



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

Monday, March 22, 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 7075
47-039-01258-00-00

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.

James A. Martin
Chief

Operator's Well Number: 7075
Farm Name: BOGGS, PHYLLIS
U.S. WELL NUMBER: 47-039-01258-00-00
Vertical Plugging
Date Issued: 3/22/2021

H

4703901258†

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.

03/26/2021

4703901258P

WW-4B
Rev. 2/01

1) Date 12/24, 2020
2) Operator's
Well No. Coco B 7075
3) API Well No. 47-039 - 01258

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 895 feet Watershed Flatwood Run of Indian Creek
District Elk County Kanawha Quadrangle Blue Creek

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 Terry Urban
Address PO Box 1207
Clendenin, WV 25045
9) Plugging Contractor Name Contractor Services Inc.
Address 929 Charleston Road
Spencer, WV 25276

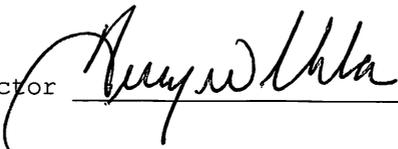
10) Work Order: The work order for the manner of plugging this well is as follows:

Refer to enclosed:

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

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Office of Oil and Gas
JAN 13 2021
WV Department of
Environmental Protection

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

Work order approved by inspector  Date 12-29-20

03/26/2021

Objective: Plug and Abandon LAST PROFILE UPDATE:

TITLE: Plug and Abandon WORK TYPE: WR

FIELD: Coco B WELL: 7075
 STATE: WV SHL (Lat/ Long) API:
 DIST: BHL (Lat/Long) CNTY:

EXISTING TUBULAR CONFIGURATION	OD (inches)	WEIGHT (PPF)	GRADE	THREAD	DEPTH (ft)		FORMATION:
					TOP	BOTTOM	
Conductor							Oriskany See below.
Surface							ELEVATIONS TMG: KB-RF: GL:
Intermediate1							
Intermediate2							
Production							DEPTH WELLBORE SCHEMATIC
Tubing							
Perforations							
Perforations							
Perforations							
Wellhead							

D.H. EQUIPMENT	TYPE	DEPTH (ft)
PACKER INFO: Upper		
Lower		
NIPPLE PROFILE INFO: Upper		
Lower		
SSSV INFO:		

CEMENT INFO	TOC (ft)

MISC INFORMATION

REFER TO WELL SUMMARY REPORT and WELLBORE DIAGRAM

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WV Department of
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PROPOSED YEAR: 2020	ERCB PERMIT REQD: YES ___ NO <u>X</u>	(Internal) PDS Required: YES ___ NO ___
PREPARED BY: Jim Amos	DT. APPLIED: ISSUED:	APPROVED: 
PREP DATE: 12/21/2020	REVIEWED BY:	James Amos Principal Engineer Signed by: 83aa62d7-b683-404d-8328-f042f2e33502

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		WELL: 7075		WORK TYPE: WR	
FIELD: Coco B		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 4x7, 7x8, 8x10, and 10x13 annuli with kill fluid. Fill all remaining annuli with FW. Document volumes.
- 13 Obtain CBL from csg shoe to surface. Keep hole full. Provide digital copy to WET engineer.
- 14 Dig around base of wellhead to uncover casing tops and remove cement if present.
- 15 MIRU service rig.
- 16 NU 7-1/16" Cameron 5K BOPE (blind/shear + pipe + annular) on top of master valve. Need kill and choke outlets below blind/shear.
- 17 Function and pressure test BOPE to low (250 psig) and high (2500 psig).
- 18 TIH w/ 2-3/8" drill pipe workstring with cut-lip shoe and wash to TD.
- 19 Install balanced cement plug from TD to 4,700'.
- 20 POOH to above cement, reverse circulate to clean tubulars, pull 10 joints, close pipe rams, and WOC.
- 21 WOC minimum 8 hours. RIH and tag cement. If cement top is deeper than 4900' then spot a second balanced cement plug.
- 22 Install 4-1/2" CIDBP above cement plug.
- 23 Top off 4-1/2" with kill fluid and perform 500 psig pressure test to verify integrity of BP.
- 24 Release all annular pressure.
- 25 ND BOPE. Weld pulling nipple on 4-1/2" casing stub.
- 26 Pull seals and slips.
- 27 Strip BOPE (blind/shears, 4-1/2" pipe rams, and annular) over stub and NU on top of A-section.
- 28 Function test and attempt to pressure test pipe rams low (250 psig) and high (2000 psig). Report results to WET engineer.
- 29 Wireline freepoint and cut/pull all free 4-1/2" casing.
- 30 Obtain CBL inside 7" casing. Consult with WET engineer on next step.
- 31 Change pipe rams to 2-3/8" and function test.
- 32 TIH with work string and install balanced cement plug from CIBP to 300' above top of 4-1/2" csg stub.
- 33 POOH to above cement, reverse circulate to clean tubulars, pull 5 joints, close pipe rams, and WOC.
- 34 WOC minimum 8 hours. RIH and tag cement. If cement top is less than 100' from top of 4-1/2" csg stub then install second cement plug.
- 35 Install 7" CIDBP above cement plug.
- 36 Top off 7" with kill fluid and perform 500 psig pressure test to verify integrity of BP.
- 37 ND BOPE and remove A-section.
- 38 Weld pulling nipple on 7" casing and dress top of 8-5/8" to accommodate BOPE.
- 39 Strip 11" 3M BOPE (blind + pipe + annular) over stub and NU to 8-5/8" csg. Will need kill/choke outlets below blind rams.
- 40 Function test and attempt to pressure test low (250 psig) and high (1000 psig).
- 41 Wireline freepoint 7" casing and cut/pull all 7" casing that is free.

If 7" casing is pulled below 2300' proceed to Step 50. If casing not pulled below 2300' proceed to Step 80.

- 50 TIH with work string and install balanced cement plugs from BP to 2100'.
- 51 POOH to above cement, reverse circulate to clean tubulars, pull 5 joints, close pipe rams, and WOC.
- 52 WOC minimum 4 hours. RIH and tag cement. If top of plug is less than 100' above 7" csg stub then install second cement plug.
- 53 ND BOPE. Weld pulling nipple on 8-5/8" casing and dress top of 10-3/4" csg to accommodate BOPE.
- 54 Strip 11" spool (w/ kill + choke outlets) and annular over stub and NU to 10-3/4" csg.
- 55 Function test and attempt to pressure test low (200 psig) and high (500 psig).
- 56 Wireline freepoint and cut/pull all 8-5/8" casing that is free.

