



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

August 11, 2014

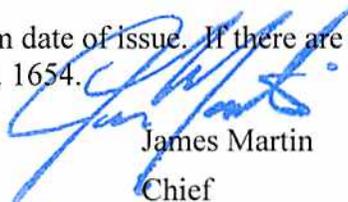
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-10500282, 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 penalties 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
Chief

Operator's Well No: 7246
Farm Name: MCCUMBERS, ROBERT D. & PAI
API Well Number: 47-10500282
Permit Type: Plugging
Date Issued: 08/11/2014

Promoting a healthy environment.

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.

1) Date 4/1, 2014
2) Operator's
Well No. Rockport 7246
3) API Well No. 47-105 - 00282

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

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

5) Location: Elevation 839.8 Watershed Sandy Creek
District Tucker County Wirt Quadrangle Rockport

6) Well Operator Columbia Gas Transmission, LLC 7) Designated Agent Paul Amick
Address 1700 MacCorkle Ave SE Address 1700 MacCorkle Ave SE
Charleston, WV 25325-1273 Charleston, WV 25325-1273

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

10) Work Order: The work order for the manner of plugging this well is as follows:
* Refer to attached detailed procedure and wellbore schematic.

Wellbore to be cleaned to uncover Oriskany storage zone. Bottom cement plug to be placed across Oriskany per regulations. Mechanical bridge plug to be installed above bottom cement plug. All casing that is free will be pulled. Good faith efforts will be made to hydraulically isolate potential oil, gas, and/or water bearing zones via squeeze cement and/or cement plugs, per regulations.

Received

JUN - 3 2014

Notification must be given to the district oil and gas inspector WV Dept of Environmental Protection before permitted work can commence.

Work order approved by inspector _____ Date _____

Rockport - 07246 2014 Well Work

DETAILED P&A PROCEDURE FOR STATE PERMIT APPLICATION

ROCKPORT 7246

Objective: P&A well and abandon line

--- Well Info -----

Drilled in 1950
Reconditioned in 1953 and 2003

API wellhead installed in 2003

* refer to wellbore schematic in well file

13-3/8" ran/pulled - casing seat 845'
10-3/4" ran/pulled - casing seat 1266'
8-5/8" 28# set @ 2222' (85 sx cement poured down annulus)
7" 23# from 2139 to 5086' (20 sx cement - I think this was a primary job)
4.5" 10.81# 0.237" wall (4.026" ID) Gr B (35,000 yield strength) line pipe as
flowstring set @ 5159' w/ wall & anchor pkr @ 5112' based on CCL response
on log - no record of anchor but most likely one was ran to activate W&A
packer - no record of primary cement job - 480 sx of cement "poured" down
annulus in multiple trips (therefore most likely topped off at surface).
BURST CALCULATIONS:
API -----> 3226 psi
B31G -----> 4055 psi

Driller's Formation Tops

Pittsburgh Sand	730 - 781'	(water @ 735' - 1.5 bailers)
black slate	781 - 785'	(water @ 770' - 4 bailers)
sand	1415 - 1475'	(water @ 1440' - 1 bailer/hr)
sand	1590 - 1660'	(water @ 1620' - 2 bailer/hr)
sand	1795 - 1985'	(hole full of water @ 1860')
Berea	2421 - 2422'	(elog depth - no show)
Onondaga	5021 - 5148'	
Oriskany	5148 - 5159'	(gas)
TD	5159'	

Top AOF 31.7 MMCFD in 1950
Most current measured AOF 7.2 MMCFD in 2004

Never fracture stimulated or shot.

2004 MFL indicates all Class 1
2003 CBL - ran 4000 to 5000 ft - indications of cement toward bottom - cement
quality poor toward top of logged interval

--- Procedure -----

Obtain FERC and NRP clearances, and State permit. Perform pipeline crossing eval.

Disconnect well line. Prep road and well site.

NOTE DO NOT EXERT MORE THAN 2800 psi on light weight 4-1/2" flowstring at any depth. Maximum surface pressures during kill job, pressure testing, etc. to be determined based on fluid hydrostatic pressure.

* Kill well - spearhead stiff LCM pill. MI wireline unit and run cement bond log from TD to surface. Clean to TD if top of Oriskany not uncovered. TIH open-ended and spot bottom cement plug from 4700' to TD. PU above cement top and reverse circulate to clean tubulars. Pull 2 stands, close BOPs, and WOC until cement compressive strength reaches 1500 psig. Tag cement top and load wellbore with 6% gel from top of cement plug to 850. TOOH..

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Office of Oil and Gas
WV Dept. of Environmental Protection

Rockport - 07246

2014 Well Work

MI wireline unit. Run guage ring and set cast iron DBP above cement plug. Pressure test BP - no more than 2800 psig on flowstring at depth of DBP. Shoot squeeze cementing perms at 800' (below deepest fresh water) with maximum penetrating charge in hopes of penetrating 8-5/8" csg. RDMO wireline.

Attempt to circulate thru squeeze perms. If circulation to surface established, cement to surface. If not, spot cement plug from 900' to 50' below depth of cement top behind 3-1/2" tubing. 4 1/2"

Free pt, cut, and backoff all 3-1/2" and 8-5/8" csg that is free. Spot balanced cement plugs from top of cement plug to surface. Grout all uncemented annuli as deep as possible.

