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 18, 2014

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-5100337, issued to CONSOL PENNSYLVANIA COAL COMPANY LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalities being imposed upon the operator.

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

James Martin
Chief

Operator's Well No: 5012 (4525)
Farm Name: STROPE, MILDRED G. ,EST.
API Well Number: 47-5100337
Permit Type: Plugging
Date Issued: 02/18/2014

Promoting a healthy environment.

5100337P

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.

5100337P

WW-4B
Rev. 2/01

1) Date September 7, 2012
2) Operator's Well No. 5012
3) API Well No. 47- 51 - 00337

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 ____/ Shallow X

5) Location: Elevation 1260.97'
District Webster 9
Watershed Granny Run
County Marshall 51 Quadrangle Majorsville, WV 7.5' 453

6) Well Operator Consol Pennsylvania Coal Co. LLC
Address 1000 Consol Energy Drive
Canonsburg, PA 15317

7) Designated Agent Don Teter - Doug Dinger
Address 1525 Pleasant Grove Road, Box J
Claysville, PA 15323

8) Oil and Gas Inspector to be notified
Name Derek Haught
Address P.O. Box 85
Smithville, WV 26178

9) Plugging Contractor
Name
Address

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

* CEMENT PLUGS, EXCEPT WHERE EXPANDING CEMENT IS REQUIRED, MUST BE A MINIMUM OF 100 FEET CLASS A CEMENT WITH NO MORE THAN 3% $CaCl_2$ AND NO OTHER ADDITIVES.

JWM 2/13/2014

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

Work order approved by inspector _____ Date _____

5103378

101 C

EXHIBIT No. 1

From the experience and technology developed since 1970 in plugging oil and gas wells for mining through, Consol Pennsylvania Coal Company will utilize the following method to plug all future wells.

SOLID PLUG METHOD

(a) If active well: clean out to total attainable depth and plug back according to state regulations to a minimum of 200 feet below lowest minable coal seam.

(b) If an abandoned well: clean out to first plug 200 feet below lowest minable coal seam.

(c) Circulate through tubing or drill steel an expanding cement plug from a minimum of 200 feet below minable coal seam to a point 100 feet above minable coal.

Circulate through tubing or drill steel ~~50/50 poz mix~~ CLASS A CEMENT from 100 feet above coal seam to surface.

A monument will be installed with API No. and stating "solid plug".

2/13/2014

A4/ENGR/EXHIBIT1.RED

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5100337P

OG-10

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Quadrangle Cameron

Permit No. MARS-337-REDRILL

Oil or Gas Well Storage (KIND)

Company The Manufacturers Light and Heat Company
Address 800 Union Trust Building, Pgh. 19, Penna.
Farm William T. Phillips Acres 138
Location (waters)
Well No. 4525 Elev. 1258.60'
District Webster County Marshall
The surface of tract is owned in fee by
Address
Mineral rights are owned by
Address
Drilling commenced February 13, 1959
Drilling completed June 2?, 1959
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume 2,239,000 Cu. Ft.
Rock Pressure 702 lbs. 72 hrs.
Oil bbls., 1st 24 hrs.
Fresh water feet feet
Salt water feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13"	62'10"	62'10"	
10			Size of
8¼"	1173'	1173'	
7"	1879'	1879'	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. FT. Date

