

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

February 22, 2016

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-5100188, 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.

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. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalities being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin

Operator's Well No: 9-3992

Farm Name: STEELE, IDA

API Well Number: 47-5100188

Permit Type: Plugging

Date Issued: 02/22/2016

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.

WW-4B Rev. 2/01

CK#5114036

1) Date 7/29 , 20 15
2) Operator's
Well No. Majorsville Deep 3992
3) API Well No. 47-051 - 00188

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

5)	Location: Elevation 1153.7 ft (3	351.65 m) Wate	ershed Wheeli	ng Creek
	District Webster	Cour	nty Marshall	Quadrangle Majorsville, WV
)	Well Operator Columbia Gas	Transmission 7) De	esignated Age	ent Paul Amick
	Address 1700 MacCorkle	Ave SE	Addre	ass 1700 MacCorkle Ave SE
	Charleston, WV	25325-1273		Charleston, WV 25325-1273
	Oil and Gas Inspector to be	notified 9) Pl	ugging Cont	ractor
	Oil and Gas Inspector to be Name James Nicholson	notified 9)Pl	ugging Contr Name Cont	ractor ractor Services Inc (CSI)
)		notified 9)Pl	Name Contr	
)	Name James Nicholson		Name Contract Address 9	ractor Services Inc (CSI)
3)		notified 9)Pl		

Kill well. Obtain CBL. Pull or cut/fish all 4-1/2" tubing, packer, and anchor assembly that are free. Clean to TD. Spot bottom cement plug from TD to 50' above Gantz, and cement plug from 50' below base of Big Injun to 50' below 7" csg shoe. Pull or cut/fish all 7" csg that is free. Install cement plugs from top of last plug to 50' below 8-5/8" csg shoe. Pull or cut/fish all 8-5/8" csg that is free. Spot cement plug from top of last plug to 50' above top of Gas Sand. Perforate 10-3/4" csg below the Pittsburgh Coal and attempt to squeeze cement to surface. Repeat as necessary moving up hole until 10-3/4" csg is cemented to surface. Install cement plug from 50' below 10-3/4" csg shoe to surface. 6% gel to be placed between all cement plugs. Install permanent steel monument with top 36" above ground level.

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

Work order approved by inspector

. Willson

WW Department of

02/26/2016

Majorsville Deep Well 3992 **Well and Well Line Abandonment Prognosis**

Drilled in 1948 by ML&H Marshall Co, WV

Casing Info

10-3/4" surface/coal combined csg set @ 634'	(no record of cement)
8-5/8" csg set @ 1218'	(no record of cement)
7" csg set @ 1718'	(no record of cement)

4-1/2" tubing to 2557' (I think it was ran as follows):

tubing	0 – 2255′	(no record of cement)
packer	@ 2255'	
tubing (179')	2255 – 2434'	(no record of cement)
perforated tubing (25')	2434 – 2459'	(no record of cement)
tubing (75')	2459 – 2534'	(no record of cement)
perforated tubing (23')	2534 – 2557'	(no record of cement)

Formation Tops

Coal	113 – 110	eiog	
Slate	116 – 153′	driller	show W @ 150' (0.5 bailer)
Pittsburgh Coal ·	591 – 597′	driller & elog match	
Gas Sand	1132 – 1184′	elog	show G 1135 – 60'
Salt Sand 1	1236 – 1322'	elog	
Salt Sand 2	1458 – 1494'	elog	
Maxton	1534 – 1563′	elog	
Big Lime	1685 – 1692'	elog	
Loyalhanna Big Injun	1704 – 1756'	elog	
Pocono Big Injun	1756 – 1900'	elog	
Gantz	2242 – 2256'	elog	
Fifty Foot Sand	2447 - 2458'	elog	Gas 2449 – 53' (250 MCFD)
Thirty Foot Sand	2508 – 2513'	elog	MECEN
TD	2557'	driller	Office of O'VED
			Office of Oil and Gas

^{*} CPG geologist indicates there is always a potential for gas to be contained in all porous formalions from the Gas Sand to the Fifth Sand

WV Department of Environmental Protection

P&A Procedure

- 1. Kill well and load 4-1/2" x 7" annulus.
- 2. Obtain CBL.
- 3. NU 9" annular BOP on 7" csg.
- 4. Attempt to pull all of the 4-1/2" casing string, including the packer and anchor. If cannot pull wireline free point and cut/pull all casing that is free. Office of Oil and Gas point and cut/pull all casing that is free.
- 5. Clean to below base of Thirty Foot Sand.

