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**west virginia** department of environmental protection

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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

July 31, 2015

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-6100347, 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: LESTER W MCMILLEN 7127

Farm Name: McMILLEN, LESTER

**API Well Number: 47-6100347**

**Permit Type: Plugging**

Date Issued: 07/31/2015

## 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.

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### CONDITIONS

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.

1) Date \_\_\_\_\_, 2015  
2) Operator's  
Well No. Lester W McMillen #7127  
3) API Well No. 47-081 - 0347

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 \_\_\_\_ / Shallowx

5) Location: Elevation 2062.76 Watershed Deckers Creek  
District Morgan County Monongalia Quadrangle Morgantown South

6) Well Operator Consol Gas Company 7) Designated Agent Craig Neal  
Address 1000 Consol Energy Drive Address 1000 Consol Energy Drive  
Canonsburg, PA 15317 Canonsburg, PA 15317

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Gayne Knitowski Name Contractor Services Inc. (CSI)  
Address P.O. Box 108 Address 929 Charleston Rd.  
Gorman, WV 26720 Spencer, WV 25776

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

Please see attached pages.

Received  
Office of Oil & Gas  
JUN 26 2015

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

Work order approved by inspector Gayne Knitowski Date 6/15/2015

07/31/2015

Lester W McMillen #7127

API 47-061-0347

Morgan District

Monongalia County

Location: Morgantown South Northing: 388,418.33 (Nad83 WVN)

Easting: 1,859,584.56

Elevation: 2062.76

Proposed Plug & Abandonment Procedure:

The work order for the manner of plugging this well is as follows:

The wellbore will be cleaned out to the total depth <sup>90m</sup> ~~or attainable bottom~~. An attempt to remove all casing shall be made by pulling a minimum of 150% of the casing string weight. From the total depth or ~~attainable bottom~~ to the surface, casing will be removed so that only fully cemented casing strings will be left in the wellbore. Intact and un-cemented casing as determined by electronic logging shall be perforated, ripped, or milled at no greater than 100 ft. intervals from total depth or ~~attainable bottom~~, to the top of the casing. A borehole survey will be conducted to determine the top and bottom of any mineable coal seam. In addition, starting at a point 5 ft. below through 5 ft. above any mineable coal seam, any casing shall be ripped, cut, or perforated on no greater than 5 ft. intervals. Circulation will have been established using gelled water to the clean out depth. Expanding cement will be placed from the total depth or ~~attainable bottom~~ to 100 ft. above any mineable coal seam. From that point to the surface, Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives shall be used to fill the wellbore. A monument with the API number will be set on the wellbore at the surface. All plugging shall comply with WV Code Chapter 22 Article 6. The disturbed areas shall be graded, seeded and mulched as required. . Reclaim site ASAP.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division  
WELL RECORD

Quadrangle MORGANTOWN  
Permit No. MON-317

Rotary XX Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas XX  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Company <u>Consolidated Gas Supply Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Clarksburg, W. Va.</u>				
Farm <u>Leslie W. McMillan</u> Acres <u>21 1/2</u>				
Location (water) <u>Aaron Creek</u>				
Well No. <u>11731</u> Elev. <u>2051'</u>	Size <u>2 1/2-16</u>	<u>30'</u>	<u>30'</u>	To surface
District <u>Morgan</u> County <u>Monongalia</u>	Cond. <u>13-10"</u>			
This surface of tract is owned in fee by _____	<u>9 5/8</u>	<u>11 1/2</u>	<u>11 1/2</u>	To surface
Address _____	<u>8 5/8</u>			
Mineral rights are owned by _____	<u>7</u>			
Address _____	<u>5 1/2</u>			
Drilling Commenced <u>11-19-75</u>	<u>4 1/2</u>	<u>91 1/4</u>	<u>91 1/4</u>	360 bags
Drilling Completed <u>12-11-75</u>	<u>3</u>			
Initial open flow <u>No test</u> cu. ft. _____ bbls.	<u>2</u>			
Final production <u>3,033 M</u> cu. ft. per day _____ bbls.	Liners Used			
Well open <u>1 1/2</u> days _____ hrs. before test <u>3186#</u> RP.				