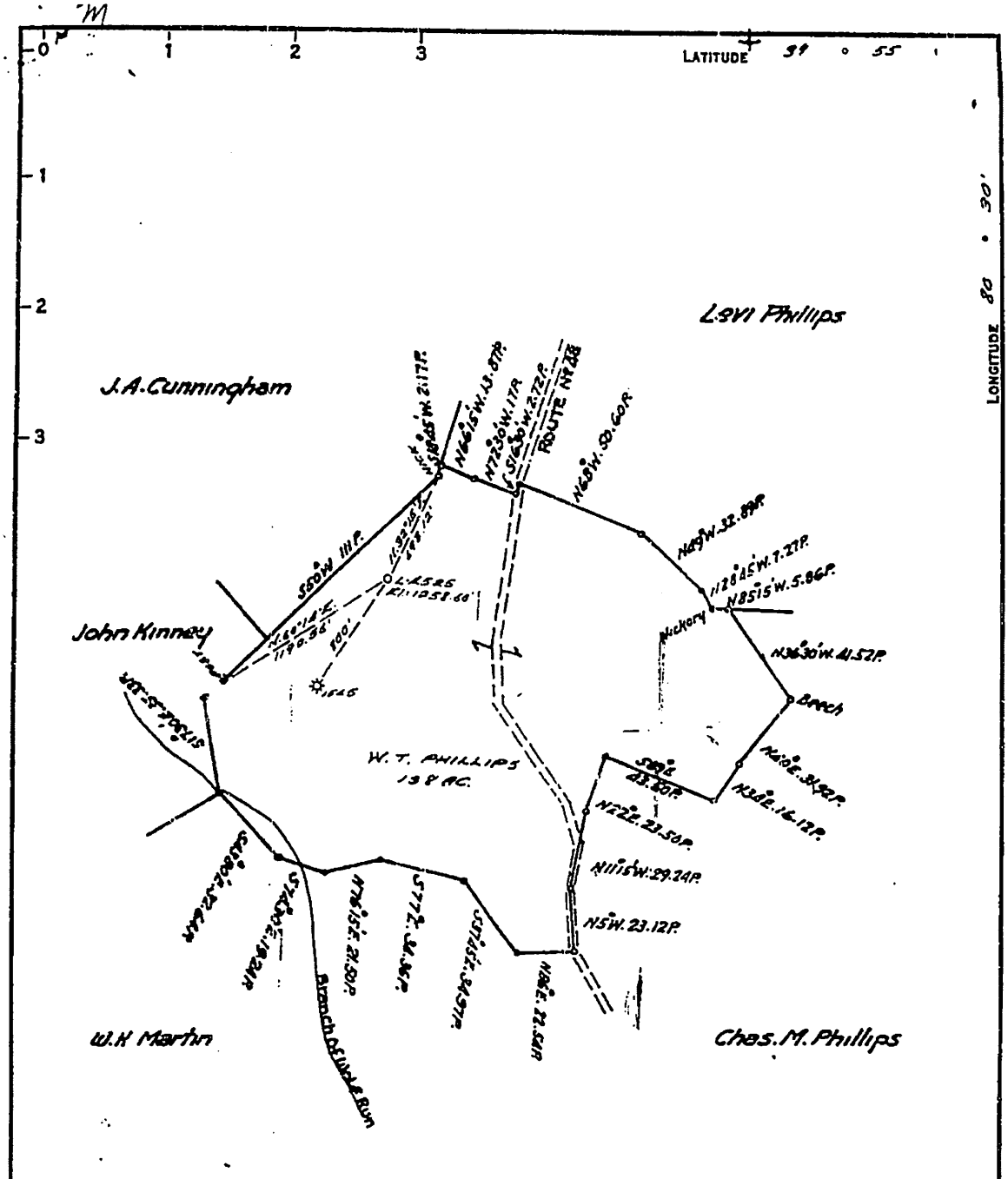
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft THICKNESS	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
SCHLUMBERGER GAMMA RAY SURVEY					Abandoned well redrilled for storage		
Pittsburgh Coal		5	722	727	Elevation - 1258.60' (Original Ground Level)		
Sand		55	1130	1185	Depth Datum - Derrick Floor - same as		
Big Dunkard		36	1284	1320	original ground level		
Gas Sand		34	1398	1432	13 3/8"(48#,H-40)Csg.Pt.-62'10" Cemented		
3rd Salt Sand		28	1666	1694	with 90 bags 2/18/59		
Maxton Sand		41	1735	1776	Original 10" shoulder - 140'		
Big Lime		15	1802	1817	8 5/8" (24#,J-55)Csg. Pt. - 1173'Cemented		
Big Injun			1836		with 275 bags 3/25/59		
Cleaned out to Original depth of 2020' and cemented back. Cement drilled out to 1898'.					7"(20#,J-55)Csg.Pt. - 1879' Cemented with 200 bags 4/15/59		
TOTAL DEPTH				1898	Gas at 1898' Cemented plug appeared solid but possibility of gas channeling from lower depth (See below)		

5/4/59 Open flow 2,239,000 cu.ft/day R.P. 702 psi with considerable free water.
Different types of surveys were run in the well to determine the possibility of separating the gas from the water and forcorrelation purposes with other wells of similar status.
The temperature survey indicated a possibility pay above the fluid level at 1906'.
The other logs showed a zone of invasion from 1899' to 1942' (Filter cake) with possible pays at (1903 - 1906'),(1916 - 1924) & (1930 - 1942)
The upper two zones correlate with the storage zones on other wells.The zone (1930-1942) correlates with the zone of well L-1545 (Orig. record & G.R.N.) which made a hole full of water.
6/19/59 Open flow 2,239,000 cu. ft/day with very little water.