- 7. ND BOP, dress top of 7" csg for pulling, and NU 9" 2M annular BOP on 8-5/8" csg. JAN 2.5 2016
 8. Attempt to pull 7" csg. If street and 100 on 100 8. Attempt to pull 7" csg. If stuck, perform wireline free-pt and cut/pull all casing that is free criment of WV Department of

Environmental 02/26/2016

- 9. Install cement plug from top of last plug to 50' below 8-5/8" csg shoe.
- 10. ND BOP, dress top of 8-5/8" csg for pulling, and install 11" annular BOP on 10-3/4" csg.
- 11. Attempt to pull 8-5/8" csg. If stuck, perform wireline free-pt and cut/pull all casing that is free.
- 12. Spot cement plug from top of last plug to 30' below 10-3/4" csg shoe.
- 13. DO NOT PULL 10-3/4" CASING RISK OF LOSING WELLBORE IF PULLED, AND SERVES TO FACILITATE RE-ENTRY OF WELLBORE IF NEEDED.
- 14. Perforate 10-3/4" csg below the Pittsburgh Coal @ 620' and perform injection test. If circulation established squeeze cement to surface. If circulation not established, perforate @ 300' and repeat.
 - ** DISCUSS WITH STATE INSPECTOR TO DETERMINE NEXT OPTIONS (15A or 15B below) FOR COMPLETING P&A. Option 15A is the preferred method due to Markwest's plans to excavate and possibly build structures above wellbore.
- 15A. Install cement plug from top of last plug to surface inside the 10-3/4" casing and install monument, or 15B. Evacuate/swab all fluid from inside 10-3/4" casing and install vent.

ANY CASING CANNOT BE PULLED, BUT HAS UNCEMENTED OIL & GAS SHOWS, COAL SHOWS OR WATER SHOWS, THEN THE REMAINING CASING NEEDS TO BE PERFORMTED TO ALLOW CEMENT. TO BE SQUEEZED BEHIND THE UNCEMENTED CASING TO COURT ANY OIL + 649, COAL & WATER SHOWS. y wim

Office of Oil and Gas FEB 0 4 2016 WV Department of RECEIVE rotection Office of Oil and Gas

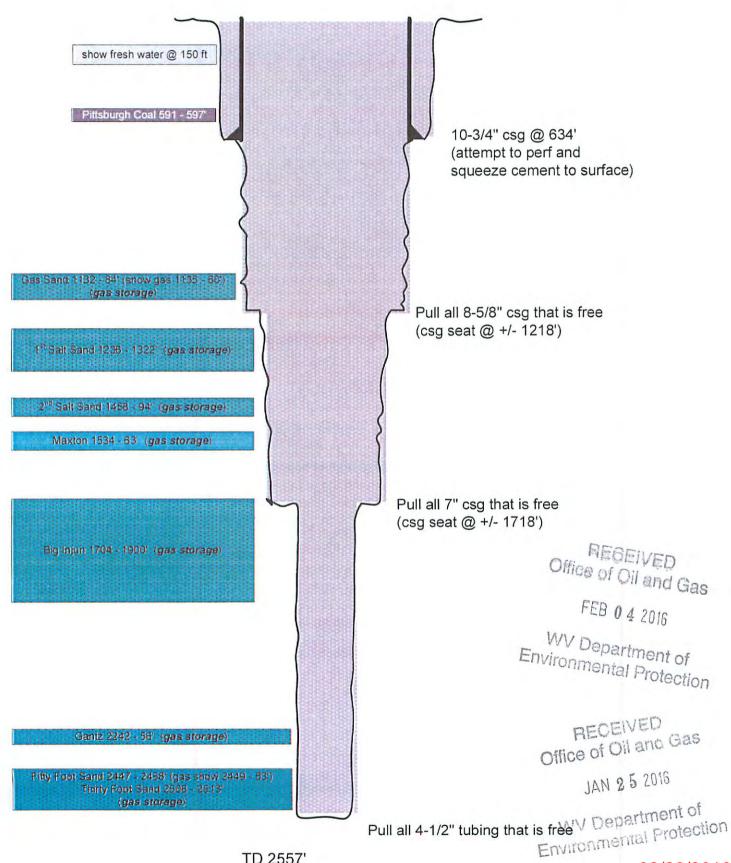
JAN 25 2016

WV Department of Environmental Protection 02/26/2016

Majorsville Deep well 3992 (proposed post P&A)

