



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 07, 2014

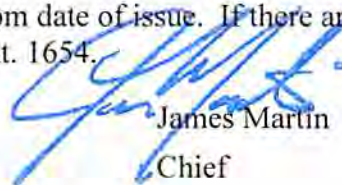
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-10700321, 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: 7251
Farm Name: COX, SANDRA J.
API Well Number: 47-10700321
Permit Type: Plugging
Date Issued: 08/07/2014

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 7251
3) API Well No. 47-107 - 00321

47-107-00321-P

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 1012.7 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

Office of Oil and Gas
WV Dept. of Environmental Protection

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

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

08/08/2014

Rockport - 07251 2014 Well Work

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 top of Oriskany if not uncovered. TIH opened and spot bottom cement plug from 4800' 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 TOOH.

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 BP.

If State inspector requires attempts to squeeze cement across from gas shows in shales at 4045' and 5020', then perf intervals and perform squeeze cement. Cover perf intervals with cement and load wellbore from top of cement plug to 2200 ft. TOOH.

Perforate at 2000' with max charge in attempt to penetrate 8-5/8" csg. Establish circulation and cement to surface. Displace cement to depth of cement top behind 4-1/2" csg.

Free pt, cut, and pull all free 4-1/2" and 8-5/8" csg. Spot cement from top of last cement plug to surface. Grout all 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.

- ★ AFTER RUNNING CBL MAKE SURE BOND IS GOOD AT LEAST UP TO 400 FT ABOVE ORISKANY OR PERFORATE AND SQUEEZE.
NOTIFY STATE INSPECTOR AFTER RUNNING CBL,
BEFORE SETTING BOTTOM HOLE PLUG.

Received

JUN - 3 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

Janice Stevens
5/29/2014

Rockport - 07251 2014 Well Work

DETAILED P&A PROCEDURE FOR STATE PERMIT APPLICATION

ROCKPORT 7251

Objective: P&A and abandon well line

----- Well Info -----

Drilled in 1950
Reconditioned in 1953 and 2000

API 5M wellhead installed in 2000

* refer to wellbore schematic in well file
13-3/8" ran/pulled - casing seat 894'
10-3/4" ran/pulled - casing seat 1303'
8-5/8" ??# set @ 2419' (28 bags gel when ran - 29 sx cement poured down annulus)
7" 23# from 2176 to 5155' (puddle set in 15 sx cement)
4.5" 10.81# 0.237" wall (4.026" ID) Gr B (35,000 yield strength) line pipe as flowstring set @ 5263' w/ wall & anchor pkr @ 5222' 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 - 481 sx of cement "poured" down annulus in multiple trips (therefore most likely topped off at surface).
BURST CALCULATIONS:
API -----> 3226 psi
B31G -----> 4055 psi

Formation Tops

First Salt	1356 - 1446'	(water @ 1375' & 1440' - 3 bailers/hr)
Big Injun	1866 - 2223'	(water 1895 - 1986' - hole full)
slate	3971 - 4232'	(show gas @ 4045')
Brown Shale	4825 - 5133'	(show gas @ 5020')
Onondaga	5133 - 5242'	(driller)
	5130 - 5239'	(per 6/28/00 GR-Neut)
Oriskany	5242 - 5253'	(driller)
	5239 - 5250'	(per 6/28/00 GR-Neut)
TD	5263'	(driller)

Top AOF 26.2 MMCFD in 1997
Most current measured AOF 20.1 MMCFD in 2004

Never stimulated

MFL ran in 2004 - all Class 1 except a 35% gen OD penetration @ 6 ft
CBL ran in 2000 - very poor cement bond deep

** Suspect cement integrity issue

----- Procedure -----

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

***** OBTAIN DIRECTIONAL WELLBORE SURVEY TO DETERMINE BOTTOM-HOLE LOCATION - NEW DRILL 12590 WILL BE TARGETING 7251 BOTTOM-HOLE LOCATION *****

Disconnect well line. Prep road and well site.

Received

JUN - 3 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

Wednesday, February 26, 2014

Jamie Stevens
5/29/2014

08/08/2014

ROCKPORT 7251

5/7/13

Cement top likely at surface based on decision to cut and extend 4-1/2" flowstring during wellhead installation in 2000

water @ 1375' & 1440' in First Salt

water 1895 - 1986' in Big Injun - hole full

13-3/8" csg ran/pulled (casing seat 894')

10-3/4" csg ran/pulled (casing seat 1303')

Cement top unknown

8-5/8" csg @ 2419' (28 bags gel - 29 sx "poured" down annulus)

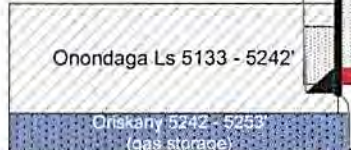
Bottom of cement unknown

show gas @ 4045' in slate shell

show gas @ 5020' in Brown Shale

Cement top unknown

Parmaco wall & anchor packer @ 5222'



7" 23# csg from 2176 to 5155' (puddle set in 15 sx cement)

Received

JUN - 3 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

TD 5263'

4-1/2" 10.81# csg @ 5263' - anchor on bottom (481 sx "poured" down annulus - probably topped off at surface)