(Over)

510337P



COAL OWNED BY _____
RECONDITION

NEW LOCATION ☐
DRILL DEEPER ☐
ABANDONMENT ☐

0-25-10

COMPANY THE MANUFACTURERS LIGHT & HEAT
ADDRESS 800 UNION TRUST BLDG. PGH. PA.
FARM WILLIAM T. PHILLIPS
TRACT _____ ACRES 138 LEASE NO. 27245
WELL (FARM) NO. 2 SERIAL NO. 4525
ELEVATION (SPIRIT LEVEL) 1258.60'
QUADRANGLE CAMERON EC
COUNTY MARSHALL DISTRICT WEBSTER
ENGINEER A. Ashton Jr.
ENGINEER'S REGISTRATION NO. 9442
FILE NO. _____ DRAWING NO. Y-15-880
DATE 10 JAN. 1968 SCALE 1" = 800'

NO. 104 IMPERIAL A. S. B. SMITH CO., PGH., PA.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP

FILE NO. Mars-337-R

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS, SCALE 1 TO 62,500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.

— DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

PR 3042-857

5100337P

WW-4A
Revised 6-07

1) Date: September 7, 2012
2) Operator's Well Number 5012

3) API Well No.: 47 - 51 - 00337

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

4) Surface Owner(s) to be served: ✓
(a) Name: Mildred G. Strope Est.
Address: RR 4 BOX 204
Cameron, WV 26033

(b) Name
Address

(c) Name
Address

6) Inspector
Address

Telephone

5) (a) Coal Operator
Name: Consol Pennsylvania Coal Company, LLC
Address: 1525 Pleasant Grove Road, Box J, Claysville, PA 15323
1000 Consol Energy Drive, Canonsburg, PA 15317-6506

(b) Coal Owner(s) with Declaration
Name
Address

Name
Address

(c) Coal Lessee with Declaration
Name
Address

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.

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Office of Oil and Gas
AUG 9 2013
WV Department of
Environmental Protection

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: Consol Pennsylvania Coal Company LLC
By: Doug Dinger - Don Teter (Designated Agent)
Its: Project Engineer
Address: 1525 Pleasant Grove Road, Box J, Claysville, PA 15323
192 Crabapple Road, Wind Ridge, PA 15380
Telephone: 724-485-4514

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
JoAnna L. Niecgorski, Notary Public
East Finley Twp., Washington County
My Commission Expires March 12, 2016
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Subscribed and sworn before me this 5th day of August 2013
Notary Public
My Commission Expires March 12, 2016

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 depprivacyoffier@wv.gov.

5100337P
& 5100323P

7011 0470 0000 4502 8335

U.S. Postal Service™ 5012 & 5013 PLUG
CERTIFIED MAIL™ RECEIPT PERMIT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

Postmark Here
CLAYSVILLE, PA
AUG - 5 2013
USPS 15323-9998

Sent To MILDRED STROUPE ESTATE
Street, Apt. No.; or PO Box No. RR4, Box 204
City, State, ZIP+4 CAMERON, WV 26033

PS Form 3800, August 2006 See Reverse for Instructions

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Office of Oil and Gas

AUG 9 2013

WV Department of
Environmental Protection

5100337P

WW-4C
Rev 7/27/04

STATE OF WEST VIRGINIA - DEPARTMENT OF ENVIRONMENTAL PROTECTION

SPECIAL NOTICE OF PLUGGING OF AN ABANDONED OIL OR GAS WELL BY AN INTERESTED PARTY WHO IS NOT THE OWNER OR OPERATOR OF THE WELL.

(Page 1 of 2)

ABANDONED WELL TO BE PLUGGED:

API Well No: 47-51-00337

Elevation: 1260.97' Watershed: Granny Run

District: Webster County: Marshall

Public Road access: Dry Ridge - Lone Oak Road - County Route 48

Generally used Farm Name: Strope

Other description of location:

NOTICE TO:

[List any owners of the surface of the land upon which such abandoned well exists and their address or their location for service.]

Mildred G. Strope Est.

