

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

June 02, 2015

WELL WORK PERMIT

Re-Work

This permit, API Well Number: 47-7500037, issued to COLUMBIA GAS TRANSMISSION, LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

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

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

Operator's Well No: GLADY 7468

Farm Name: U.S. FOREST SERVICE

API Well Number: 47-7500037 Permit Type: Re-Work

Date Issued: 06/02/2015

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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

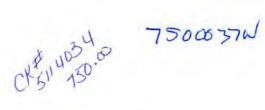
CONDITIONS

- 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.
- 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.

Packers: Kind:

Sizes: Depths Set

none



APR 1 6 2015

06/05/2015

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

1) Well Operator	: Colun	nbia Gas	Transmission, LLC	307032	Pocahontas	Green Bank	Sinks of Gandy
				Operator ID	County	District	Quadrangle
2) Operator's W	ell Numb	er: Glady	7468 (existing well)		3) Elevation:	3749	
4) Well Type: (a)	Oil	or Ga	ıs X				
(b)	If Gas:	Produ	ction/ Unde	erground Sto	rage X		
		Deep	/ Sh	allow			
5) Proposed Tar	get Forn	nation(s)	: Oriskany		Proposed Tar	get Depth: 60	043
			ring) Feet For depths: 405 ft (per c		Proposed Total	al Depth: Helde	erberg
			none reported by driller				
9) Approximate	roal sea	m denths	s: none reported by	driller in 1966			
10) Approximate	void de	pths,(coa	al, Karst, other): r	none reported b	by driller in 1966	0	
11) Does land co	ontain co	oal seam	s tributary to activ	ve mine? _no	0		
12) Describe proc	osed we	ll work an	nd fracturing metho	ds in detail (a	ttach additiona	I sheets if nee	eded)
			nd and pipe inspection				
	C		coil tubing. Perform	n acid stimulation	on.		
Casing and tubing	listed belo	ow are exis	sting.				
13)		CA	SING AND TUB	ING PROGR	AM		
TYPE SF	PECIFIC	ATIONS		FOOTAGE	INTERVALS	CEMEN	<u>IT</u>
	<u>Size</u>	<u>Grade</u>	Weight per ft	For Drilling	Left in Well	Fill -up (Cu.	Ft.)
Conductor	13.375	H-40	48.0	39	39	12 s	(
Fresh Water	9.625	H-40	32	1424	1424	530	
Coal							
Intermediate							
Production	7.0	J-55/N-80	23.0	6048	6048	267	
2.12.37.37.37.27.2	7.0 2.375	J-55/N-80	23.0	6048	6048 6252	267 Receive	

Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

	UREAU OF LAND MANA				Expires:	July 3	1, 2010
					5. Lease Serial No.	12	
	NOTICES AND REPO is form for proposals to				WVBLMA02292		
abandoned we	II. Use form 3160-3 (AP.	D) for such pro	posals. 		6. If Indian, Allottee of	r Tribe	Name
SUBMIT IN TRI	PLICATE - Other instruc	ctions on rever	se side.		7. If Unit or CA/Agreement, Name and/or No. WVES39982		Name and/or No.
1. Type of Well Gas Well 🔯 Oth	ner: INJECTION				8. Well Name and No. 7468		
2. Name of Operator	···	JAMES E AMO	S		9. API Well No.		
COLUMBIA GAS TRANSMISS	SION LL&-Mail: jamos@nis	source.com			47-075-00037-00-S1		
1700 MACCORKLE AVE SE Ph: 304 CHARLESTON, WV 25325-1273 Fx: 304				:)	10. Field and Pool, or Exploratory GLADY		
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)					11. County or Parish,	and Sta	ite
Tract US-52 38.718370 N Lat, 79.741480 V	W Lon				POCAHONTAS	COU	NTY, WV
12. CHECK APPR	ROPRIATE BOX(ES) TO	O INDICATE N	ATURE OF	NOTICE, RI	EPORT, OR OTHE	R DA	TA
TYPE OF SUBMISSION			ТҮРЕ О	F ACTION			
Matica - Classes	Acidize	□ Deepe	n	☐ Product	ion (Start/Resume)	0	Water Shut-Off
■ Notice of Intent	☐ Alter Casing	☐ Fractu	re Treat	☐ Reclama	ation	– '	Well Integrity
☐ Subsequent Report	☐ Casing Repair	□ New C	Construction	☐ Recomp	lete		Other
☐ Final Abandonment Notice	☐ Change Plans	Plug a	nd Abandon	☐ Tempor	arily Abandon		
	☐ Convert to Injection	Plug B		□ Water D	•		
following completion of the involved testing has been completed. Final Abdetermined that the site is ready for fill Project to be performed betwee Duration: +/- 60 days. Procedure: 1. Kill well. 2. Pull tubing. 3. Obtain pipe inspection elog 4. Install mechanical bridge pl 5. Install new API 5M wellhead 6. Pull bridge plug. 7. Clean to TD using coil tubin 8. Perform acid treatment.	andonment Notices shall be fil inal inspection.) een 3/1/15 - 11/1/15. ug. d.	ed only after all rec	uirements, inclu	ding reclamation	Received Gold & Go	and the	operator has
14. I hereby certify that the foregoing is Common Name (Printed/Typed) JAMES E	## Electronic Submission ## For COLUMBIA GA ## mitted to AFMSS for proce	S TRANSMISSIC	IN LLC, sent (VAN RYZIN o	to the Milwaul	(866 (15CVR0020SE)		
Signature (Electronic S	Submission)		Date 02/04/2	2015			
	THIS SPACE FO	OR FEDERAL			SE		
Approved By TREY MITCHELL			TitlePETROL	EUM ENGINI	ER		Date 02/09/201
Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent would entitle the applicant to condu-	aitable title to those rights in the	e subject lease	Office Milwau	kee			

