaks. 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.

Left Fork Sycamore Creek - 0.33 miles. WV Baptist Conference Center (WV9918034) - 4.57 miles.

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

N/A

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Environmental Protection

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

05/14/2021

N/A

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

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

7. Describe the groundwater protection instruction and training to be provided to the employees. Job procedures shall provide direction on how to prevent groundwater contamination.

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

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

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

Signature: _____

John Elm

Date: _____

12/29/20

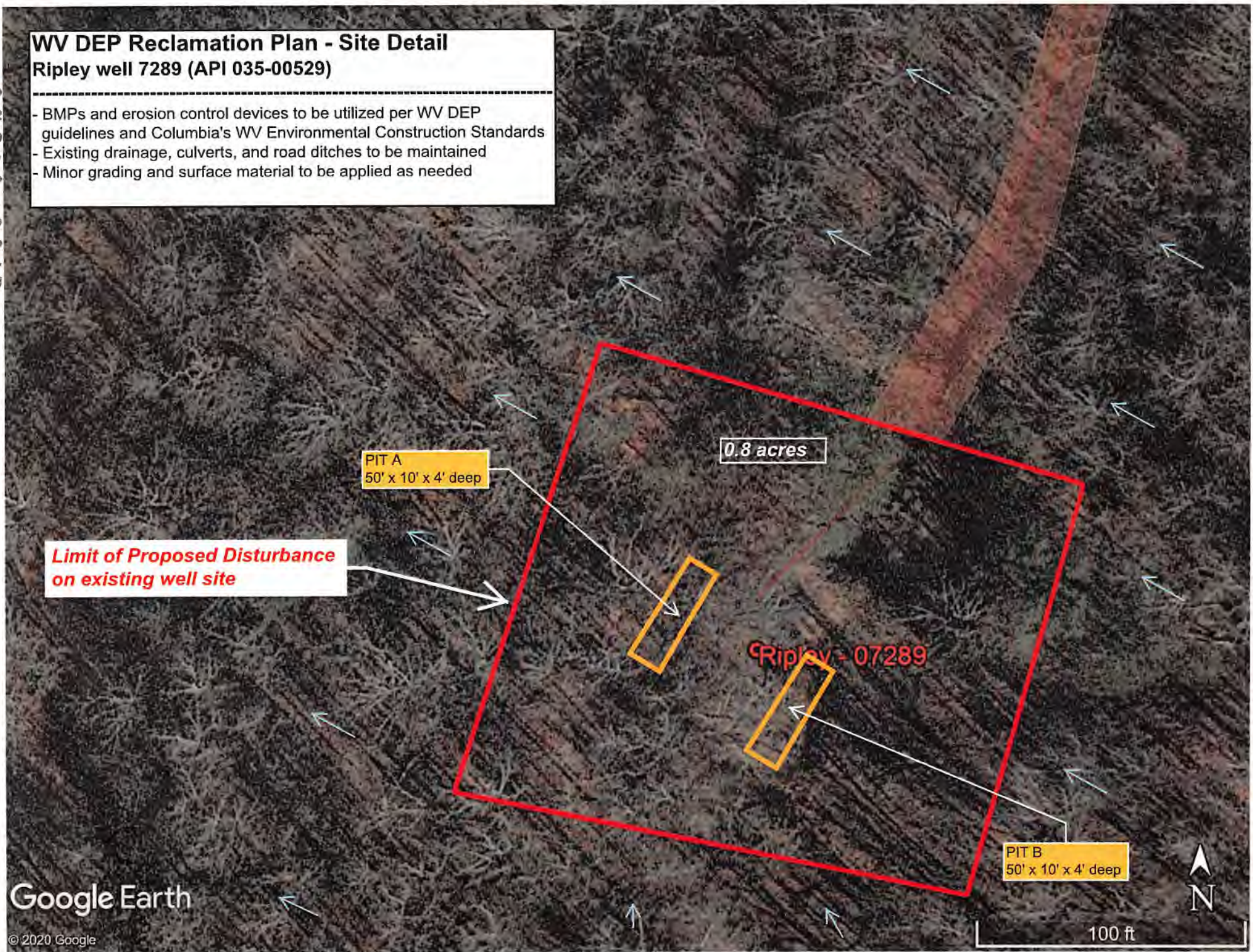
[Signature]
12-29-20

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Environmental Protection

4703500529P

WV DEP Reclamation Plan - Site Detail
Ripley well 7289 (API 035-00529)

