



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

February 12, 2014

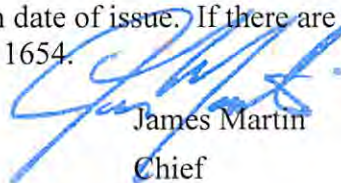
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-10901289, issued to CONSOL GAS COMPANY, 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: 13053
Farm Name: PINNACLE LAND CORP.
API Well Number: 47-10901289
Permit Type: Plugging
Date Issued: 02/12/2014

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 _____, 20____
2) Operator's
Well No. 13053
3) API Well No. 47-109-01289

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 X or Underground storage ____) Deep ____/ Shallow X

5) Location: Elevation 1447 ft. Watershed Turkeywallow Branch
District Center 3 County Wyoming Quadrangle Pineville, WV

109 549

6) Well Operator CNX Gas Company LLC 7) Designated Agent Jeremy Jones
Address 2481 John Nash Blvd Address One Dominion Drive
Bluefield, WV 24701 Jane Lew, WV 26378

8) Oil and Gas Inspector to be notified Name Ross Eller
Address 121 Brierhill Drive
Beckley, WV 25801
9) Plugging Contractor Name L&D Well Services
Address PO Box 1192
Vansant, VA 24656

10) Work Order: The work order for the manner of plugging this well is as follows:
see attached plugging procedures

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Office of Oil and Gas
JAN 23 2014
WV Department 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



Date

1/16/14

API 47-109-01289 (13053) Plugging Procedure

1. Verify total depth to 2280' (4 ½").
2. Run E-Log to consist of density, gamma ray, deviation, caliper, ccl to determine the location of the lowest minable coal and verify Pocahontas #3 Seam location (PMC depth shows at approximately 693' G.L.).
3. Run Free Point Survey on 4 ½" casing.
4. Run tubing to TD. Set cement plug from TD to at least 100' above the Ravenclyffe Formation perforations (1363'). Pump 100' of 6% gel spacer from 1263' to 1163'.
5. Cut 4 ½" casing at approximately 713' or at free point and pull casing.
6. Washover 4 ½" casing to remove annular cement to a depth of 15' below the Pocahontas #3 coal seam (if necessary).
7. Cut 4 ½" casing 15' below the Pocahontas #3 coal seam and remove from well (if necessary).
8. Run bond log on 7" casing to determine top of cement.
9. Section mill the 7" casing from 10' above the Pocahontas 3 Seam to 5' below the seam for a total of 20'.
10. Perforate the 7.00" casing with 1 shot per 100' from the Pocahontas #3 Seam to the surface.
11. Run tubing to previous gel top, and pump expanding cement from there to 100' above the Pocahontas #3 seam. Cement plug from previous top of gel to 593'.
12. Pump standard cement to surface. Standard Cement plug from 593' to 0'.
13. Install a 4'x7" monument with API 47-109-01289.

Note: If the 4-1/2" casing has an excessive amount of cement above the Pocahontas #3 seam, then an alternative method will be used instead of washing over the 4-1/2" casing. The 4-1/2" will be section

milled from 10' above the Pocahontas #3 seam to 5' below the seam for a total of 20'. The 7" will then be perforated with 10 shots/foot for a total of 10' across the Pocahontas #3 seam.

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WV Department of
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UTME 447053.1
UTMN 4153085.1

37525211 -8457717
10901289P

WR-35 **RECEIVED**
WV Division of
Environmental Protection

JAN 23 1995

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

API #: 47-109-01289
CNGT WELL 13053

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm Name: POCAHONTAS LAND Operator Well Number: 13 B-69 E-8069

Elevation: 1447 Quadrangle: PINEVILLE

District: CENTER County: WYOMING
Latitude: 6730 Feet South of 37 Deg. 32 Min. 30.00 Sec.
Longitude: 4690 Feet West of 81 Deg. 35 Min. 0.00 Sec.