Signature
12-29-20

PREPARED BY: Jim Amos	REVIEWED BY:	APPROVED: RECEIVED Office of Oil and Gas
PREP DATE: 12/21/2020		JAN 13 2021

WV Department of Environmental Protection

WELL JOB PLAN

Well Engineering & Technology

Objective: Plug and Abandon

LAST PROFILE UPDATE:

TITLE: Plug and Abandon	WELL: 7075		WORK TYPE: WR
FIELD: Coco B	SHL (Lat/Long): 0 0	API: 0	
STAT: WV	BHL (Lat/Long): 0 0	CNTY: 0	
TWP: 0	PROCEDURE CONTINUED		

Note that if 8-5/8" csg is free below 900' then proceed to next Step. If not then consult with WET engineer (will need to significantly modify procedure to attempt pulling 10-3/4" and 13-3/8" to install cement across fresh water zones)

- 57 Cut/pull all 8-5/8" that is free.
- 58 TIH with work string and install balanced cement plug from top of last cement plug to 1700'.
- 59 POOH to above cement, reverse circulate to clean tubulars, pull 5 joints, close pipe rams, and WOC.
- 60 WOC minimum 4 hours. RIH to tag cement.
- 61 ND BOPE. Weld pulling nipple on 10-3/4" casing.
- 62 Wireline freepoint and cut/pull all 10-3/4" casing that is free.
- 63 TIH with work string and install balanced cement plug from top of last cement plug to 500'.
- 64 POOH to above cement, reverse circulate to clean tubulars, pull 5 joints, and WOC.
- 65 WOC minimum 8 hours. RIH to tag cement top.
- 66 Weld pulling nipple on 13-3/8" casing.
- 67 Drive 10' to 20' of 16" casing around 13-3/8" casing.
- 68 Wireline freepoint and cut/pull all 13-3/8" csg that is free.
- 69 RIH with work string and install balanced cement plug from top of last cement plug to surface.
- 70 WOC 4 hours and top off with cement as needed.
- 71 RDMO service rig.
- 72 Erect monument per state regulations. Reclaim location and lease road.
- 73 P&A complete.

- 80 Perforate 7" csg above CIBP and attempt to circulate to surface or establish injection.
* Consult with WET engineer on results.
- 81A If circulation to surface established, consult with WET engineer for procedure:
Circulate kill weight fluid until good kill density fluid is returned.
RIH with sliding-sleeve style cement retainer on work string
Set retainer above perfs
Establish circulation
Squeeze cement behind 7" casing with pre-determined cement volume that occupies no more annular volume than that required to place top of cement.
Disengage from retainer, reverse circulate to clean tubulars, and TOH.
WOC 24 hours.
Obtain CBL
- 81B If no circulation to surface, but injection established, consult with WET engineer for procedure:
RIH with sliding-sleeve style cement retainer on work string
Set retainer above perfs
Establish injection
Disengage from retainer and spot cement at bottom of work string
Squeeze cement behind 7" casing with pre-determined cement volume that occupies no more than annular volume that required to place top of cement.
Disengage from retainer, reverse circulate to clean tubulars, and TOH.
WOC 24 hours.
Obtain CBL
- 81C If no circulation or injection established, consult with WET engineer for procedure:
Perforate at 3500' and repeat process above. Note that if injection/circulation established will need cover lower perf interval with cement before squeeze.
- 81D If no circulation or injection established, consult with WET engineer for procedure:
Perforate at 3000' and repeat process above. Note that if injection/circulation established will need cover lower perf interval with cement before squeeze.
- 81E If no circulation or injection established, consult with WET engineer for procedure:
Perforate at 2500' and repeat process above. Note that if injection/circulation established will need cover lower perf interval with cement before squeeze.
- 82 If no circulation or injection established, consult with WET engineer for procedure:
Spot balanced cement plugs from CIDBP to 2100'. WOC and tag - consult with WET engineer.
Perforate thru both 7" and 8-5/8" casings (consult with perf company for charge required) at 2000' and perform injection test. If circulation/injection established, proceed to next step.
- 83 TIH with work string and install balanced cement plugs from BP to 1600'.
- 84 POOH to above cement, reverse circulate to clean tubulars, pull 5 joints, close pipe rams, and WOC.
- 85 WOC minimum 4 hours. RIH and tag cement.

Consult with WET engineer on next Steps/procedure to complete plugging operations.

Handwritten signature and date 12-29-20

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

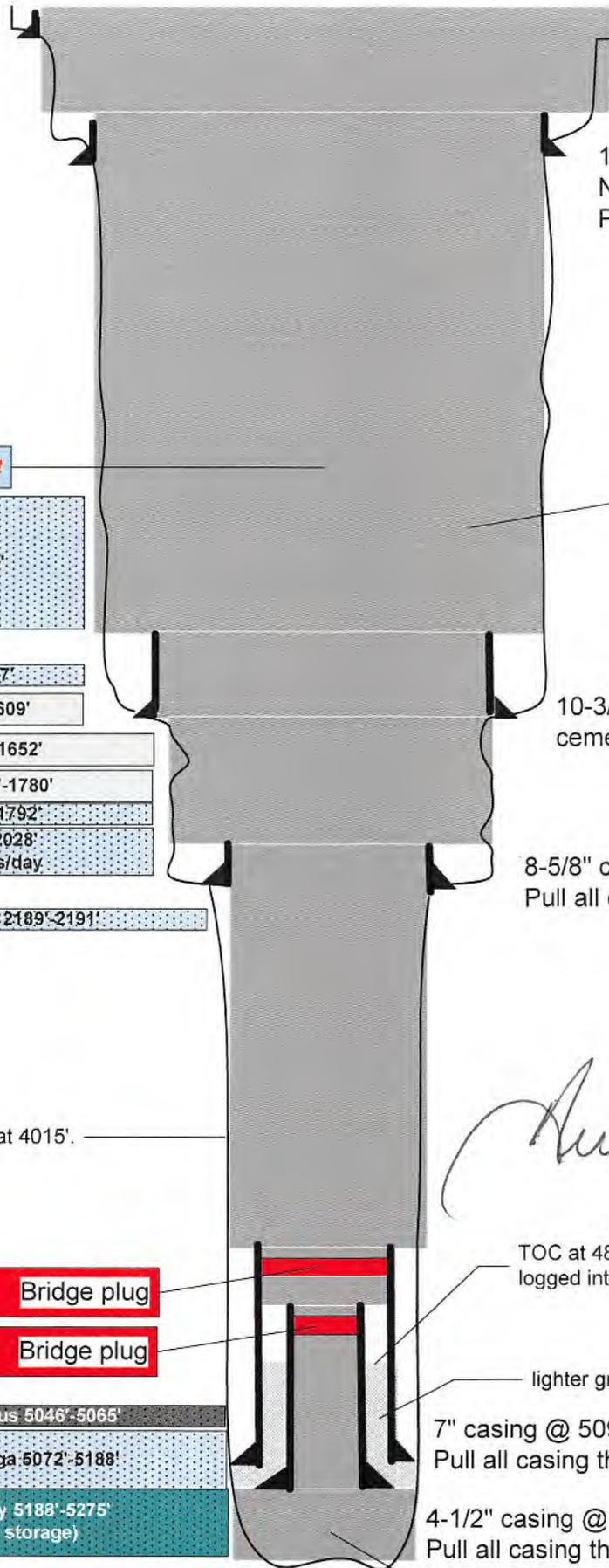
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03/26/2021

~ not to scale ~

* No fresh water shows reported by driller



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Environmental Protection
darker grey indicates plugging cement

Sea Level @ 895 ft

Salt Sand 939'-1405'

Little Lime 1563'-1597'

Beekmantown 1600'-1609'

Big Lime 1616'-1652'

Loyalhanna 1664'-1780'

Big Injun 1740'-1792'

Weir SS 1855'-2028'
Show oil: 10:bbbls/day

Berea SS 2189'-2191'

Shale gas show at 4015'

Bridge plug

Bridge plug

Marcellus 5046'-5065'

Onodaga 5072'-5188'

Oriskany 5188'-5275'
(gas storage)

16" casing @ 16'. No record of cement.