Well treatment details: Attach copy of cementing record.  
Well fractured with 80,000# sand 2600 bbl water, 1,000 GHP and 500 gal acid.  
Perforations: 7818-7864', 7876-7891', 7896-7913', 7951'-7972' & 8032'-8054'

Coal was encountered at None Feet \_\_\_\_\_ Inches \_\_\_\_\_  
 Fresh water 95' Feet \_\_\_\_\_ Salt Water show @ 11,00' Feet \_\_\_\_\_  
 Producing Sand Chert-Oriskany Depth See Log

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Sand & Shale			0	1175	Water	11,00' Salt
Red Rock			1175	1500		
Sand & Shale			1500	1985		
Sand			1985	1921		
Sand & Shale			1921	2863		
Sand			2863	3105		
Sand & Shale			3105	7020		
Shale			7020	7401		
Tully Limestone			7401	7630		
Shale			7630	7900		
ONONDAGA			7900	7825		
Chert			7825	8027	Gas	See perfs
ORISKANY			8027	8080	Gas	See perfs
Helderberg Lime			8080	8180		
Total Depth				8180'		

Received  
 Office of Oil & Gas  
 JUN 26 2015

Consolidated Gas Supply Corporation  
 115 West Main Street  
 Clarksburg, W. Va.

\* Indicates Electric Log tops in the remarks section.

(over)

1) Date: \_\_\_\_\_  
2) Operator's Well Number  
Lester W McMillen #7127  
3) API Well No.: 47 - 061 - 0347

**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>The Clarkson Roy B Legacy Protector Trust</u>	Name <u>n/a</u>
Address <u>142 W Jackson St</u>	Address _____
<u>Westover, WV 26505-4431</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>The Clarkson Roy B Legacy Protector Trust</u>
_____	Address <u>142 W Jackson St</u>
(c) Name _____	<u>Westover, WV 26505-4431</u>
Address _____	Name _____
_____	Address _____
6) Inspector <u>Gayne Knitowski</u>	(c) Coal Lessee with Declaration
Address <u>P.O. Box 108</u>	Name <u>n/a</u>
<u>Gormanian, WV 26720</u>	Address _____
Telephone <u>304-546-8171</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 Consol Gas Company

By: Craig Neal

Its: VP Northern App Gas Ops

Address 1000 Consol Energy Drive

Canonsburg, PA 15317

Telephone 724-485-3116

Received  
Office of Oil & Gas  
JUN 26 2015

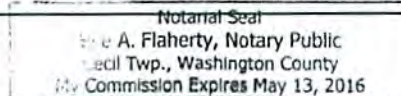
Subscribed and sworn before me this 3rd day of June, 2015

Eve A. Flaherty

Notary Public

My Commission Expires 5/13/2016

COMMONWEALTH OF PENNSYLVANIA



**Oil and Gas Privacy Notice**

The Office of Oil and Gas processes your personal information, including your 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](mailto:depprivacyofficer@wv.gov).

WW-9  
(2/15)

API Number 47 - 061 - 0347  
Operator's Well No. Lester W McMillen #7127

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Consol Gas Company OP Code 494495754

Watershed (HUC 10) Deckers Creek Quadrangle Morgantown South

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes  No

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: N/A

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? N/A

Proposed Disposal Method For Treated Pit Wastes:

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

Will closed loop system be used? If so, describe: Closed loop system utilized to tank for storage

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

-If oil based, what type? Synthetic, petroleum, etc.

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Hauled off site for disposal

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) \_\_\_\_\_

-Landfill or offsite name/permit number? Hauled fluid/mud to Consol Impoundment: ID# CRD30020701 Area 3

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

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.

