



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

Tuesday, October 10, 2023
WELL WORK PERMIT
Vertical / Re-Work

COLUMBIA GAS TRANSMISSION, LLC
1700 MACCORKLE AVENUE SE

CHARLESTON, WV 25314

Re: Permit approval for 7249 ROCKPORT
47-107-00288-00-00

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

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

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

James A. Martin
Chief

A handwritten signature in blue ink, appearing to read 'James A. Martin', is written over a white rectangular area.

Operator's Well Number: 7249 ROCKPORT
Farm Name: BOYCE, LAWRENCE O.
U.S. WELL NUMBER: 47-107-00288-00-00
Vertical Re-Work
Date Issued: 10/10/2023

Promoting a healthy environment.

10/13/2023

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code §22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR 4-19.1.c, if the operator is unable to sample and analyze any water well or spring with one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
7. Well work activities shall not constitute a hazard to the safety of persons.
8. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

10/13/2023

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

1) Well Operator: Columbia Gas Transmission, LLC

307032	Wood	Steele	Rockport
--------	------	--------	----------

Operator ID County District Quadrangle

2) Operator's Well Number: Rockport 7249 3) Elevation: 1027

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

5) Proposed Target Formation(s): Oriskany Proposed Target Depth: 5360

6) Proposed Total Depth: 5360 (existing) Feet Formation at Proposed Total Depth: Oriskany

7) Approximate fresh water strata depths: 740', 932 - 937', 1490', 1635', 1795', 2045 - 2050' as reported in database,

8) Approximate salt water depths: see above, no distinction between fresh or salt water, formations "Sand" and "Maxton Sand"

9) Approximate coal seam depths: None reported

10) Approximate void depths,(coal, Karst, other): None reported

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

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12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)

SEP 12 2023

Snub tubing out of the well, run cased hole logs, perform coil tubing cleanout and 1200 gallon 15% acid stimulation, re-perforate, pending results potentially fracture stimulate, snub tubing back in the well.

* casing and equipment listed below are existing

WV Department of
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13) **CASING AND TUBING PROGRAM** * existing

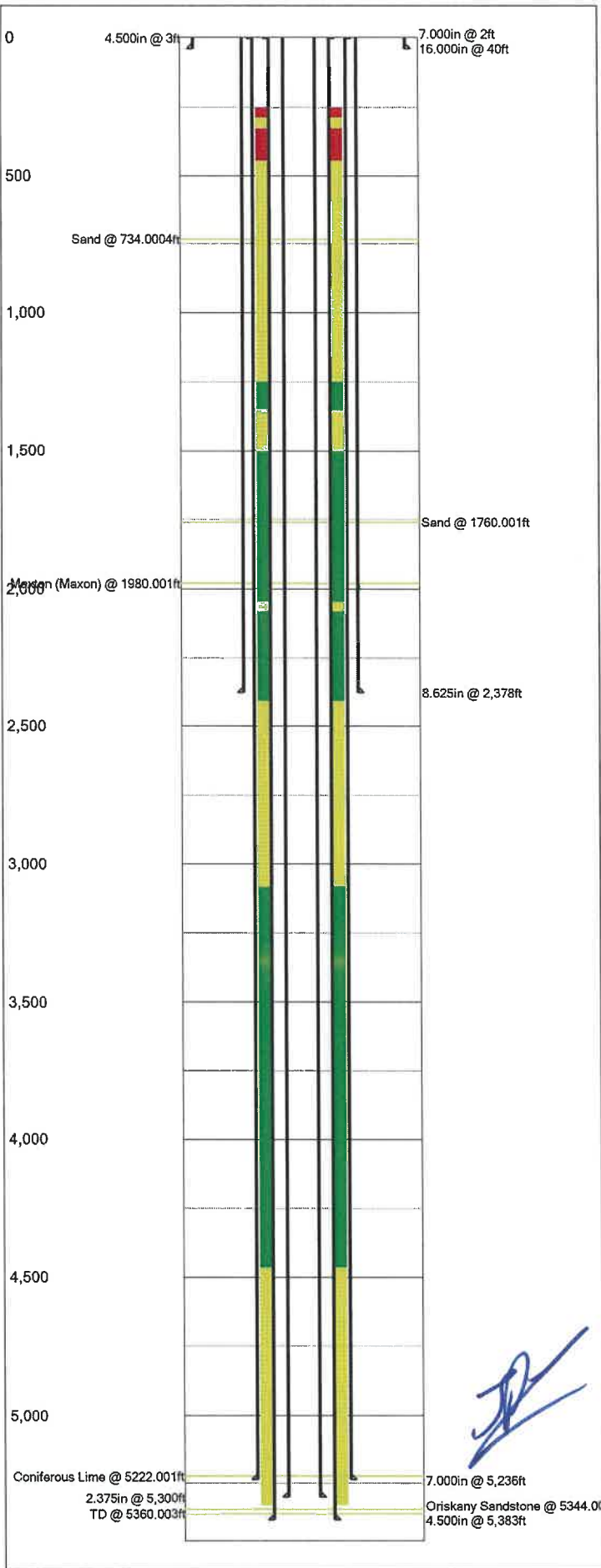
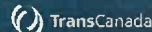
TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	
Conductor	16 *			40	40	
Fresh Water	8-5/8 *		24	2378	2378	
Coal						
Intermediate	7 *		23	5236	5236	
Production	4.5 *	N-80 / J-55	11.6 / 11.2	5344	5344	316 sx
Tubing	2-3/8 *	J-55	4.6	5300	5300	
Liners						

[Handwritten Signature]
9-6-23

Packers: Kind: _____
 Sizes: _____
 Depths Set _____

4710700288W

Last Updated: 3/8/2023 12:06 PM



Field Name		Lease Name		Well No.
Rockport		Rockport - 07249		07249
County		State		API No.
Wood		WV		47107002880000
Version		Version Tag		
		0 Current Completion		
G.L. (ft)	K.B. (ft)	Sec.	Township/Block	Range/Survey
5,360.0		64-107	Steele	031307249
Operator		Well Status		Latitude
TransCanada		ACTIVE		39.0472
				Longitude
				-81.5583
Dist. N/S (ft)	N/S Line	Dist. E/W (ft)	E/W Line	Footage From
PropNum		Spud Date		Comp. Date
Harry Beard		8/30/1953		
Additional Information				
Other1	Other2	Other3	Other4	
Rockport	0313	031307249		
Prepared By		Updated By		Last Updated
				3/8/2023 12:06 PM