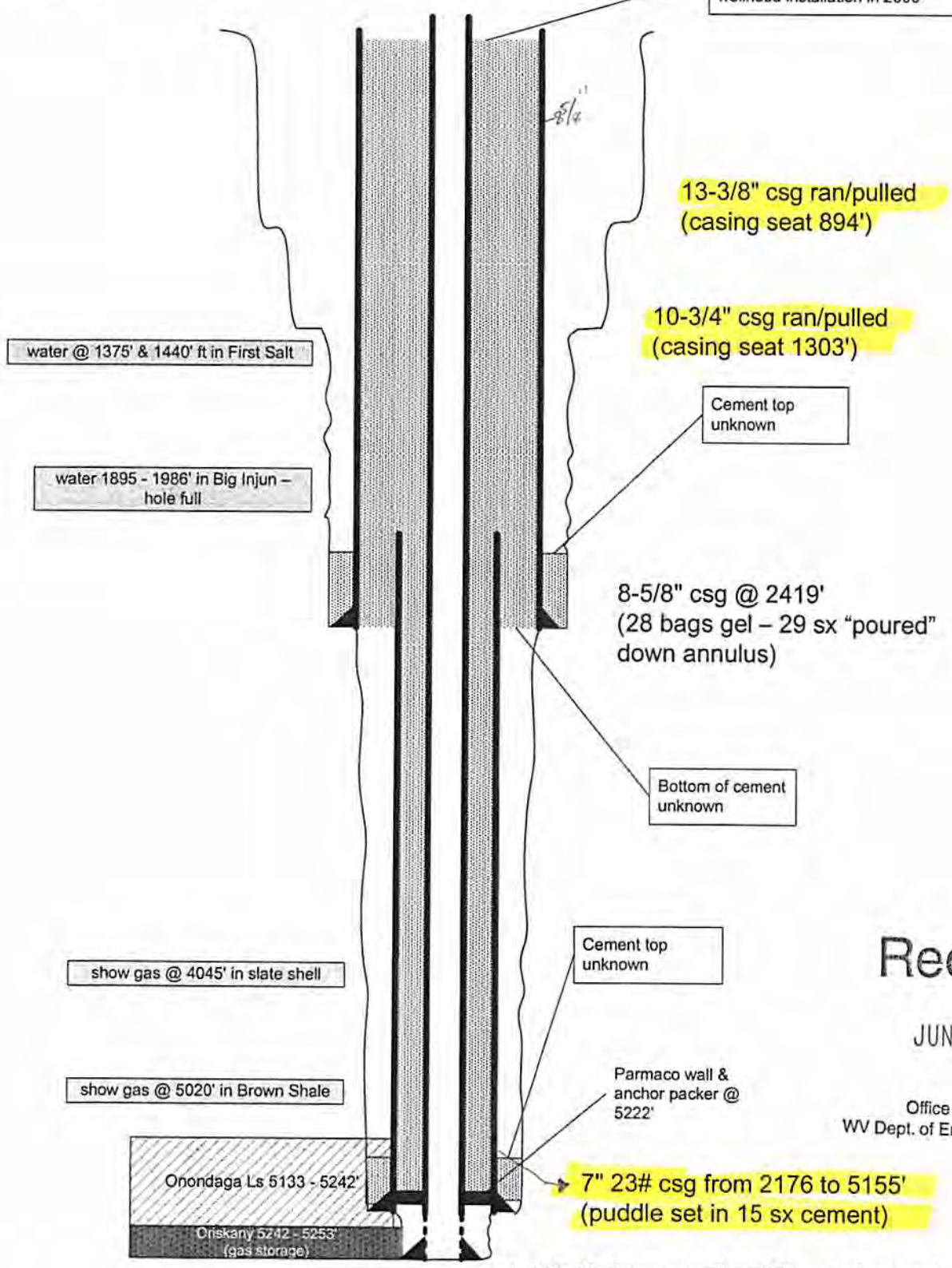
Janie Stevens
5/29/2014

08/08/2014

ROCKPORT 7251

5/7/13

Cement top likely at surface based on decision to cut and extend 4-1/2" flowstring during wellhead installation in 2000



Received

JUN - 3 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

Amie Stevens
5/29/2014

08/08/2014

44-107-00321-P

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
WELL RECORD

Permit No. Noo-321
Belleville Quad
Company
Address
Farm
Well No.
District
Commenced
Completed
Volume
Rock Pressure
Salt Water

Hope Natural Gas Co.
446 West Main St., Clarkeburg, W. Va.
Frank Gilmore, acres 171
9443 Elev. 1016
Steels County Wood
5/10/50
8/4/50
15,000 M.c.f.
1250 lbs.
1975, 1440, 1895 feet

GAS WELL
CASING & TUBING
1 3/4 894 pulled
10 1378 pulled
8-1/2 2419 2419
6 5/8 5155 5155
2-3/8 5263 5263
8" 28 bags Gel.
7" set in 15 bags cement