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



Limit of Proposed Disturbance on existing well site

PIT A
50' x 10' x 4' deep

0.8 acres

Ripley - 07289

PIT B
50' x 10' x 4' deep

Google Earth

© 2020 Google

100 ft



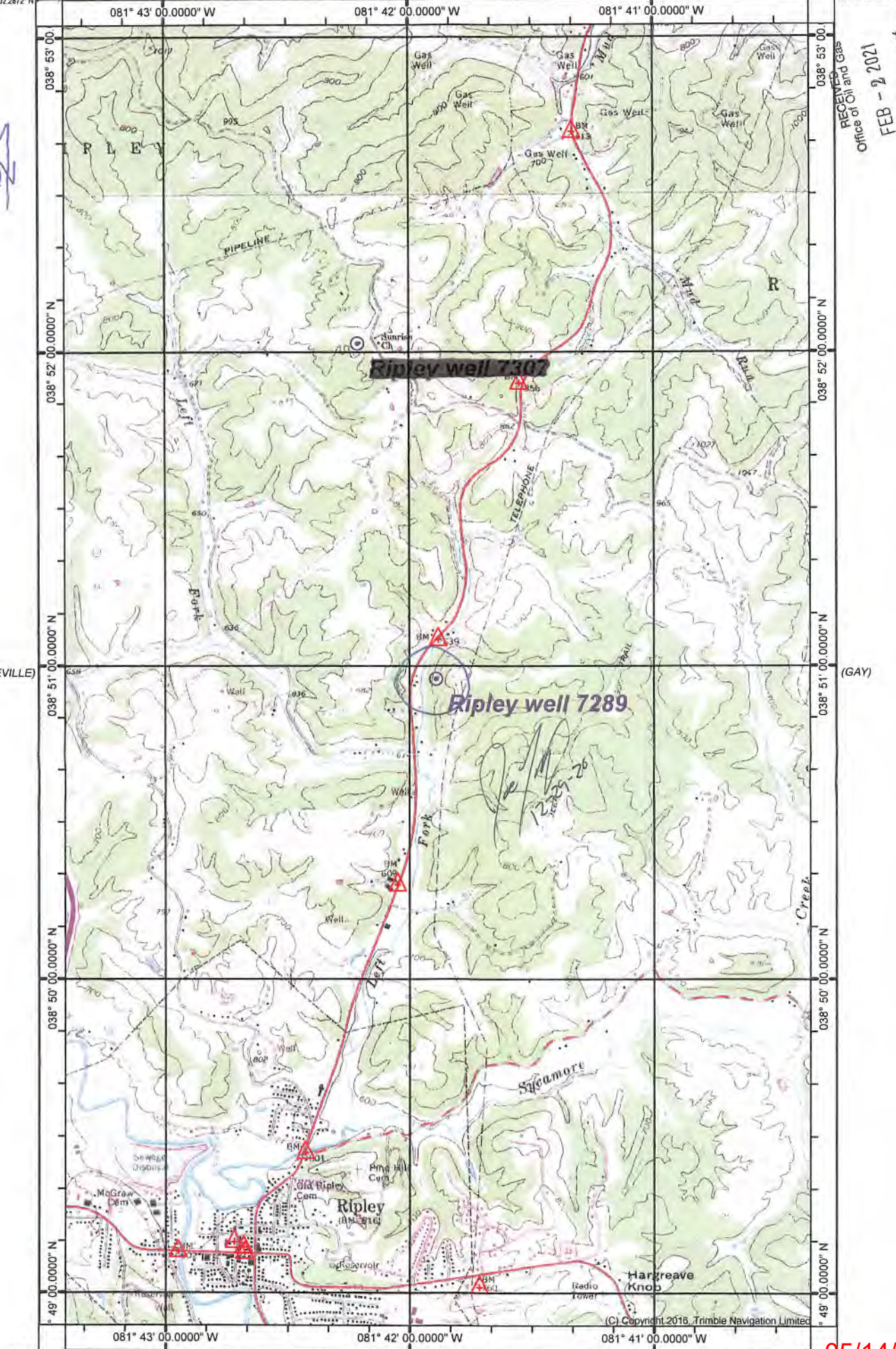


RIPLY QUADRANGLE
WEST VIRGINIA
TOPOGRAPHIC SERIES

(LIVERPOOL)

4703500529
(RAVENSWOOD)

081° 43' 24.6710" W (SANDYVILLE) 081° 40' 20.7685" W



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(COTTAGEVILLE)

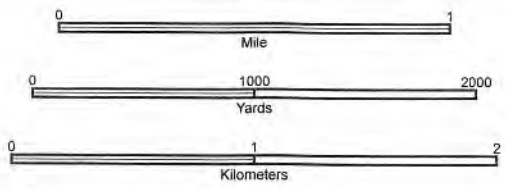
(GAY)

05/14/2021

(ELMWOOD)

(KENTUCK)