13-3/8" casing @ 398'.
No record of cement.
Pull all casing that is free.

10-3/4" casing @ 1610'. No record of cement. Pull all casing that is free.

8-5/8" casing @ 2065'. No record of cement. Pull all casing that is free.

TOC at 4840' per CBL, but top logged interval only 4180'

Angus White
12-29-20

lighter grey indicates original cement

7" casing @ 5094'. No record of cement. Pull all casing that is free.

4-1/2" casing @ 5166'. Cemented with 21 sx. Pull all casing that is free.

TD 5277'

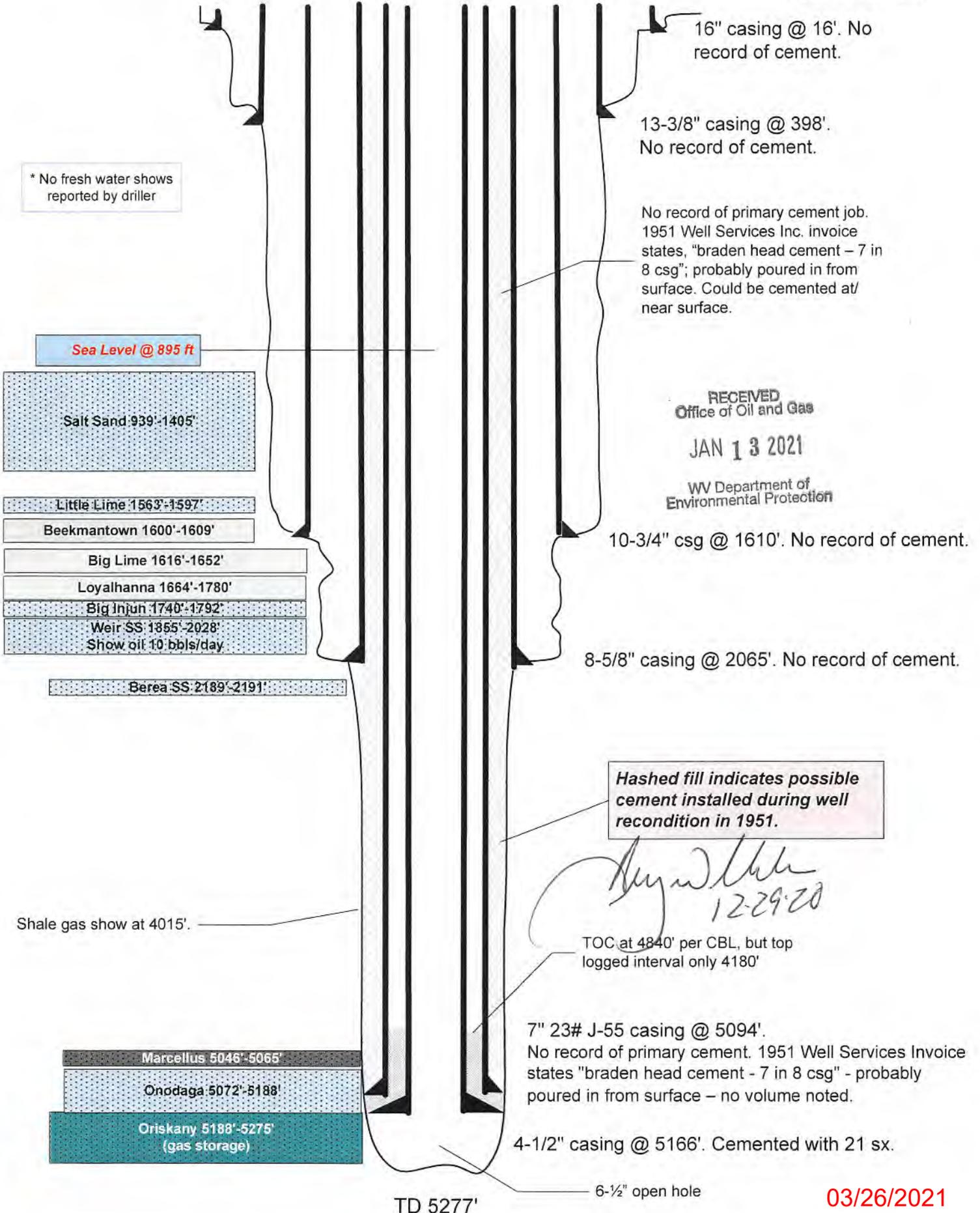
6-1/2" open hole

03/26/2021

~ not to scale ~

4703901258P
COCO B 7075

Prior to P&A
(as of 10/14/2020)



03/26/2021

WR-35

DATE: API # 47-039-01258-F

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

Reviewed: AMP

Well Operator's Report of Well Work

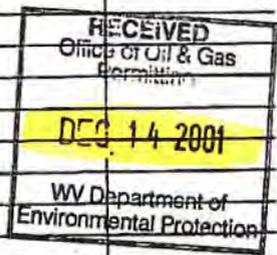
Farm name: Boggs Operator Well No.: 7075

LOCATION: Elevation: 893.20 Quadrangle: Blue Creek, WV

District: ELK County: Kanawha
Latitude: Feet South of 38 Deg. 24 Min. 479 Sec.
Longitude: Feet West of 81 Deg. 28 Min. 3378 Sec.

Company: Columbia Gas Transmission

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>RR 2 Box 138</u>				
<u>Sandyville, WV 25275</u>				
Agent: <u>Paul Amick</u>				
Inspector: <u>Carlos Hively</u>				
Date Permit Issued: <u>8-2-01</u>				
Date Well Work Commenced: <u>8-16-01</u>				
Date Well Work Completed: <u>8-25-01</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig				
Total Depth (feet):				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)?				
Coal Depths (ft.):				



OPEN FLOW DATA

Producing formation Oriskany Sand Pay zone depth (ft) 5247' - 5277'
 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
 * - Not Applicable - STORAGE RESERVOIR
 Second producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: [Signature]
By: JOHN V. McALLISTER
Date: 12-12-01



Office of Oil and Gas
1356 Hansford Street
Charleston, WV 25301
Phone: (304) 558-6075
Phone: (304) 558-6076
Fax: (304) 558-6047

West Virginia Department of Environmental Protection

Bob Wise,
Governor

Michael O. Callaghan
Secretary

August 02, 2001

**WELL WORK PERMIT
Fracture**

This permit, API Well Number: 47-3901258, issued to COLUMBIA GAS TRANSMISSION CORP., is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-654-3312 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 drilling, 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.

This permit will expire in two (2) years from the issue date.

If there are any questions, please feel free to contact me or Mr. Al Blankenship at 304-558-6342.