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Revisions to Operator-Submitted EC Data for Sundry Notice #290592

Operator Submitted BLM Revised (AFMSS)

ACID NOI ACID NOI Sundry Type:

WVBLMA023190A WVBLMA022923 Lease:

WVES39982 WVES39982 (WVES39982) Agreement:

Operator:

COLUMBIA GAS TRANSMISSION, LLC 1700 MACCORKLE AVE SE CHARLESTON, WV 25325-1273 Ph: 304-357-3445 COLUMBIA GAS TRANSMISSION LLC 1700 MACCORKLE AVE SE CHARLESTON, WV 25325-1273 Ph: 304.373.2412 Fx: 304-373-2438

JAMES E AMOS Admin Contact: JAMES E AMOS SENIOR ENGINEER SENIOR ENGINEER

SENIOR ENGINEER
E-Mail: jamos@nisource.com
Cell: 304-483-0073
Ph: 304-373-2412
Fx: 304-373-2438 E-Mail: jamos@nisource.com Cell: 304.483.0073 Ph: 304.373.2412 Fx: 304.373.2438

JAMES E AMOS SENIOR ENGINEER E-Mail: jamos@nisource.com Cell: 304.483.0073 Ph: 304.373.2412 Fx: 304.373.2438 Tech Contact:

JAMES E AMOS SENIOR ENGINEER E-Mail: jamos@nisource.com Cell: 304-483-0073 Ph: 304-373-2412 Fx: 304-373-2438

Location: State:

WV POCAHONTAS POCAHONTAS County:

Field/Pool: **GLADY STORAGE FIELD GLADY**

Well/Facility: **GLADY 7468** 7468

Tract US-52 38.718370 N Lat, 79.741480 W Lon 38.718344 N Lat, 79.741156 W Lon

> Received Office of Oil & Gas APR 16 2015

75000 37W

7468 47-075-00037 WVES 39982 Columbia Gas Transmission, LLC February 9, 2015 Conditions of Approval

1. Subsequent sundry with completion report required within 2 weeks of completing the workover.

TAM 020915

Received Office of Oil & Gas APR 1 6 2015





Re: Glady Well 7468

William Timmermeyer to: Arbogast, Chad H -FS Cc. Jim Amos, Jason Chambers

02/20/2015 10:18 AM

Follow Up:

Normal Priority.

History

This message has been replied to and forwarded.

Thank you for the clarification.

Sent from my iPhone

On Feb 20, 2015, at 10:17 AM, Arbogast, Chad H -FS <charbogast@fs.fed.us> wrote:

The washing of the equipment is geared more toward earth moving equipment such as dozers, excavators, rubber-tired hoes etc. The vehicles should be washed prior to the initial entrance, and rewashed if they are used elsewhere and get coated in heavy soil such as mud in the fender wells, around the bumper, in the undercarriage,

Also, the equipment should be washed when changing areas within the Forest, such as moving from one well pad to another which is not in an adjacent location. The vehicles that are mainly road vehicles are not as great a concern so long as there is no build-up of soil underneath or on the vehicle.

