



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: 47-10700306, 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: 7245
Farm Name: WADE, CARL E. & DIANNE L.
API Well Number: 47-10700306
Permit Type: Plugging
Date Issued: 08/11/2014

Promoting a healthy environment.

08/15/2014

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

1) Date 4/1, 2014
2) Operator's
Well No. Rockport 7245
3) API Well No. 47-107 - 00306

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 1074.7 Watershed Tygart Creek
District Steele County Wood 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 Jamie Stevens
Address 105 Kentuck Road
Kenna, WV 25248
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 the proposed work can commence.

Work order approved by inspector Jamie Stevens Date 5/29/2014

08/15/2014

Rockport - 07245

2014 Well Work

DETAILED P&A PROCEDURE FOR STATE PERMIT APPLICATION

47-107-00306P

ROCKPORT 7245

Objective: P&A well and abandon portion of line.

Well Info

Drilled in 1950
Reconditioned in 1953 and 2000

API 5M wellhead installed in 2000

13-3/8" 48# csg set @ 1065' (no record of cement)
10-3/4" 40# csg set @ 1529' (no record of cement)
8-5/8" 28# csg set @ 2531' (no record of cement)
7" 23# csg set @ 5334' (95 sx cement poured down annulus)
4.5" 10.81# 0.237" wall (4.026" ID) Gr B (35,000 yield strength) line pipe as
flowstring set @ 5389' w/ wall & anchor pkr @ 5338' based on CCL response
on log - no record of anchor but most likely one was ran to activate W&A
packer - no record of a primary type cement job - old 1953 field tickets
indicates a total of 390 bags cement "poured" between 4" and 7" to surface.

BURST CALCULATIONS:

API ----> 3226 psi
B31G ----> 4055 psi

Berea 2645 - 2715' (driller - no show)
2654 - 2656' (per 6/19/00 GR-Neut)
Onondaga 5255 - 5380' (driller)
5243 - 5368' (per 6/19/00 GR-Neut)
Oriskany 5380 - 5401' (driller)
5368 - 5389' (per 6/19/00 GR-Neut)
TD 5401 ft (driller)

Top AOF 36 MMCFD in 1950

Partially frac'd in 2000 thru coil tubing - lost pump and only put away 7000 lbs sand

MFL ran in 2000 - no metal loss greater than Class 1 (20%)
SBT ran in 2000 - good cement from TLI (4290 ft) to BLI in bottom of
Onondaga - decent 25 ft interval of cement in middle of Onondaga

Procedure

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

***** OBTAIN DIRECTIONAL WELLBORE SURVEY TO DETERMINE BOTTOM-HOLE LOCATION - BOTTOM-HOLE LOCATION MAY BE A
FUTURE NEW DRILL TARGET *****

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. NU BOPs. Clean to TD if top of Oriskany not
uncovered. TIH open-ended and spot bottom cement plug from 5000' 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 2800 ft. TOOH. ND BOPs.

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Office of Oil and Gas
WV Dept. of Environmental Protection

Handwritten signature and date: 5/29/2014

Rockport - 07245 2014 Well Work

MI wireline unit. Run guage ring and set cast iron DBP above cement plug. RDMO wireline unit. Pressure test BP - no more than 2800 psig on flowstring at depth of BP.

Dress top of 13-3/8" csg and attempt to pull. Dress top of 10-3/4" csg and attempt to pull. Dress top of 8-5/8" csg and attempt to pull.

Perforate 4-1/2" thru 7" csgs at ~2680' (below Berea) and attempt to circulate. If circulation established, cement to surface. If able to establish injection rate, then squeeze cement. If no rate established, spot cement plug inside 4-1/2" csg from 2700 - 2400 ft to cover squeeze perfs. Spot 6% gel from top of cement plug to depth of cement top behind 4-1/2" csg.

Free pt. cut, and pull all 4-1/2", 7", 8-5/8", 10-3/4", and 13-3/8" csg free or that you can get to. Spot balance cement plugs to surface from either 50' below 4-1/2" csg stub to surface, or 300', whichever is deeper.

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 INDICATES THAT THERE IS INSUFFICIENT BOND AROUND 4 1/2" CASING AT TD AND ABOVE, THEN 4 1/2" MUST BE PERFORATED AND SQUEEZED TO A POINT 400' ABOVE THE ORISKANY. (MAY HAVE TO PERFORATE 4 1/2" ± 7")

NOTIFY STATE INSPECTOR AFTER RUNNING CBL, BEFORE SETTING BOTTOM HOLE PLUG.

SET A 300' CLASS A PLUG ACROSS ELEVATION OF 1075'

→ PERFO

WELL BORE MUST BE FILLED WITH GEL BETWEEN ALL PUGS. GEL MUST BE FRESH WATER WITH A MINIMUM OF 6% BENTONITE, BY WEIGHT, AND NO OTHER ADDITIVES.