JOHN JOHNSTON
Chief,
Office of Oil and Gas

Operator's Well No: 7075
Farm Name: BOGGS, PHYLLIS
API Well Number: 47-3901258
Permit Type: Fracture
Date Issued: 08/02/2001



Form: WW - 2B

39-01258F

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

4 258

1) Well Operator Columbia Gas Transmission 10450 Kanawha Elk Blue Creek
Operator ID County District Quadrangle

2) Operator's Well Number: Coco B #7075 3) Elevation: 893.2'

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

5) Proposed Target Formation(s): Oriskany Sandstone

6) Proposed Total Depth: 5277 Feet

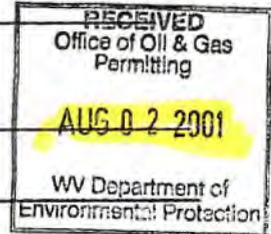
7) Approximate fresh water strata depths: Not reported

8) Approximate salt water depths: Not reported

9) Approximate coal seam depths: None

10) Does land contain coal seams tributary to active mine? No

11) Describe proposed well work Stimulate Oriskany Sandstone by hydraulically fracturing



12) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT	
	Size	Grade	Weight	Drilling		Left in well
Conductor	14"		48#/ft	398'	398'	
Surface	10-3/4"		40#/ft	1610'	1610'	
Intermed.	8-5/8"		24#/ft	2065'	2065'	
Intermed.	7"		23#/ft	5094'	5094'	
Production	4-1/2"		11.6#/ft	5166'	5166'	25 sx

Packers: Kind Halliburton Full Flow
Sizes 4-1/2" x 6-1/2"
Depths Set 5166'

C. H. 7-26-01

f 250

8-16-01

Stimulated Oriskany sand w/
1000 gal 28% HCl
468 bbls Water
25,000# 20/40 sand
121,000 scf N₂
Avg treating pressure 3300 psig

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



Select County: (039) Kanawha (Check All)

Enter Permit #: 01258

Location Production Plugging

Owner/Completion Stratigraphy Sample

Pay/Show/Water Logs Btm Hole Loc.

- [Table Descriptions](#)
- [County Code Translations](#)
- [Permit-Numbering Series](#)
- [Usage Notes](#)
- [Contact Information](#)
- [Disclaimer](#)
- [WVGES Main](#)
- ["Pipeline-Plus" New](#)

WV Geological & Economic Survey:

Well: County = 39 Permit = 01258

Report Time: Monday, March 22, 2021 1:41:56 PM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4703901258	Kanawha	1258	Elk	Blue Creek	Clendenin	38.401536	-81.47587	458448.7	4250475

There is no Bottom Hole Location data for this well

Owner Information:

API	CMP_DT	SUFFIX	STATUS	SURFACE_OWNER	WELL_NUM	CO_NUM	LEASE	LEASE_NUM	MINERAL_OWN	OPERATOR_AT_COMPLETION	PROP_VD	PROP_TRGT_FM	TFM_EST_PR
4703901258	7/21/1946	Original Loc	Completed	Roxalana Agree		1				Dearth, G., et al			
4703901258	-/-	Worked Over	Permitted	Phyllis Boggs			7075		Phyllis Boggs	Columbia Gas Transmission Corp.			

Completion Information:

API	CMP_DT	SPUD_DT	ELEV	DATUM	FIELD	DEEPEST_FM	DEEPEST_FMT	INITIAL_CLASS	FINAL_CLASS	TYPE	RIG	CMP_MTHD	TVD	TMD	NEW_FTG	KOD	G_I
4703901258	7/21/1946	2/6/1946	894	Ground Level	Blue Ck(Fig Rk)	ORSK-Heldbg(undiff)		Development Well	Development Well	Gas	unknown	unknown	5277			5277	
4703901258	-/-	-/-	894	Ground Level				unclassified	unclassified	not available	unknown	unknown					

Pay/Show/Water Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH_BOT	FM_BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER_QNTY
4703901258	7/21/1946	Water	Salt Water	Vertical				980					0
4703901258	7/21/1946	Show	Gas	Vertical			4215	Big White Slate	0	0			
4703901258	7/21/1946	Pay	Gas	Vertical	5250	Oriskany	5275	Oriskany	0	0			

There is no Production Gas data for this well

There is no Production Oil data for this well ** some operators may have reported NGL under Oil

There is no Production NGL data for this well ** some operators may have reported NGL under Oil

There is no Production Water data for this well

Stratigraphy Information:

API	SUFFIX	FM	FM_QUALITY	DEPTH_TOP	DEPTH_QUALITY	THICKNESS	THICKNESS_QUALITY	ELEV	DATUM
4703901258	Original Loc	Salt Sands (undiff)	Well Record	900	Reasonable	510	Reasonable	894	Ground Level
4703901258	Original Loc	Maxton	Well Record	1530	Reasonable	30	Reasonable	894	Ground Level
4703901258	Original Loc	Little Lime	Well Record	1563	Reasonable	32	Reasonable	894	Ground Level
4703901258	Original Loc	Pencil Cave	Well Record	1595	Reasonable	2	Reasonable	894	Ground Level
4703901258	Original Loc	Greenbrier Group	Well Record	1597	Reasonable	143	Reasonable	894	Ground Level
4703901258	Original Loc	Big Lime	Well Record	1597	Reasonable	143	Reasonable	894	Ground Level
4703901258	Original Loc	Price Fm & eqivs	Well Record	1740	Reasonable	0	Qstnble Pick	894	Ground Level
4703901258	Original Loc	Big Injun (Price&eq)	Well Record	1740	Reasonable	52	Reasonable	894	Ground Level
4703901258	Original Loc	Weir	Well Record	1792	Reasonable	242	Reasonable	894	Ground Level
4703901258	Original Loc	Big White Slate	Well Record	4150	Reasonable	480	Reasonable	894	Ground Level
4703901258	Original Loc	Rhinestreet Sh	Well Record	4630	Reasonable	328	Reasonable	894	Ground Level
4703901258	Original Loc	Onondaga Ls	Well Record	5079	Reasonable	109	Reasonable	894	Ground Level
4703901258	Original Loc	Oriskany	Well Record	5188	Reasonable	49	Reasonable	894	Ground Level
4703901258	Original Loc	Helderberg	Well Record	5237	Reasonable	0	Reasonable	894	Ground Level

There is no Wireline (E-Log) data for this well

There is no Plugging data for this well

Sample Information:

API	CUT1_TOP	CUT1_BOT	CUT2_TOP	CUT2_BOT	CORE1_TOP	CORE1_BOT	FM1_TOP	FM1_BOT	CORE2_TOP	CORE2_BOT	FM2_TOP	FM2_BOT	SMPL_THN_SEC1	SCAN1	SLAB1	PERM1_THN_SF
4703901258	5065		5277													

4703901258P

WORK ORDER

REQUEST NO. 3224 9-5189 1951 BUDGET NO. 595 WORK ORDER NO. 8353
 DATE March 15, 19 51 DATE ISSUED 7-19-- 19 51

COMPANY United Fuel Gas Company DEPT. (For Storage) DIVISION Production DISTRICT Clendenin
 PROPOSED WORK Recondition Well X-52B-7075 (6634) and Install Miscellaneous Material.

KNOWN AS Well X-52B-7075 (6634) - Additions. ORIGINAL INSTALLATION NO. _____
 PURPOSE AND NECESSITY To clean out Well, and to install 2" Tubing, and Miscellaneous equipment, due to well being converted into a Storage Well in Pool X-52B.