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



CONTOUR INTERVAL 20 FT

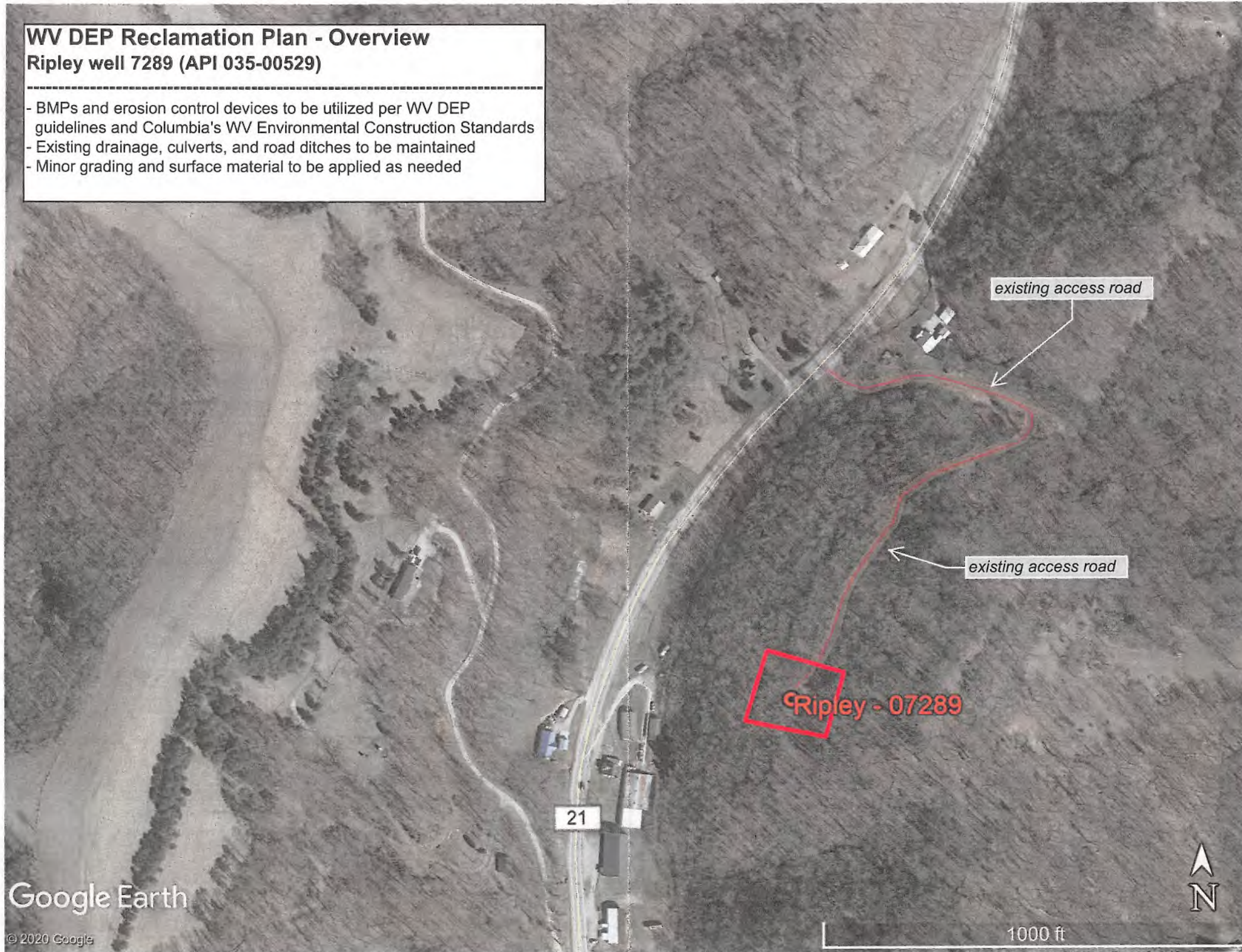
38081-G5-TM-024
RIPLY, WV
JAN 1, 1975

(C) Copyright 2016, Trimble Navigation Limited

Printed: Wed Dec 02, 2020

WV DEP Reclamation Plan - Overview
Ripley well 7289 (API 035-00529)