Tubular Summary						
Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
11/1/1949	Drive Pipe	16.000			0	40
11/5/1949	Surface Pipe	8.625			0	2,378
10/25/1998	Casing	7.000			0	2
11/7/1949	Casing	7.000			2	5,236
10/25/1998	Casing	4.500	11.60	N-80	0	3
8/30/1953	Casing	4.500	12.20	J-55	3	5,383
9/14/1999	Tubing	2.375	4.60	J-55	0	5,300

Casing Cement Summary						
C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	10/22/1998	0	4.500	250	288	Poor Quality
	10/22/1998	0	4.500	288	328	Partial Quality
	10/22/1998	0	4.500	328	445	Poor Quality
	10/22/1998	0	4.500	445	1,248	Partial Quality
	10/22/1998	0	4.500	1,248	1,352	Good Quality
	10/22/1998	0	4.500	1,352	1,504	Partial Quality
	10/22/1998	0	4.500	1,504	2,046	Good Quality
	10/22/1998	0	4.500	2,046	2,080	Partial Quality
	10/22/1998	0	4.500	2,080	2,408	Good Quality
	10/22/1998	0	4.500	2,408	3,084	Partial Quality
	10/22/1998	0	4.500	3,084	4,464	Good Quality
	10/22/1998	0	4.500	4,464	5,330	Partial Quality

Formation Tops Summary		
Formation	Top (TVD ft)	Comments
Sand	734	Comments: Water@740: 1.5 bph
Sand	1,760	Comments: Water@932-937, 1 bph Comments: Water@1490', 4bph Comments: Water@1635, 1.5 bph Comments: Water@1795, 4 bph
Maxton (Maxon)	1,980	Comments: Water@2045-2050
Coniferous Lime	5,222	
Oriskany Sandstone	5,344	Comments: Gas@5345, 84 Mcf; @5350', 14,936 Mcf; @5360', 80,000 Mcf.
TD	5,360	Environmental Protection

10/13/2023

4710700288W

WELL JOB PLAN				STS Well Engineering & Technology				PAGE 1		DATE JOB PREPARED: 4/24/2023	
Objective: Baseline Integrity Project								LAST PROFILE UPDATE:			
TITLE: Snub tubing, OH / csg inspection logs, perf, rerun tubing, CTCO, possible refrac								WORK TYPE: Deliverability Restoration			
FIELD: Rockport				WELL ID: 7249				LEASE #: 52283			
STATE: WV				SHL (Lat/Long) 39.04722		-81.55833		API: 47-107-00288-0000			
DIST/TWP: Steele				BHL (Lat/Long) 39.04722		-81.55833		CNTY: Wood			
EXISTING TUBULAR CONFIGURATION		OD (inches)	WEIGHT (PPF)	GRADE	THREAD	DEPTH KB (ft)		WELLLINE #: X58W7249			
						TOP	BOTTOM	FORMATION: refer to MISC INFORMATION section			
Conductor		16				0	40	PAY:		ELEVATIONS	
Surface		8 5/8	24.0			0	2378	TD TVD: 5360		TMG:	
Intermediate		7	23.0			0	5236	TD MD:		KB-RF:	
Production		4 1/2	11.6 / 12.2	N-80 / J-55		0	5344	KB-GL:		GL ref elev.:	
Production		Set on W&A packer at +/-5302' - uncemented perf/slotted tailpipe below									
Tubing		2 3/8	4.6	J-55		0	5300	CSG	DEPTH	WELLBORE SCHEMATIC	
Perforations		Open Hole									
Wellhead		API 3K. 4.5" FS x 7" support, 4.5" 8rd wellhead connection.									
D.H. EQUIPMENT		PACKER INFO:				TYPE		DEPTH (ft)			
		Upper									
		Lower									
		Upper									
		Lower									
		SSSV INFO:									
CEMENT INFO						CALC TOC (ft)					
8 5/8		No record of cement				-					
7		No record of cement				-					
4 1/2		Filled to surface with cement. Found a permit record suggesting 316 sx pumped. See bond log comments below for additional comments.				partial quality to top logged interval 250'					
MISC INFORMATION											
REFER TO WELL SUMMARY RPT, WELLBORE DIAGRAM, ELOG, ETC. (see spreadsheet tabs below)											
Kill Fluid Calculation * Note that kill fluid calculation tabs are hidden											
Maximum calculated bottom-hole pressure (for reference only):				2040		psig		* input			
* Maximum storage field surface pressure (MAOP):				1800		psig		* input			
Well TD:				5360		ft TVD		* input			
Top of storage zone (Oriskany):				5344		ft TVD		* input			
Calculated maximum BH pressure at top of zone:				2067		psig		* output Kill Fluid (TOZ)			
Kill fluid density at top of zone @:				200		psi OB		8.16		ppg * output Kill Fluid (TOZ)	
Proposed depth of BP (n/a):				5344		ft TVD		* input			
Calculated maximum BH pressure at depth of BP:				2067		psig		* output Kill Fluid (BP)			
Kill fluid density at depth of BP @:				200		psi OB		8.16		ppg * output Kill Fluid (BP)	
Required minimum kill fluid density:				8.2		ppg		* greater of the two			
Current AOF:		11,877 MCF/D									
Top historical AOF:		66,234 MCF/D									
Last MVRT:		03.31.97 Western Atlas VERT showed no metal loss greater than Class 1.									
SBT:		10.22.1998 Western Atlas bond log shows partial to good cement quality from 5330 - 445', partial to poor quality to top logged interval of 250'.									
PROPOSED YEAR:		2024		ERCBC PERMIT REQD:		YES ___ NO ___		(Internal) PDS Required: YES ___ NO ___			
PREPARED BY:		Maria Medvedeva		DT. APPLIED:		ISSUED:		APPROVED: Recoverable Signature			
PREP DATE:		4/24/2023						X			

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WELL JOB PLAN		STS Well Engineering & Technology		PAGE 2	DATE JOB PREPARED: 4/24/2023
Objective: Baseline Integrity Project				LAST PROFILE UPDATE:	
TITLE: Snub tubing, OH / csg inspection logs, perf, rerun tubing, CTCO, possible refrac			WORK TYPE: Deliverability Restoration		
FIELD: Rockport	WELL: 7249				
STAT: WV	SHL (Lat/Long):	39.04722	-81.55833	API: 47-107-00288-0000	
TWP: Steele	BHL (Lat/Long):	39.04722	-81.55833	CNTY: Wood	

PROCEDURE - Update

NOTE:

- 1 Obtain 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 Reservoir Engineering & Geosciences (REG) of intent to take well out of service.
- 5 Notify environmental inspector prior to beginning work. If required, notify State/Federal regulatory agencies prior to beginning work.
- 6 Disconnect well line.
- 7 Prepare access road and well site. Install ECD's per EM&CP.
- 8 Service all wellhead valves.
- 9 Document and report to WE&T the initial casing and annular pressures.
- 10 Pump 20 gals methanol and 20 bbls fresh water down tubing to verify it's open.
- 11 Flow well up casing to verify no bridges and dry wellbore.
- 12 MIRU TTS slickline unit. RIH to find bottom of tubing. Install TTS packoff plug #1 in bottom joint of tubing. Perform negative pressure test in stages to 0 psig. Install TTS packoff plug #2. Perform negative pressure test in stages to 0 psig.
- 13 Remove tbg valve and bonnet. Spray / pour lubricant around top of tubing mandrel and around lock-down pins. Clean mandrel lift threads and verify thread profile. NU 7-1/16" 3M gate valve, Cameron double BOP (blind-shear in bottom / 2-3/8" pipes in top), and annular.
- 14 MIRU stand-alone snubbing stack. Perform low (250 psig) and high (2200 psig) pressure test on each BOP component, including FOSV (2), choke line, blow-off line, and equalization line.
- 15 PU pulling joint, screw into tubing hanger, grab bite on tubing with snubbing slips, equalize pressure across hanger, back out mandrel hold-down pins, and unseat hanger.
- 16 Strip / snub tubing out of hole. On last 3 joints RIH 60 ft every joint with weight on masonry twine to verify depth of upper RBP. Last joint, stop connection just below annular, close gate valve and lower snubbing pipe rams, and bleed pressure to verify last joint. Note that there will likely be pressure inside tubing between the two RBPs.
- 17 RD snubbing unit.
- 18 Evaluate tubing condition, for tubing to be rerun back in the well.
- 19 MIRU Baker Atlas Logging. Run gauge ring, open-hole logs (GR-N-DENSITY and RESISTIVITY) and HRVRT casing inspection logs. RDMO loggers. **Request 1-day turnaround on HRVRT analysis. Condition of 4-1/2" casing will determine next steps. Consult with WE&T engineer before proceeding.**
HIGH RESOLUTION VERTILOG (300° CASING DEFECTS)
- 20 Spot 1.75" CTU equipment (don't RU injector).
- 21 Pump 200 gals 15% HCl acid and 40 bbls TFW down 4-1/2" csg.
- 22 Re-perforate 4-1/2" uncemented tailpipe across Oriskany based on REG recommendations.
- 23 RDMO loggers.
- 24 RU CTU.
- 25 RI with jetting tool. At 5000' begin flowing well and jet to TD with foamed TFW. At TD begin foamed 15% HCl acid and wash across storage perms/interval until 1000 gals acid gone.
- 26 Flow well to dry and POOH.
- 27 RDMO CTU.
- 28 Optional: fracture stimulate based on REG recommendations. Note will need WHIT since wellhead is 3K.
Hydraulic isolation between bottom of 7" csg and 4-1/2" packer is suspect based on Bond Attenuation Log. **SEP 12 2023**
- 29 RU standalone snubbing unit.
- 30 Snub tubing back in well with wireline re-entry guide, Otis XN and Otis X seating nipples on bottom. Do not run tubing into openhole.
- 31 Land tubing and lock-down mandrel. RDMO snubbing unit.
- 32 Reconnect well line.
- 33 MIRU TTS slickline unit. Pressure tubing. Run gauge ring and pull SN plugs. RDMO slickline unit.
- 34 Notify WET Project Support that well is back in-service.
- 35 Reclaim R&L.
- 36 Commission well by completing, processing, and retain for records the Wellsite Review and Turnover Form.
- 37 Notify REG that well is ready for storage service.

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PREPARED BY: Maria Medvedeva	REVIEWED BY: James Amos	APPROVED: Brent Criser
PREP DATE: 4/24/2023		

WR-35

DATE: 12-30-99
API #: 47-107-0738

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

Well Operator's Report of Well Work

Farm name: Boyce, Lawrence O. Operator Well No.: Rockport 7247

LOCATION: Elevation: 1019' Quadrangle: Rockport

District: Steele County: Wood
Latitude: 13,100 Feet South of 39 Deg. 5 Min. 0 Sec.
Longitude 4800 Feet West of 81 Deg. 32 Min. 30 Sec.

Company: Columbia Gas Transmission

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>P. O. Box 1273</u>	<u>16"</u>		<u>40'</u>	
<u>Charleston, WV 25325-1273</u>				
Agent: <u>Richard L. Goty</u>	<u>8-5/8", 24</u>	<u>1b.</u>	<u>2378'</u>	
Inspector: <u>Glen Robinson</u>				
Date Permit Issued: <u>No Permit Issued</u>	<u>7", 23</u>	<u>1b.</u>	<u>5260'</u>	
Date Well Work Commenced: <u>9-13-99</u>				
Date Well Work Completed: <u>9-16-99</u>	<u>4-1/2", 12.6</u>	<u>1b.</u>	<u>5344'</u>	<u>316 sx</u>
Verbal Plugging:				
Date Permission granted on:	<u>2-3/8", 4.6</u>	<u>1b.</u>	<u>5300'</u>	
Rotary Cable X Rig				
Total Depth (feet): <u>5406'</u>				
Fresh Water Depth (ft.): <u>Not Reported</u>				
Salt Water Depth (ft.): <u>740', 942', 1490', 1635', 1795'</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>Not Reported</u>				

OPEN FLOW DATA

Producing formation Oriskany (Storage) Pay zone depth (ft) 5344' - 5360'
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

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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

SEP 12 2023
Department of Environmental Protection

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: Paul C. Amick
Date: 12-30-99

[Signature]

Rockport
7249

WEST VIRGINIA DEPARTMENT OF MINES
GILFILLAN GAS DIVISION
W. H. L. R. B. O. R. D.

Permit No. Nos 288		Gas Well
Bolloville Quad.		Casing & Tubing
Company	C. J. Meadows, agent	
Address	701-03 United Carbon Bldg., Chas., W. Va.	
Farm	C. A. Barnett Across 245	18 40 40
Location	Left Fr. Sandy Creek	13 1022
Well No.	One (I-431) - Elev. 1036, D.F.	10 1362
District	Steale Wood County	8 2378 2378
Surface	C. A. Barnett, Rockport, W. Va.	6 5/8 5236 5236
Mineral	C. A. Barnett, Rockport, W. Va.	2 5380 5380
Commodities	7-13-49	
Completed	11-4-49	Casing cemented:
Volume	50,000,000 C.F.	6 5/8 1 joint 10-26-49
Rock Pressure	1875# 96 hrs.	
Salt Water	740 1 1/2 BFH; 933-937 1 BFH; 1420' 4 BFH day	
	1635 1 1/2 BFH; 1795' 4 BFH; 2045-2050	