LOCATION: Well X-52B-7075 (6634) Roxalana Acree Farm.
 IN Elk Rural Kanawha West Virginia
DISTRIBUTION PLANT MAGISTERIAL DISTRICT TAXING DISTRICT COUNTY STATE

RELATED PROJECT WORK ORDER NO. 7646 FOR Well #6634 (X-52B-7075) - Part Removal.
 APPROVED BY John C. Martin APPROVED BY Ira Good

DETAIL OF EXPENDITURES						
MATERIAL TO BE INSTALLED. ESTIMATE PRICE	SIZE	ESTIMATE		ACTUAL		VARIATION
		QUANTITY	AMOUNT	QUANTITY	AMOUNT	
Nord. #2349 Flg. P. V. Comp.	4"	1	376.00	1	380.24	4.24
Orbit Sc. Gate Valve	2"	1	107.00	1	107.80	.80
Type "Q" Tbnng. Head	7"x2"	1	360.00	1	360.00	-
Turnbuckles 11.88	1 1/2"x18"	2	24.00	2	25.34	1.34
Anc. Clamps	2"	1	22.00	1	22.00	-
Steel Tubing 4# .23	2"	5300'	1,219.00	5343'	2,003.59	784.59
Fittings			20.00		42.91	22.91
TOTAL MATERIAL			2,128.00		2,941.88	813.88
NON-MATERIAL EXPENDITURE COST						
Recondition						
Direct Labor			1,200.00		890.49	* (309.51)
Use of Auto and Hauling			300.00		708.36	* 408.36
Tools, Supplies and Miscellaneous Expense			25.00		26.24	1.24
Hauling Erecting & Dismantling Spudder			400.00		-	* (400.00)
Fuel			25.00		56.00	31.00
Stores Expense and Freight			172.00		239.36	67.36
Labor Benefits Overheads			230.00		170.96	(59.04)
Administrative Overheads			24.00		27.56	3.56
TOTAL NON-MATERIAL EXPENDITURE COST			2,376.00		2,118.97	(257.03)
TOTAL ESTIMATE /Recondition			4,504.00		5,060.85	556.85

INDICATE NORTH SKETCH (CORRECT TO ACTUAL) INVENTORY MAP NO. F-119
 Map Square 70-61

NOTE: Move in Bucyrus Erie Spudder, & String of Cleaning Out Tools, Clean Out Well, Run 2" Tubing, Install heavy equipment, Leave well shut in, and report results.

* Hauling, Erecting & Dismantling Spudder charges included in Direct Labor and Use of Auto and Hauling.

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 JAN 13 2021
 WV Department of
 Environmental Protection

03/26/2021

2-595-8353

COMPLETION REPORT

MAKE NECESSARY REVISIONS ON SKETCH TO SHOW WORK ACTUALLY PERFORMED, INDICATING LOCATION AND DIMENSIONS OF SPECIAL CONSTRUCTION.

FOR LINE WORK ON ESTABLISHED STREET OR HIGHWAY, INDICATE ON SKETCH THE DISTANCE OF LINE FROM ADJOINING PROPERTY, ALSO PORTION UNDER PAVING.

WHEN LINE EXTENDS INTO TWO OR MORE TAX DISTRICTS, LIST BELOW PORTION INSTALLED OR RETIRED, IN EACH

_____ FT. OF _____	_____ SIZE _____	_____ KIND _____	_____ TOWN TWP _____	_____ DIST. _____	_____ COUNTY _____
_____ FT. OF _____	_____ SIZE _____	_____ KIND _____	_____ TOWN TWP _____	_____ DIST. _____	_____ COUNTY _____
_____ FT. OF _____	_____ SIZE _____	_____ KIND _____	_____ TOWN TWP _____	_____ DIST. _____	_____ COUNTY _____
_____ FT. OF _____	_____ SIZE _____	_____ KIND _____	_____ TOWN TWP _____	_____ DIST. _____	_____ COUNTY _____

MATERIAL INSTALLED OR RETIRED

MATERIAL INSTALLED OR RETIRED

QUANTITY	SIZE	DESCRIPTION	QUANTITY	SIZE	DESCRIPTION
1	7"x2"	Type T-26 Fig. 103 Tubing Head			
1	2"	Orbit Fig. 204 Gate Valve			
1	4"	Nord Fig. 2349 Flg. Plug Valve			
2	4"	Ser. 900# W/N Flanges			
1	1/2"x18"	Heavy Steel Nipple			
2	1-1/2"x18"	Turnbuckles			
2	3-7/8"x18-1/8"x1/16"	Gaskets			
1	7"x9"	Steel Casing Nipple			
16	1-1/8"x7"	Steel Stud Bolts			
6"	2"	Steel Pipe Nipple			
1	2"x1/2"	Tapped Steel Bull Plug			
2	1/2"	Kerotest M/F Steel Needle Valves			
1	2-3/8"x36"	Tubing Anchor Clamps			
2	1"x18"	Eye Bolts			
5342'	11"	2-3/8" 4.6# Steel Tubing			
10#	6-D	Wire Nails			
10#	10-D	Wire Nails			
10#	20-D	Wire Nails			
16	Qts.	Amalie Motor Oil			

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MATERIAL TRANSFER NUMBERS: ~~March, 1951 # 27 - April, 1951 # 101-213-103 - May - 21-24-25-30-34 - August - 142.~~

PIPE COATING

ORIGINAL INSTALLATION DATES OF PROPERTY RETIRED

QUANTITY	KIND	FT. OF PIPE	QUANTITY	KIND	DATE

TYPE OF JOINTS _____
 EXCAVATION: BY HAND _____ FT. MACHINE _____ FT.
 WIDTH OF TRENCH _____ FT. AVG. DEPTH _____ FT.
 TYPE OF PAVING: _____
 PAVING CUT: WIDTH _____ FT. LENGTH _____ FT.
 DESCRIBE NATURE OF SOIL: _____
 REPORT UNUSUAL CONDITIONS ENCOUNTERED IN CONSTRUCTION: _____

INFORMATION TO BE FURNISHED FOR SMALL STRUCTURES:
 OUTSIDE DIM. LENGTH _____ WIDTH _____
 HEIGHT TO EAVES _____ HEIGHT TO RIDGE _____
 FOUNDATION: KIND _____
 THICKNESS _____ HEIGHT ABOVE GROUND _____ DEPTH BELOW GROUND _____
 FLOOR: KIND _____ THICKNESS _____
 WALL: KIND _____ THICKNESS _____
 ROOF: TYPE _____ KIND _____
 DOORS: NO. _____ SIZE _____ KIND _____
 WINDOWS: NO. _____ SIZE _____ KIND _____
 PAINTING _____
 MISCELLANEOUS _____

03/26/2021

REASON FOR OVERRUN-UNDERRUN: Labor underrun due to less cleaning out than was anticipated. As this well originally was purchased we did not know just what was in the hole to be cleaned out.

DATE WORK STARTED 3-26-51 DATE WORK COMPLETED 4-26-51
 COMPILED BY Donald D. Rucker DATE 8-11-51 APPROVED BY John C. Martin DATE 8/14/51

Approved by 0026

4703901258

FORM 631



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

NOTICE OF PROPOSED LOCATION OF OIL AND GAS WELL

To THE DEPARTMENT OF MINES,
Charleston, W. Va.