Received  
Office of Oil & Gas  
JUN 26 2015

Company Official Signature *Craig Neal*

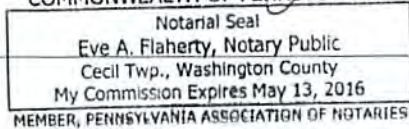
Company Official (Typed Name) Craig Neal

Company Official Title VP Northern App Gas Ops, Consol Gas Company

Subscribed and sworn before me this 3rd day of June, 20 15

*Eve A. Flaherty* Notary Public  
COMMONWEALTH OF PENNSYLVANIA

My commission expires 5/13/2016



07/31/2015

**Consol Gas Company**

Proposed Revegetation Treatment: Acres Disturbed less than 1 acre Prevegetation pH \_\_\_\_\_

Lime 2-3 Tons/acre or to correct to pH \_\_\_\_\_

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch hay or straw 2 Tons/acre

**Seed Mixtures**

**Temporary**

**Permanent**

Seed Type	lbs/acre
Tall Fescue	40
Landino Clover	5

Seed Type	lbs/acre
Tall Fescue	40
Landino Clover	5

**Attach:**

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: \_\_\_\_\_

*[Handwritten Signature]*

Comments: \_\_\_\_\_

Return site ASAP

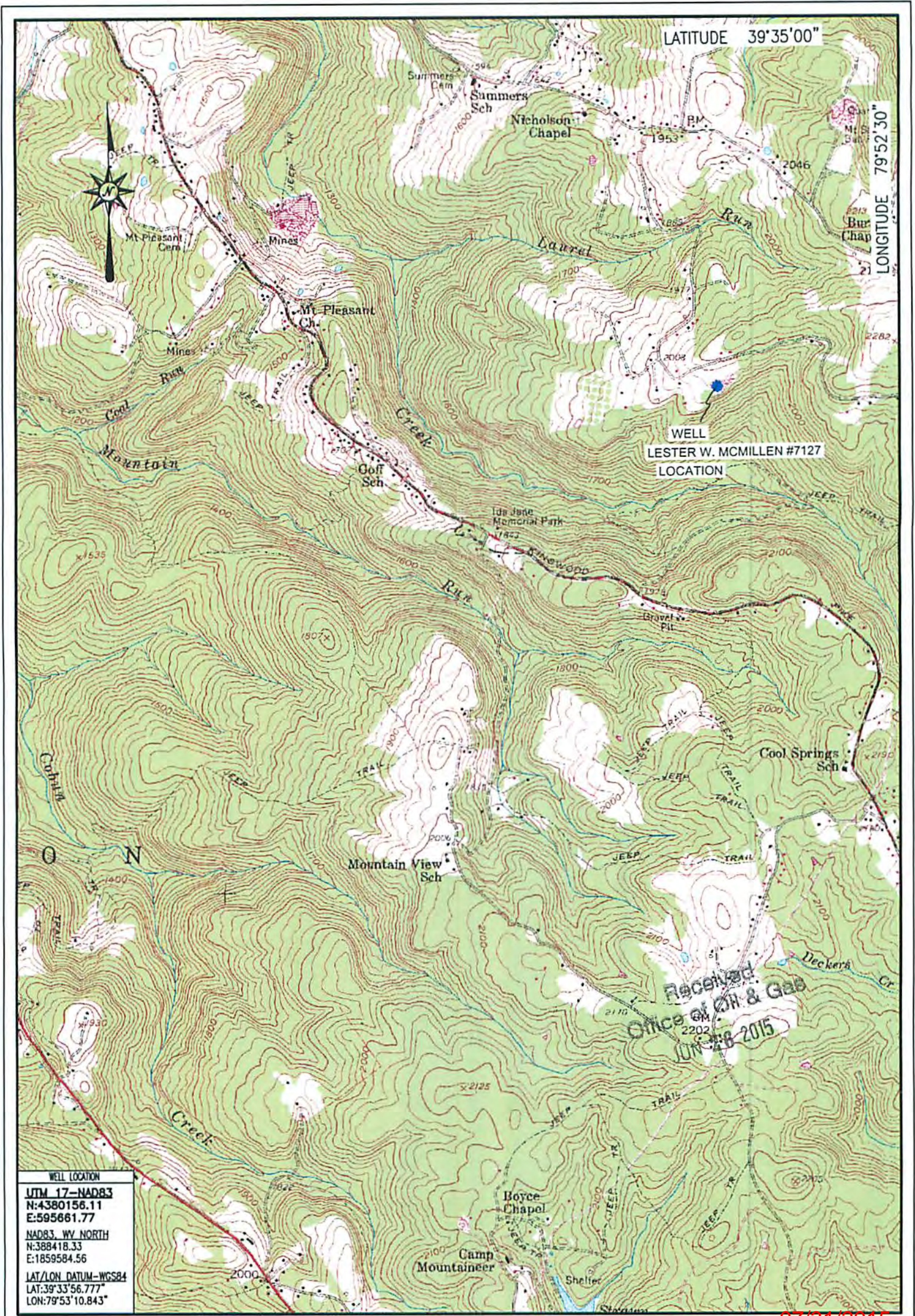
**Received  
Office of Oil & Gas  
JUN 26 2015**