Red Rock	0	20	Shale	2280	2288
Shale	20	30	Big Lime	2288	2330
Lime	30	55	Big Injun	2330	2370
Red Rock	55	135	Wair Shells	2370	2380
Shale	135	185	Slate & Shells	2380	2607
Sand	185	205	Brown Shale	2607	2627
Shale	205	215	Berea	2627	2632
Blue Shale	215	230	Slate & Shells	2632	3850
Red Rock	230	320	Brown Shale (shelly)	3850	3975
Shale	320	340	Gray Slate & Shells	3975	4245
Red Rock	340	355	Brown Shale	4245	4510
Sand	355	378	White Shale	4510	4872
Red Rock	378	444	Brown Shale	4872	5222
Sand	444	460	Corniferous	5222 SLM	5344
Red Rock	460	585	Oriskany	5344	5360
Blue Shale	585	690	Estimated total depth		5360
Red Rock	690	705			
Blue Shale	705	734	Gas 5345 84 MCF		
Sand	734	750	Gas 5350(Est.) 14,936 MCF		
Slate & Shells	750	782	Gas 5360(Est) 50,000 MCF		
Red Rock	782	810			
Slate & Shells	810	862			
Red Rock	862	870			
Slate & Shells	870	880			
Red Rock	880	895			
Sand	895	905			
Slate & Shells	905	925			
Pittsburgh Sand	925	975			
Black Slate	975	978			
Slate & Shells	978	1080			
Red Rock	1080	1220			
Slate & Shells	1220	1260			
Red Rock	1260	1333			
Sand	1333	1339			
Slate & Shells	1339	1345			
Red Rock	1345	1350			
Sand	1350	1350			
Lime Shells	1360	1385			
Slate & Shells	1355	1404			
Red Rock	1404	1418			
Slate & Shells	1418	1435			
Sand	1435	1470			
Slate	1470	1473			
Sand	1473	1505			
Slate & Shells	1505	1595			
Sand	1595	1652			
Slate	1662	1750			
Sand	1760	1820			
Shale	1820	1890			
Lime	1890	1930			
Slate & Shells	1930	1940			
Lime	1940	1980			
Maron Sand	1980	2280			

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F-23096

960566-1

7249

Well No. X-58-7249 C. A. Barnett, Trust Field Clarendon
 Map Sq. 64-107
 Lease No. 51024 Acres 244.6 Elev. 1018.9 Gr.
 State W.Va. County Wood District Steele
 Well W.O. 9967 Permit No. Wood 288

WELL	PLAN	S.L. NO.	INSTR. MAP	BY	DATE
1665	19			HGM	2-2-53
1932	6			ECF	4-28-62

Survey Line X-58-W-7249
 Survey Line Change X-58-W-7249
W.O. 25-43-72

Formerly well #6516
 " " F23076

ELEV. 3018.9' Gr. COMPLETION REPORT 7249 U.S.G.T. NO. E-23096
 FARM C. A. Barnett #1 MAP SQ. 64-107
 WELL OWNERS Clarence W. Meadows, Trust
 DISTRICT Steele COUNTY Wood STATE W. Va.
 PERMIT NO. 208 TOTAL DEPTH. 5350' COMPLETED 11-1-49

OPEN FLDW 14,936 M.C.F. Oriskany 96 hr. 1875#
R.P. 24 hr. 1800#

TRIM SHALE
 MAXON 1900 - 2280 BEREA 2427 - 2632 COMB. 5222 - 5344
 BIG LIME 2335 - 2343 Oriskany: 5344-5350
 REMARKS: 6-5/8" Csg. 5236' Gas: 5345-5350'. Not Shot.

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 SEP 1 2 2023
 U.S. Department of Environmental Protection

WW-2A
(Rev. 6-14)

1.) Date: 08/31/2023
2.) Operator's Well Number Rockport 7249
State County Permit
3.) API Well No.: 47- 107 - 00288

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

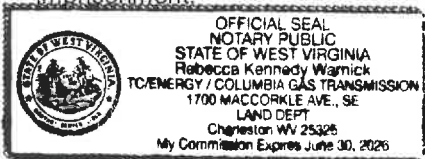
4) Surface Owner(s) to be served:
(a) Name Janev Wical, Amy Thomas et al
Address 9325 Tuckers Creek Rd
Elizabeth, WV 26143
(b) Name _____
Address _____
(c) Name _____
Address _____
5) (a) Coal Operator
Name Not operated
Address _____
(b) Coal Owner(s) with Declaration
Name Not operated
Address _____
(c) Coal Lessee with Declaration
Name Not operated
Address _____
6) Inspector Joe Taylor
Address 1478 Clavlick Road
Ripley, WV 25271
Telephone 304-380-7469

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

OR Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas
x Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)
I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties by:
Personal Service (Affidavit attached)
x Certified Mail (Postmarked postal receipt attached)
Publication (Notice of Publication attached)

RECEIVED
Office of Oil and Gas
SEP 12 2023
WV Department of
Environmental Protection

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.
I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Well Operator Columbia Gas Transmission, LLC
By: Maria Medvedeva
Its: Senior Wells Engineer Storage Technical Services
Address: 1700 MacCorkle Ave SE
Charleston WV 25314-1273
Telephone: 304-410-4313
Email: maria_medvedeva@tcenergy.com

Subscribed and sworn before me this 31st day of August, 2023
Rebecca Kennedy Warnick Notary Public
My Commission Expires 06/30/26

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

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



August 31, 2023

Janey Wigal, Amy B. Thomas, et al.
 9325 Tuckers Creek Road
 Elizabeth, WV 26143

Columbia Gas Transmission, LLC is applying for a permit to the WV Department of Environmental Protection – Office of Oil and Gas, to work on an existing underground natural gas storage well located on property owned by you. As reference, the field and well ID is Rockport 7249 (API 47-107-00288).

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,

Maria Medvedeva
 Senior Wells Engineer
 Well Engineering & Technology
 Columbia Gas Transmission, LLC

**U.S. Postal Service™
 CERTIFIED MAIL® RECEIPT
 Domestic Mail Only**

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

7022 2410 0002 6396 3058

Certified Mail Fee \$3.55

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

Postage \$9.65

Total Postage and Fees \$17.55

Sent To Amy Thomas
 Street and Apt. No., or P.O. Box No.
 City, State, ZIP+4® WV Department of Environmental Protection
RT 7249

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

SENDER: COMPLETE THIS SECTION

- 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.