RR 4 BOX 204, Cameron, WV 26033

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Office of Oil and Gas

AUG 9 2013

WV Department of
Environmental Protection

[List any owner or operator of such abandoned well of record with the Secretary of the Department of Environmental Protection their address or their location for service]

[List any oil or gas lessee of record with the Secretary of the Department of Environmental Protection and their address or location for service:]

NOTICE FROM:
Interested Party Proposing to Plug Well

Name: Consol Pennsylvania Coal Company LLC Attn. Douglas Dinger - Don Teter (Designated Agent)

Address: 1525 Pleasant Grove Road, Box J, Claysville, PA 15323

1000 Consol Energy Drive; Canonsburg, PA 15317

Telephone: 724-663-3031

DOES THE INTERESTED PARTY ELECT TO TAKE THE CASING, EQUIPMENT, AND OTHER SALVAGE WHICH MAY RESULT FORM THE PLUGGING OF THE WELL? [ ] YES [ ] NO

If the interested party has checked "no" then the surface owners may elect to take any casing, equipment or other salvage by sending a notice to the interested party at the address listed above. The interested party must then leave the salvage at a location which will not adversely affect reclamation. If the surface owners do not elect to take the salvage, the interested party must properly dispose of the salvage.

[Service of this notice may be by certified mail return receipt requested (file the return receipt card with the Department of Environmental Protection DEP), personal service (file form WW-70 with the DEP) or by such manner as is sufficient for service of process in a civil action in court (with corresponding proof of service to be filed with the DEP). In the event there is no owner or operator of record with the Chief or no oil and gas lessee of record with the Chief, this notice must be posted in a conspicuous place at or near the well. Service and posting must be done at least 20 days prior to entering onto the surface to began plugging.]

5100337P

STATE OF WEST VIRGINIA - DEPARTMENT OF ENVIRONMENTAL PROTECTION

SPECIAL NOTICE OF PLUGGING OF ABANDONED OIL OR GAS WELL BY AN INTERESTED PARTY

NOTICE INFORMATION FOR SURFACE OWNERS, WELL OWNERS AND OPERATORS, AND OIL AND GAS LESSEES

It is lawful pursuant to The West Virginia Abandoned Well Act (W.Va. Code 22-6-1 et seq.) and the rules and regulations promulgated pursuant to that law (all of which will be called the "Act" in the rest of this notice) for any interested person, the operator of a well, or the Chief of the Department of Environmental Protection (Chief) to enter upon the premises where any abandoned well is situated and properly plug or replug the well and reclaim any area disturbed by the plugging or replugging. A permit to do the plugging or replugging must be obtained from the West Virginia Department of Environmental Protection.

You are hereby notified that the party proposing to plug the oil or gas well identified on the reverse side of this notice is claiming to be an "interested party" in the plugging of that well as that term is defined by the Act. This interested party is claiming that well is "abandoned" within the meaning of W. Va. Code 22-6-19 because it is a dry hole or because it has not been in "use" for a period of 12 months and no satisfactory proof of a "bona fide" future use" for the well has been furnished to the Director.

ADDITIONAL NOTICE INFORMATION FOR SURFACE OWNERS

Any interested person who plugs a well pursuant to the provision of the Act must repair the damage or disturbance resulting from the plugging or compensate the surface owners for the damage or disturbance. This requirement of the Act is in addition to any rights and remedies any party may have pursuant to common law or other statutes. The compensation provided by the Act if the interested party does not fully repair the damage or disturbance is (i) the reasonable cost of repairing or placing any water well, (ii) the reasonable value of any crops destroyed, damaged or prevented from reaching market, (iii) the reasonable cost of repair to personal property up to the value of the replacement value of personal property of like age, wear and quality, (iv) lost income or expense incurred, and (v) reasonable costs to reclaim or repair real property including roads.

When the interested person is finished with the reclamation, the interested person must send the surface owners a letter advising that the reclamation has been completed. If the surface owners do not agree with the interested party that as to the adequacy of the repairs performed or the amount of compensation to which the surface owners may be entitled, either party may bring a civil action in court. In addition either party upon written notice to the other may elect to have that issue finally determined by binding arbitration pursuant to W. Va. Code 55-10-1 et seq. For materials further explaining the arbitration process please contact the Chief.