Company: BOWIE
P.O. Drawer 1430
Clarksburg, WV 26302-1430

Agent: William H. Bowie

Inspector: Rodney G. Dillon
Permit issued: 11/25/92
Well Work Commenced: 12/7/92
Well Work Completed: 12/13/92
Verbal Plugging
Permission granted on:
Rotary: Cable: Rig
Total Depth (feet): 2302
Fresh Water Depths (ft): 209
Salt Water Depths (ft): N/A

Casing and Tubing	Used in Drilling	Left in Well	Cement Fill Up in SKS
9 5/8"	30'	-	-
7"	800	800	CTS
4 1/2"	2280	2280	140

Is Coal Being Mined in the Area? (Y/N) Yes
Coal Depths (ft) 243-45,368-70,438-42,453-55

OPEN FLOW DAT

Producing formation RAVENCLIFF, MAXTON Pay zone depth (ft) 1728-2265
Gas: Initial open flow 440 MCF/day Oil: Initial open flow: N/A BBL/day
Final open flow: 440 MCF/day Final open flow: N/A BBL/day
Time of open flow between initial and final tests 12 Hours
Static Rock Pressure 320 psig (surface pressure) after 24 Hours

Producing formation _____ Pay zone depth (ft) 1363-1429
Gas: Initial open flow _____ MCF/day Oil: Initial open flow: _____ BBL/day
Final open flow: _____ MCF/day Final open flow: _____ BBL/day
Time of open flow between initial and final tests _____ Hours
Static Rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELBORE.

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For: BOWIE

By: Clay Bowie
Date: 1-18-95

WV Department of
Environmental Protection

WYO 1289

Stage 1 Frac: (1728-2265) 30 HOLES, 750 GAL 15% HCL, 400 SKS SAND, 460 BBL 75Q N2 FOAM

Stage 2 Frac: (1363-1429) 30 HOLES, 760 GAL 15% HCL, 400 SKS SAND, 420 BBL 75Q FOAM

Stage 3 Frac:

Stage 4 Frac:

Stage 6 Frac:

	FORMATION	TOP	BOTTOM	COMMENT
1.	SAND & SHALE	0	219	
2.	SAND	219	243	1/2" H2O @ 209
3.	COAL	243	245	
4.	SHALE & SAND	245	368	
5.	COAL	368	370	
6.	SAND & SHALE	370	438	
7.	COAL	438	442	
8.	SAND	442	453	
9.	COAL	453	455	
10.	SAND	455	580	
11.	SAND & SHALE	580	950	
12.	PRINCETON	950	980	
13.	SHALE & SAND	980	1326	
14.	RAVENCLIFF	1326	1430	GAS SHOW
15.	AVIS	1430	1475	
16.	SHALE	1475	1710	
17.	MAXTON	1710	2085	GAS SHOW
18.	SAND & SHALE	2085	2220	
19.	L MAXTON	2220	2270	
20.	SHALE	2270	2302	DTD
21.		0	0	
22.		0	0	