1. Article Addressed to:
Janey Wigal, Amy Thomas et al.
9325 Tuckers Creek Rd.
Elizabeth, WV 26143

2. Article Number (Transfer from service label)
7022 2410 0002 6396 3058

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Janey Wigal Agent Addressee

B. Received by (Printed Name) _____ Date of Delivery _____

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below: _____

3. Service Type

<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"/> Signature Confirmation™
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery
<input type="checkbox"/> Collect on Delivery Restricted Delivery	

9590 9402 7630 2122 5682 48

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

www.tcenergy.com

10/13/2023

4710700288w

WW-2A Surface Waiver
(4/16)

SURFACE OWNER WAIVER

County Wood

Operator
Operator well number

Columbia Gas Transmission LLC
Rockport 7249

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

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

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.
WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

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

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure 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 ~~abate~~ ^{correct} the violation...".

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through ___ including a work order on Form WW2-B, a survey plat, WW-9, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

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

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Signature

Date

Company Name
By
Its

Date

Print Name

Signature

Date

10/13/2023

COAL OPERATOR, OWNER, OR LESSEE WAIVER

* coal not operated

County Wood
Operator Columbia Gas Transmission LLC

Operator's Well Number Rockport 7249

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by WV Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office. Mail objections to:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 extension 1654

WAIVER

The undersigned coal operator _____ / owner _____ / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. 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.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Signature Date

Company Name
By
Its _____
Date

Signature Date

RECEIVED
Office of Oil and Gas

SEP 12 2023

WV Department of
Environmental Protection

10/13/2023

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6, Section 8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
C.A. Barnett, et ux	United Fuel Gas Company	Storage Lease - 1051024-000	518 / 37

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

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

RECEIVED
Office of Oil and Gas
SEP 12 2023
WV Department of
Environmental Protection

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

Well Operator:
By: Its:

Columbia Gas Transmission, LLC

 Maria Medvedeva

 Senior Wells Engineer Storage Technical Services



10/13/2023

n/a

4710700288 w

WW-2B1
(5-12)

Well No. Rockport 7249

West Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

Be advised, you have the right to sample and analyze any water supply at your own expense.

Listed below is the laboratory chosen by operator to perform analysis, and contractor chosen to collect sample.

Certified Laboratory Name _____
Sampling Contractor _____

Well Operator Not applicable - existing underground natural gas storage well

Address _____

Telephone _____

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underlining which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

Of _____

SEP 12 2023
West Virginia Department of Environmental Protection

10/13/2023

WW-9
(5/16)

API Number 47 - 107 _ 00288
Operator's Well No. Rockport 7249

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

Operator Name Columbia Gas Transmission, LLC OP Code 307032

Watershed (HUC 10) Left Fork Sand Creek Quadrangle Rockport

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: N/A

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection (UIC Permit Number 34-167-23862)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Mud Master 64054; Reserve Environmental Services (WMGR 123SW008)
Appalachian Water Services (WMGR 123SW001))

Will closed loop system be used? If so, describe: yes - steel flow line to tanks

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Fresh water

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? NaCl, biocide, soda ash, polymer, starch, CaCO3, HCl acid

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) N/A

-Landfill or offsite name/permit number? To be managed by Waste Management and US Ecology for disposal at permitted landfill

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

Company Official Signature [Signature]
Company Official (Typed Name) Maria Medvedeva
Company Official Title Senior Wells Engineer Storage Technical Services

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Office of Oil and Gas
SEP 12 2023
WV Department of Environmental Protection

[Signature]
9-16-23

Subscribed and sworn before me this 31st day of August, 2023

[Signature] Notary

My commission expires 6/30/24



10/13/2023

Proposed Revegetation Treatment: Acres Disturbed < 1.0 Prevegetation pH 6-7

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

Fertilizer type 10-10-10

Fertilizer amount 600 lbs/acre

Mulch hay or straw @ 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

Attach:

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

Comments: _____

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Office of Oil and Gas

SEP 12 2023

WV Department of
Environmental Protection

Title: COG Inspector

Date: 9-6-23

Field Reviewed? Yes No

N/A

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): Left Fork Sand Creek Quad: Rockport
Farm Name: Harry Beard

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

No fluids planned to be discharged. No fertilizer will be stored on site. Fuel, oil, and lubricants will be stored on site, but located within secondary containment. Accidental spills from construction equipment, well treatment fluids, and produced well fluids are the only possible source of contamination to groundwater. Drilling and flowback fluids to be stored in tanks. 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 and well servicing equipment will be monitored and inspected daily for leaks. Tanks to be monitored 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 Sandy Creek is at a distance of 0.08 miles W.
The Belleville Hydro Electric Recreation (WV9954030) is a Well Head Protection Area at a distance of 10.6 miles NW from discharge area.

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

N/A

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Office of Oil and Gas
SEP 12 2023
WV Department of Environmental Protection

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

N/A

4710700288W

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 and JSA meetings groundwater protection will be a topic of discussion.

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Office of Oil and Gas
SEP 12 2023

8. Provide provisions and frequency for inspections of all GPP elements and equipment. WV Department of Environmental Protection

No fertilizer will be stored on site. Fuel, oil, and lubricants will be stored on site, but located within secondary containment. Spills from construction equipment, well treatment fluids, and produced well fluids are the only possible source of contamination to groundwater.
All construction and well servicing equipment will be monitored and inspected daily for leaks or spills.

Signature: 

Date: 08/31/2023



10/13/2023

WV DEP Reclamation Plan - Site Detail

Rockport well 7249 (API 47-107-00288)