1/19/16

~ not to scale ~



5100/38 P

FORM 109 C:	. *	**	I	HE MANUFA	CTURERS Company		HEAT C	0.	7		6	IIV.	3	_
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			Herman Bo											
Tool Dre	ssers -	Fred For	dyce, L.	Grim, Mil	ton Todd	•								
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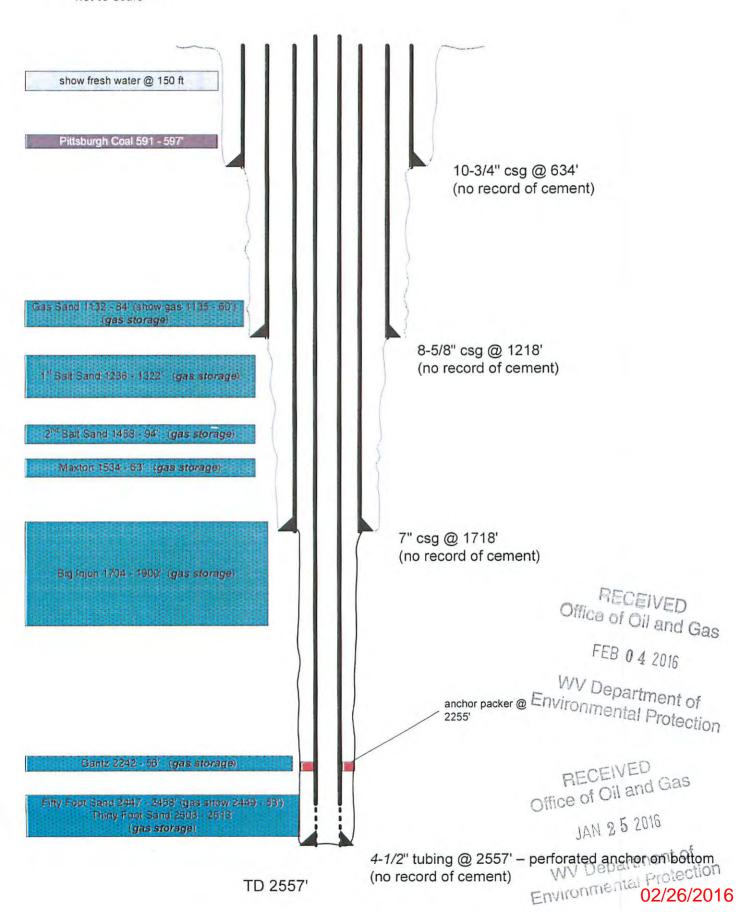
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Majorsville Deep well 3992 (prior to P&A)

7/2/15

~ not to scale ~



WW-4A	
Revised	6-07

1) Date: 7/29/15
2) Operator's Well Number
Majorsville Deep 3992

3) API Well No.: 47 -

051 - 00188

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE 0F APPLICATION TO PLUG AND ABANDON A WELL

	MarkWest Liberty Midstream & Resource	es, LLC / Name	The Ohio County Coal Company (aka Shoemaker Min.
(a) Name Address	4600 J. Barry Ct., Suite 500	Address	46226 National Rd W
11441000	Canonsburg, PA 15317		St Clairsville, OH 43950
(b) Name	Att: Tim Miller	(b) Coal Ow	vner(s) with Declaration
Address	<u>,</u>	Name	Murray American Energy
- 0.000		Address	46226 National Rd W
	·	4 1900	St Clairsville, OH 43950
(c) Name		Name	
Address		Address	
6) Inspector	James Nicholson	(c) Coal Les	ssee with Declaration
Address	PO Box 44	Name	N/A
	Moundsville, WV 26041	Address	
Telephone	304-552-3874		
(2) The The reason However,	you are not required to take any action at all	have rights regarding the applic	cation which are summarized in the instructions on the reverses side.
(2) The The reason However, Take notic accompan Protection the Applic	plat (surveyor's map) showing the we n you received these documents is that you you are not required to take any action at all the that under Chapter 22-6 of the West Virg ying documents for a permit to plug and above, with respect to the well at the location des	have rights regarding the application. Inia Code, the undersigned well andon a well with the Chief of the teribed on the attached Applications is a second or desistered or certified mail or de	operator proposes to file or has filed this Notice and Application and the Office of Oil and Gas, West Virginia Department of Environmental ion and depicted on the attached Form WW-6. Copies of this Notice,
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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 depprivacyoffier wv.gov.