→ PERFO

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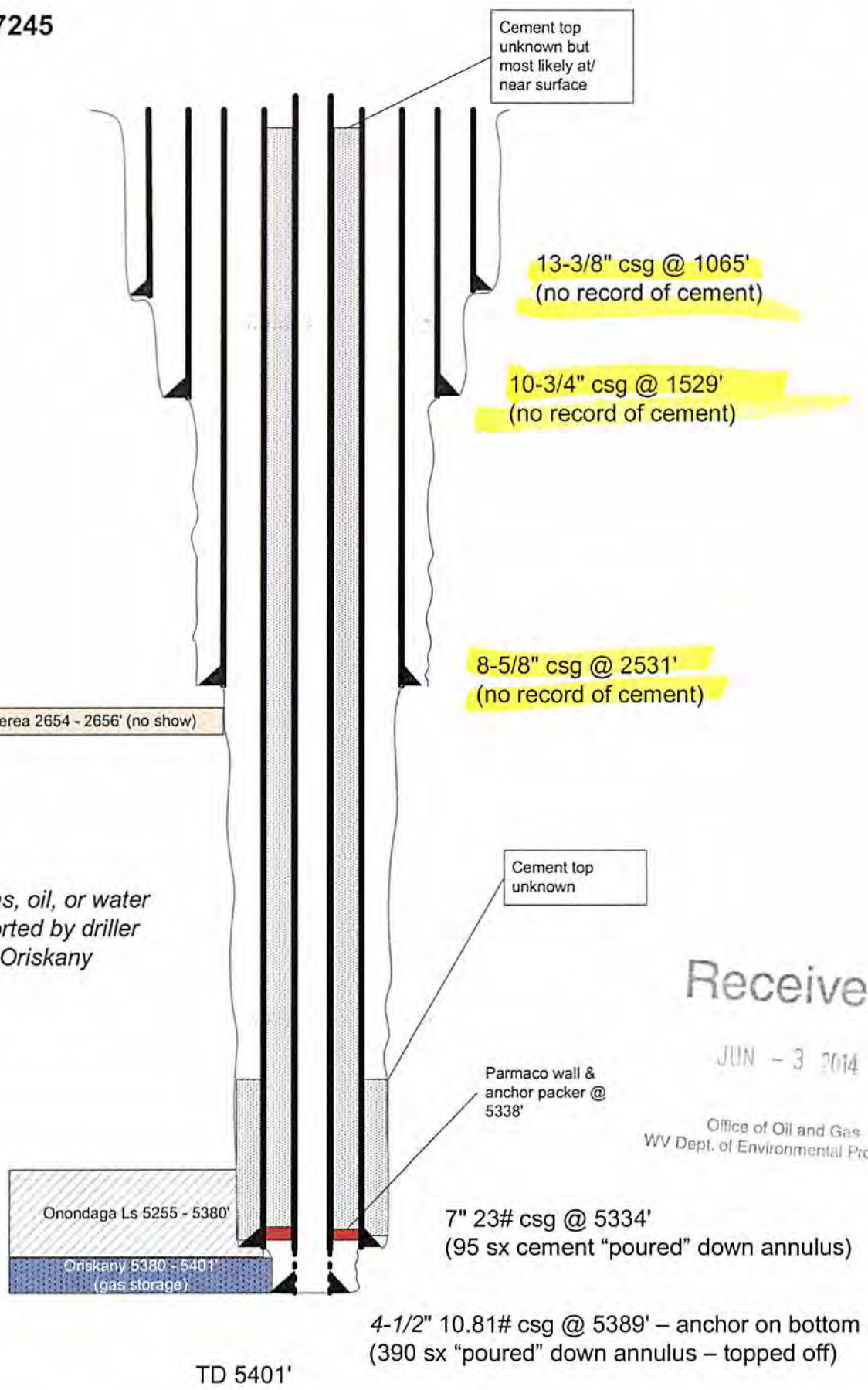
Office of Oil and Gas
WV Dept. of Environmental Protection

J.P.
5/29/2014

107 003061

ROCKPORT 7245

5/6/13



Cement top unknown but most likely at/near surface

13-3/8" csg @ 1065'
(no record of cement)

10-3/4" csg @ 1529'
(no record of cement)

8-5/8" csg @ 2531'
(no record of cement)

Berea 2654 - 2656' (no show)

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

Cement top unknown

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Office of Oil and Gas
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Parmaco wall & anchor packer @ 5338'

Onondaga Ls 5255 - 5380'
Oriskany 5380 - 5401'
(gas storage)

7" 23# csg @ 5334'
(95 sx cement "poured" down annulus)

4-1/2" 10.81# csg @ 5389' - anchor on bottom
(390 sx "poured" down annulus - topped off)

TD 5401'

Janie Stevens
5/29/2014 08/15/2014

10700306P

42107-00306-P

WORK ORDER

REQUEST NO. 3890
DATE July 23, 19 53

11-5135-53

BUDGET NO. 864 WORK ORDER NO. 4686
DATE ISSUED 8-7 19 53

COMPANY United Fuel Gas Company
PROPOSED WORK Recondition Well X-58-7245 (Well 6465) and Install Heavier Equipment.