Stab a ~10 ft long piece of 7" csg in well before top cement plug cures, leaving ~30" above grade. Tack weld steel cap and API number on side of monument.

★ IF CBL SHOWS INADEQUATE CEMENT, NOTIFY INSPECTOR.
PERFORATE 4 1/2" AND SQUEEZE ENOUGH CEMENT TO BE A MINIMUM
OF 400' ABOVE CRISKANY. (MAY HAVE TO PERFORATE 4 1/2" & 7")
NOTIFY INSPECTOR AFTER RUNNING CBL TO DISCUSS
POSSIBILITY OF SQUEEZE CEMENT JOB.

PLACE A MINIMUM OF 200' CLASS A CEMENT PLUG
FROM 2200' - 2400'.


5-28-14

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Office of Oil and Gas
WV Dept. of Environmental Protection

10500282P

ROCKPORT 7246

5/7/13

Cement top likely at surface based on decision to cut and extend 4-1/2" flowstring and install plate on 8-5/8" to center casing head during wellhead installation in 2003

water @ 735 ft in Pittsburgh Sand
water @ 770 ft in black slate

13-3/8" csg ran/pulled
(casing seat 845')

10-3/4" csg ran/pulled
(casing seat 1266')

water @ 1440 ft in sand

water @ 1620 ft in sand

hole full of water @ 1860 ft in sand

8-5/8" csg @ 2222'
(85 sx "poured down annulus")

Berea 2421 - 2422' (no show)

Bottom of cement unknown

* Note no oil or gas shows reported by driller above Oriskany

[Handwritten signature]
5-28-14

Cement top unknown

Parmaco wall & anchor packer @ 5112'

Onondaga Ls 5021 - 5148'
Oriskany 5148 - 5159'
(gas storage)

7" 22 & 23# csg from 2139 to 5085'
(20 sx cement - appears primary job)

4-1/2" 10.81# csg @ 5159' - anchor on bottom
(480 sx "poured" down annulus - probably topped off at surface)

Received TD 5159'

JUN - 3 2014

10500282P

WORK ORDER

REQUEST NO. 3892
 DATE July 23, 19 53

11-5135-53

BUDGET NO. 864 WORK ORDER NO. 4687
 DATE ISSUED 8-7 19 53

COMPANY United Fuel Gas Company DEPT. (For Storage) **Production**
 PROPOSED WORK Recondition Well X-58-7246 (Well 6549) and Install Heavier Equipment **BUCKNER DISTRICT** Clendenin

KNOWN AS Well X-58-7246-Additions ORIGINAL INSTALLATION DATE
 PURPOSE AND NECESSITY To Clean out Well and Install heavier equipment, due to well being converted into a Storage Well in Pool X-58

LOCATION: Well X-58-7246 (Well 6549) S.O. Toncrav Farm
 IN Tucker Rural Wirt West Virginia
DISTRIBUTION PLANT MAGISTERIAL DISTRICT TARIFF DISTRICT COUNTY STATE

RELATED PROJECT WORK ORDER NO. _____ FOR Well #6549 Part Removal.
 APPROVED BY John C. Martin APPROVED BY H. C. Mafford, Jr.

DETAIL OF EXPENDITURES

MATERIAL TO BE INSTALLED	BOOK PRICE	SIZE	ESTIMATE		ACTUAL		VARIATION	
			QUANTITY	AMOUNT	QUANTITY	AMOUNT		
Steel Tubing	12.60#	.98	4"	5159'	5,056.00	5224'	5,360.66	304.66
Wall & Anchor Packer			4"x7"	1	225.00	1	175.11	(49.89)
Welded Tee Assembly			4"x4"x"	1	40.00	1	23.68	(16.32)
Nord. #2349 Plug Valve Comp.			4"	1	460.00	1	362.34	(97.66)
Orbit Gate Valve Complete			4"	1	550.00	1	508.20	(41.80)
Anchor Clamps			4"	1	30.00	1	7.35	(22.65)
Turnbuckles	15.00		1 1/2"x18"	2	30.00	2	25.83	(4.17)
Fittings					25.00		43.68	18.68
Centralizers	28.00		4"x7"	12	336.00	10	237.75	(98.25)
Flanges W/N			4"	-	-	8	217.89	217.89
Casing Coupling			7"	-	-	1	9.60	9.60
TOTAL MATERIAL					6,752.00		6,972.09	220.09
INSTALLATION COST								
Direct Labor					1,700.00		2,467.82*	767.82
Use of Auto and Hauling					1,400.00		1,636.73*	236.73
Tools, Supplies and Misc. Expense					225.00		409.24	184.24
Stores Expense & Freight					682.00		662.34	(19.66)
Hauling Erecting & Dismantling Spudder					350.00		- *	(350.00)
Fuel					25.00		42.00	17.00
Cement & Services					1,800.00		1,838.08	38.08
Labor Benefits Overheads					313.00		452.93	139.93
Administrative Overheads					69.00		74.01	5.01
Interest					-		77.38	77.38
TOTAL INSTALLATION COST					6,564.00		7,660.53	1,096.53
TOTAL ESTIMATE					13,316.00		14,632.62	1,316.62

INDICATE NORTH SKETCH (CORRECT TO ACTUAL) INVENTORY MAP NO. R-P-64/107
 Map Square 64-107

Note: Move in Bucyrus Erie Spudder and String of Cleaning Out Tools, Pull 2" Tubing, Clean Out Well, Run a String of 4" Tubing on a Wall & Anchor Packer, Cement between 4" x 7" to top of Hole, Install Heavier Equipment, Shut in Well and report results.