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

February 2, 2016

MarkWest Liberty Midstream & Resources 4600 J. Barry Ct., Suite 500 Canonsburg, PA 15317 Att: Tim Miller

Tim, enclosed is a copy of the WV DEP Office of Oil & Gas permit application to plug and abandon Columbia's Majorsville Deep well 4272. This is provided to MarkWest to comply with WV DEP permit application requirements.

To expedite the permit approval process, if MarkWest has no objection to the proposed abandonment, please sign, date, and return the Surface Owner Waiver to:

Columbia Gas 48 Columbia Gas Rd Sandyville, WV 25275 Att: Jim Amos

If MarkWest wants to file comments or object to the permit application, instructions are outlined on the <u>Surface Owner Waiver</u> form.

If you have questions, feel free to call.

Regards,

tim Amos

Senior Well Services Engineer Columbia Gas Transmission, LLC

jamos@cpg.com off: 304-373-2412 cell: 304-483-0073 RECEIVED
Office of Oil and Gas

FEB 0 4 2016

WV Departmental Protection

SURFACE OWNER WAIVER

Operator's Well Number

Majorsville Deep 3992

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

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.

<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.

should request a copy from the Cl	hief.			o of Oil and Gas
<u>volu</u>	JNTARY STATEM	MENT OF NO	O OBJECTION	FFD a.
I hereby state that I have rea	d the instructions	to surface ow	ners and that I have r	eceived copies of a Notice
and Application For A Permit To Plug	g And Abandon on I	Forms WW-4/	A and WW-4B, and a s	Christ Off English of
I further state that I have n		planned wor		- ACTECION
objection to a permit being issued on t FOR EXECUTION BY A NATURAL			FOR EXECUTION	N BY A CORPORATION,
ETC.	I ERSON			. <u>^</u> †
			,	NV Department of Vironniental Protection
	Date	Name		uronniental Plotes
Signature		By	En	
		Its		Date
				02/26/2016
			Signature	Date



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

February 2, 2016

The Ohio County Coal Company (aka Shoemaker Mine) 46226 National Rd W St. Clairsville, OH 43950

Columbia Pipeline Group, an underground natural gas storage operator, is planning to plug and abandon their Majorsville Deep storage well 4272. The well is located in Marshall County, WV, and records indicate that The Ohio County Coal Company (aka Shoemaker Mine) is the coal operator on subject property.

To comply with WV DEP Office of Oil & Gas permit application requirements, Columbia is required to provide the coal operator a copy of the permit application enclosed.

Please refer to form WW-4B <u>Instructions to Coal Operators</u> for an explanation of your rights to be present during plugging operations and to decide whether to follow up with a request that the well be plugged according to 22-6-24(d).

If The Ohio County Coal Company has no objection to the abandonment, please sign, date, and return the Instructions to Coal Operators form to:

Columbia Gas 48 Columbia Gas Rd Sandyville, WV 25275 Att: Jim Amos

If you have questions, feel free to call.

Regards,

Lim Amos

Senior Well Services Engineer Columbia Gas Transmission, LLC

jamos@cpg.com off: 304-373-2412 cell: 304-483-0073 RECEIVED
Office of Oil and Gas

FEB 0 4 2016

WV Department of Environmental Protection



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

February 2, 2016

Murray American Energy 46226 National Rd W St. Clairsville, OH 43950

Columbia Pipeline Group, an underground natural gas storage operator, is planning to plug and abandon their Majorsville Deep storage well 4272. The well is located in Marshall County, WV, and records indicate that Murray American Energy owns the coal on subject property.

To comply with WV DEP Office of Oil & Gas permit application requirements, Columbia is required to provide the coal owner a copy of the permit application enclosed.

Please refer to form WW-4B <u>Instructions to Coal Operators</u> for an explanation of your rights to be present during plugging operations and to decide whether to follow up with a request that the well be plugged according to 22-6-24(d).