Surface	0	45
Red rock	45	185
Lime	185	200
Red Rock	200	272
Slate	272	290
Sand	290	328
Lime	328	348
Red Rock	348	434
Lime	434	446
Red Rock	446	557
Slate Shell	557	596
Red Rock	596	646
Slate	646	690
Lime	690	707
Red Rock	707	773
Slate	773	796
Red Rock	796	825
Slate Shell	825	842
Red Rock	842	861
Slate	861	895
Gritty Lime	895	903
Sand	903	924
Slate	924	942
Pink Rock	942	958
Slate Shell	958	988
Sand	988	1006
Lime	1006	1021
Red Rock	1021	1257
Slate	1257	1291
Sand	1291	1307
Slate Shell	1307	1358
FIRST SALT	1358	1448
Slate Shell	1448	1570
SECOND SALT	1570	1607
Slate	1607	1643
THIRD SALT	1643	1716
Slate Shell	1716	1866
BIG INJUN	1866	2223
Lime	2223	2389
Slate Shell	2389	3745
Snell	3745	3812
Slate Shell	3812	3870
Lime	3870	3971
Slate Shell	3971	4232
Brown Shale	4232	4342
Slate shell	4342	4825
Brown Shale	4825	5133
CORNFERCUS LIMESTONE	5133	5242
CRISMAN SAND	5242	
Total Depth		5253

water 1375 1440 3 bailers per hr.

Water 1895-1988 hole full

show gas 4045

show gas 5020

Gas 5242-46-51-57

Received

JUN - 3 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

Rockport Well 7251

F-23609

47-107-00321-P

WORK ORDER

REQUEST NO. 4018
DATE June 24, 19 53

11-5135-53

BUDGET NO. 763 WORK ORDER NO. 4501
DATE ISSUED 7-3- 19 53

COMPANY United Fuel Gas Company DEPT. (For Storage) DIVISION Production
DISTRICT Clendenin
PROPOSED WORK Recondition Well X-58-7251, and Install Heavier Equipment.

KNOWN AS Well X-58-7251 - Additions (8059) NO. _____ ORIGINAL INSTALLATION DATE _____
PURPOSE AND NECESSITY To Recondition Purchased Well for Storage in Pool X-58.

LOCATION: Well X-58-7251 - Frank Gilmore Farm.
IN Steel Rural Wood West Virginia
DISTRIBUTION PLANT REGISTERIAL DISTRICT TAXING DISTRICT COUNTY STATE

RELATED PROJECT WORK ORDER NO. _____ FOR Well #8059 - Part Removal
APPROVED BY John C. Martin APPROVED BY H. C. Mefford, Jr.

DETAIL OF EXPENDITURES

MATERIAL TO BE INSTALLED	UNIT PRICE	SIZE	ESTIMATE		ACTUAL		VARIATION
			QUANTITY	AMOUNT	QUANTITY	AMOUNT	
9.20# Steel Tubing	.93	4-1/2"	5263'	4,895.00	5293'	5,504.72	609.72
Wall & Anchor Packer		4"x7"	1	200.00	1	175.11	(24.89)
Orbit Gate Valve Comp.		4"	1	475.00	1	508.20	33.20
Nord. Fig. 2349 P.Valve-Comp.		4"	1	400.00	1	365.38	(34.62)
Casing Centralizers	13.50	4"x7"	11	149.00	12	291.12	142.12
Bull Plug		4"	1	12.00	1	12.46	.46
Welded Tee		4"	1	11.00	1	12.76	1.76
Anchor Clamps		4"	1	30.00	1	20.19	(9.81)
Turnbuckles	13.00	1-1/2"x18"	2	26.00	2	28.99	2.99
Welding Neck Flanges 900 Ser.	25.00	4"	8	200.00	8	223.88	23.88
Fittings				50.00		47.30	(2.70)
TOTAL MATERIAL				6,448.00		7,190.11	742.11
INSTALLATION COST							
Direct Labor				1,000.00		1,236.88*	236.88
Use of Auto and Hauling				900.00		2,006.34*	1,106.34
Tools, Supplies and Miscellaneous Expense				200.00		101.33	(98.67)
Hauling, Erecting and Dismantling Spudder				350.00		- *	(350.00)
Cement and Services				1,200.00		1,709.33	509.33
Fuel Gas				-		28.00	28.00
Interest				-		61.56	61.56
Stores Expense and Freight				651.00		801.48	150.48
Labor Benefits Overheads				184.00		227.26	43.26
Administrative Overheads				57.00		69.12	12.12
TOTAL INSTALLATION COST				4,542.00		6,241.30	1,699.30
TOTAL ESTIMATE				10,990.00		13,431.41	2,441.41

INDICATE NORTH

SKETCH (CORRECT TO ACTUAL)

INVENTORY MAP NO. None

Map Square 64-107

Note: Move in Bucyrus Erie Spudder, and String of Cleaning Out Tools. Cut and Pull 2200' of 7" Casing, and clean Well out. Run 5263' of 4-1/2" Tubing, on Wall and Anchor Packer. Cement between 4-1/2" and Seven Inch, to where 7" was cut off, and then cement between 4-1/2" and 8-5/8" Casing to Surface. Install Heavy Connections, and report results.

Received

* Included in use of auto and Direct Labor.