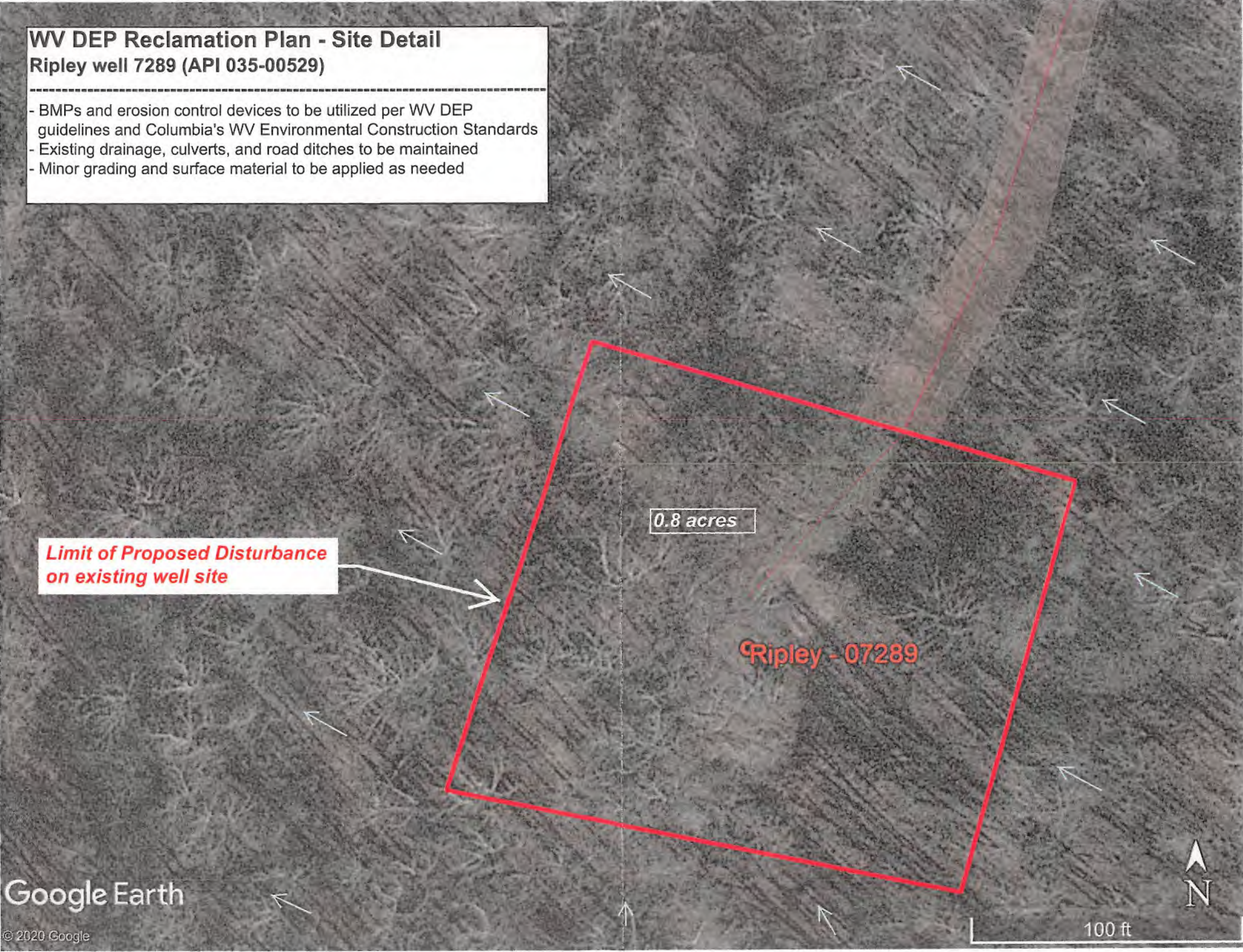
- BMPs and erosion control devices to be utilized per WV DEP guidelines and Columbia's WV Environmental Construction Standards
- Existing drainage, culverts, and road ditches to be maintained
- Minor grading and surface material to be applied as needed