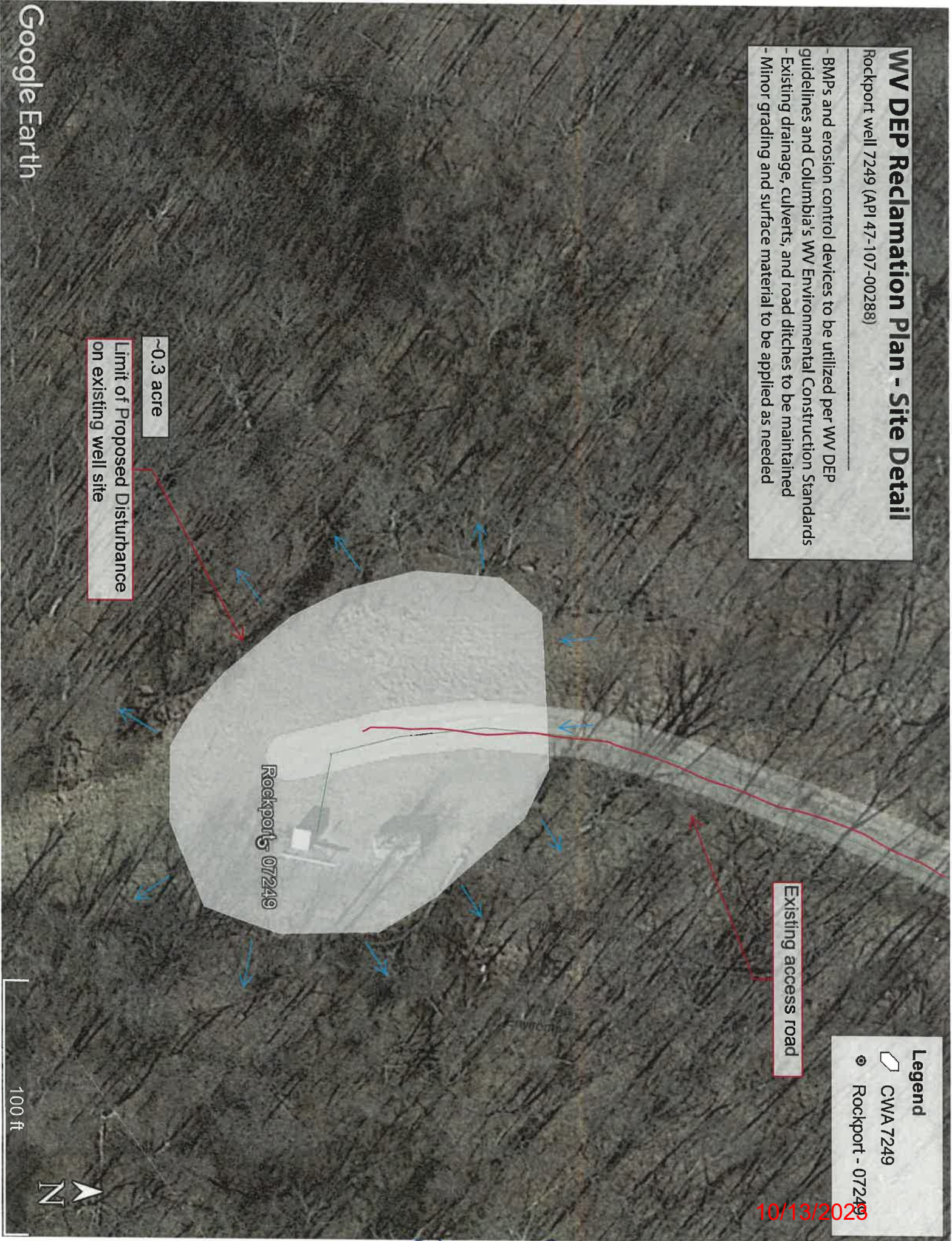
- BMPs and erosion control devices to be utilized per WV DEP guidelines and Columbia's WV Environmental Construction Standards
- Existing drainage, culverts, and road ditches to be maintained
- Minor grading and surface material to be applied as needed

Legend

- CWA 7249
- Rockport - 07249

Existing access road

~0.3 acre
Limit of Proposed Disturbance on existing well site



Google Earth

10/13/2023

Handwritten signature and date: 10-13-23

WV DEP Reclamation Plan - Overview

Rockport well 7249 (API 47-107-00288)

- 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



Legend

- Rockport - 07249

10/13/2023

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Office of Oil and Gas
SEP 20 2023
10-23
Environmental Services

4710700288W

(LUBECK)

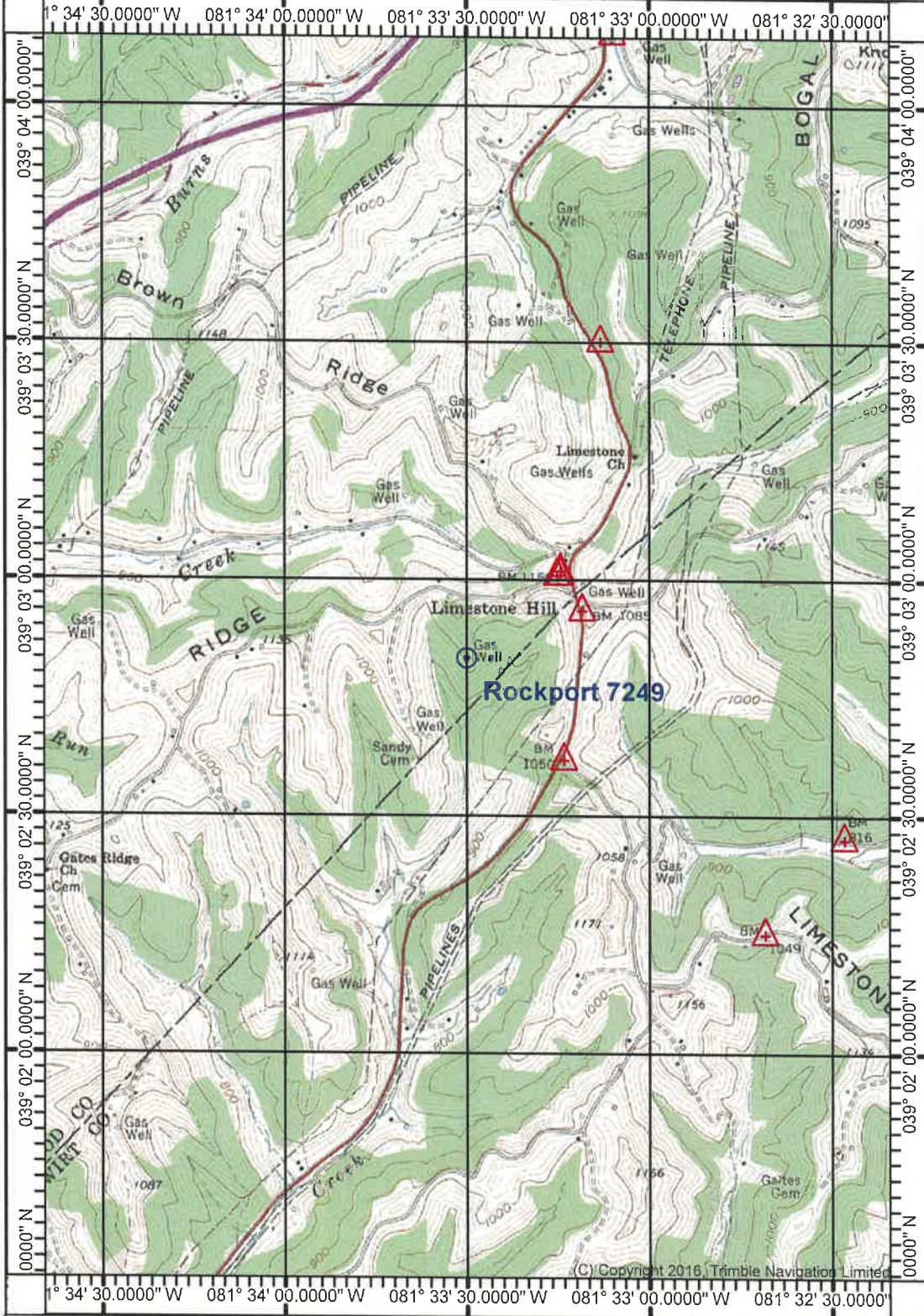


ROCKPORT QUADRANGLE
WEST VIRGINIA
TOPOGRAPHIC SERIES (KANAWHA)