ADDITIONAL NOTICE INFORMATION FOR OWNERS OR OPERATORS OF WELLS

In the event the owner or operator of a well fails or has failed to plug an abandoned well in accordance with laws and regulations in effect at the time the well is or was first subject to plugging requirements, any interested persons who plugs or replugs such well pursuant to the provisions of this section may recover from the owner or operator of such well all reasonable costs incidental to such plugging or replugging, including any compensation provided for in this section. In the event funds from the oil and gas reclamation fund established pursuant to section twenty-nine, article one of this chapter are used to plug or replug such well, the Secretary shall be entitled to recover from the owner or operator of such well any amounts so expended from the fund. Any amounts so recovered by the Chief shall be deposited in said fund.

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Office of Oil and Gas

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WV Department of
Environmental Protection

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 depprivacyoffier@wv.gov.

5100337P

WW-9
Rev. 5/08

Page _____ of _____
API Number 47 - 51 - 00337
Operator's Well No. 5012

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 Consol Pennsylvania Coal Company LLC OP Code _____

Watershed Granny Run Quadrangle Majorsville, WV 7.5'

Elevation 1260.97' County Marshall District Webster

Description of anticipated Pit Waste: N/A

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 _____)
_____ Reuse (at API Number _____)
_____ Off Site Dispposal (Supply form WW-9 for disposal location)
X Other (Explain See Attached Letter

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AUG 9 2013
WV Department of
Environmental Protection

Proposed Work For Which Pit Will Be Used:

_____ Drilling _____ Swabbing
_____ Workover X Plugging
_____ Other (Explain _____

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 Douglas Dinger 8/5/13

Company Official (Typed Name) Doug Dinger - Don Teter (Designated Agent)

Company Official Title Project Engineer - Consol Pennsylvania Coal Company LLC

Subscribed and sworn before me this 5th day of August, 20 13

Notary Public

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
JoAnna L. Niecgorski, Notary Public
East Finley Twp., Washington County
My Commission Expires March 12, 2016
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

My commission expires March 12, 2016

5100337P

Form WW-9

Operator's Well No. 5012

LEGEND

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

Diversion
Spring
Wet Spot
Drain Pipe with size in inches 12
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 _____ Prevegetation pH _____

Lime _____ Tons/acre or to correct to pH _____

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

Mulch _____ Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre

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Office of Oil and Gas
AUG 9 2013
WV Department of
Environmental Protection

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: _____

Comments: _____

Title: _____ Date: _____

Field Reviewed? (_____) Yes (_____) No

5100337P

CONSOL ENERGY

Consol Pennsylvania Coal Co. LLC
Greenon Coal Company
1525 Pleasant Grove Road
Claysville, PA 15323
phone: 724/663-3031
fax: 724/663-3067

Department of Environmental Protection
Office of Oil & Gas
601-57TH Street
Charleston, West Virginia 25304

To Whom It May Concern:

As per the Division of Environmental Protection, Office of Oil & Gas request, Consol Pennsylvania Coal Company, submits the following procedures utilizing pit waste.

Upon submitting a well work application (without a general permit for Oil & Gas Pit Waste Discharge Application), Consol Pennsylvania Coal Company, will construct no pits, but instead will use mud tanks to contain all drilling muds.

Once the well is completed, that material (minus the cave material) will be trucked to the next well to be plugged or to DEP facilities number CMAP30841316, CMAP30810703, or CRD300020701