Chad

<M2.png> Chad Arbogast

Forest Minerals Technician/Greenbrier District Range Manager

Forest Service

Monongahela National Forest

p: 304-456-3335 x121 f: 304-456-3441

charbogast@fs.fed.us

P.O. box 67 Route 250/92

Bartow, WV 24920

www.fs.fed.us

<M3.png><M4.png><M5.png>

Caring for the land and serving people

Received Office of Oil & Gas

APR 1 6 2015

From: wtimmermeyer@nisource.com [mailto:wtimmermeyer@nisource.com]

Sent: Thursday, February 19, 2015 12:53 PM

To: Arbogast, Chad H -FS

Cc: jamos@nisource.com; jchambers@nisource.com

Subject: RE: Glady Well 7468

Chad.

Y	7	7	_	7	4	£	8
А	•	•	_	•	•	O	0

U. S. A. Dept. of Interior Tr. #52 Atlantic Seaboard Corporation
Green Bank District, Pocahontas County, W.Va.
Map Square - 164-83
Commenced - 6-10-66
Completed - 6-23-66
Elevation - 3743.62' Gr.
3760.62' RKB

Şize	CASING: Weight	Point	
13 3/8"			Cemented with 12 sacks regular with
			3% CaCl2
9 5/8"		1430'	Cemented with 430
			cu. ft. "Litepoz" and 100 cu.ft.
			regular with 3%
			CaCl ₂
711	. 23#	6048 '	Cemented with 200
			cu.ft. "Litepoz"
			and 500 gals.
			Latex
2 3/8"		62521	

CONTRACTOR: Lohmann-Johnson

Surface	0	22	Water 405'
Sand	22	83	
Shale	83	445	Gas show 619 9- 6202'
Sand	445	570	•
Shale	570	1130	All gas test 3/10 W 4" 291 M when drilling
Sand	1130	1456	completed.
Shale	1456	2132	•
Sand	2132	2300	
Shale & Sand	2300	3345	Test before acidized 3/10 W 4" 291 M
Shale	3345	5397	Acidized 6-28-66 with 12,000 gallons 28%
Tully Lime	5397	5422	Hcl, 4,000 gallons overflush water.
Marcellus Shale	5422	5797	Test after acidized 88# spring gauge 4"
Onondaga Lime	5797	5850	37,000 M
Chert	5850	6005	•
Needmore Shale	6005	6043	•
Oriskany Sand	6043	6245	FINAL OPEN FLOW - 37,000 M - Oriskany
Helderberg	6245		R.P. 1530#
Total Depth		60'	•

Shut in 6-30-66

Permit No. - Poca.-37

Received
Office of Oil & Gas
APR 1 6 2015



WW-2A (Rev. 6-07)

1). Date:	2/6/15		
2.) Operator's	Well Number	Glady 7468	
	State	County	Permit
3 \ API Wall No	47-	075	00037