KNOWN AS Well X-58-7245-Additions.
PURPOSE AND NECESSITY To Clean Out Well and Install Heavier Equipment, due to well being converted into Storage Well in Pool X-58

LOCATION: Well X-58-7245 (6465) O.H. Blair
IN Steel Rural Wood West Virginia

RELATED PROJECT WORK ORDER NO. FOR Well 6465 Removal.
APPROVED BY John C. Martin APPROVED BY H. C. Mefford, Jr.

DETAIL OF EXPENDITURES

MATERIAL TO BE INSTALLED	UNBID PRICE	SIZE	ESTIMATE		ACTUAL		VARIATION
			QUANTITY	AMOUNT	QUANTITY	AMOUNT	
Steel Tubing 12.60#	.976	4"	5401	5,293.00	5436	5,658.87	365.87
Wall & Anchor Packer		4"x7"	1	225.00	1	178.68	(46.32)
Welded Tee Assembly		4"x4"x4"	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 Comp.		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"x1 1/2"	2	30.00	2	25.33	(4.17)
Fittings		4"		25.00		43.68	18.68
Centralizers	28.00	4"x7"	12	336.00	13	315.38	(20.62)
Flanges W/N		4"		-	8	217.89	217.89
TOTAL MATERIAL				6,989.00		7,341.90	352.90
INSTALLATION OR CONTRACTOR COST							
Direct Labor				1,700.00		1,366.78	(333.22)
Use of Auto and Hauling				1,400.00		1,596.79	196.79
Tools, Supplies and Misc. Expense				200.00		143.13	(56.87)
Stores Expense and Freight				706.00		795.13	89.13
Hauling Erecting & Dismantling Spudder				450.00		-	(450.00)
Fuel				25.00		38.00	13.00
Cement & Services				1,800.00		1,728.93	(71.07)
Consideration for Right of Way				-		34.00	34.00
Labor Benefits Overheads				313.00		254.71	(58.29)
Administrative Overheads				70.00		68.77	(1.23)
Interest				-		159.80	159.80
TOTAL INSTALLATION OR CONTRACTOR COST				6,664.00		6,186.04	(477.96)
TOTAL ESTIMATE				13,653.00		13,527.94	(125.06)

INDICATE NORTH SKETCH (CORRECT TO ACTUAL) INVENTORY MAP NO. F-P-66/107 Map Squares 66-107

Note: Move in Bucyrus Erie Spudder & String of Cleaning Out Tools
Full 2" Tubing, Clean Out Well, Run a String of 4" Tubing on a Wall
and Anchor Packer, Cement between 4" & 7" Casing 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

08/15/2014

27
217
12

2-864-4686

MAPPED BY MAP NO. QUANTITY MAPPED DATE 19

HC-107-00.306-110700206P

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
5436'	4-1/2"	Tubing New Sm'l. Gr. B. .237" Wall 10.81#			
1	4"	Valve Gate Steel Flg. Orbit 3000# WOG			
1	4"	Valve Plug Nord Flg. 2349 2000# WOG			
1	4-1/2" X 7"	Packer Wall & Anchor			
13	4-1/2" X 7"	Centralizers Casing			
1	4"	Tee Welding Standard			
1	4"	Plug Bull XX S			
1	1/2"	Valve Needle Steel Screw			
8	4"	Flanges W/N Drl. FS Ser. 90			
6	4"	Gaskets Oval Steel Ring			
1'	4"	Pipe P.E. 10.79#			
1	4-1/2"	Clamp Anchor			
2	1-1/2" X 18"	Turn Buckles			
2	1-1/4" X 2 1/2"	Bolts Hair Pin			
48	1-1/8" X 7"	Bolts Steel Regular			
200		Sacks Cement			
390'		Sacks Cement Well Quick Drying			
7		Sacks Aquagel			
20#		Thread Tube			
3		Yards Ready Mix Cu.			

MATERIAL TRANSFER NUMBERS: April, 1953. # 172-183-May-N-16-218-June-62-129-130-246-300-July-N-23-29-August-15.

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 _____ THICKNESS _____ HEIGHT ABOVE GROUND _____ DEPTH BELOW GROUND _____ FLOOR: KIND _____ THICKNESS _____ WALL: KIND _____ THICKNESS _____ ROOF: TYPE _____ KIND _____ DOORS: NO. _____ SIZE _____ KIND _____ WINDOWS: NO. _____ SIZE _____ KIND _____ PAINTING _____ MISCELLANEOUS _____
--	--

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JUN 3 2014

08/15/2014

Office of Oil and Gas
 WV Dept. of Environmental Protection

REASON FOR OVERRUN - UNDERRUN: _____

DATE WORK STARTED April 16, 19 53 DATE WORK COMPLETED July 30, 19 53
 COMPILED BY Donald D Rucker DATE 10/13/ 19 53 APPROVED BY John C. [Signature] DATE 10-16 19 53