7700 rev. F. Harco's will 6.6.34

COAL OPERATOR OR COAL OWNER

ADDRESS

COAL OPERATOR OR COAL OWNER

ADDRESS

Roxalana Acree
OWNER OF MINERAL RIGHTS

Pinch, W. Va.
ADDRESS

Glenn Dearth
NAME OF WELL OPERATOR

Charleston National Bank Bldg.
Charleston, W. Va.
COMPLETE ADDRESS

December 31, 1945
PROPOSED LOCATION

Elk District

Kanawha County

Well No. 1 38° 25' 7100'
81° 25' 7-52-7075

Roxalana Acree Farm

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated December 11, 1909, made by Geo. C. & Roxalana Acree, to The Hamilton Company, and recorded on the 11 th. day of January 1911, in the office of the County Clerk for said County in Book 18, page 392

The enclosed plat was prepared by a competent engineer and shows the proposed location of a well to be drilled for oil and gas by the undersigned well operator on the farm and in the Magisterial District and County above named, determined by survey and courses and distances from two permanent points, or land marks.

The undersigned well operator is informed and believes there are no coal operators operating beds of coal beneath said farm or tract of land on which said well is located, or within 500 feet of the boundaries of the same, who have mapped their workings and filed their maps as required by law, excepting the coal operators or coal owners (if any) above named as addressees.

The above named coal operators or coal owners (if any) are notified that any objections they may desire to make to such proposed location, or which they are required to make by Section 3 of said Code, if the drilling of a well at said proposed location will cause a dangerous condition in or about their respective coal mines, must be received by, or filed with the Department of Mines within ten days from the receipt of a copy of this notice and accompanying plat by said Department. Said coal operators are further notified that forms for use in making such objections will be furnished to them by the Department of Mines promptly on request and that all such objections must set forth as definitely as is reasonably possible the ground or grounds on which such objections are based and indicate the direction and distance the proposed location should be moved to overcome same.

(The next paragraph is to be completed only in Department's copy.)

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

Glenn Dearth
WELL OPERATOR

P.O. Box 1046
STREET

Charleston
CITY OR TOWN

West Virginia
STATE

Address of Well Operator



*Section 3 If no such objections be filed or be found by the department of mines, within said period of ten days from the receipt of said notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a drilling permit reciting the filing of such plat, that no objections have been made by the coal operators to the location, or found thereto by the department, and that the same is approved and the well operator authorized to proceed to drill at said location.

1258

03/26/2021

Provided by - MCG

4703901258

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

Okudomin

WELL RECORD

Permit No. KAN1258 Oil or Gas Well Gas
(Kind)

Company Glenn Dearth
 Address P.O. Box 1046, Charleston W. Va.
 Farm Roxalana Acre Acres
 Location (waters) Indian Creek
 Well No. 1 Elev.
 District Elk County Kenawha
 The surface of tract is owned in fee by Roxalana
Acre Address
 Mineral rights are owned by Same
 Address
 Drilling commenced February 6 th 46
 Drilling completed July 21st 1946
 Date shut Depth of shot
 Open Flow /10ths Water in Inch
 /10ths Merc. in Inch
 Volume Gas Well Cu. Ft.
 Rock Pressure lbs. hrs.
 Oil bbls, 1st 24 hrs.
 Fresh water feet
 Salt water feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16		13	Kind of Packe
13		398	
10		1510	Size of
8 1/2		2068	
6 5/8	7"	5094	Depth set
5 3/16			
3			Perf. top
2		5277	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. FT. Date
 COAL WAS ENCOUNTERED AT FEET INCHES
 FEET INCHES FEET INCHES
 FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Soil			0	40			
Slate			40	125			
Sand			125	170			
Slate	Blrown		170	196		196	
Slate			196	198			
Slate			198	205			
Sand			205	225			
Slate			225	252			
Slate	Gray		252	254			
Slate			254	260			
Sand			260	320			
Slate			320	390			
Sand			390	4 20			
Slate & Shells			420	455			
Sand			455	470			
Slate			470	525			
Sand			525	540			
Slate & Shell			540	595			
Sand			595	630			
Slate & Shell			630	725			
Sand			725	780			
Slate & Shell			780	810			
Sand			810	830			
Slate & Shell			830	900			
Sand, Salt			900	1410	Salt Water	980	Hole Full
Lime			1410	1458			
Slate & Shells			1458	1460			
Lime Shell			1450	1460			
Slate			1466	1460			
Lime			1468	1500			
Red Rock			1500	1518			
Black Lime			1518	1530			
Maxon Sand			1530	1560			
Slate			1560	1563			
Little Lime			1563	1595			
Slate			1595	1597			
Big Lime			1597	1740			
Big Injun			1740	1792			
Weir Sand			1792	2034			
Slate			2034	3860			
Shale			3860	3890			
Slate &			3890	4150			



[Handwritten signature]

(Over)

03/26/2021

WW-4A
Revised 6-07

1) Date: 12/24/2020
2) Operator's Well Number
Coco B 7075
3) API Well No.: 47 - 039 - 01258

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>Jeffrie R. and Connie F. Sheets</u>	Name <u>Not operated</u>
Address <u>22 Quick Road</u>	Address _____
<u>Elkview, WV 25071</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Terry Urban</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 1207</u>	Name _____
<u>Clendenin, WV 25045</u>	Address _____
Telephone <u>304.549.5915</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 12/29/20
 Its: Team Leader - Well Engineering and Technology
 Address 48 Columbia Gas Road
Sandyville, WV 25275
 Telephone 304.373.2412

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Office of Oil and Gas

Subscribed and sworn before me this 29th day of December
Michael D McClung Notary Public
My Commission Expires June 19, 2022

JAN 13 2021
WV Department of
Environmental Protection

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.

03/26/2021

4703901258A



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

December 24, 2020

Jeffrie and Connie Sheets
22 Quick Road
Elkview, WV 25071

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 Coco B 7075 (API 47-039-01258).

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 Amos'.

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

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JAN 13 2021
WV Department of
Environmental Protection

4703901258P

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Office of Oil and Gas

JAN 13 REC'D

WV Department of
Environmental Protection



SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY																	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature <input checked="" type="checkbox"/> MS K3 Covid19 <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee																	
1. Article Addressed to: JEFFREY & CONNIE SHEETS 22 QUICK ELKVIEW, WV 25071	B. Received by (Printed Name) J. Sheets	C. Date of Delivery 1/4/2021																
 9590 9402 3688 7335 3538 40	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No																	
2. Article Number (Transfer from service label) 7017 0660 0001 0359 5590	3. Service Type <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Return Receipt for Merchandise</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Mail</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Mail Restricted Delivery (00)</td> <td></td> </tr> </table>		<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Mail		<input type="checkbox"/> Mail Restricted Delivery (00)	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®																	
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™																	
<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery																	
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise																	
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™																	
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery																	
<input type="checkbox"/> Mail																		
<input type="checkbox"/> Mail Restricted Delivery (00)																		
PS Form 3811, July 2015 PSN 7530-02-000-9053		Domestic Return Receipt																

03/26/2021

SURFACE OWNER WAIVER

4703901258 P

Operator's Well
Number

Coco B 7075

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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WV Department of
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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
03/26/2021

WW-4B

API No. 47-039-01258 P
Farm Name _____
Well No. Coco B 7075

**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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JAN 13 2021
WV Department of
Environmental Protection

03/26/2021

WW-9
(5/16)

4703901258P

API Number 47 - 039 - 01258
Operator's Well No. _____

RECEIVED
Office of Oil and Gas
JAN 13 2021
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 OP Code 307032

Watershed (HUC 10) Flatwood Run of Indian Creek Quadrangle Blue Creek

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 *tu*

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? _____

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Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

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-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) subsoils

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Environmental Protection

-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on 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 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

Michael D McClung

Notary

My commission expires June 19, 2022



03/26/2021

Operator's Well No. _____

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

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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:

[Handwritten Signature]

Comments:

Title:

Inspector Del E Coas

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): Flatwood Run of Indian Creek Quad: Blue Creek
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.