Sincerely,

Douglas Dinger 8/5/13

Douglas Dinger
Consol Pennsylvania Coal Co. LLC

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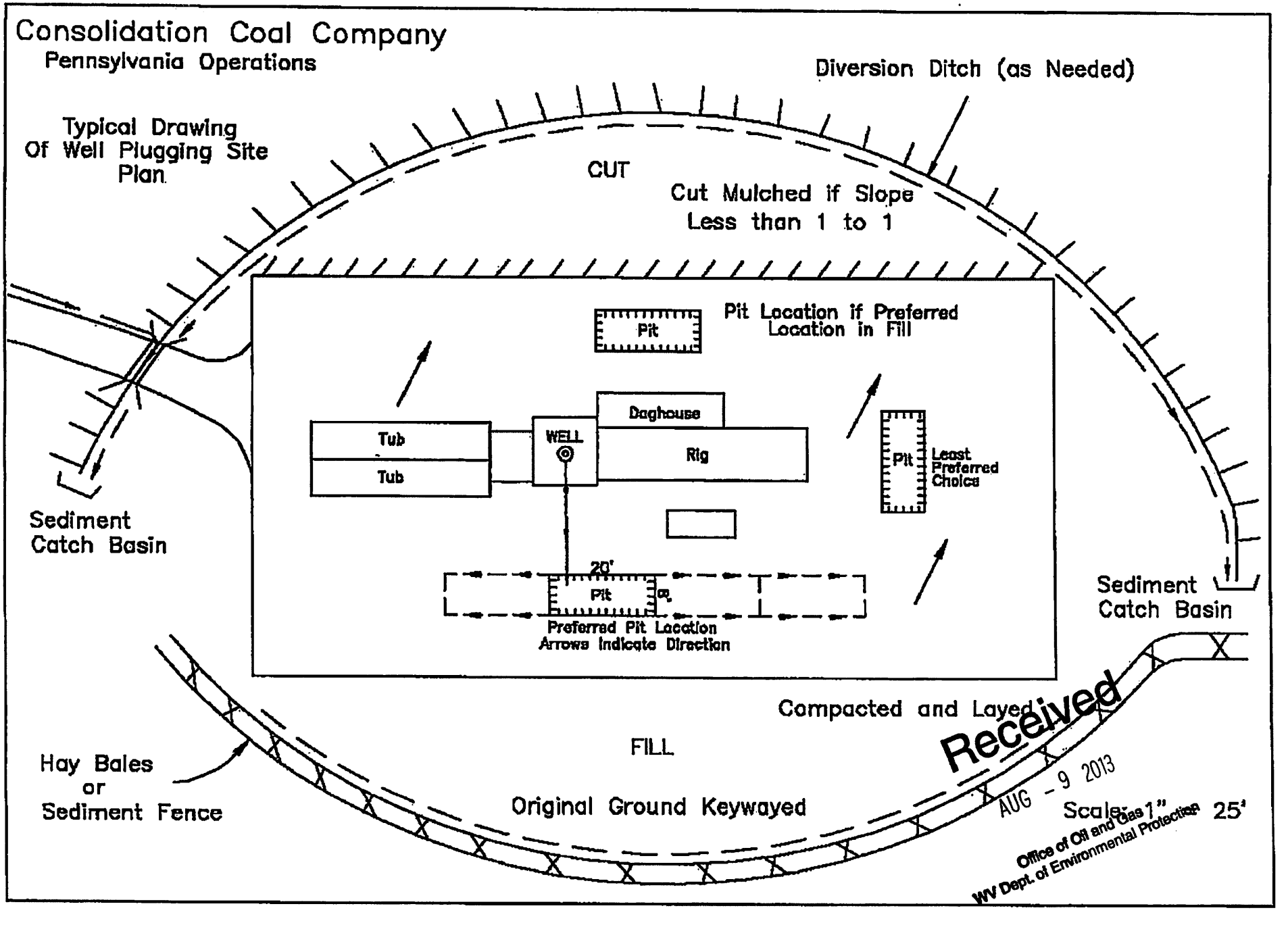
Office of Oil and Gas