10700306P

Rockport 7245
 SERIAL WELL NO. 6465

COMPANY _____
 LEASE NO. 46161

MAP SQUARE 66-107

RECORD OF WELL NO. <u>6465</u> on the	CASING AND TUBING				TEST BEFORE SHOT
	SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	/10 of Water in _____ inch
<u>O. H. Blair</u> farm of <u>48</u> Acres			<u>1166'5"</u>	<u>1064'11"</u>	<u>36/10</u> of Merc. in <u>7" 22'</u> inch
in <u>Steel</u> District	<u>12-3/8"</u>		<u>1587'1"</u>	<u>1529'</u>	Volume <u>9,549,000</u> Cu. ft.
<u>Wood</u> County	<u>10-3/8"</u>		<u>3042'7"</u>	<u>2532'</u>	
State of: <u>West Virginia</u>	<u>8-5/8"</u>		<u>5468'6"</u>	<u>5334'12"</u>	TEST AFTER SHOT
Field: <u>Clendenin-Sissonville</u>	<u>7" O.D.</u>	<u>22'</u>	<u>5548'1"</u>	<u>5450'10"</u>	/10 of Water in _____ inch
Rig Commenced <u>194</u>	<u>2"</u>	<u>Tubing</u>			/10 of Merc. in _____ inch
Rig Completed <u>194</u>					Volume _____ Cu. ft.
Drilling Commenced <u>2/27-1950</u> <u>194</u>					<u>40</u> Hours 200
Drilling Completed <u>7/6-1950</u> <u>194</u>					Rock Pressure <u>3100</u>
Drilling to cost _____ per foot					Date Shot _____
Contractor is: <u>Mays Drilling Co.</u>					Size of Torpedo _____
Address: <u>Kenna W. Va.</u>					Oil Flowed _____ bbls. 1st 24 hrs.
					Oil Pumped _____ bbls. 1st 24 hrs.
Driller's Name <u>R. M. Cottrell</u>					
<u>O. E. Casto</u>					
					Well abandoned and
					Plugged _____ 194
Elevation: <u>1677'</u>					

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Soil & Clay	0	35	35	
Lime	35	41	6	
Blue Mud	41	98	57	
Red Rock	98	102	4	
Blue Slate	102	122	2	
Red Rock	122	130	8	
Slate	130	140	10	
Red Rock	140	265	125	
Lime	265	270	5	
Red Rock	270	418	148	
Lime Shale	418	425	7	
Blue Slate	425	443	18	
Red Rock	443	536	93	
Lime Shale	536	548	12	
Red Rock	548	592	44	
Lime Shale	592	597	5	
Red Rock	597	640	43	

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JUN - 3 1954

Office of Oil and Gas
 WV Dept. of Environmental Protection

[Signature]
 5/29/2014 08/15/2014

7245

SERIAL WELL NO. 6465

LEASE NO. 46161

MAP SQUARE 66-107

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Slate	640	655	15	
Red Rock	655	721	66	
Lime Shale	721	729	8	
Red Rock	729	765	36	
Broken Lime	765	788	23	
Red Rock	788	792	4	
Lime	792	830	38	
Red Rock	830	850	20	
Lime	850	900	50	
Red Rock	900	925	25	
Blue Lime	925	960	35	
Slate	960	1015	55	
Sandy Lime	1015	1025	10	
Slate	1025	1035	10	
Sand	1035	1045	10	
Slate	1045	1066	21	
Lime	1066	1069	3	
Slate	1069	1083	14	
Sand	1083	1113	30	
Slate	1113	1119	6	
Red Rock	1119	1223	104	
Lime	1223	1241	18	
Red Rock	1241	1254	13	
Lime	1254	1262	8	
Slate	1262	1284	22	
Red Rock	1284	1309	25	
Lime	1309	1316	7	
Slate	1316	1334	18	
Red Rock	1334	1359	25	
Lime	1359	1406	47	
Slate	1406	1443	34	
Lime	1443	1456	13	
Sand	1456	1530	74	
Slate	1530	1578	48	
Sand	1578	1616	38	
Slate	1616	1640	24	
Lime	1640	1650	10	

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Office of Oil and Gas
WV Dept. of Environmental Protection

5/29/2014

7245

SERIAL WELL NO. 6165

LEASE NO. 46161

MAP SQUARE 66-197

DRILLER'S RECORD

FORMATION	TOP	BOTTOM	THICKNESS	REMARKS
Sand	1650	1692	42	
Slate	1692	1715	23	
Sand	1715	1732	17	
Coal	1732	1735	3	
Slate	1735	1742	7	
Sand	1742	1775	33	
Slate	1775	1808	33	
Lime	1808	1835	27	
Sand	1835	1870	35	
Slate	1870	1881	11	
Lime	1881	1900	19	Open Flow July 6, 1950.
Slate	1900	1960	60	1-15, 100' 2-180 3-275 4-370
Lime	1960	2004	44	5-450 6-500 7-540 8-570 9-600
Slate Sand	2004	2178	174	10-625 20-800 30-825 40-830
Slate Brake	2178	2182	4	50-830 1-Hr. 830' 12-Hrs. Back 840'
Sandy Lime	2182	2195	13	
White Sand	2195	2296	101	
Gray Sand	2296	2305	9	
Black Lime	2305	2317	12	
Big Lime	2317	2359	42	
Slate	2359	2362	4	
Lime	2362	2440	78	
Slate & Shells	2440	2645	205	
Berea	2645	2715	70	
Slate & Shells	2715	4170	1455	
Gray Shale	4170	4387	217	
Brown Shale	4387	4483	96	
White Slate	4483	4964	481	
Lite Brown Shale	4964	5058	94	
Dark Brown Shale	5058	5184	126	
Black Shale	5184	5229	45	
Black Lime	5229	5255	26	
Corniferous	5255	5380	125	
Oriskany	5380	5401	21	