Flatwood Run - 0.16 miles. Rippling Waters Campground (ID WV9918017) - 13.5 miles.

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

N/A

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

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.

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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.

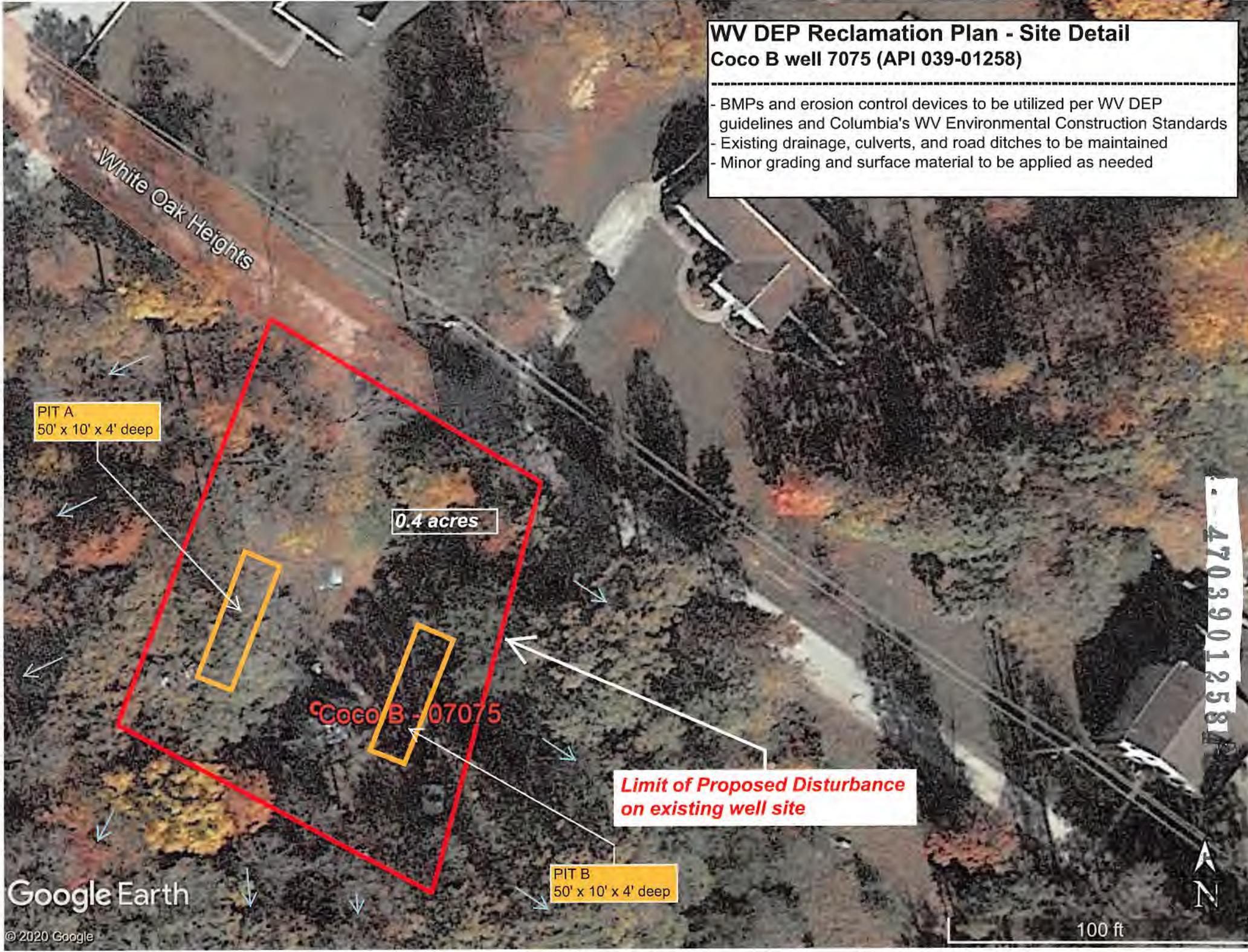
Signature: [Signature] 12/29/20

Date: 12/29/20

WV DEP Reclamation Plan - Site Detail

Coco B well 7075 (API 039-01258)