AUG 9 2013

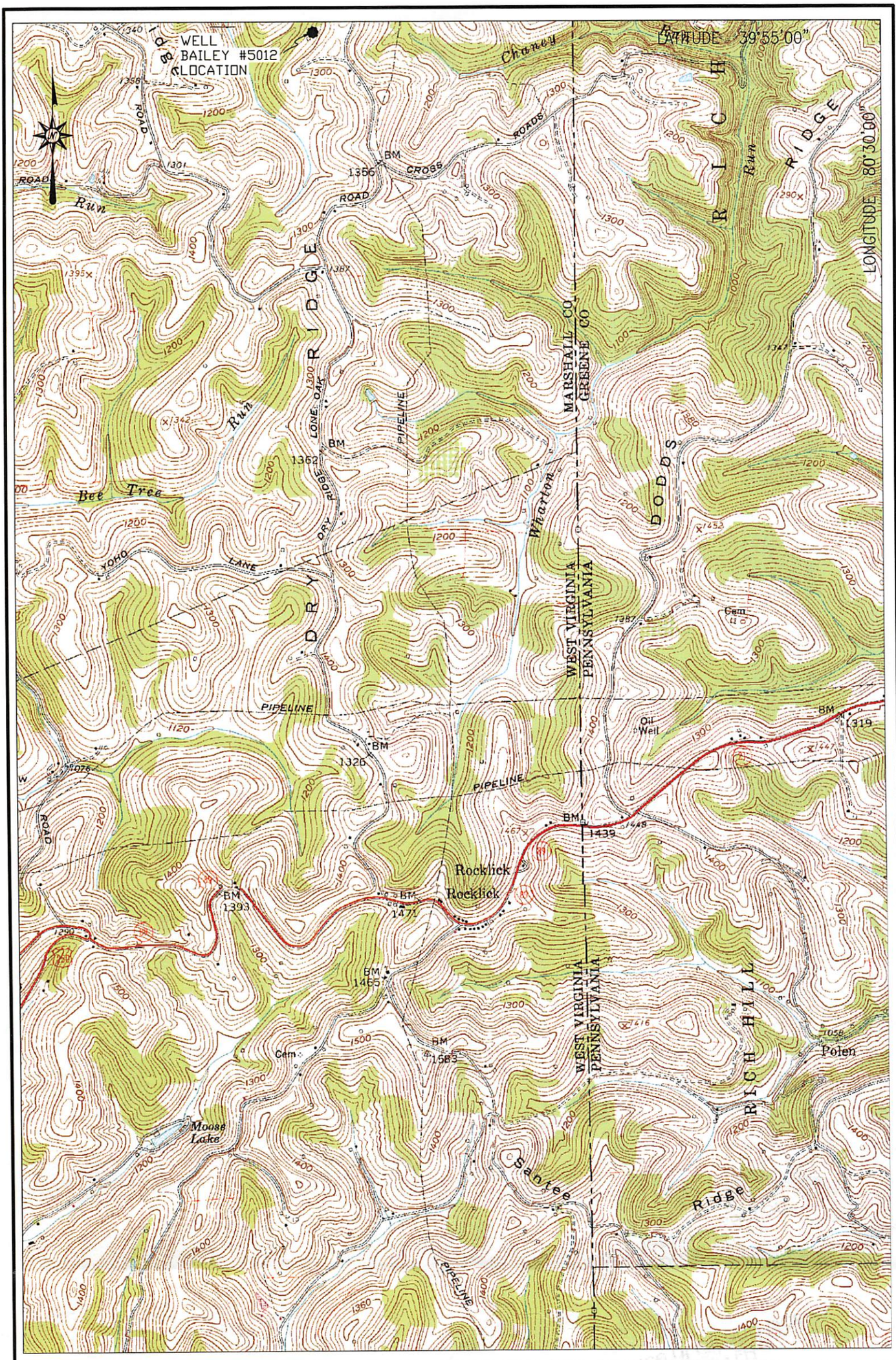
WV Department of
Environmental Protection