JUN - 3 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

08/08/2014

2-763-4501

ROCKPORT 7251.txt

Survey File: C:\Humphrey Data\A514-4589.raw
Date: May 07, 2014
Time: 5:30
Description: GYROSCOPIC SURVEY
Location: ROCKPORT 7251
Customer: COLUBIA GAS
Operator: REYNOLDS/LESHER
Comments:
WOOD COUNTY WV

GOODRICH TOOL IDENTIFICATION

Gyroscope Model: DG69-0901-4 #145
TX Series: #4808
EI Series: #5982
AC Series: #107
Accel.Voltage Limits: Xmax= 9.846 ; Xmin=-9.998 ; Ymax= 9.831 ; Ymin=-9.995
Comments:
A514-4589

Warm-Up Duration: 22.5 min

SURVEY REFERENCE DATA

Sight Reference Description: Corresponding Magnetic Compass Reading
JACOBS STAFF
Local Magnetic Declination: -8 deg.
REFERENCE SUMMARY
Survey Reference Point: 11 deg.
Local Grid Offset: 8 deg.
Drift Correction Method: Least Squares Drift Linearization
Computation Method: Minimum Curvature

Received

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Office of Oil and Gas
WV Dept. of Environmental Protection

Target Direction (deg):0

INRUN record set

Measured Course Closure	Course Vertical	Course Direction	Closure Direction	TrueVert. Depth	Rectangular Coordinates	Dogleg Severity
(feet)	Inclin. Section from Vert. (feet)	(deg)	(deg)	(feet)	+N/-S +E/-W	*/100 f
100.00	0.51	173.7	312.70	99.99	0.58 -0.62	1.90
0.85	0.6					
200.00	0.75	145.6	207.03	199.99	-0.40 -0.21	0.40
0.45	-0.4					
300.00	1.37	133.8	149.89	299.97	-1.77 1.03	0.70
2.05	-1.8					
400.00	2.01	131.6	139.61	399.92	-3.77 3.21	0.60
4.95	-3.8					
500.00	2.01	129.4	135.84	499.86	-6.04 5.87	0.10
8.42	-6.0					
600.00	2.82	135.3	134.84	599.77	-8.90 8.95	0.80
12.62	-8.9					
700.00	3.39	132.3	134.49	699.63	-12.64 12.86	0.60
18.03	-12.6					
800.00	3.46	140.1	134.93	799.45	-16.95 16.99	0.50
24.00	-16.9					
900.00	2.86	145.0	136.31	899.30	-21.31 20.35	0.70
29.47	-21.3					
1000.00	2.75	161.5	138.66	999.18	-25.63 22.54	0.80
34.13	-25.6					
1100.00	3.64	176.2	142.88	1099.02	-31.06 23.51	1.20
38.96	-31.1					
1200.00	3.82	172.0	147.20	1198.81	-37.53 24.19	0.30
44.65	-37.5					
1300.00	3.32	170.8	150.10	1298.62	-43.68 25.12	0.50

ROCKPORT 7251.txt

50.39	-43.7						
1400.00	2.64	177.9	152.28	1398.48	-48.84	25.67	0.80
55.17	-48.8						
1500.00	1.96	187.4	154.21	1498.40	-52.84	25.53	0.80
58.68	-52.8						
1600.00	1.01	197.7	155.66	1598.37	-55.37	25.04	1.00
60.77	-55.4						
1700.00	0.71	178.3	156.43	1698.36	-56.83	24.80	0.40
62.00	-56.8						
1800.00	0.72	195.2	156.99	1798.35	-58.05	24.65	0.20
63.07	-58.0						
1900.00	0.68	184.2	157.58	1898.34	-59.25	24.44	0.10
64.09	-59.2						
2000.00	0.75	151.6	157.76	1998.33	-60.41	24.71	0.40
65.27	-60.4						
2100.00	0.98	142.4	157.50	2098.32	-61.67	25.54	0.30
66.75	-61.7						
2200.00	0.72	154.5	157.29	2198.31	-62.91	26.33	0.30
68.20	-62.9						
2300.00	0.71	160.2	157.29	2298.30	-64.05	26.81	0.10
69.44	-64.1						
2400.00	0.39	153.6	157.29	2398.30	-64.94	27.17	0.30
70.40	-64.9						
2500.00	0.32	74.4	157.05	2498.30	-65.17	27.60	0.50
70.78	-65.2						
2600.00	0.83	65.5	156.24	2598.29	-64.80	28.53	0.50
70.80	-64.8						
2700.00	0.70	82.6	155.18	2698.28	-64.42	29.80	0.30
70.97	-64.4						
2800.00	0.43	84.2	154.42	2798.28	-64.30	30.78	0.30
71.29	-64.3						
2900.00	0.65	122.6	153.90	2898.27	-64.57	31.63	0.40
71.90	-64.6						
3000.00	0.48	133.1	153.55	2998.27	-65.16	32.41	0.20
72.78	-65.2						
3100.00	0.46	112.4	153.23	3098.27	-65.60	33.09	0.20
73.47	-65.6						
3200.00	0.44	106.4	152.82	3198.26	-65.86	33.82	0.10
74.04	-65.9						
3300.00	1.02	119.2	152.23	3298.25	-66.40	34.97	0.60
75.05	-66.4						
3400.00	0.69	168.3	151.99	3398.24	-67.43	35.87	0.80
76.37	-67.4						
3500.00	0.93	167.0	152.27	3498.23	-68.81	36.17	0.20
77.74	-68.8						
3600.00	0.80	200.9	152.80	3598.22	-70.25	36.11	0.50
78.99	-70.2						
3700.00	0.41	247.0	153.43	3698.22	-71.04	35.53	0.60
79.43	-71.0						
3800.00	0.93	313.2	153.89	3798.21	-70.62	34.61	0.90
78.65	-70.6						
3900.00	0.44	269.6	154.36	3898.21	-70.07	33.63	0.70
77.72	-70.1						
4000.00	1.33	307.9	155.01	3998.19	-69.36	32.33	1.00
76.52	-69.4						
4100.00	0.86	320.0	155.56	4098.18	-68.07	30.93	0.50
74.77	-68.1						
4200.00	0.23	13.8	155.62	4198.17	-67.30	30.50	0.70
73.89	-67.3						
4300.00	1.13	297.3	156.01	4298.16	-66.66	29.67	1.10
72.96	-66.7						
4400.00	0.42	36.6	156.25	4398.16	-65.91	29.01	1.30
72.01	-65.9						