081° 34' 39.5440" W
039° 04' 08.6415" N

(SOUTH PARKERSBURG)

081° 32' 19.9096" W
039° 04' 08.6415" N



(POND CREEK)

(ELIZABETH)

039° 01' 30.9123" N
081° 34' 39.5440" W

(SANDYVILLE)

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

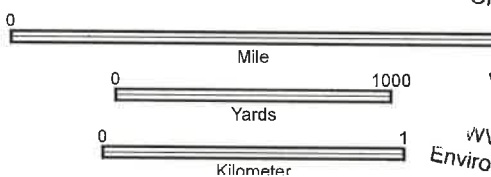
Declination



MN

GN 0.35° W
MN 7.92° W

(LIVERPOOL)
SCALE 1:24000



Printed: Tue May 23, 2023

039° 01' 30.9123" N
081° 32' 19.9096" W

(REEDY)

RECEIVED
Office of Oil and Gas

SEP 12 2023 39081-A4-TM-024

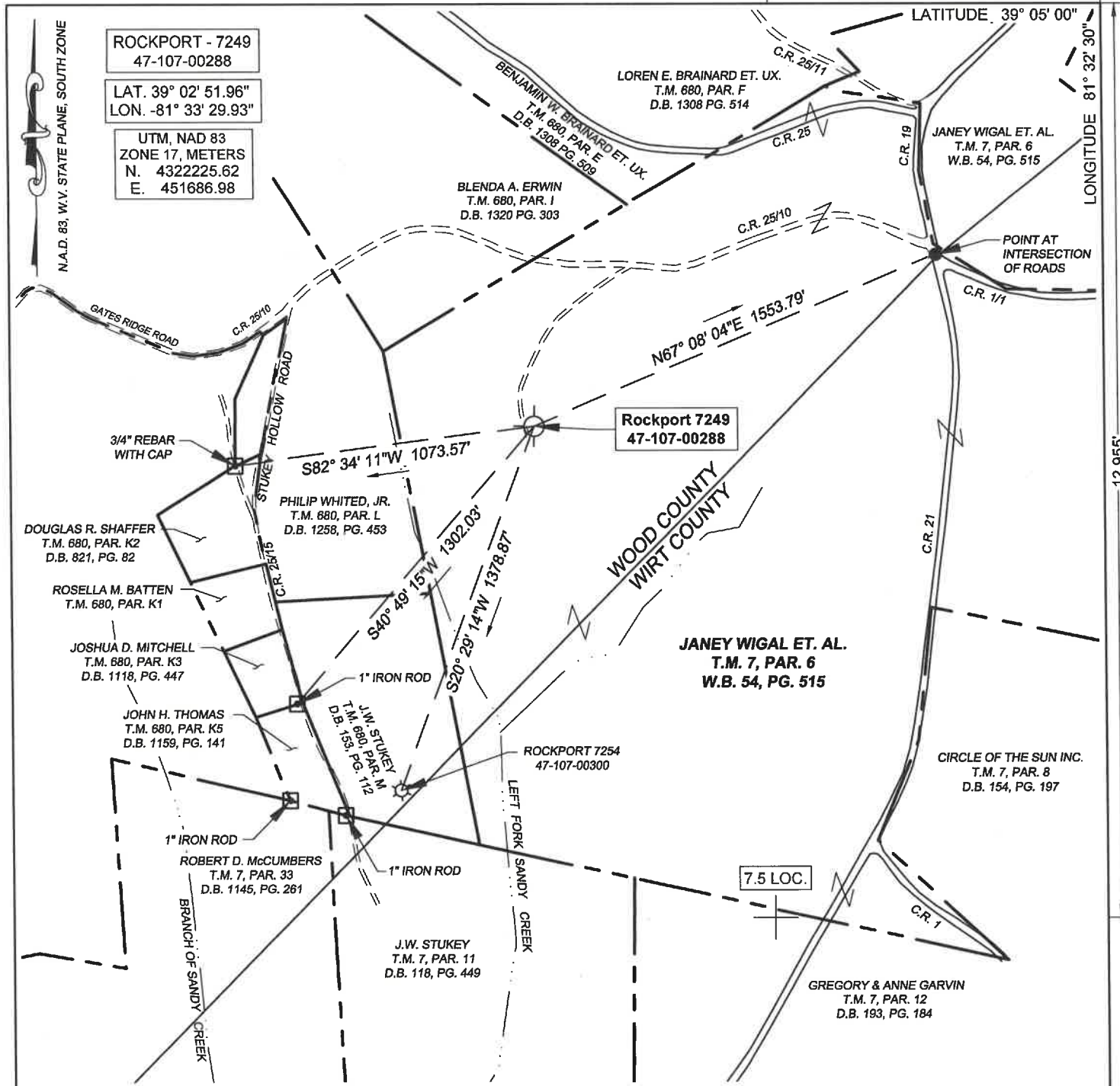
ROCKPORT, WV

JAN 1, 1975

WV Department of Environmental Protection

10/13/2023

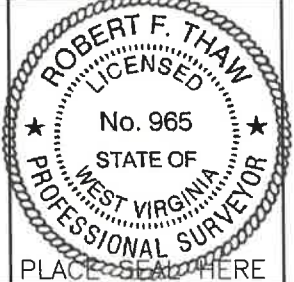
4710700288W



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

FILE No 2201-2345-001-016
 DRAWING No. ROCKPORT 7249
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION TRIMBLE R-10
 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



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

DATE AUGUST 17 2023
 OPERATOR'S WELL No. 7249
 API WELL No. 47 107 - 00288

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

LOCATION: ELEVATION 1027' WATER SHED LEFT FORK SAND CREEK
 DISTRICT STEELE (ASSESSED IN TUCKER) COUNTY WOOD (ASSESSED IN WIRT)
 QUADRANGLE ROCKPORT