5106337P



Received
AUG - 9 2013
Office of Oil and Gas
WV Dept. of Environmental Protection

5100 3371

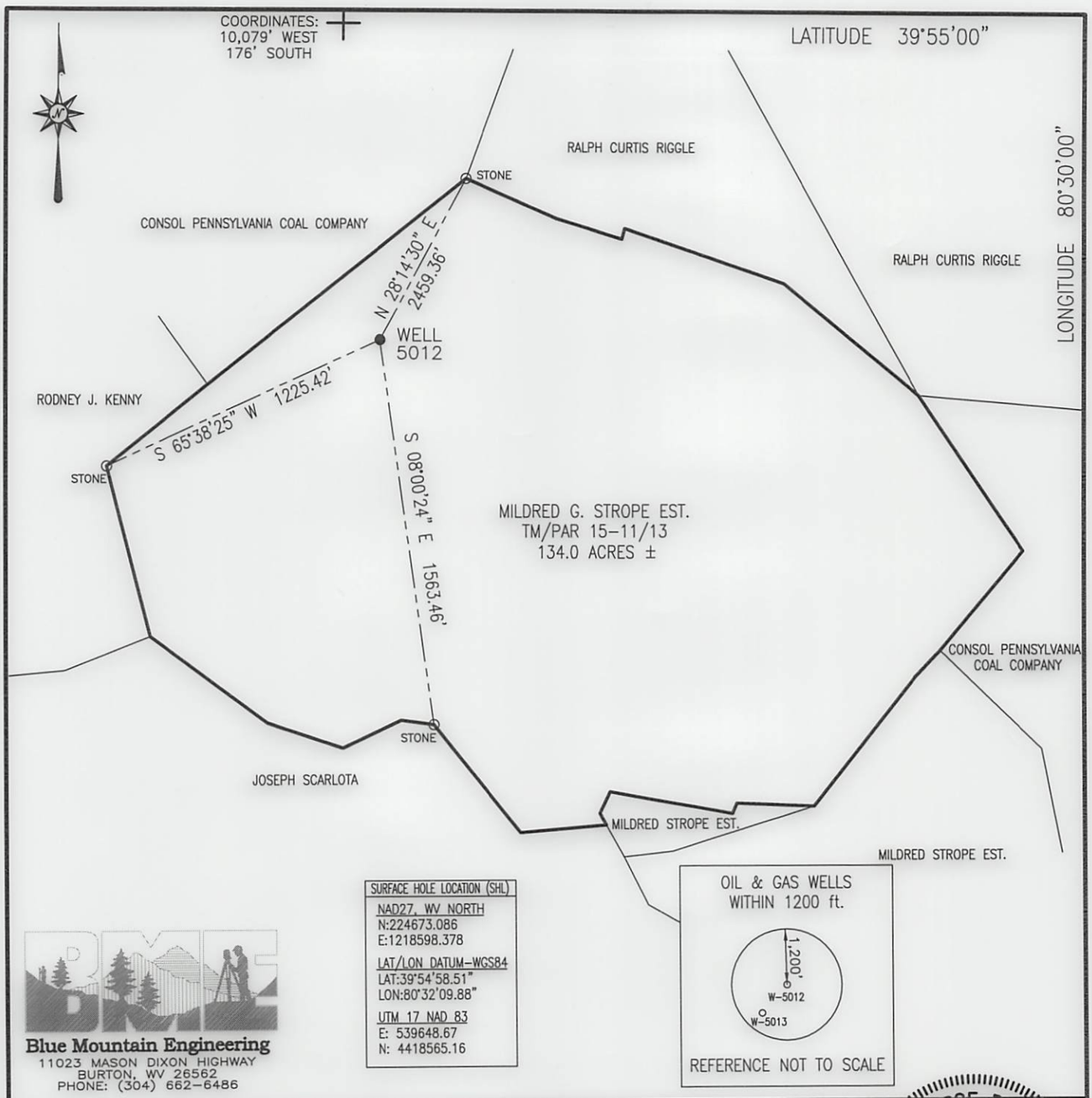


WELL #5012

MAJORSVILLE, WV–PA, U.S.G.S. 7.5 QUADRANGLE

SCALE 1" = 2000'

0' 2000' 4000' 6000'



Blue Mountain Engineering
11023 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662-6486

SURFACE HOLE LOCATION (SHL)
NAD27, WV NORTH
N:224673.086
E:1218598.378
LAT/LON DATUM-WGS84
LAT:39°54'58.51"
LON:80°32'09.88"
UTM 17 NAD 83
E: 539648.67
N: 4418565.16

OIL & GAS WELLS WITHIN 1200 ft.

REFERENCE NOT TO SCALE

FILE #: 5012

DRAWING #: 5012

SCALE: 1" = 600'

MINIMUM DEGREE OF ACCURACY: 1/2500

PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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 ENVIRONMENTAL PROTECTION.

Signed: _____

R.P.E.: _____ L.L.S.: P.S. No. 2000

GEORGE D. SIX LICENSED No. 2000 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

PLACE SEAL HERE

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

WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304

DATE: SEPTEMBER 7, 2012

OPERATOR'S WELL #: 5012

API WELL #: 47 (STATE) 51 (COUNTY) 00337 (PERMIT) P

Well Type: ☐ Oil ☐ Waste Disposal ☐ Production ☐ Deep
☒ Gas ☐ Liquid Injection ☒ Storage ☒ Shallow

WATERSHED: GRANNY RUN ELEVATION: 1260.97'

COUNTY/DISTRICT: MARSHALL/WEBSTER QUADRANGLE: MAJORSVILLE, WV-PA

SURFACE OWNER: MILDRED G. STROPE EST. ACREAGE: 134.0±

OIL & GAS ROYALTY OWNER: _____ ACREAGE: _____

DRILL ☐ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☐

PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☐ PLUG & ABANDON ☒

CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐ (SPECIFY): _____

TARGET FORMATION: NONE ESTIMATED DEPTH: _____

WELL OPERATOR CONSOL PENNSYLVANIA COAL COMPANY LLC
Address 1000 CONSOL ENERGY DRIVE
City CANONSBURG State PA Zip Code 15317

DESIGNATED AGENT DON TETER / DOUG DINGER
Address 1525 PLEASANT GROVE ROAD, BOX J
City CLAYSVILLE State PA Zip Code 15323