Received

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08/08/2014

ROCKPORT 7251.txt							
4500.00	0.61	33.3	155.63	4498.15	-65.17	29.52	0.20
71.55	-65.2						
4600.00	0.51	354.0	155.15	4598.15	-64.28	29.76	0.40
70.84	-64.3						
4700.00	0.60	254.9	155.46	4698.15	-63.97	29.21	0.90
70.32	-64.0						
4800.00	0.50	305.0	156.06	4798.14	-63.86	28.35	0.50
69.87	-63.9						
4900.00	0.58	206.7	156.57	4898.14	-64.07	27.76	0.80
69.82	-64.1						
5000.00	0.92	171.0	157.05	4998.13	-65.31	27.66	0.60
70.93	-65.3						
5100.00	1.01	157.5	157.21	5098.12	-66.91	28.12	0.20
72.58	-66.9						
5200.00	1.96	122.6	156.47	5198.08	-68.65	29.90	1.30
74.88	-68.7						
5238.00	1.51	157.0	156.20	5236.07	-69.46	30.64	2.90
75.92	-69.5						

Bottom:
 True Vertical Depth 5236.07feet
 Closure Distance 75.9 feet
 Closure Direction 156.2 deg.
 Course Direction 157.0 deg.

Received

JUN - 3 2014

WW-4A
Revised 6-07

1) Date: 4/1/14
2) Operator's Well Number
Rockport storage well 7251
3) API Well No.: 47 - 107 - 00321

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>Sandra J. Cox</u>	Name <u>not operated</u>
Address <u>635 Queen Hollow Rd</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.

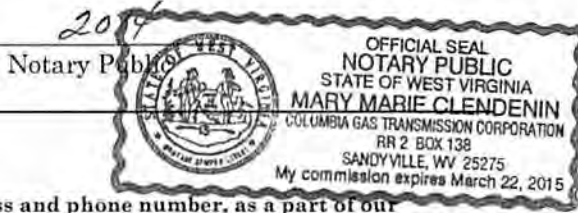
The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

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
- 3 2014

Well Operator	<u>Columbia Gas Transmission, LLC</u>
By:	<u>James E. Amos</u>
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
 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.

10700321P

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

Article Sent To:
ROCKPORT WV 26169

Postage	\$	\$1.82	25271
Certified Fee		\$3.30	07
Return Receipt Fee (Endorsement Required)		\$2.70	JUN 02 2014 Postmark Here
Restricted Delivery Fee (Endorsement Required)		\$0.00	
Total Postage & Fees	\$	\$7.82	06/02/2014 USPS - 25271

Name (Please Print Clearly) (To be completed by mailer)
 Sandra Cox ✓
Street, Apt. No.; or PO Box No.
 635 Queen Hollow Rd.
City, State, ZIP+4
 Rockport, WV 26169

PS Form 3800, July 1999 See Reverse for Instructions

7099 3220 0009 0804 9497

Received

JUN - 3 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

08/08/2014

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 1012.7 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.

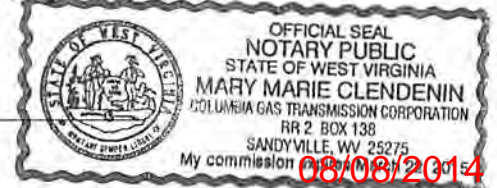
Company Official Signature James E. Amos 6/2/14 **Received**
 Company Official (Typed Name) James E. Amos
 Company Official Title Senior Well Services Engineer JUN - 3 2014

Subscribed and sworn before me this 2nd day of June, 20 14 Office of Oil and Gas
WV Dept. of Environmental Protection

Mary Marie Clendenen

Notary Public

My commission expires March 22, 2015



W-107-00321-P

Operator's Well No. Rockport 7251

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

Plugging

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

JUN - 3 2014

Plan Approved by: *Janie Stevens*

Comments:

Office of Oil and Gas
WV Dept. of Environmental Protection

Title:

Date: 5/29/2014

Field Reviewed? Yes No

(LUBECK)