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Office of Oil and Gas
WV Dept. of Environmental Protection

5/29/2014

36/10 W 4 1/2 7" 32" 9.517.000
From 5380' to 5390'

08/15/2014

WW-4A
Revised 6-07

1) Date: 4/1/14
2) Operator's Well Number
Rockport storage well 7245
3) API Well No.: 47 - 107 - 00306

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>Carl E. Wade & Dianne L. Wade</u>	Name <u>not operated</u>
Address <u>9784 State Creek Road</u>	Address _____
<u>Rockport, WV 26169</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name _____
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Jamie Stevens</u>	(c) Coal Lessee with Declaration
Address <u>105 Kentuck Rd</u>	Name _____
<u>Kenna, WV 25248</u>	Address _____
Telephone <u>304-206-7775</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.

Received

JUN - 3 2014

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>James E. Amos</i> 6/2/14
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 a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

08/15/2014

7099 3220 0009 0804 9473

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

Article Sent To:
ROCKPORT WV 26169

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

Name (Please Print Clearly) (To be completed by mailer)
 Carl E. and Dianne L. Wade ✓
 Street, Apt. No.; or PO Box No.
 9784 Slate Creek Rd.
 City, State, ZIP+4
 Rockport, WV 26169
 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 7245

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	JUN - 3 2014
		Its	Date



Signature Office of Oil and Gas 08/15/2014
WV Dept. of Environmental Protection

WW-4B

API No.	<u>47-107-00306</u>
Farm Name	<u>Blair, O. H.</u>
Well No.	<u>Rockport 7245</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

Office of Oil and Gas
WV Dept. of Environmental Protection

08/15/2014

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 Tygart Creek Quadrangle Rockport

Elevation 1074.7 ft County Wood District Steele

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



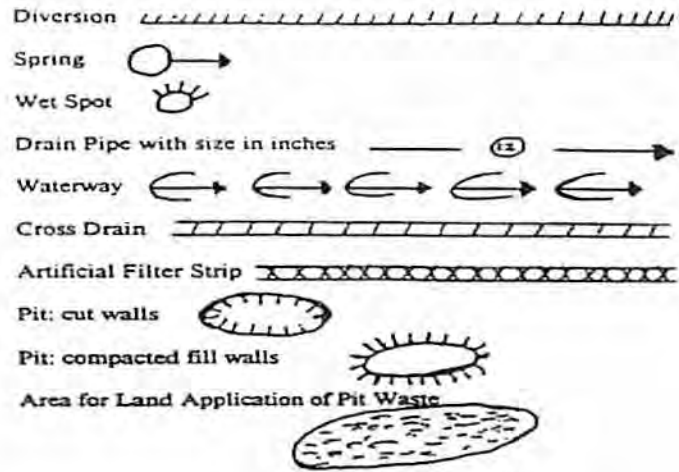
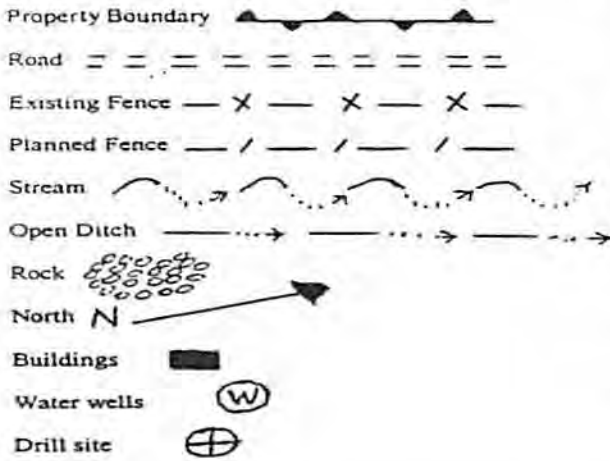
47 107-00306-P

10700306P

Form WW-9

Operator's Well No. Rockport 7245

LEGEND



Proposed Revegetation Treatment: Acres Disturbed 0.9 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	Seed Type	Area II	lbs/acre
Orchard Grass		20	Orchard Grass		20
Ledino Clover		10	Ledino Clover		10
Annual Rye		20	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