- 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



0.4 acres

PIT A
50' x 10' x 4' deep

Coco B - 07075

Limit of Proposed Disturbance
on existing well site

PIT B
50' x 10' x 4' deep

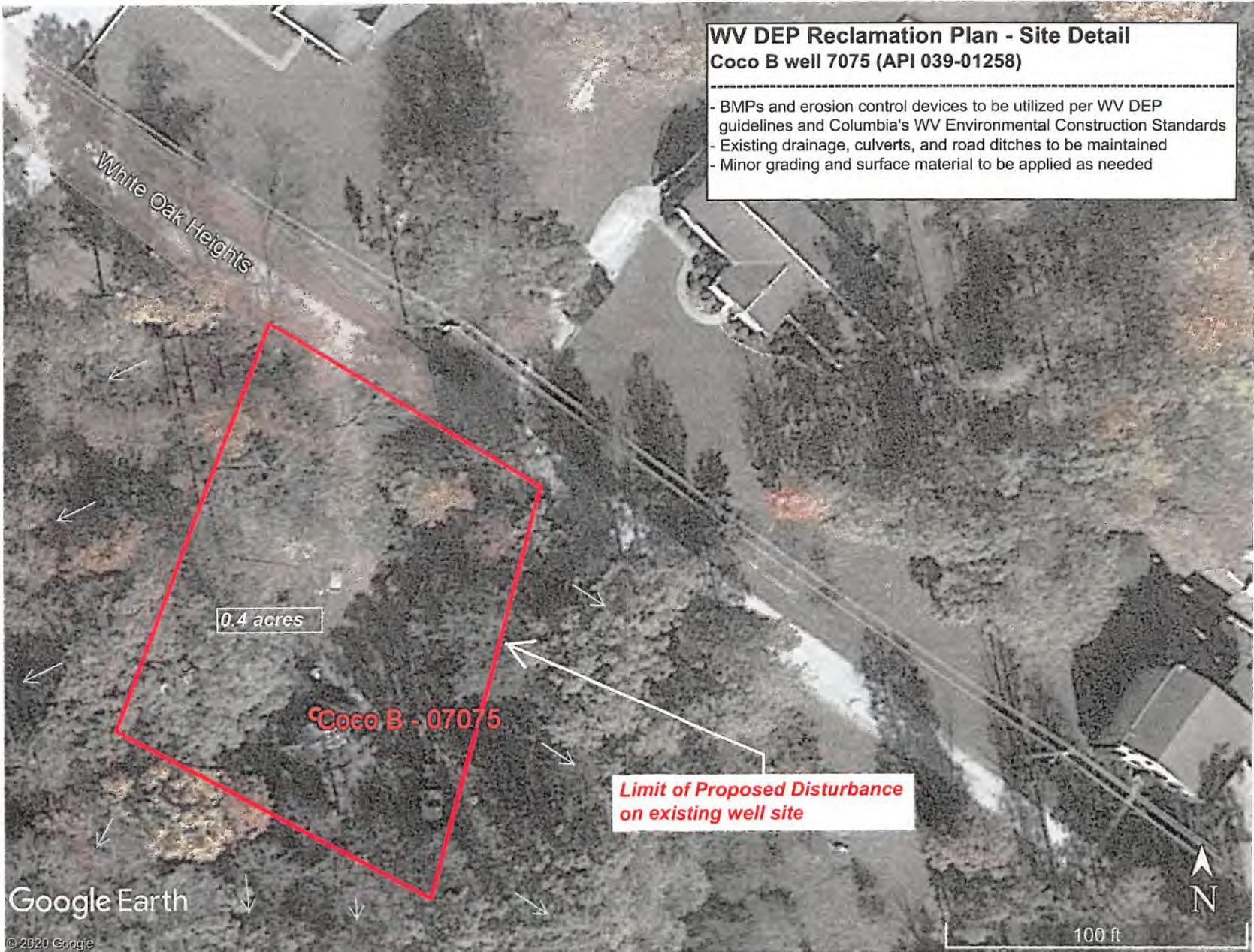
Google Earth

© 2020 Google

100 ft

4703901258





WV DEP Reclamation Plan - Site Detail
Coco B well 7075 (API 039-01258)

- 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
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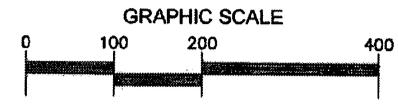
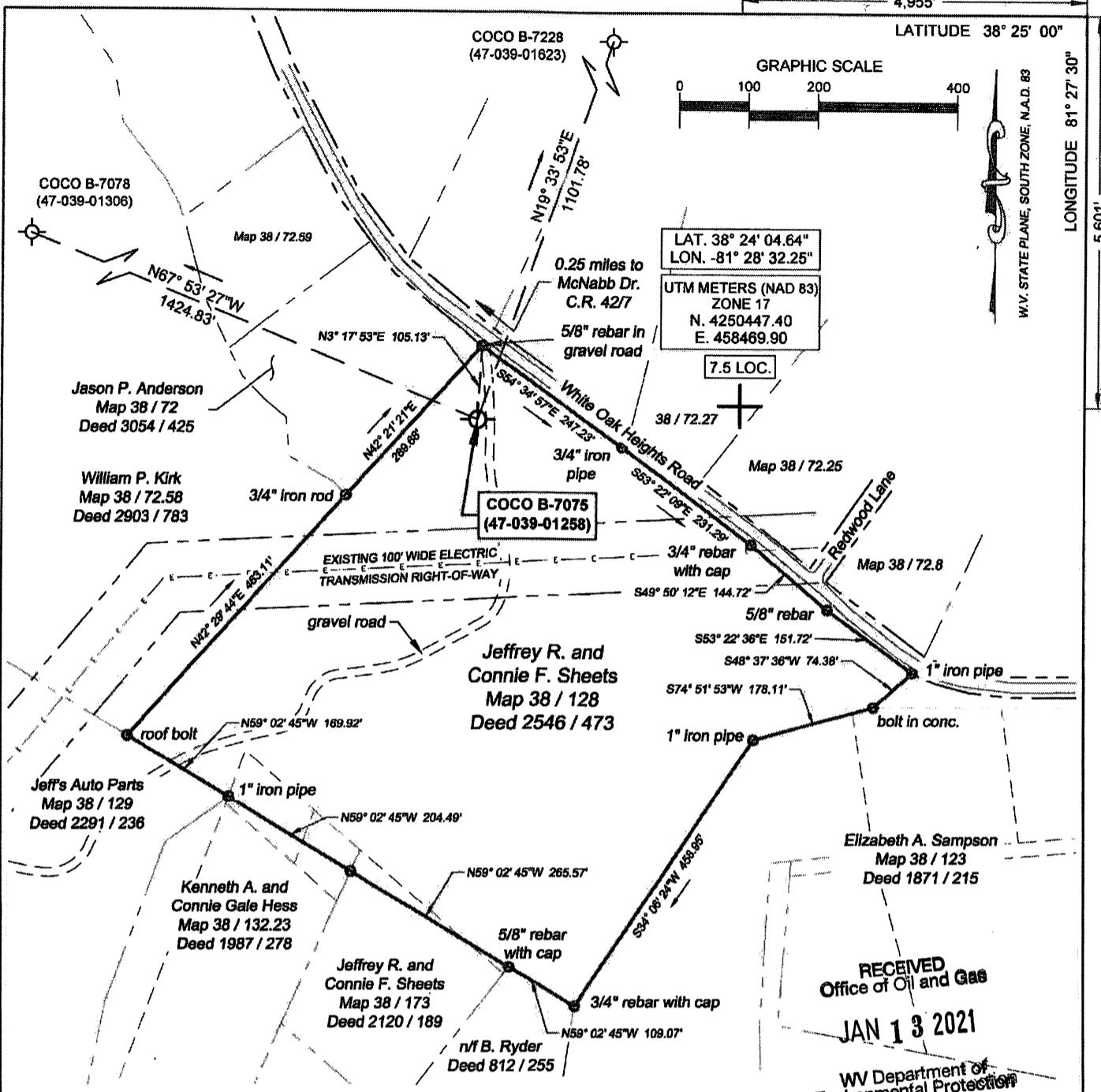
WV DEP Reclamation Plan - Overview
Coco B well 7075 (API 039-01258)

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

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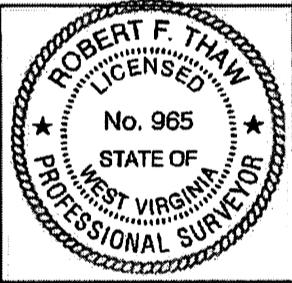
LAT. 38° 24' 04.64"
 LON. -81° 28' 32.25"
 UTM METERS (NAD 83)
 ZONE 17
 N. 4250447.40
 E. 458469.90
 7.5 LOC.

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

FILE No. 2001-3079-001-007
 DRAWING No. 2001-3079-001-007
 SCALE 1"=200'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION TRIMBLE R10
GPS UNIT

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.
 (SIGNED) R. F. Thaw
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 OCTOBER 22 2020
 OPERATOR'S WELL No. 7075
 API WELL No. 47 039 - 01258P

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

LOCATION: ELEVATION 895.0' WATER SHED FLATWOOD RUN OF INDIAN CREEK
 DISTRICT ELK COUNTY KANAWHA
 QUADRANGLE BLUE CREEK, WV

SURFACE OWNER JEFFRIE R. SHEETS AND CONNIE F. SHEETS ACREAGE 8.42
 OIL & GAS ROYALTY OWNER 1) GEORGE C. ACREE, JR, ET AL, 2) GRACE J. MATHENY, 3) URSULA C. MUDD
 LEASE ACREAGE 1) 70.5 AC., 2) 60 AC., 3) 60 AC. LEASE NO. 1)1050069-000, 2)1048322-001, 3)1048322-002

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE
 STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 03/26/2021
 PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION ORISKANY ESTIMATED DEPTH 5277
 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