*Included in Use of Auto and Direct Labor.

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Office of Oil and Gas
 WV Dept. of Environmental Protection

COMPLETION REPORT

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

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

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

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

MATERIAL INSTALLED OR RETIRED			MATERIAL INSTALLED OR RETIRED		
QUANTITY	SIZE	DESCRIPTION	QUANTITY	SIZE	DESCRIPTION
522#	4-1/2"	Tubing Sm'l Gr. B. New .237" Wall	10.81#		
1	4"	Valve Gate Steel Orbit 3000# WOG			
1	4"	Valve Plug Nord Fig. 2349.2000# WOG			
1	4-1/2" X 7" X 2 1/2"	Packer Parnaco Wall & Anchor			
1	4"	Tee Welding Standard Gr. B.			
8	4"	Flanges W/N Drl. FS Ser. 90			
1	4"	Plug Bull XX S			
2	1-1/2" X 18"	Turn Buckles			
1	4-1/2"	Clamp Anchor			
2	1-1/4" X 2 1/2"	Bolts Hair Pin			
21	4-1/2"	Pipe Sm'l. Gr. B. .237" Wall	10.79#		
6	4"	Gaskets Ring Oval Steel			
48	1-1/8" X 7"	Bolts Stud Regular			
1	1/2"	Valve Gate Needle Steel Sc.			
9	4-1/2"	Centralizers H-20			
1	4-1/2"	Centralizers G-15			
1	7"	Coupling			
51#		Sacks Cement			
3-1/2		Cu. Yard Ready Mix			
30#		Thread Lube			
15#		20-D-Common Wire Nails			
15#		10-D-Common Wire Nails			
10#		30-D-Common Wire Nails			

MATERIAL TRANSFER NUMBERS: February-1953. # 75-188-March-40-60-96-117-175-183-April-173-June-64-245-299-July-27-October-N-30-N-39-N-40-143.

PIPE COATING			ORIGINAL INSTALLATION DATES OF PROPERTY RETIRED		
QUANTITY	KIND	FT. OF PIPE	QUANTITY	KIND	DATE

TYPE OF JOINTS <u>Steel Tubing</u> EXCAVATION: BY HAND _____ FT. MACHINE _____ FT. WIDTH OF TRENCH _____ FT. AVG. DEPTH _____ FT. TYPE OF PAVING _____ PAVING CUT: WIDTH _____ FT. LENGTH _____ FT. DESCRIBE NATURE OF SOIL: <u>Storage Well</u> REPORT UNUSUAL CONDITIONS ENCOUNTERED IN CONSTRUCTION: _____ _____ _____	INFORMATION TO BE FURNISHED FOR SMALL STRUCTURES. OUTSIDE DIM. LENGTH _____ WIDTH _____ HEIGHT TO EAVES _____ HEIGHT TO RIDGE _____ FOUNDATION: KIND _____ FOUNDATION: THICKNESS _____ HEIGHT ABOVE GROUND _____ DEPTH BELOW GROUND _____ FLOOR: KIND _____ THICKNESS _____ WALL: KIND _____ THICKNESS _____ ROOF: TYPE _____ KIND _____ DOOR: NO. _____ SIZE _____ KIND _____ WINDOWS: NO. _____ SIZE _____ KIND _____ PAINTING _____ MISCELLANEOUS _____
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Received

REASON FOR OVERRUN - UNDERRUN: Direct Labor underestimated. JUN - 3 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

DATE WORK STARTED February 24, 19 53 DATE WORK COMPLETED July 5, 19 53
 COMPILED BY Donald D Rucker DATE 10/13/ 19 53 APPROVED BY [Signature] DATE 10-16 19 53