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Environmental Protection

10901289A

47-109-01289

JUN 30 '92 14:25 CLARKSBURG WV

13053

P.5

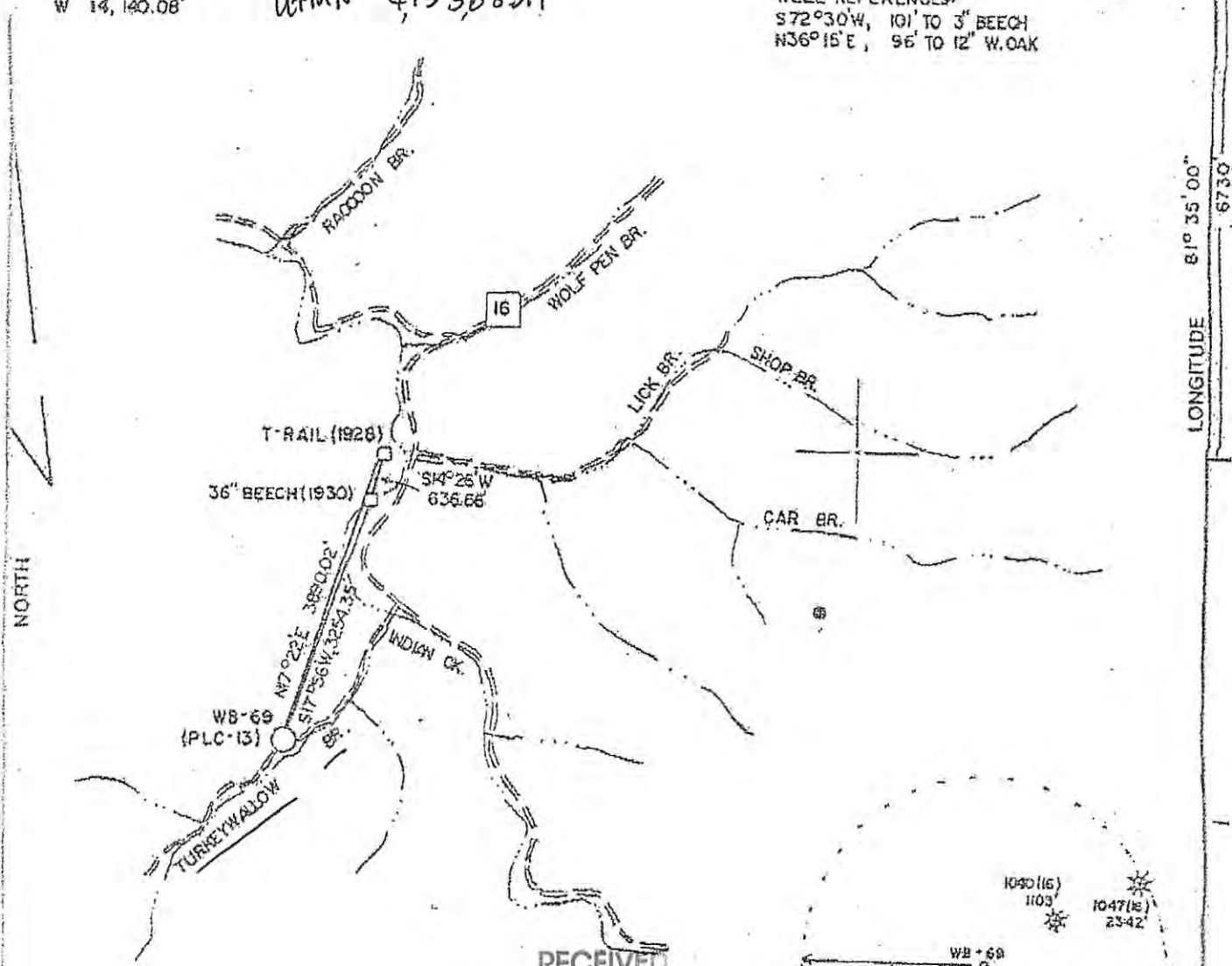
4690

LATITUDE 37°32'30"

POGA. LAND COOR.:
N. 56,979.33'
W 14,140.08'

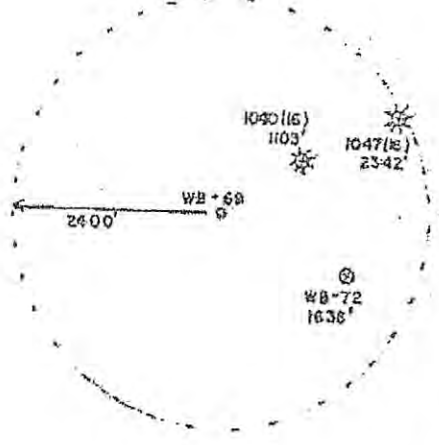
UTME 447053.7
UTMN 4153085.1

WELL REFERENCES:
S72°30'W, 101' TO 3" BEECH
N36°15'E, 96' TO 12" W.OAK



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FEB 11



LAND SURVEYING SERVICES
21 CEDAR LANE
BRIDGEPORT, WV 26330
PHONE: 304-842-2018

WV Department of Energy
Environmental Protection

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 in 2500
 PROVEN SOURCE OF ELEVATION BM 4000' N.E. OF LOCATION ELEV. 1281'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF ENERGY.
 (SIGNED) _____