081° 33' 41.95" W
039° 05' 59.15" N

(SOUTH PARKERSBURG)

ROCKPORT QUADRANGLE
WEST VIRGINIA
TOPOGRAPHIC SERIES

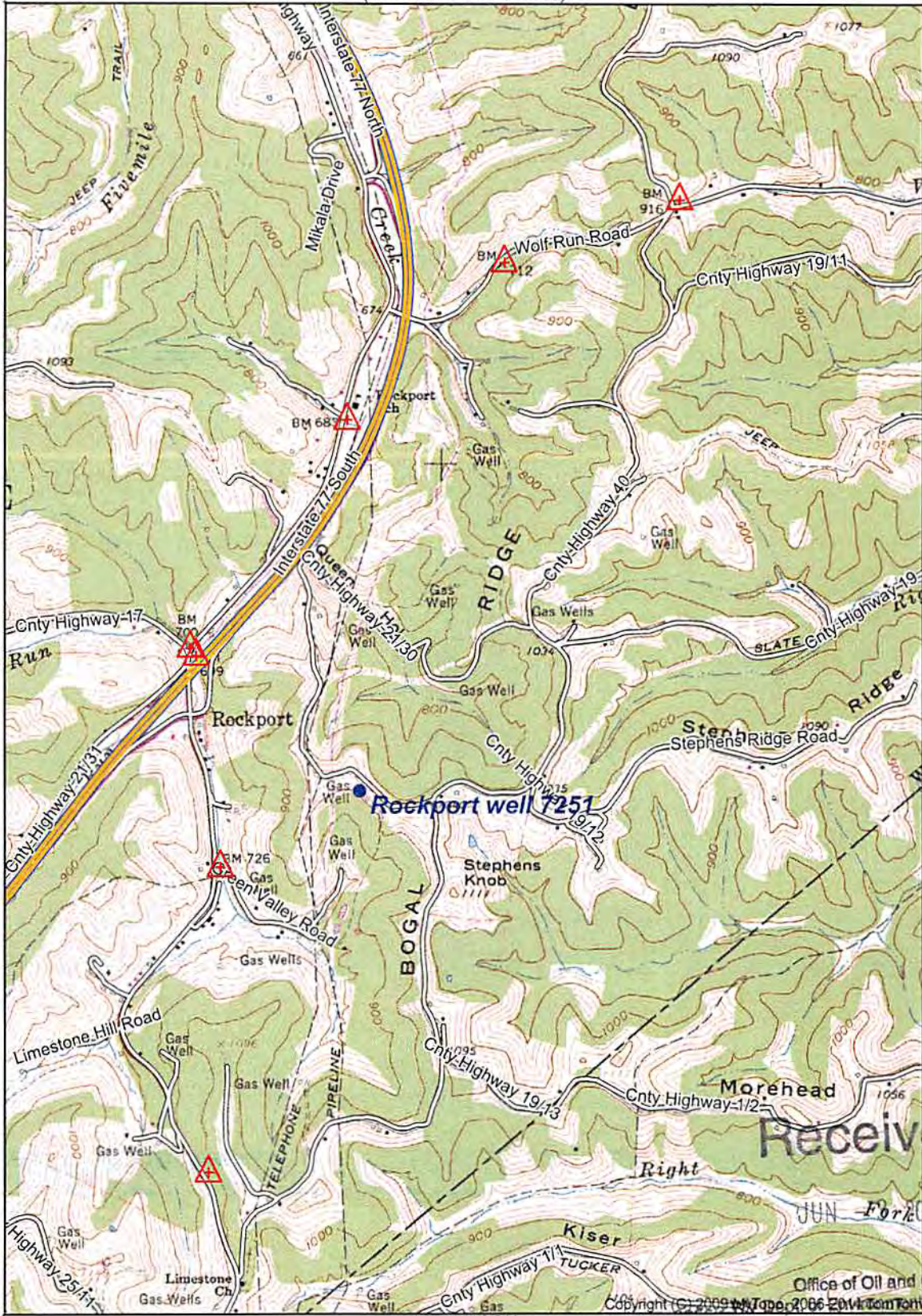
107 00321P

(KANAWHA)

081° 31' 09.58" W
039° 05' 59.15" N

(POND CREEK)

(ELIZABETH)



039° 03' 11.58" N
081° 33' 41.95" W

081° 31' 09.58" W
039° 03' 11.58" N

(SANDYVILLE)

(REEDY)

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

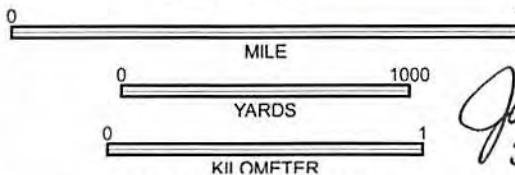
North American 1983 Datum (NAD83)
Polyconic Projection

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

Declination



(LIVERPOOL)
SCALE 1:24000



CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM 1929

Received

JUN Feb 2014

Office of Oil and Gas
Copyright (C) 2009 by MyTopo, 2006 Environmental Protection
Printed Wed Feb 26, 2014