10500282P

United Fuel Gas Company
COMPANY

ROCKPORT 7246

SERIAL WELL NO. 6549

LEASE NO. 44284

MAP SQUARE 01 - 107

RECORD OF WELL NO. <u>6549</u> on the	CASING AND TUBING				TEST BEFORE SHOT
	SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	
<u>S. O. Tomoray</u> farm of <u>75</u> Acres	<u>13 3/8"</u>	<u>48%</u>			Was Not Shot /10 of Water in _____ inch
in <u>Tucker</u> District	<u>10 3/4"</u>	<u>40.5%</u>			/10 of Merc. in _____ inch
<u>Hirt</u> County	<u>8 5/8"</u>	<u>28%</u>			Volume: <u>22,699,000</u> Cu. ft.
State of: <u>West Virginia</u>	<u>7"</u>	<u>22 & 23%</u>			TEST AFTER SHOT
Field: <u>Clendenin-Sissonville # 5</u>	<u>2"</u>	<u>4.60%</u>			/10 of Water in _____ inch
Rig Commenced <u>12 - 5</u> 194 <u>9</u>					/10 of Merc. in _____ inch
Rig Completed <u>12 - 15</u> 194 <u>9</u>					Volume: _____ Cu. ft.
Drilling Commenced <u>12 - 24</u> 194 <u>9</u>					_____ Hours After Shot
Drilling Completed <u>3 - 27 - 50</u> 194 <u>9</u>					Rock Pressure <u>1115 #</u>
Drilling to cost <u>3.25</u> per foot					Date Shot _____
Contractor is: <u>Hays Drilling Co.</u>	SHUT IN				Size of Torpedo _____
Address: <u>Kenna, W. Va.</u>					Oil Flowed _____ bbls. 1st 24 hrs.
Driller's Name <u>G. E. Litton</u>	Date <u>Mar. 27, 1950</u>	Oil Pumped _____ bbls. 1st 24 hrs.			
<u>D. H. Soyoc</u>	<u>7</u> in. <u>Casing</u> Tubing or Casing				
	Size of Packer _____	Well abandoned and			
	Kind of Packer _____	Plugged _____ 194 _____			
	1st Perf. Set _____ from _____				
Elevation: <u>835.74</u>	2nd Perf. Set _____ from _____				

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil	0	10	10	
Red Rock	10	100	90	
Blue Mud	100	120	20	
Red Rock	120	140	20	
Sand	140	160	20	
Slate & Mud	160	198	38	
Red Rock	198	275	77	
Slate	275	300	25	
Red Rock	300	312	12	
Slate	312	320	8	
Red Rock	320	370	50	
Broken Sand	370	405	35	
Red Rock	405	532	127	
Sand	532	541	9	
Blue Mud	541	555	14	
Red Rock	555	565	10	
Lime	565	580	15	

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Office of Oil and Gas
WV Dept. of Environmental Protection

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SERIAL WELL NO. 6549

LEASE NO. 44284

MAP SQUARE A - 107

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Blue Mud	580	590	10	
Red Rock	590	645	55	
Slate & Shells	645	665	20	
Red Rock	665	675	10	
Slate	675	730	55	
Pittsburgh Sand	730	781	51	1 1/2 Bailsers Water At 735
Black Slate	781	785	4	4 " " " " 770
Sandstone	785	800	15	
Slate	800	805	5	
Sandy Lime	805	815	10	
Slate & Shells	815	825	10	
Lime Shell	825	845	20	
Slate & Shells	845	895	50	
Red Rock	895	935	40	
Slate & Shells	935	950	15	
Red Rock	950	1020	70	
Lime	1020	1035	15	
Slate & Shells	1035	1070	35	
Red Rock	1070	1100	30	
Pink Rock	1100	1130	30	Received
Slate & Shells	1130	1210	80	
Red Rock	1210	1218	8	JUN - 3 2014
Sand	1218	1290	72	
Slate	1290	1370	80	Office of Oil and Gas WV Dept. of Environmental Protection
Sand	1370	1385	15	
Slate	1385	1415	30	
Sand	1415	1475	60	1 Bailer Of Water Per Hr. At 1440
Slate	1475	1567	92	
Sand	1567	1580	13	
Slate	1580	1590	10	
Sand	1590	1660	70	Bailers 2 Bailers Of Water Per Hr. At 1620
Slate	1660	1795	35	
Sand	1795	1985	190	Hole Full Of Water At 1860
Pencil Cave	1985	1988	3	
Sandy Lime	1988	2080	92	
Black Lime	2080	2225	145	
Slate & Shells	2225	2430	205	

7246

SERIAL WELL NO. 6549

LEASE NO. 44284

MAP SQUARE 64 - 107

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Berea Shells	2430	2500	70	
Slate & Shells	2500	2525	25	Gas At 5150' Tested 2,489 M.C.F.
Gray Lime	2525	2600	75	Shut Down At 5150' Mar. 24, 1950
White Slate	2600	2850	250	At 8:45 O'clock P.M. To Test Casing.
Slate & Shells	2850	3590	740	
Gray Lime Shells	3590	3960	370	Blowed Well Off Mar. 27, 1950
Dark Shale	3960	4150	190	Started Drilling
Brown Shale	4150	4260	110	12:42 P.M. 72/10 W 7" 22# Casing
White Slate	4260	4740	480	12:43 " 90/10 " " "
Gray Shale	4740	4840	100	12:44 " 100/10 " " "
Brown Shale	4840	4994	154	12:45 " 16/10 M " " "
Black Shale	4994	5021	27	12:48 " 22/10 M " " "
Coniferous Lime	5021	5148	129	1:00 " 66/10 M " " "
Oriskany	5148	5159	11	1:30 " 95/10 M " " "
Total Depth		5159		1:35 " 100/10 M " " "
				2:00 " Blowed Mercury Out Of 200/10 Gauge.
	51			
	5159			Used Spring Gauge
	5128			10# In 7" - 22# Casing
				22,699,000 M.C.F.
	3	1		
	2	8		
		9		Rock Pressure
				8 Min. 625#
				9 " 750#
				10 " 825#
				11 " 900#
				12 " 1000#
				14 " 1100#
				15 " 1150#
				16 " 1175#
				17 " 1225#
				18 " 1250#
				19 " 1275#
				25 " 1350#
				30 " 1370
				24 Hour Rock 1445#