R.P.E. _____ I.L.S. 674
 STEPHEN D. LOSH



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE JUNE 25 1992
 OPERATOR'S WELL NO. WB-69 (PLC NO. 13)
 API WELL NO. E-80649

02/14/2014

109 01289 P

WW-4A
Revised 6-07

1) Date: 1/21/2014
2) Operator's Well Number 13053
3) API Well No.: 47 - 109 - 01289

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

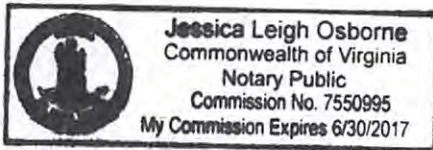
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name <u>Pinnacle Land Company</u> ✓	Name <u>Mechel North America (coal above the Poca 4 Seam)</u>
Address <u>PO Box 338</u>	Address <u>818 North Eisenhower Drive</u> ✓
<u>Pineville, WV 24874</u>	<u>Beckley, WV 25801</u>
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>Natural Resource Partners</u>
	Address <u>5260 Irwin Road</u> ✓
	<u>Huntington, WV 25705</u>
(c) Name _____	Name _____
Address _____	Address _____
6) Inspector <u>Ross Eller</u>	(c) Coal Lessee with Declaration
Address <u>121 Brierhill Drive</u>	Name <u>Pinnacle Mining Company LLC (coal in Poca 3 and Poca 4 Seams)</u>
<u>Beckley, WV 25801</u>	Address <u>PO Box 338</u> ✓
Telephone <u>304-932-6844</u>	<u>Pineville, WV 24874</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.



Well Operator CNX Gas Company LLC
 By: [Signature]
 Its: Permitting Supervisor, Attorney-in-Fact
 Address 2481 John Nash Blvd
Bluefield, WV 24701
 Telephone 304-323-6568

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Office of Oil and Gas

JAN 23 2014

Subscribed and sworn before me this 21st day of January 2014
Jessica Leigh Osborne Notary Public
 My Commission Expires 06/30/2017

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.

02/14/2014

WW-4B

APINo. 47-109-01289
Farm Name _____
Well No. 13053

**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.

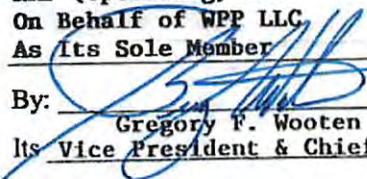
This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, 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: 01/24/2014

NRP (Operating) LLC
On Behalf of WPP LLC
As Its Sole Member
By: 
Gregory F. Wooten
Its Vice President & Chief Engineer

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JAN 27 2014

West Virginia Department of
Environmental Protection

02/14/2014

WW-9
Rev. 5/08

Page _____ of _____
API Number 47-109 - 01289
Operator's Well No. 13053

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 CNX Gas Company LLC OP Code 494458046

Watershed Turkeywallow Branch Quadrangle Pineville, WV 549

Elevation 1447 ft. County Wyoming 109 District Center 3

Description of anticipated Pit Waste: water for plugging of abandoned gas well.

Will a synthetic liner be used in the pit? N/A

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number 2D0550319)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Proposed Work For Which Pit Will Be Used:

- Drilling
- Swabbing
- Workover
- Plugging
- Other (Explain a pumper truck with flowback tank will be used in lieu of a pit.)