If Murray American Energy has no objection to the abandonment, please sign, date, and return the Instructions to Coal Operators form to:

Columbia Gas 48 Columbia Gas Rd Sandyville, WV 25275 Att: Jim Amos

If you have questions, feel free to call.

Regards,

Jim Amos

Senior Well Services Engineer Columbia Gas Transmission, LLC

jamos@cpg.com off: 304-373-2412 cell: 304-483-0073 RECEIVED
Office of Oil and Gas

FEB 0 4 2016

WV Department of Environmental P<mark>rov∉2662016</mark>

API No.

47-051-00188 ³

Farm Name Steele, Ida (WV DEP records)

Well No.

Majorsville Deep 3992

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 then 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	
has examined this proposed plugging work of	order. The undersign perator has complied	ssee/ of the coal under this well location ned has no objection to the work proposed to be d with all applicable requirements of the West
Date:		
	Ву:	
	Its	

RECEIVED Office of Oil and Gas FEB 0 4 2016 WV Department of Environmental Protection 02/26/2016

WW-9 (2/15)

API Number 47 - 051

_ 00188

Operator's Well No. Majorsville Deep 3992

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) Wheeling Creek Quadrangle Majorsville, WV
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No
Will a pit be used? Yes No
If so, please describe anticipated pit waste:
Will a synthetic liner be used in the pit? Yes No If so, what ml.?
Proposed Disposal Method For Treated Pit Wastes:
Land Application
Underground Injection (UIC Permit Number 34-121-02459, 34-059-20965 Reuse (at API Number)
Off Site Disposal (Supply form WW-9 for disposal location)
Other (Explain Rumpke Beech Hollow Landfill Wellston, OH
Will closed loop system be used? If so, describe: yes
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? N/A
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)
-Landfill or offsite name/permit number?
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 August 1, 2005, 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 Company Official (Typed Name) James E Amos
Company Official Title Senior Well Services Engineer Office of Oil and
JAN 25 2018
Subscribed and sworn before me this 29th day of July , 20/15
Mary Mary Public Protary Public MARY MARY MARIE CLENDENIN
My commission expires 3/22/2020 All Commission expires Mercent State of West Virginia My commission expires Merce Proprint Group

02/26/2016

Columbia Gas T	ransmission		
Proposed Revegetation Treatment: Acres Disturbed < 0.7		Prevegetation pH 6.5	
Lime 2	Tons/acre or to correct to p	pH 7.0	
Fertilizer type 10-	-10-10	-	
Fertilizer amount	300	_lbs/acre	
Mulch 2	Ton	ns/acre	
	<u>S</u> .	eed Mixtures	
Temporary		Permanent Upland	
Seed Type	lbs/acre	Seed Type lbs/acre	
Annual Rye	40	Orchard Grass and/or Tall Fescue	29
Mulch		Birdsfoot Trefoil (empire)	ç
Straw	6000	Annual Rye	12
Plan Approved by:	un Tuldo		
		Pic	25-
		M.	
			1 14/11
		LER	04;
		MAY =	04;
		WV Dep. Environmen.	0 4 ; artm tal P
Title: Oil d	cas lachoden	WV Dep. Environmen.	04 artm tal p
Title: Oil d (Das lugs oden	MAY =	artm tal P and









Majorsville Deep storage well 3992 Plug & Abandonment

WV DEP Reclamation Plan 1 of 2 - Overview

- BMPs to be utilized per CPG WV Environmental Construction Standards, site specific CPG Environmental Management & Construction Plan, and WV DEP guidelines
- Drainage, diversions, etc. to be maintained on existing lease road
- crushed limestone to be applied to existing lease road as needed to maintain integrity







Majorsville Deep storage well 3992 Plug & Abandonment

WV DEP Reclamation Plan 2 of 2 - Site Detail

- BMPs to be utilized per CPG WV Environmental Construction Standards, site specific CPG Environmental Management & Construction Plan, and WV DEP guidelines
- Drainage, diversions, etc. to be maintained on existing lease road
- crushed limestone to be applied to existing lease road as needed to maintain integrity

(CLAYSVILLE)