Jonie Stewart
5/1/2014
47-107-00321P
ROCKPORT, WV
1960
08/08/2014



Google earth



Reclamation Plan 1 of 2 (overview) - Rockport 7251

* refer to civil engineering drawings for details of proposed earth disturbance

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JUN - 3 2014

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

Janice
5/29/2014

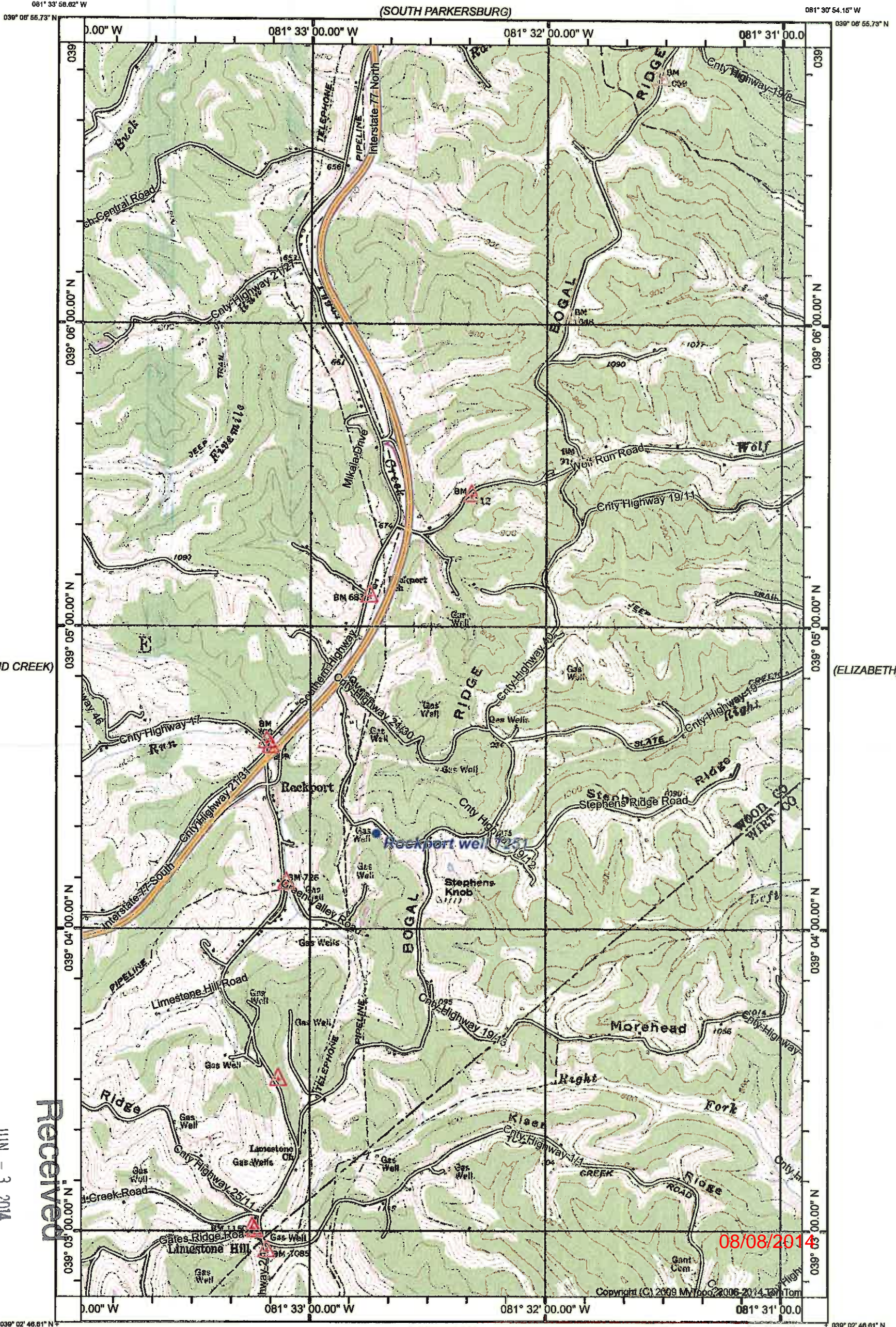
10700321P

(LUBECK)



ROCKPORT QUADRANGLE
WEST VIRGINIA
TOPOGRAPHIC SERIES

(KANAWHA)



Office of Oil and Gas
WV Dept. of Environmental Protection

JUN - 3 2014

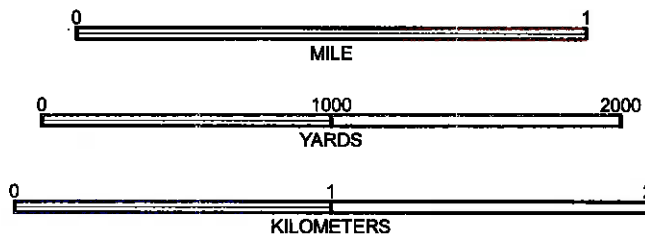
Received

Declination



GN 0.34° W
MN 7.88° W

(LIVERPOOL)
SCALE 1:24000



CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM 1929

ROCKPORT, WV
1960

47 107-00321-P

10700321 P

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-107-00321-P. WELL NO.: 7251
 FARM NAME: Gilmore, Frank
 RESPONSIBLE PARTY NAME: Columbia Gas Transmission, LLC
 COUNTY: Wood DISTRICT: Steele
 QUADRANGLE: Rockport
 SURFACE OWNER: Sandra J. Cox
 ROYALTY OWNER: Frank Gilmore et ux (storage lease)
 UTM GPS NORTHING: 4324898.80 m
 UTM GPS EASTING: 452844.77 m GPS ELEVATION: 308.7 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

- 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.