MAY - 3 2014

Plan Approved by: _____

Jamie Stevens

Office of Oil and Gas
WV Dept. of Environmental Protection

Comments: _____

Title: _____

Date: 5/29/2014

Field Reviewed? Yes No

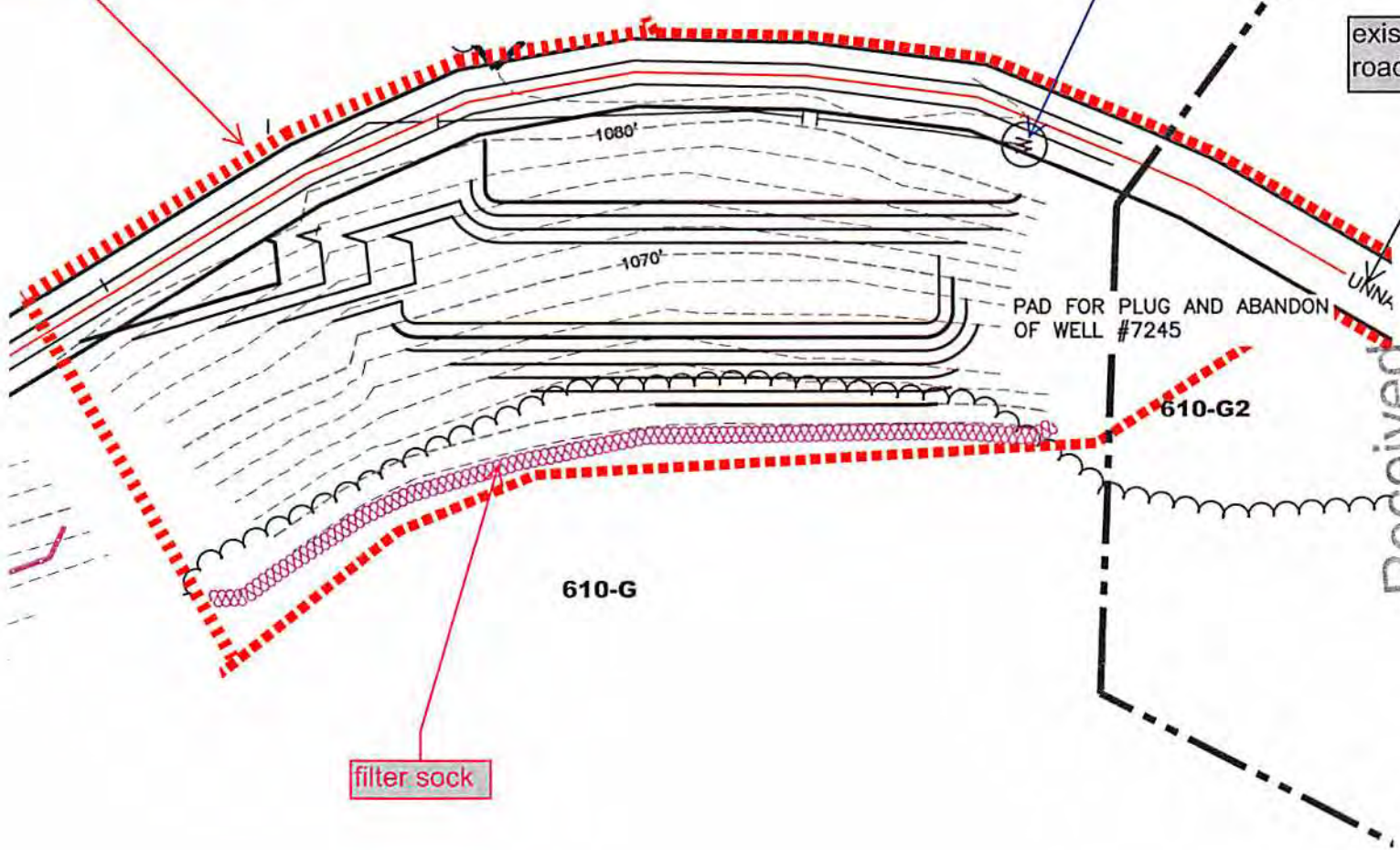
08/15/2014

10700306P

perimeter of proposed disturbance

Rockport well 7245

existing access road



filter sock

PAD FOR PLUG AND ABANDON OF WELL #7245

610-G2

610-G

Received

JUN - 3 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

Jamie Stevens
5/29/2014

Reclamation Plan 2 of 2 (Site Detail) - Rockport 7245

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



Rockport well 7245 site

existing lease road utilized church parking lot per agreement

Reclamation Plan 1 of 2 (overview) - Rockport 7245
 © 2014 * refer to civil engineering drawings for details of proposed earth disturbance