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

(a) Name	ner(s) to be served:	5) (a) Coal Op	erator
(4)	US Dept of Interior (managed by BLM)	Name	not operated
Address	626 East Wisconsin Ave Suite 200	Address	
	Milwaukee, WI 53202-4617		
(b) Name		(b) Coal C	Owner(s) with Declaration
Address		Name	not operated
		Address	
(c) Name		Name	
Address		Address	
) Inspector	Bryan Harris	(c) Coal L	essee with Declaration
Address	PO Box 157	Name	
	Volga, WV 26238	Address	
Telephone	304-553-6087		
,	TO THE PERSO	NS NAMED ABOVE T	AKE NOTICE THAT:
pplication, a loc			on the above named parties by:
I have result in the same of t	Personal Service (Affida Certified Mail (Postmark Publication (Notice of Pead and understand Chapter 2 sapplication. Under penalty of law that I had form and all attachments, and primation, I believe that the information.	avit attached) ked postal receipt attache ublication attached) 2-6 and 35 CSR 4, and ave personally examined that based on my inqui ormation is true, accurate	ed) I agree to the terms and conditions of any permit and am familiar with the information submitted on ry of those individuals immediately responsible for
I have resued under this I certify his application for btaining the information and an aways.	Personal Service (Affidation Certified Mail (Postmark Publication (Notice of Publication (Notice of Publication Chapter 2 sapplication. Sunder penalty of law that I had form and all attachments, and primation, I believe that the informer that there are significant publications.	avit attached) ked postal receipt attache ublication attached) 2-6 and 35 CSR 4, and ave personally examined that based on my inqui prmation is true, accurate tenalties for submitting fa	and am familiar with the information submitted on try of those individuals immediately responsible for and complete.
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I have ressued under this I certify his application for the information of the informatio	Personal Service (Affida Certified Mail (Postmark Publication (Notice of Publication (Notic	avit attached) ked postal receipt attache ublication attached) 2-6 and 35 CSR 4, and ave personally examined if that based on my inqui- primation is true, accurate enalties for submitting fa- cerator Columbia Gas Transparate James E. Amos Senior Engineer 1700 MacCorkle Ave. Charleston, WV 2532 one 304-373-2412	and am familiar with the information submitted on and complete. alse information, including the possibility of fine and amission. LLC APR 16 (215)

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory childs. 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



SURFACE OWNER WAIVER

County	Pocahontas	Operator Operator	Columbia Gas Transmission, LLC	
		Operator well number	Glady 7468	
		And the second second second second		

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 Note that this well is located in the Monongahela National Forest. The surface owner is the US Dept of Interior, and is managed by the BLM and US Forestry Service. Both parties have already approved the proposed well work per the enclosed "Sundry Notices and Reports on Wells" documents dated 2/9/15. Columbia requests that the 15 day comment period be waived, and the well work permit be issued at the DEP's earliest convenience.

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 a dequate 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.

<u>Comments must be in writing.</u> 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.

<u>List of Water Testing Laboratories</u>. 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 F orm WW2-B, a s urvey plat, and a s oil 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.

OR EXECUTION BY A NATUR	AL PERSON	FOR EXECUTION BY	A CORPORATION, ETC.
	Date	Company Name	
Signature		Ву	
		Its	Date
	Re	ceived	
E 4-1 (1)		of Oil & Gas	
Print Name	L Since		5.4
	APR	1 8 2015 Signature	Date

Operator's Well Number Glady 7468

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

US Dept of Interior

Columbia Gas Transmission, LLC

Storage Lease 1090700-000

not recorded

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 he reby a cknowledges 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

initiated.

• County Floodplain Coordinator

Received
Office of Oil & Gas

APR 16 2015

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 ac quired from the appropriate authority before the affected activity is

Well Operator:

Well Operator: By:Its:

Columbia Gas Transmission, LLC
James E. Amos

Senior Engineer

WW-9 Rev. 5/10

	Page		of	
API Number 47 -	075	-	00037	
Operator's Well N	o, Glady 74	68		

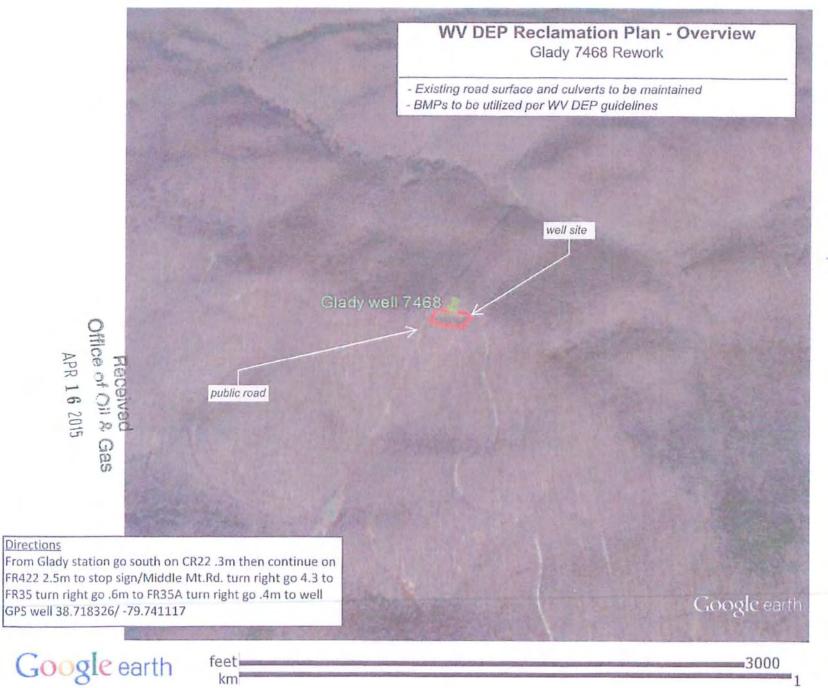
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name_Columbia	Gas Transmission, LLC	OP Code 307032	
Watershed Snorting Lick Ru	n of the Greenbrier River Quadran	gle Sinks of Gandy	-
Elevation 3749	County Pocahontas	District Green B	ank
Description of anticipated	Pit Waste: no earthen pit to be utilized		
Do you anticipate using m	ore than 5,000 bbls of water to complete the prop	osed well work? Yes	No X
Will a synthetic liner be us	sed in the pit? N/A . If so, what n	nil.?	ANY WELL EFFLUENT
×	d For Treated Pit Wastes: Land Application Underground Injection (UIC Permit Number_34 Reuse (at API Number_ Off Site Disposal (Supply form WW-9 for dispondence of the Care of the Ca		BE CONTAINED IN TO AND DISPOSED OF PRO
-If oil based, what Additives to be used? NaC Will closed loop system be Drill cuttings disposal met -If left in pit and	ed for this well? Air, freshwater, oil based, etc. fit type? Synthetic, petroleum, etc. type? Synthetic, petroleum, etc. the biocide, polymer, starch, calcium carbonate, surfactant e used? yes hod? Leave in pit, landfill, removed offsite, etc. plan to solidify what medium will be used? Cem the name/permit number? If needed: Pinegrove Landfill.	(CTCO) N/A ent, lime, sawdust	
on August 1, 2005, by the provisions of the permit a law or regulation can lead I certify under p application form and all	enalty of law that I have personally examined attachments thereto and that, based on my in , I believe that the information is true, accurat lse information, including the possibility of fine of the contraction.	rtment of Environmental Por condition of the general and am familiar with the quiry of those individuals	rotection. I understand that the permit and/or other applicable information submitted on this s immediately responsible for
Company Official Title_5	Senior Well Services Engineer		
Subscribed and sworn before	ore me this 7th day of April	, 20 <i>20</i>	
My commission expires_,	3/22/2020	Notary Publ	NOTARY PUBLIC OFFICIAL SEAL MARY MARIE CLENDENIN State of West Virginia My Comm. Expires Mar 22, 2020 Columbia Gipeliae 55001 48 Columbia Gas Road Sandyville, Wy 29

7500037W

Diversion Spring Wei Spot Drain Pipe with size in inches Waterway Cross Drain Artificial Filter Strip Pit: cut walls Pit: compacted fill walls Area for Land Application of Pit Waste Prevegetation pH 6 6.5 Tre (500 lbs minimum) * Note that fertilizer, lime, mulch, seed mix, and application rates determined
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6.5 ere (500 lbs minimum) * Note that fertilizer, lime, mulch, seed mix, and application rates determined
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Mixtures by US Forestry Service. Area II
Seed Type lbs/acre Durana Clover (pre-inoculated)
Mammoth Red Clover (pre-inoculated)
Chicory
eation.
Received Office of Oil & Ga
APR 1 6 2015
Date: 4-9-15