039° 59' 28.54" N

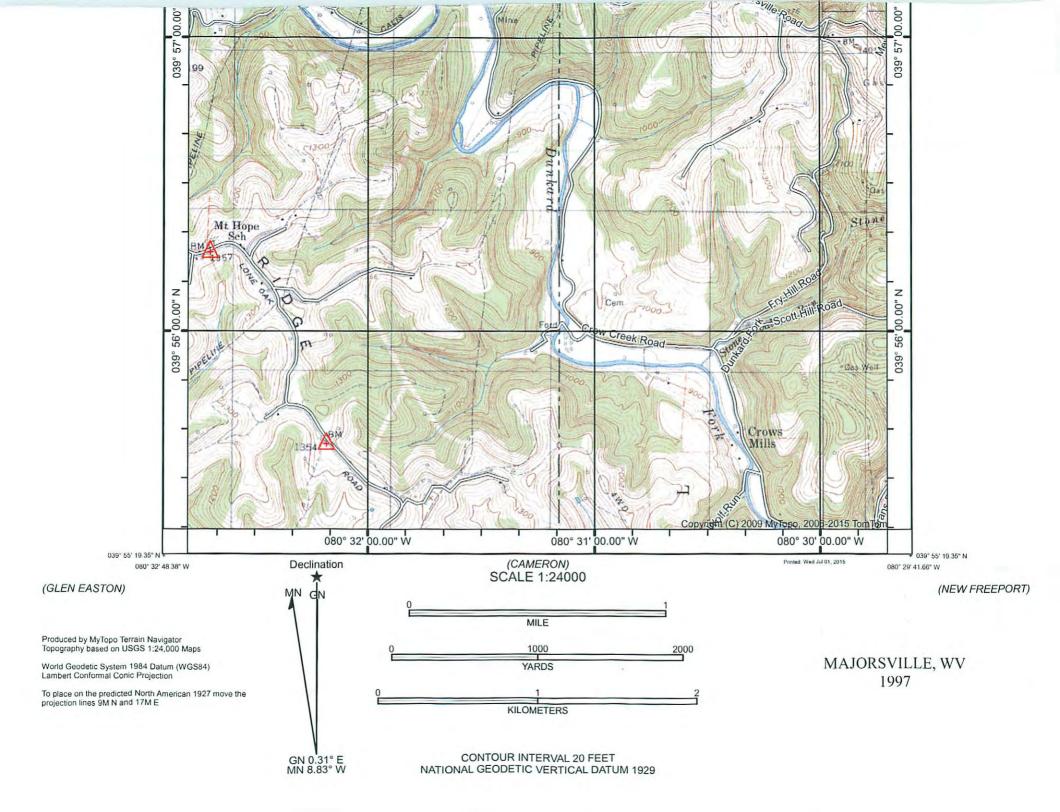
20

JAN 2

(WIND RIDGE)

Environmental Protecti

WV Department





West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION	FORM: GPS				
API: 47-051-00188	WELL NO.: 3992				
FARM NAME: Steele, Ida (WV DEP records)					
RESPONSIBLE PARTY NAME: Columbia Gas Transmission					
COUNTY: Marshall	DISTRICT: Webster				
QUADRANGLE: Majorsville, WV					
SURFACE OWNER: MarkWest Liberty	Midstream & Resources, LLC				
ROYALTY OWNER: Emily Santee et al	(storage lease 3019407-001)				
UTM GPS NORTHING: 4423063.13 I	<u>n</u> /153.7 #				
UTM GPS NORTHING: 4423063.13 r UTM GPS EASTING: 540928.28 m	GPS ELEVATION: 351.65 m				
The Responsible Party named above has chosen to preparing a new well location plat for a plugging pabove well. The Office of Oil and Gas will not accept the following requirements: 1. Datum: NAD 1983, Zone: 17 North, Cheight above mean sea level (MSL) – 12. Accuracy to Datum – 3.05 meters	permit or assigned API number on the cept GPS coordinates that do not meet coordinate Units: meters, Altitude:				
3. Data Collection Method: Survey grade GPS: Post Processed Differential					
RECEIVED					
Mapping Grade GPS X : Post Processed D	ifferential horizontal & vertical hos				
Real-Time Differential					
belief and shows all the information required by la prescribed by the Office of Oil and Gas. Senior Well	Services Engineer 7/28/15 ment of Protection				
Signature	Title Environment 02/26/2016				