[Handwritten signature]
12-28-20

WV DEP Reclamation Plan - Site Detail
Ripley well 7289 (API 035-00529)

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



**Limit of Proposed Disturbance
on existing well site**

0.8 acres

Ripley - 07289

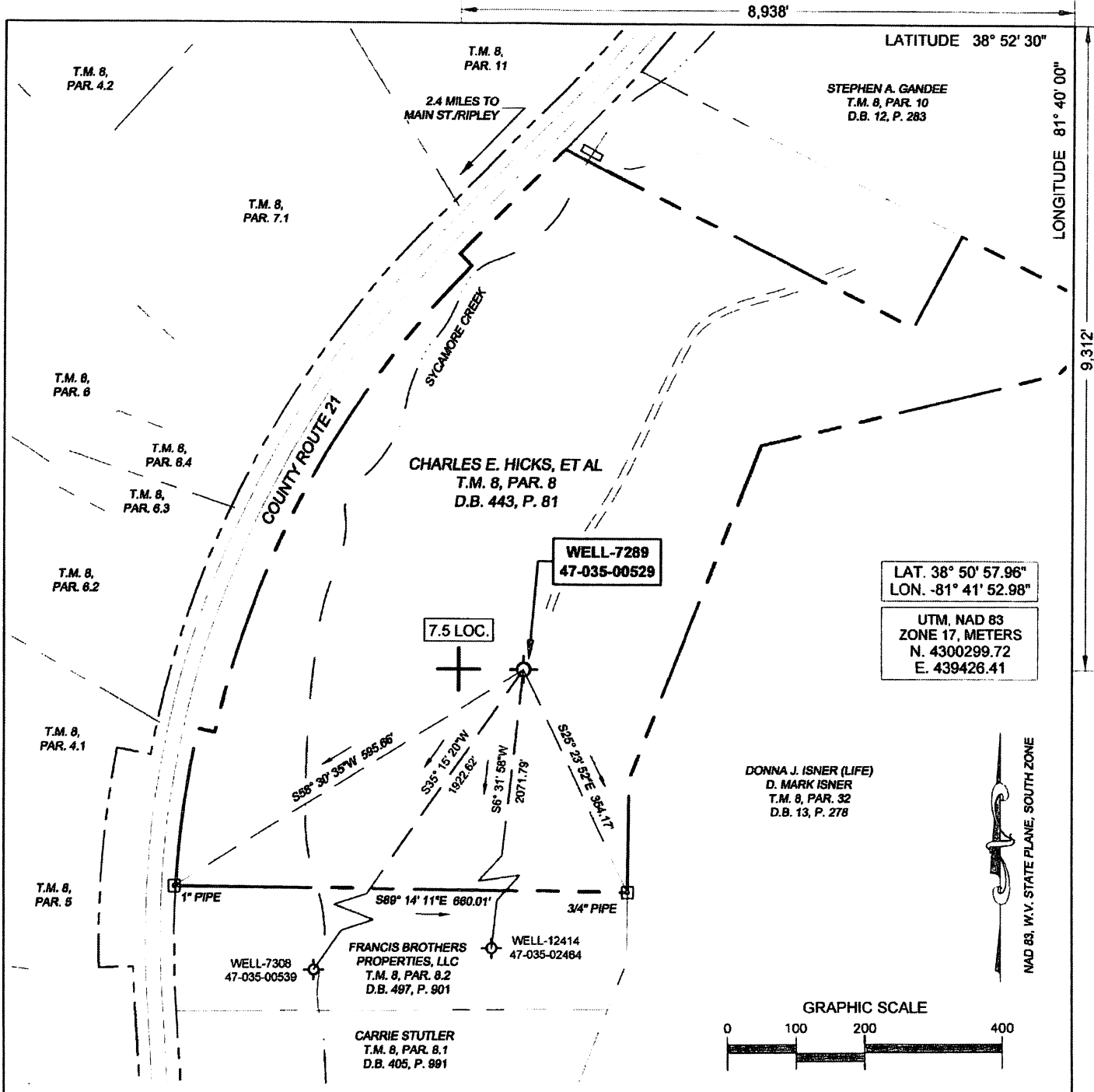


100 ft

Google Earth

© 2020 Google

[Handwritten signature]
12-28-20

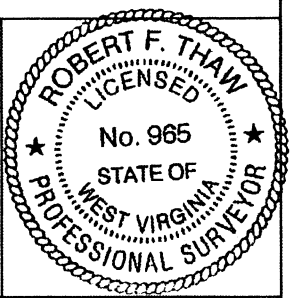


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No 2001-3079-001-014
 DRAWING No. RIPLEY-7289
 SCALE 1"=200'
 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) [Signature]
ROBERT F. THAW PS #965



FORM IV-6 (8-78)