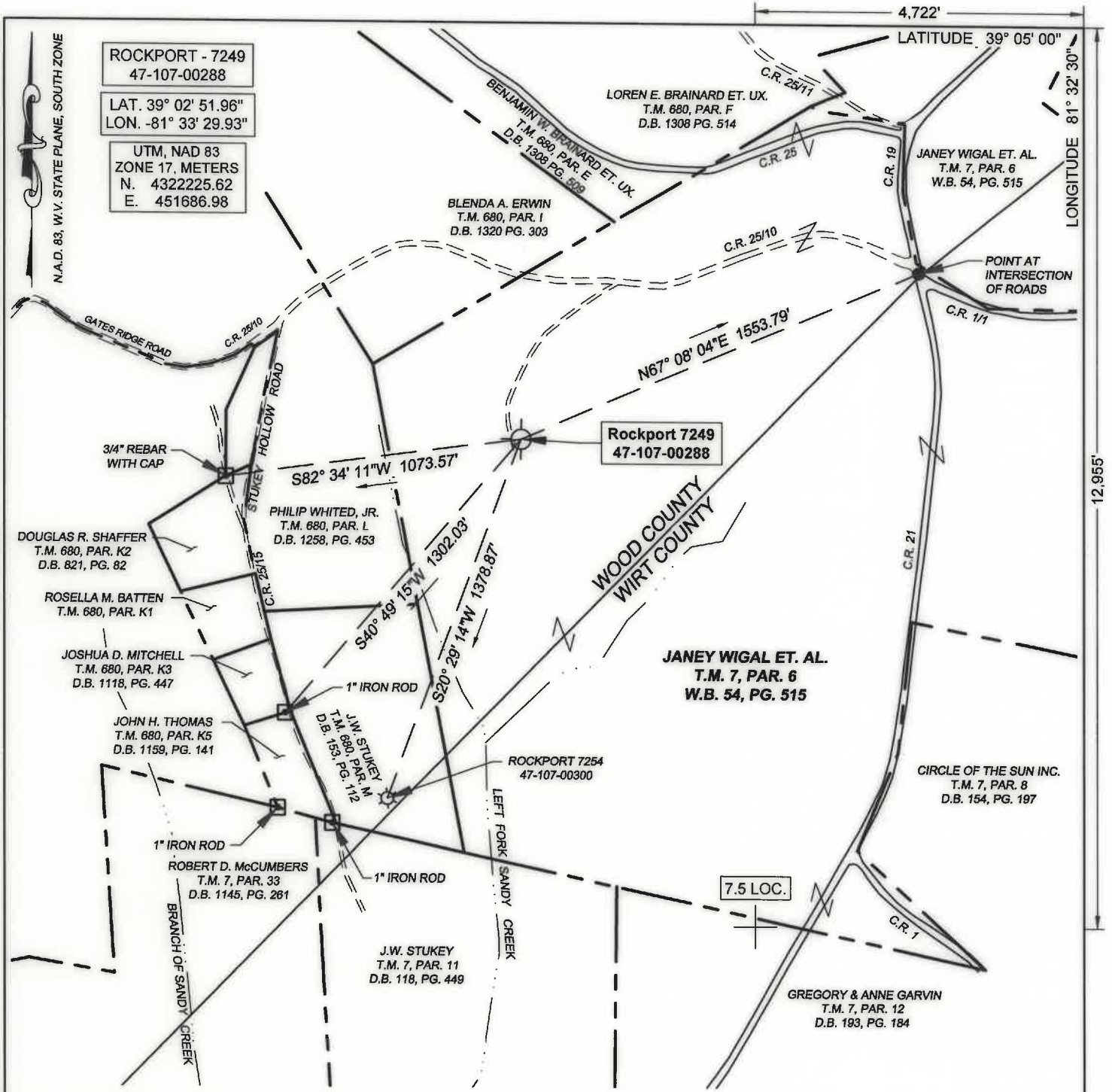
SURFACE OWNER JANEY WIGAL ET. AL. ACREAGE 324.2
 OIL & GAS ROYALTY OWNER UNITED FUEL GAS COMPANY LEASE ACREAGE 244.6
 LEASE No. 1051024-000

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 10/13/2023

PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION ORISKANY ESTIMATED DEPTH 5360
 WELL OPERATOR COLUMBIA GAS TRANSMISSION, LLC DESIGNATED AGENT MARIA MEDVEDEVA
 ADDRESS PO BOX 1273, CHARLESTON, WV 25325-1273 ADDRESS 1700 MACCORKLE AVE., SE CHARLESTON, WV 25314

FORM IV-6 (8-78)

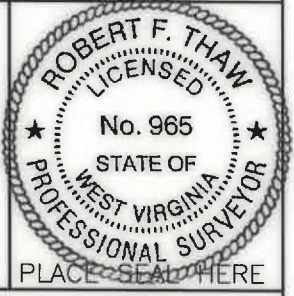


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE No **2201-2345-001-016**
 DRAWING No. **ROCKPORT 7249**
 SCALE **1"=500'**
 MINIMUM DEGREE OF ACCURACY **1:200**
 PROVEN SOURCE OF ELEVATION **TRIMBLE R-10**
 GPS UNIT

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

(SIGNED) *R. Thaw*
ROBERT F. THAW PS #965



FORM IV-6 (8-78)

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

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

LOCATION: ELEVATION **1027'** WATER SHED **LEFT FORK SAND CREEK**
 DISTRICT **STEELE (ASSESSED IN TUCKER)** COUNTY **WOOD (ASSESSED IN WIRT)**
 QUADRANGLE **ROCKPORT**

SURFACE OWNER **JANEY WIGAL ET. AL.** ACREAGE **324.2**
 OIL & GAS ROYALTY OWNER **UNITED FUEL GAS COMPANY** LEASE ACREAGE **244.6**
 LEASE No. **1051024-000**

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) **10/13/2023**

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION **ORISKANY** ESTIMATED DEPTH **5360**

WELL OPERATOR **COLUMBIA GAS TRANSMISSION, LLC** DESIGNATED AGENT **MARIA MEDVEDEVA**
 ADDRESS **PO BOX 1273, CHARLESTON, WV 25325-1273** ADDRESS **1700 MACCORKLE AVE., SE CHARLESTON, WV 25314**

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

4710700288W



September 11, 2023

WV DEP – Office of Oil & Gas
601 57th Street, SE
Charleston, WV 25304-2345

CK# 43071
\$ 900.00
9/11/23

Enclosed is a well work permit application for the following Columbia Gas Transmission existing storage well:

Rockport 7249 (API 47-107-00288)

Please email to address below, and return hardcopies of permits to:

Columbia Gas Transmission
1700 MacCorkle Ave SE
Charleston, WV 25314
Attn: Maria Medvedeva

RECEIVED
Office of Oil and Gas

SEP 12 2023

WV Department of
Environmental Protection

If you have questions, feel free to call.

Regards,

Maria Medvedeva
Senior Wells Engineer
Well Engineering & Technology
Columbia Gas Transmission, LLC
Mob: 304-410-4313
maria_medvedeva@tcenergy.com

www.tcenergy.com

10/13/2023