Jama E. Cox
Signature

Senior Engineer

Title

6/2/14

Date

Received

JUN - 3 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

Jama E. Cox
08/08/2014
5/21/2014

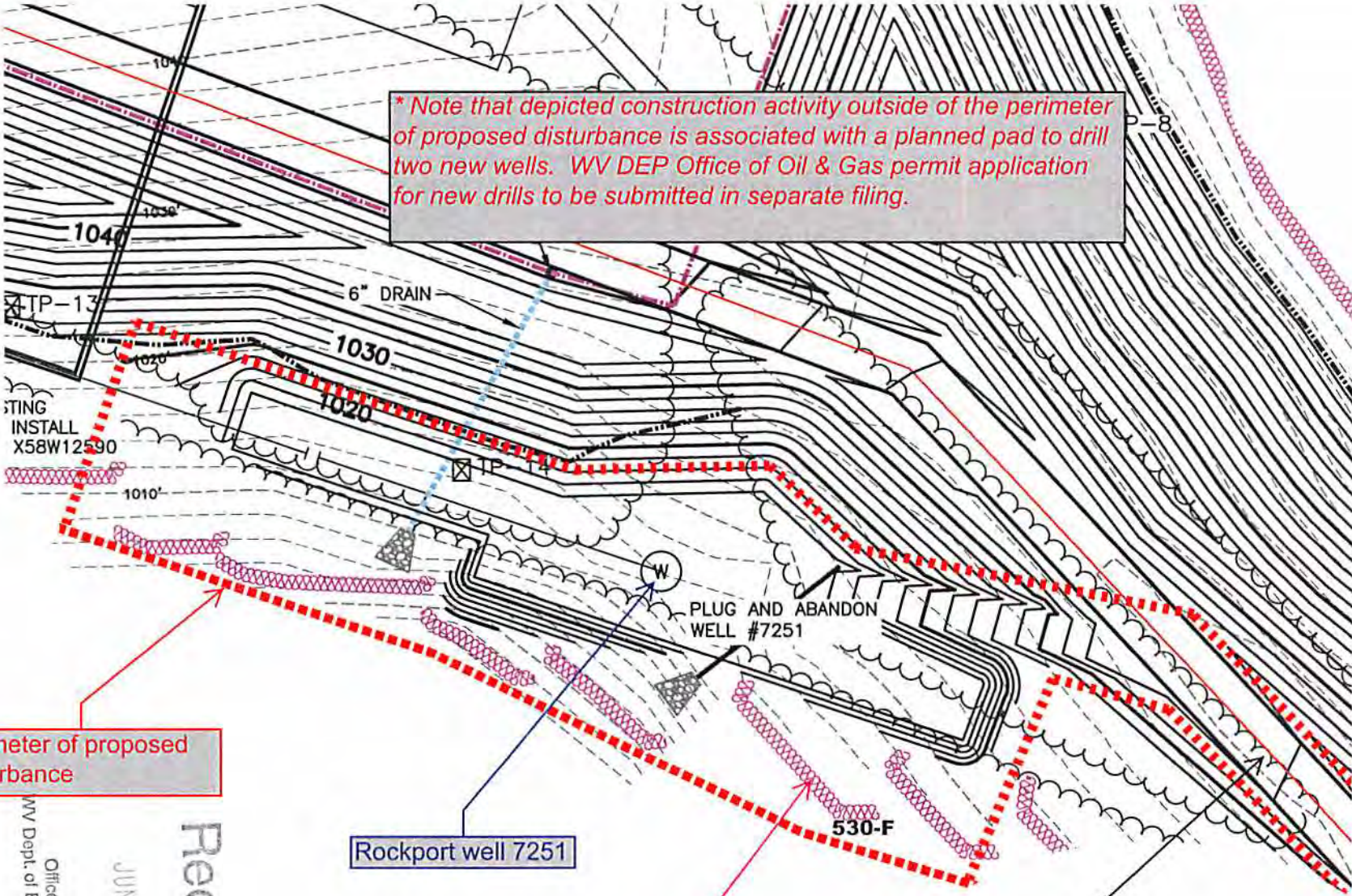
* Note that depicted construction activity outside of the perimeter of proposed disturbance is associated with a planned pad to drill two new wells. WV DEP Office of Oil & Gas permit application for new drills to be submitted in separate filing.

perimeter of proposed disturbance

Rockport well 7251

filter sock

existing access road



Office of Oil and Gas
WV Dept. of Environmental Protection

JUN - 3 2014

Received

Reclamation Plan 2 of 2 (Site Detail) - Rockport 7251
- grading / fill as depicted on drawing
- BMPs to be utilized per DEP

Jamie Stevens
5/29/2014

10700321P