Received

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Office of Oil and Gas
WV Dept. of Environmental Protection

WW-4A
Revised 6-07

1) Date: 4/1/14
2) Operator's Well Number
Rockport storage well 7246
3) API Well No.: 47 - 105 - 00282

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

4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Robert D. McCumbers & Patricia A. McCumbers</u>	Name <u>not operated</u>
Address <u>153 Conoway Ln</u>	Address _____
<u>Elizabeth, WV 26143</u> ✓	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Joe Taylor</u>	(c) Coal Lessee with Declaration
Address <u>1478 Claylick Rd</u>	Name _____
<u>Ripley, WV 25271</u> <i>[Signature]</i>	Address _____
Telephone <u>304-380-7469</u>	_____

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

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

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

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

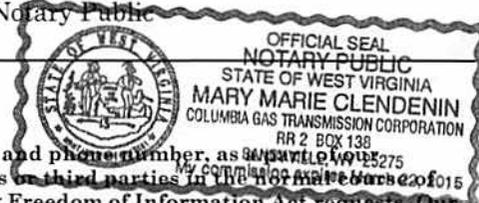
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Office of Oil and Gas
WV Dept. of Environmental Protection

Well Operator	<u>Columbia Gas Transmission, LLC</u>
By:	<u>James E. Amos</u> <i>[Signature]</i>
Its:	<u>Senior Well Services Engineer</u>
Address	<u>48 Columbia Gas Road</u>
	<u>Sandyville, WV 25275</u>
Telephone	<u>304-483-0073</u>

Subscribed and sworn before me this 2nd day of June 2014
Mary Marie Clendenin Notary Public
My Commission Expires March 22, 2015



Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as required to perform its 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.

7099 3220 0009 0604 9480

**U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)**

Article Sent To:
ELIZABETH WV 26143

Postage	\$	\$1.82	0271
Certified Fee		\$3.30	07
Return Receipt Fee (Endorsement Required)		\$2.70	JUN 02 2014
Restricted Delivery Fee (Endorsement Required)		\$0.00	Postmark Here
Total Postage & Fees	\$	\$7.82	06/02/2014

Name (Please Print Clearly) (To be completed by mailer)
Robert D. and Patricia McCumbers ✓

Street, Apt. No., or PO Box No.
153 Conway Ln.

City, State, ZIP+4
Elizabeth, WV 26143

PS Form 3800, July 1999 See Reverse for Instructions

Received

JUN - 3 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

SURFACE OWNER WAIVER

Operator's Well
Number

Rockport 7246

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.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

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

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

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

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

Received

_____	Date _____	Name _____
Signature		By _____
		Its _____
		_____ JUN - 3 2014 _____
		Date _____

Signature _____ Office of Oil and Gas Date _____
WV Dept. of Environmental Protection

WW-4B

API No.	<u>47-105-00282</u>
Farm Name	<u>Toneray, S. O.</u>
Well No.	<u>Rockport 7246</u>

**INSTRUCTIONS TO COAL OPERATORS
OWNERS AND LESSEE**

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

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

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

WAIVER

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

Date: _____

By: _____

Its _____

Received

JUN - 3 2014

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 Sandy Creek Quadrangle Rockport

Elevation 839.8 ft County Wirt District Tucker

Description of anticipated Pit Waste: fresh and/or salt water, drilling fluid, cement returns

Will a synthetic liner be used in the pit? yes 20 MIL

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number 34-105-23619, 34-167-2-9395, 34-155-2-3795)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Enviro Tank Clean (Rt 7, Belpre, OH))

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain _____)
- Swabbing
- Plugging

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 *James E. Amos* 6/2/14
Company Official (Typed Name) James E. Amos
Company Official Title Senior Well Services Engineer

Received
JUN - 3 2014

Subscribed and sworn before me this 2nd day of June, 2014
Office of Oil and Gas
WV Dept. of Environmental Protection

Mary Marie Clendenin Notary Public

My commission expires March 22, 2015



LEGEND

- Property Boundary
- Road
- Existing Fence
- Planned Fence
- Stream
- Open Ditch
- Rock
- North
- Buildings
- Water wells
- Drill site

- Diversion
- Spring
- Wet 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

Proposed Revegetation Treatment: Acres Disturbed 0.6 Prevegetation pH 5 - 6

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre
Orchard Grass		20
Ledino Clover		10
Annual Rye		20

Seed Type	Area II	lbs/acre
Orchard Grass		20
Ledino Clover		10
Annual Rye		20

Attach: Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Received

Plan Approved by:

JUN - 3 2014

Comments:

Office of Oil and Gas
WV Dept. of Environmental Protection

Title: OCG Inspector

Date: 5-28-14

Field Reviewed? Yes No

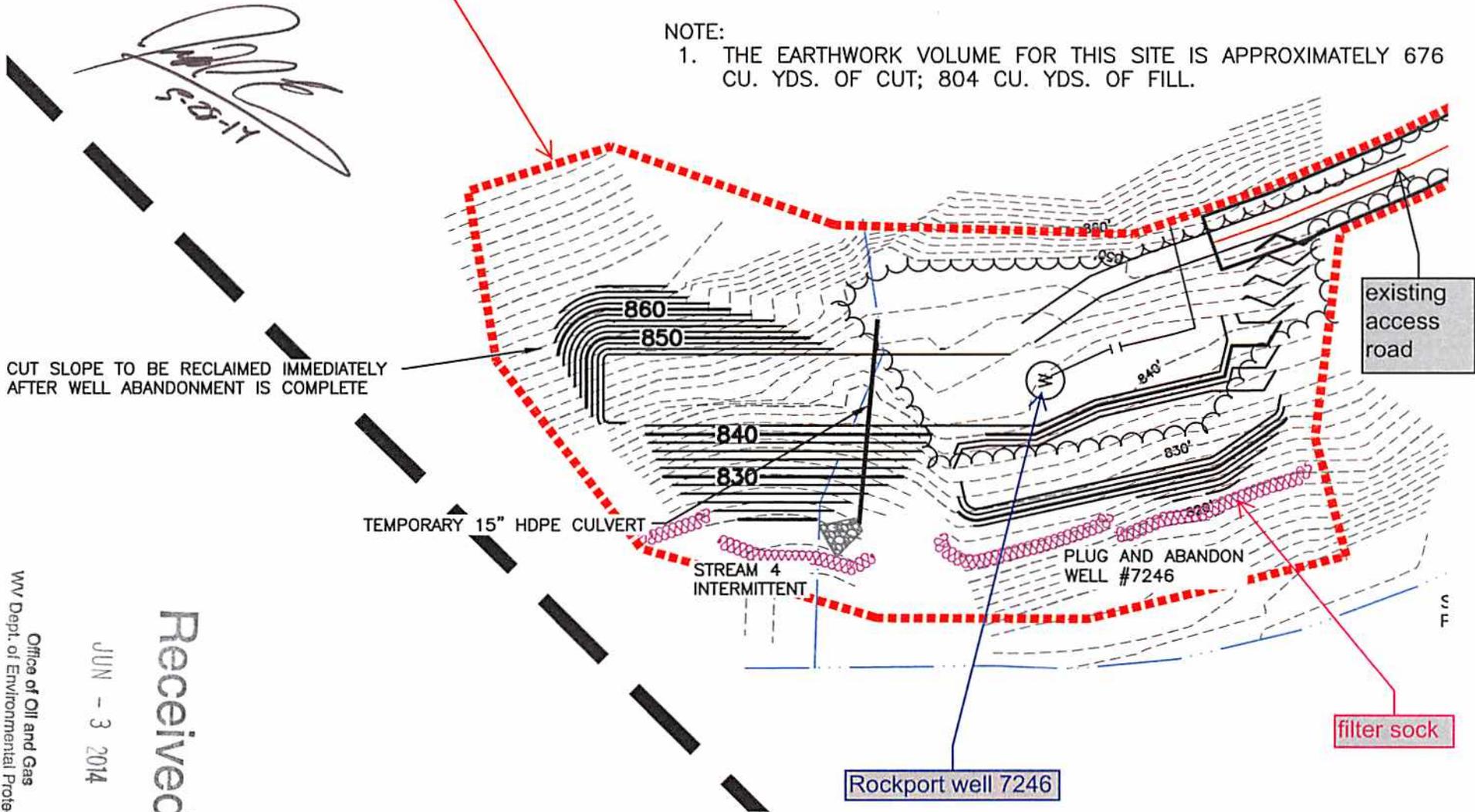
Reclamation Plan 2 of 2 (Site Detail) - Rockport 7246

- grading / fill as depicted on drawing
- BMPs to be utilized per DEP

perimeter of proposed disturbance

NOTE:

1. THE EARTHWORK VOLUME FOR THIS SITE IS APPROXIMATELY 676 CU. YDS. OF CUT; 804 CU. YDS. OF FILL.



CUT SLOPE TO BE RECLAIMED IMMEDIATELY AFTER WELL ABANDONMENT IS COMPLETE

TEMPORARY 15" HDPE CULVERT

STREAM 4 INTERMITTENT

PLUG AND ABANDON WELL #7246

existing access road

filter sock

Rockport well 7246

Received

JUN - 3 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

10500282P



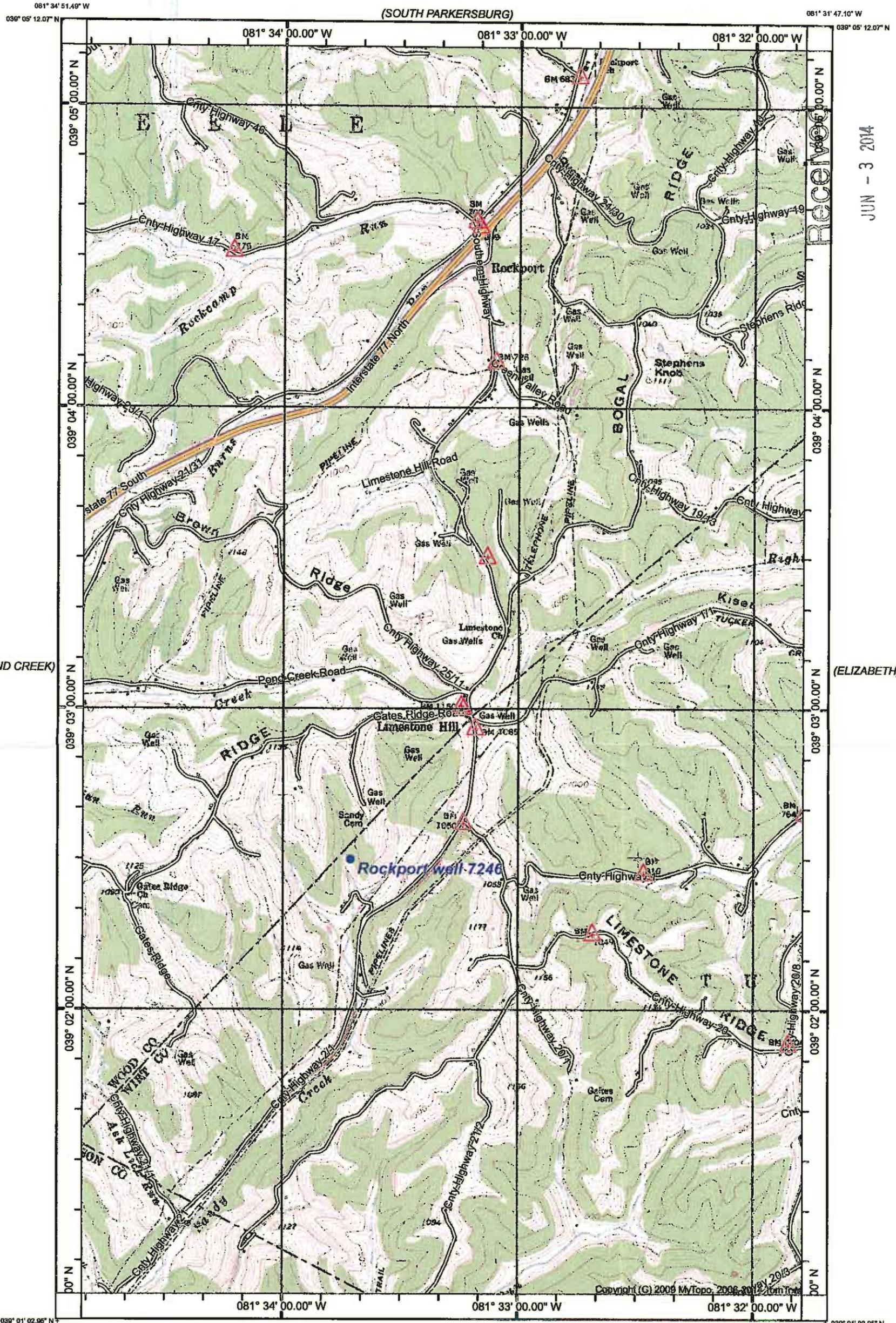
10 500 282 P

(LUBECK)



ROCKPORT QUADRANGLE
WEST VIRGINIA
TOPOGRAPHIC SERIES

(KANAWHA)



Received

JUN - 3 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

(POND CREEK)

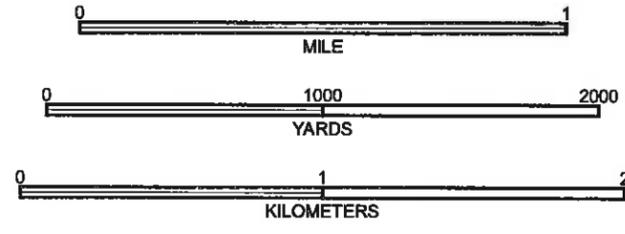
(ELIZABETH)

(SANDYVILLE)

(REEDY)



(LIVERPOOL)
SCALE 1:24000



ROCKPORT, WV
1960

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

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM 1929

Printed: Wed Feb 26, 2014

Copyright (C) 2008 MyTopo, 2006-2012 TomTom

105002829

(LUBECK)



ROCKPORT QUADRANGLE
WEST VIRGINIA
TOPOGRAPHIC SERIES

(KANAWHA)