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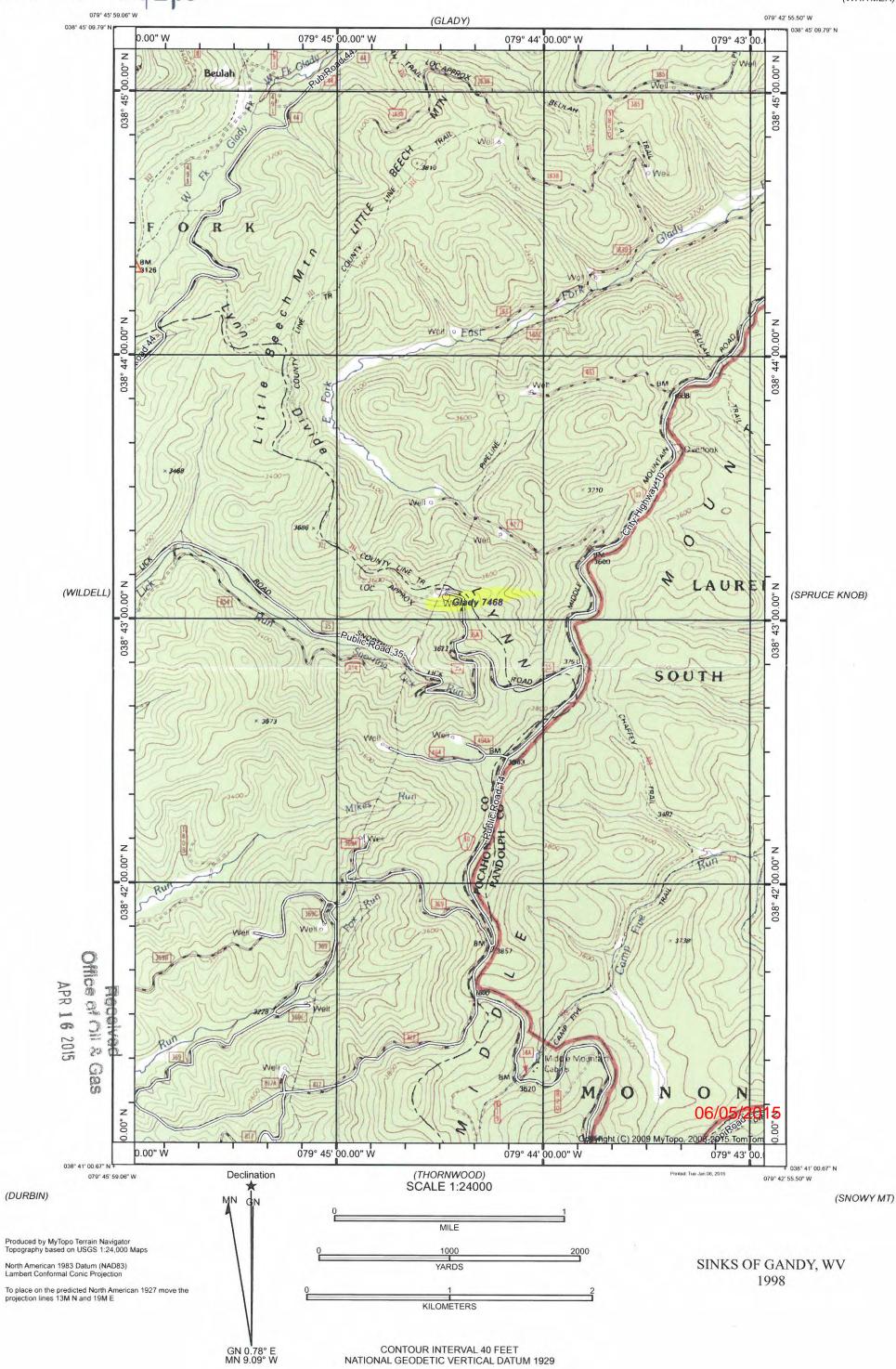
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1700 MacCorkle Ave SE P.O. Box 1273 Charleston, WV 25325

April 6, 2015

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

Enclosed is a permit application to acid stimulate Columbia's Glady storage well 7468 (API 075-00037).

Note that this well is located in the Monongahela National Forest. The surface owner is the US Department of Interior, and is managed by the Federal Bureau of Land Management (BLM) and the US Forestry Service (USFS). Both parties have already approved the proposed work per the enclosed BLM <u>Sundry Notices and Reports on Wells</u> and the <u>USFS Condition of Approval</u> documents. Neither agency wants a copy of the WV DEP – Office of Oil & Gas permit package. Therefore, Columbia requests that the 15-day comment period be waived, and the well work permits be issued at the DEP's earliest convenience.

If you have questions, feel free to call.

Regards,

Jim Amos

Senior Well Services Engineer

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Columbia Pipeline Group

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Office of Oil & Gas

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Well No.	Glady 7468	
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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 2000 feet of the proposed well site.

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

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

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

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

Certified Labora Sampling Contr	·	
Well Operator	Not applicable - existing underground natural gas storage well.	
Address		
Telephone		

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

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Office of Oil & Gas
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