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

DATE NOVEMBER 4 2020
 OPERATOR'S WELL No. 7289
 API WELL No. 47 035 - 00529P

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

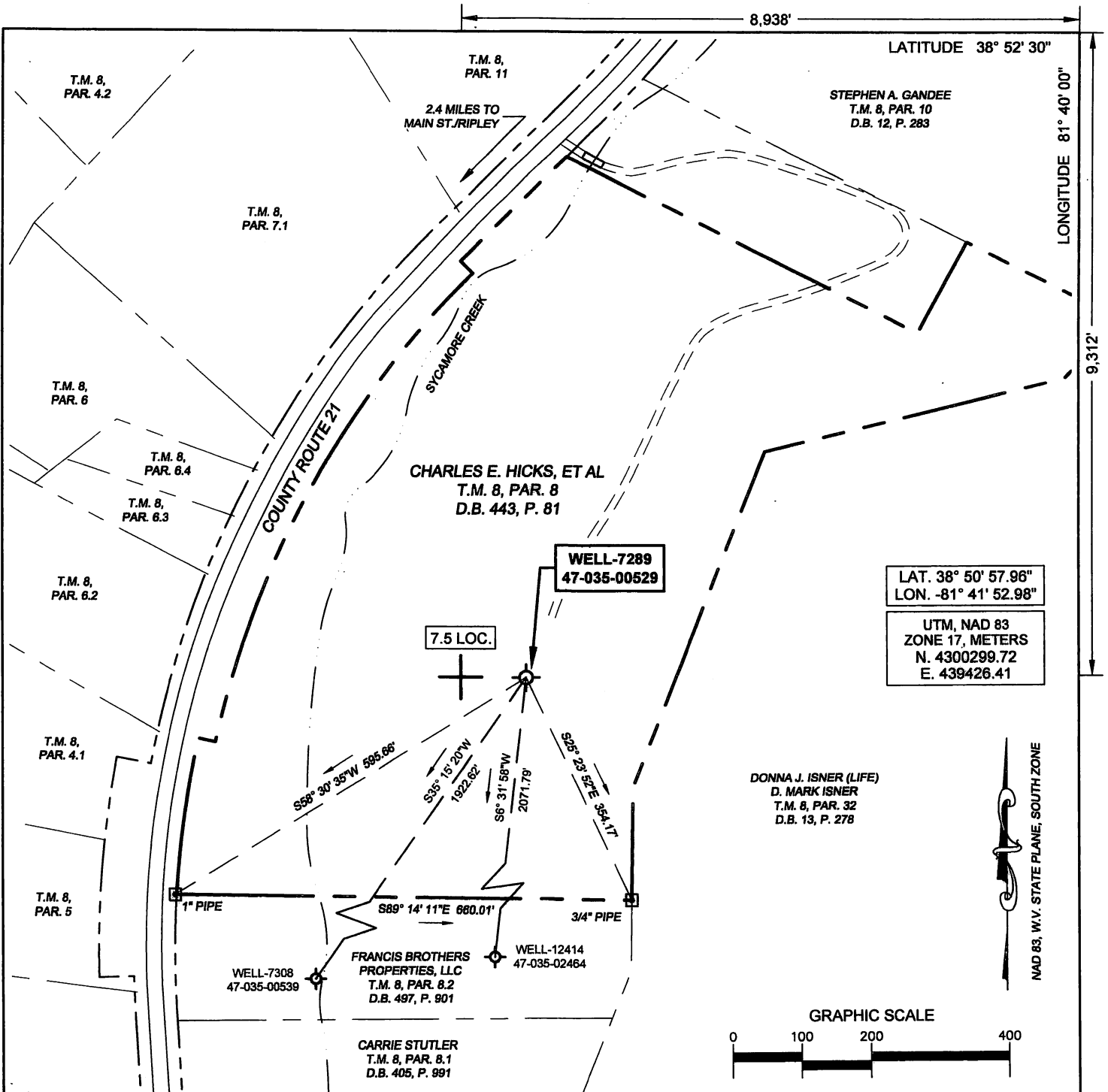
LOCATION: ELEVATION 748.3' WATER SHED SYCAMORE CREEK
 DISTRICT RIPLEY COUNTY JACKSON
 QUADRANGLE RIPLEY, WV

SURFACE OWNER CHARLES E. HICKS, ET AL ACREAGE 24.0 +/-
 OIL & GAS ROYALTY OWNER R. F. WALTERS, ET AL

LEASE ACREAGE 24 LEASE NO. 1041920-000

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE
 STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 05/14/2021
 PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION ORISKANY ESTIMATED DEPTH 4958
 WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT JAMES AMOS
 ADDRESS PO BOX 1273, CHARLESTON, WV 25325-1273 ADDRESS 48 COLUMBIA GAS ROAD SANDYVILLE, WV 25275



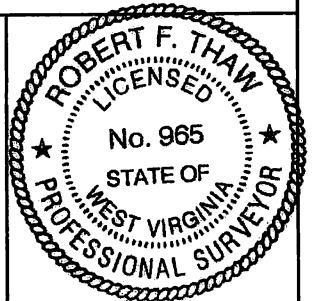
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No 2001-3079-001-014
 DRAWING No. RIPLEY-7289
 SCALE 1"=200'
 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



FORM IV-6 (8-78)

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

DATE NOVEMBER 4 2020
 OPERATOR'S WELL No. 7289
 API WELL No. 47 035 - 00529P

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 748.3' WATER SHED SYCAMORE CREEK
 DISTRICT RIPLEY COUNTY JACKSON
 QUADRANGLE RIPLEY, WV

SURFACE OWNER CHARLES E. HICKS, ET AL ACREAGE 24.0 +/-
 OIL & GAS ROYALTY OWNER R. F. WALTERS, ET AL

LEASE ACREAGE 24 LEASE NO. 1041920-000

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE
 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 4958
 WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT JAMES AMOS
 ADDRESS PO BOX 1273, CHARLESTON, WV ADDRESS 48 COLUMBIA GAS ROAD
25325-1273 SANDYVILLE, WV 25275