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 *Ed Fanning*
Company Official (Typed Name) Ed Fanning
Company Official Title Permitting Supervisor

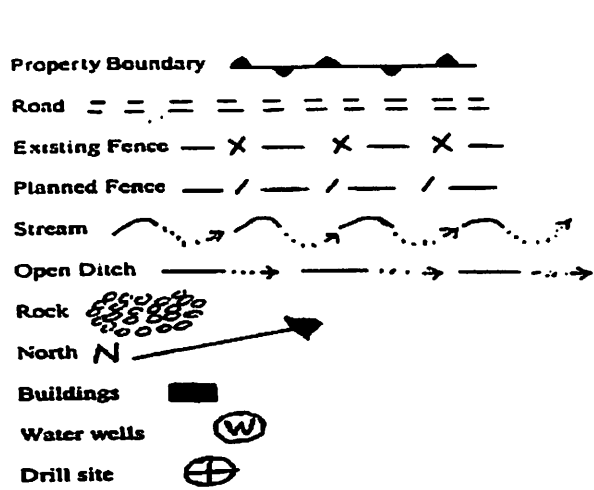
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Office of Oil and Gas
JAN 23 2014

Subscribed and sworn before me this 21st day of January, 2014

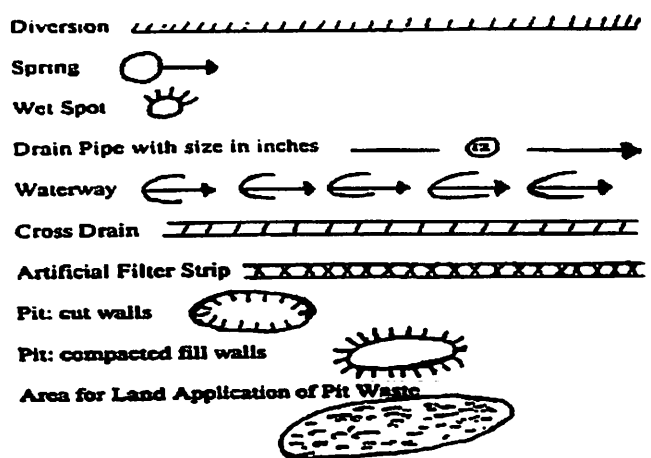
Jessica Leigh Osborne Notary Public

My commission expires 06/30/2017





LEGEND



Proposed Revegetation Treatment: Acres Disturbed 2.0 Prevegetation pH 6.5

Lime based on pH Tons/acre or to correct to pH 7.0

Fertilizer (10-20-20 or equivalent) 550 lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre

Seed Mixtures

Seed Type	Area I		Area II	
	lbs/acre		Seed Type	lbs/acre
Orchard grass	25		same as Area I	
Birdsfoot trefoil	15			
Lidino clover	10			

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

Photocopied section of involved 7.5' topographic sheet.