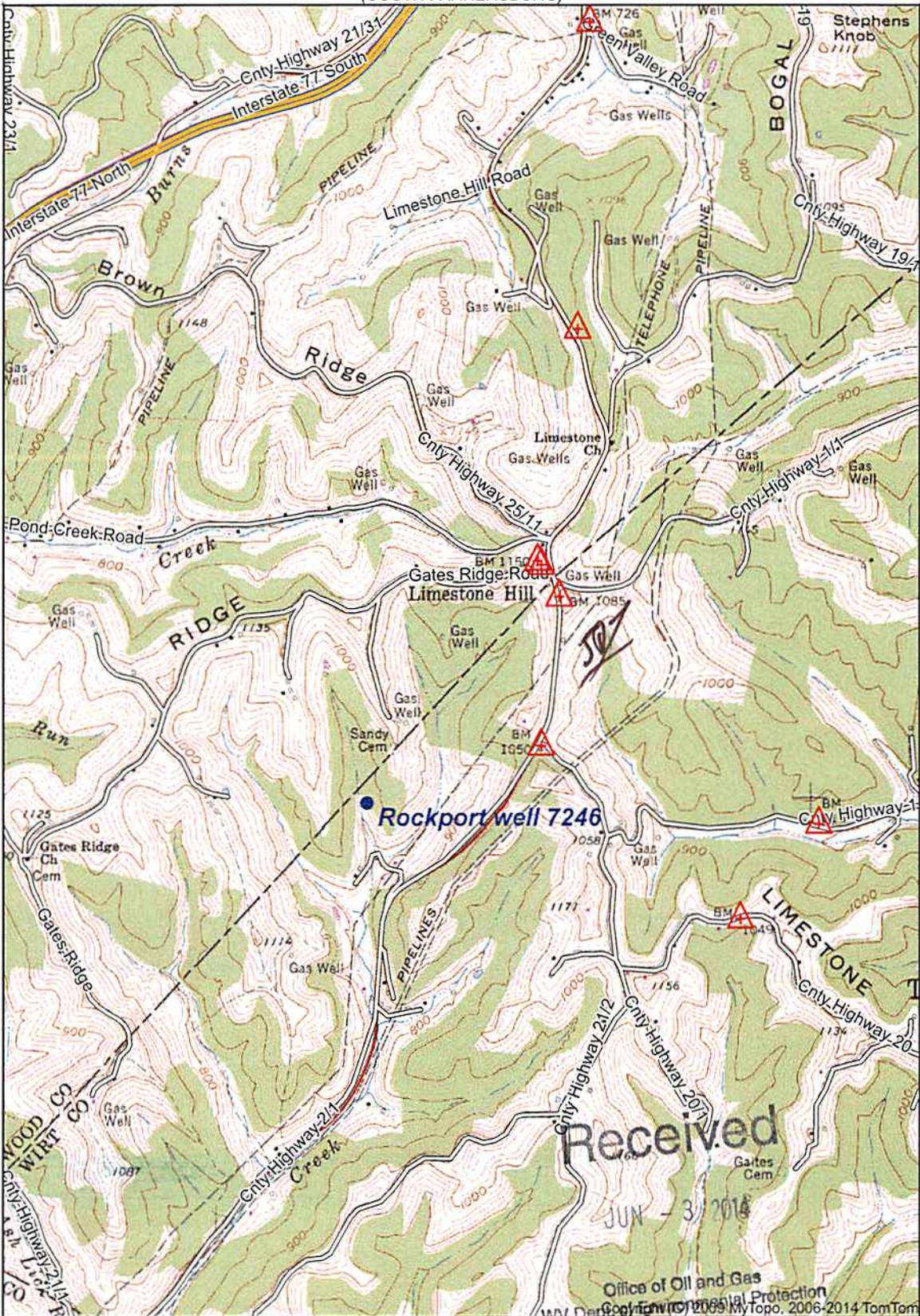
081° 34' 43.51" W
039° 04' 11.42" N

(SOUTH PARKERSBURG)

081° 32' 11.21" W
039° 04' 11.42" N

(POND CREEK)

(ELIZABETH)



039° 01' 23.85" N
081° 34' 43.51" W

(LIVERPOOL)
SCALE 1:24000

039° 01' 23.85" N
081° 32' 11.21" W

(SANDYVILLE)

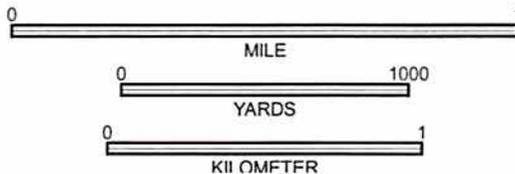
(REEDY)

Produced by MyTopo Terrain Navigator
Topography based on USGS 1:24,000
Maps

North American 1983 Datum (NAD83)
Polyconic Projection

To place on the predicted North American
1927 move the projection lines 9M N and
13M E

Declination



CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM 1929

ROCKPORT, WV
1960

105 00282 P

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-105-00282 WELL NO.: 7246

FARM NAME: Toneray, S. O.

RESPONSIBLE PARTY NAME: Columbia Gas Transmission, LLC

COUNTY: Wirt DISTRICT: Tucker

QUADRANGLE: Rockport

SURFACE OWNER: Robert D. McCumbers & Patricia A. McCumbers

ROYALTY OWNER: S. O. Toneray, et al (storage lease)

UTM GPS NORTHING: 4321552.12 m

UTM GPS EASTING: 451378.73 m GPS ELEVATION: 256.0 m (840')

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS : Post Processed Differential

Real-Time Differential

Mapping Grade GPS : Post Processed Differential

Real-Time Differential

Received

JUN - 3 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

Jam E Ann
Signature

Senior Engineer
Title

6/2/14
Date