earth

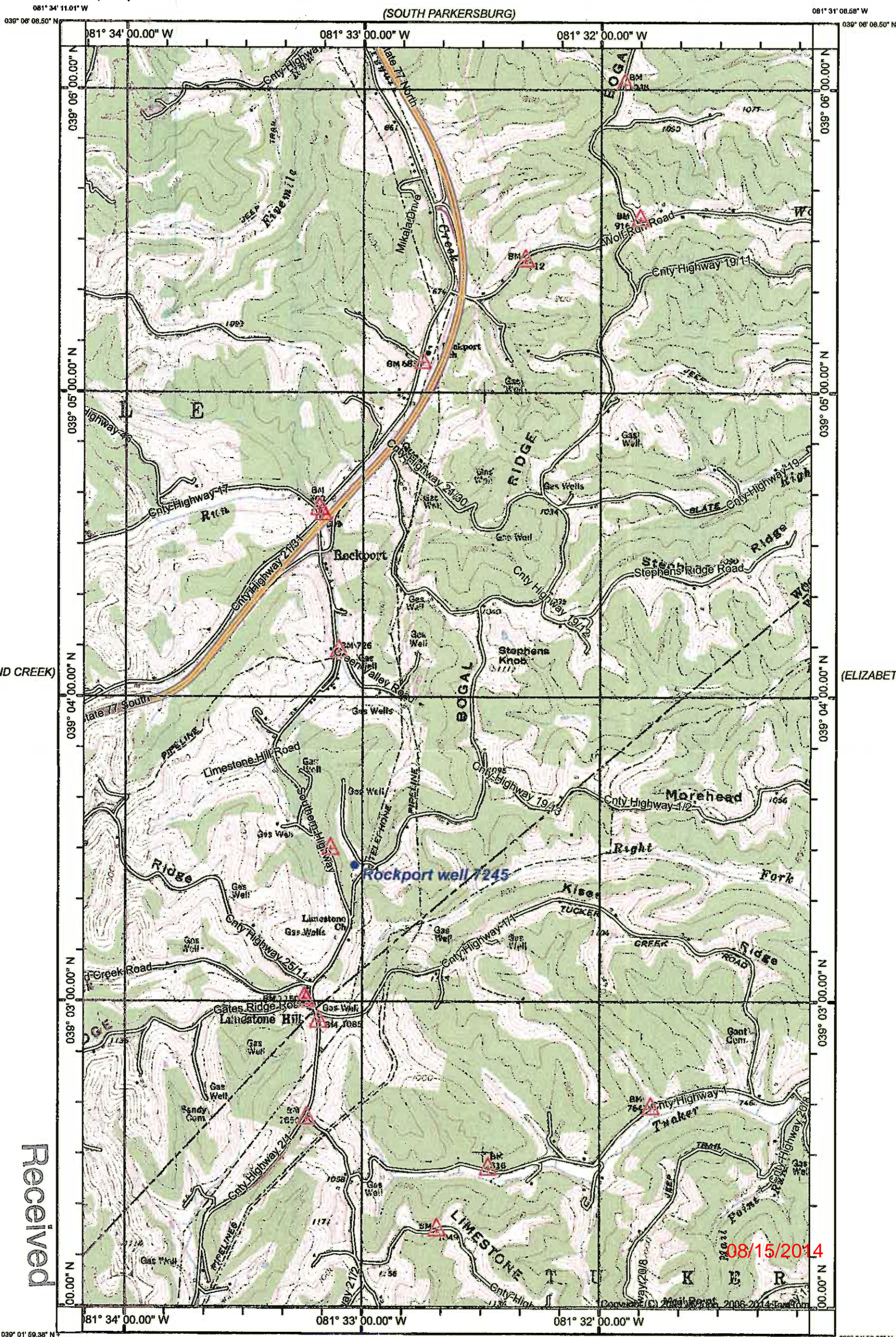
190500201

(LUBECK)



ROCKPORT QUADRANGLE
WEST VIRGINIA
TOPOGRAPHIC SERIES

(KANAWHA)



(POND CREEK)

(ELIZABETH)

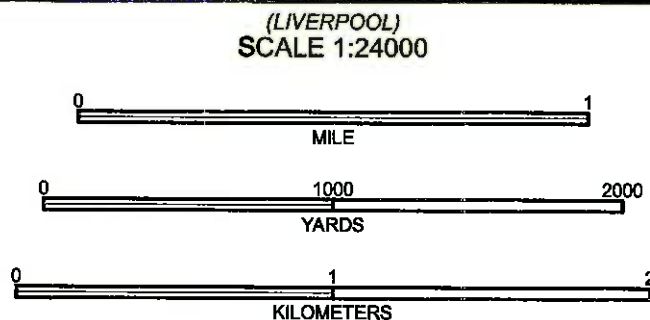
Received

JUN - 3 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

(SANDYVILLE)

(REEDY)



CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM 1929

ROCKPORT, WV
1960

Janice
5/29/2014
47-107-00306-F

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

Printed: Wed Feb 26, 2014

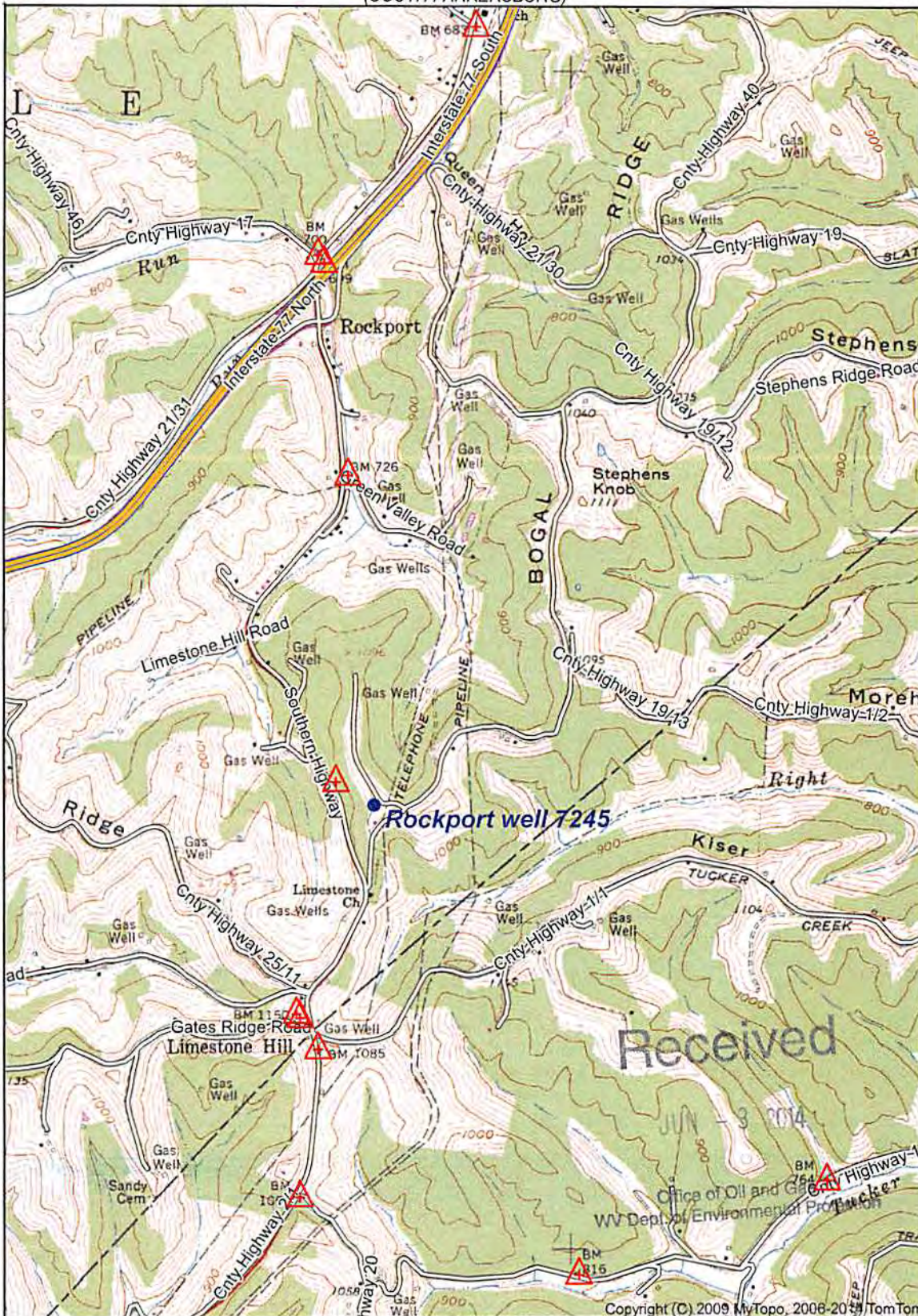
081° 31' 08.58" W

107003064

081° 34' 03.20" W
039° 05' 08.84" N

081° 31' 30.86" W
039° 05' 08.84" N

(SOUTH PARKERSBURG)



(POND CREEK)

(ELIZABETH)

039° 02' 21.27" N
081° 34' 03.20" W

081° 31' 30.86" W
039° 02' 21.27" N

(LIVERPOOL)
SCALE 1:24000

(SANDYVILLE)

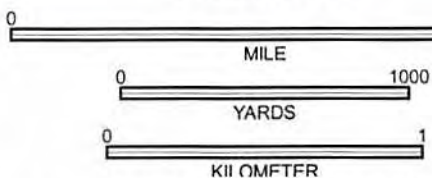
(REEDY)

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

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JUN - 3 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

Copyright (C) 2009 MyTopo, 2006-2014 TomTom
Printed: Wed Feb 26, 2014

API
47107-003064
ROCKPORT, WV
1960
08/15/2014

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-107-00306 WELL NO.: 7245

FARM NAME: Blair, O. H.

RESPONSIBLE PARTY NAME: Columbia Gas Transmission, LLC

COUNTY: Wood DISTRICT: Steele

QUADRANGLE: Rockport

SURFACE OWNER: Carl E. Wade & Dianne L. Wade

ROYALTY OWNER: O. H. Blair (storage lease)

UTM GPS NORTHING: 4323299.03 m

UTM GPS EASTING: 452376.07 m GPS ELEVATION: 327.6 m

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:

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

Survey grade GPS : Post Processed Differential

Real-Time Differential

Mapping Grade GPS : Post Processed Differential

Real-Time Differential

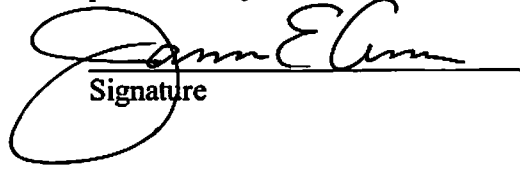
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JUN - 3 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

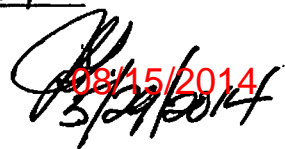
- Letter size copy of the topography map showing the well location.

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.


Signature

Senior Engineer
Title

6/2/14
Date


08/15/2014