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JAN 23 2014

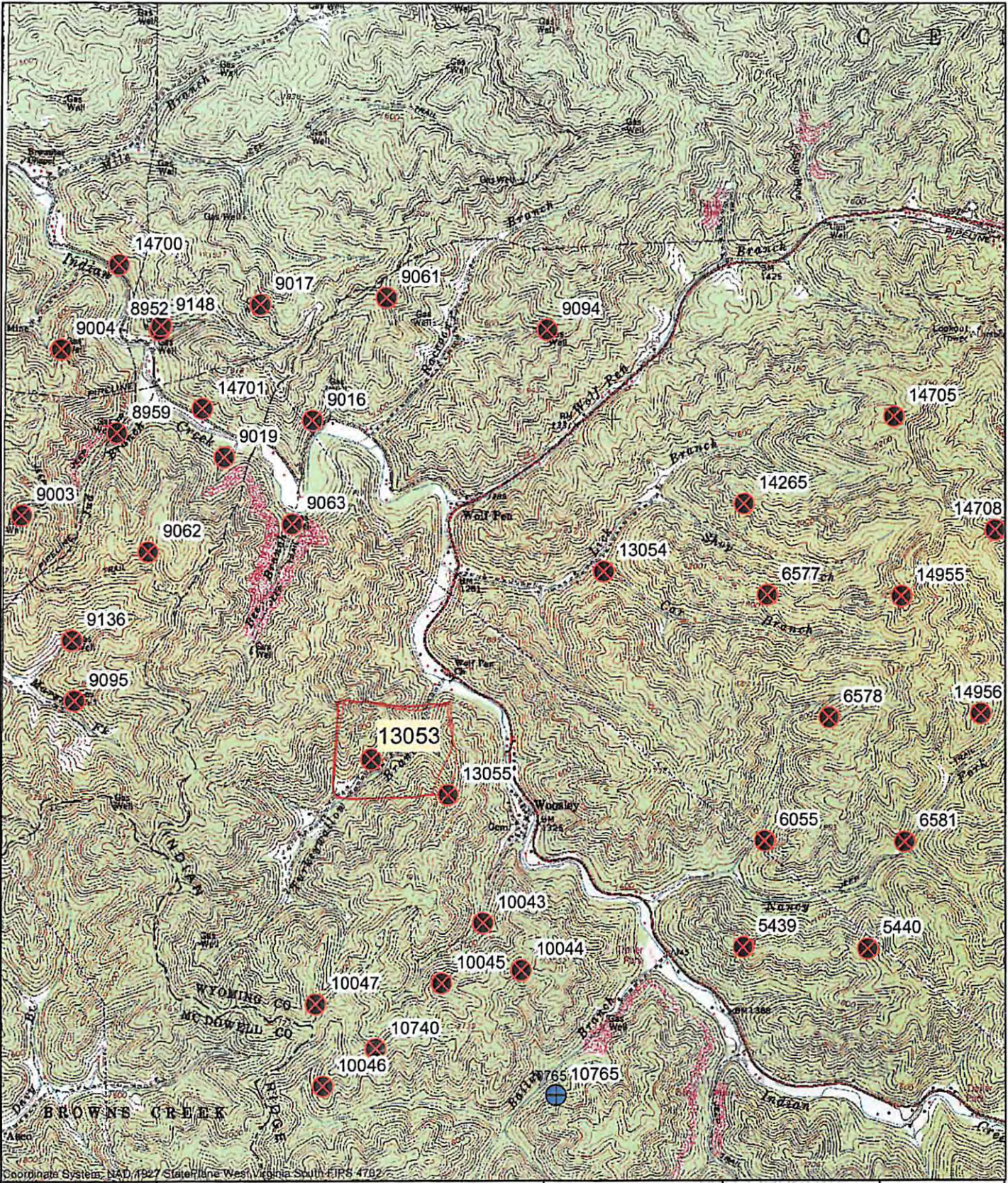
Plan Approved by:

WV Department of
Environmental Protection

Title: WV DEP Inspector

Date: 1/16/14

Field Reviewed? Yes No



	<p>PROPOSED PLUGGING WELL NUMBER 13053 API# 47-109-01289 GENERAL LOCATION MAP</p>		Orig. Date: 1/14/2014	Prepared By: KK
		<p>1000 Consol Energy Drive Canonsburg, PA 15317-6506</p>	Rev. Date:	Approved By: BS
		<p>1 inch = 2,000 feet</p>		

10901289P

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-109-01289 WELL NO.: 13053

FARM NAME: Pinnacle Land Company

RESPONSIBLE PARTY NAME: CNX Gas Company LLC

COUNTY: Wyoming DISTRICT: Center

QUADRANGLE: Pineville, WV

SURFACE OWNER: Pinnacle Land Company

ROYALTY OWNER: Natural Resource Partners

UTM GPS NORTHING: 4153085.1 m

UTM GPS EASTING: 447053.7 m GPS ELEVATION: 445 m 1447 FT.

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 _____

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.

[Signature] Prod. Coord. 1-13-14
Signature Title Date

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Office of Oil and Gas

JAN 23 2014

WV Department of
Environmental Protection