Title: Inspector

Date: 6/15/2015

Field Reviewed?  Yes  No





WELL LOCATION  
 UTM 17-NAD83  
 N:4380156.11  
 E:595661.77  
 NAD83, WV NORTH  
 N:388418.33  
 E:1859584.56  
 LAT/LON DATUM=WGS84  
 LAT:39°33'56.777"  
 LON:79°53'10.843"

07/31/2015

LOCATION MAP  
JUNE 1, 2015

**Blue Mountain Inc.**  
 10125 MASON DIXON HIGHWAY  
 BURTON, WV 26562  
 PHONE: (304) 662-6486

LESTER W. MCMILLEN #7127  
 MORGANTOWN SOUTH QUADRANGLE  
 WEST VIRGINIA

SCALE 1" = 2000'  
 0' 2000' 4000' 6000'

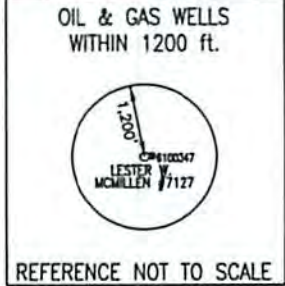
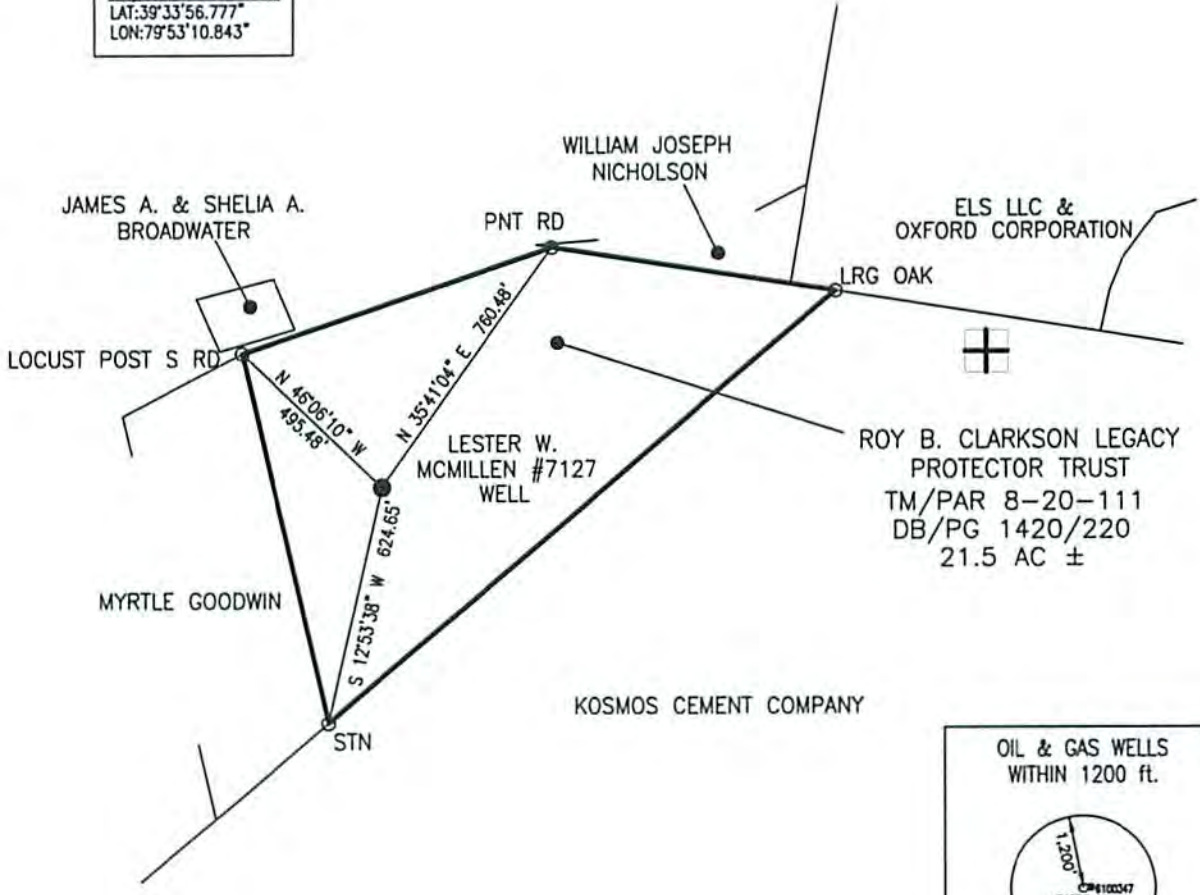


Well is located on topo map 6,397 feet south of Latitude: 39° 35' 00"

Well is located on topo map 3,198 feet west of Longitude: 79° 52' 30"



WELL LOCATION	
UTM 17-NAD83	
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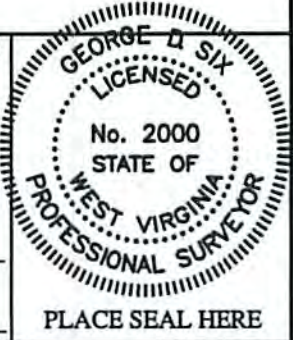
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NOTE:  
 It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

FILE #: LESTER W. MCMILLEN #7127  
 DRAWING #: LESTER W. MCMILLEN #7127  
 SCALE: 1" = 500'  
 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: [Signature]  
 R.P.E.: \_\_\_\_\_ L.L.S.: P.S. No. 2000



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304



DATE: JUNE 1, 2015  
 OPERATOR'S WELL #: LESTER W. MCMILLEN #7127  
 API WELL #: 47 061 00347  
 STATE COUNTY PERMIT

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

WATERSHED: DECKERS CREEK ELEVATION: 2062.76'

COUNTY/DISTRICT: MONONGALIA / MORGAN QUADRANGLE: MORGANTOWN SOUTH, WV

SURFACE OWNER: ROY B. CLARKSON LEGACY PROTECTOR TRUST ACREAGE: 21.5±

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: ORISKANY ESTIMATED DEPTH: 8,180±

WELL OPERATOR CONSOL GAS COMPANY DESIGNATED AGENT CRAIG NEAL  
 Address 1000 CONSOL ENERGY DRIVE Address 1000 CONSOL ENERGY DRIVE  
 City CANONSBURG State PA Zip Code 15317 City CANONSBURG State PA Zip Code 15317

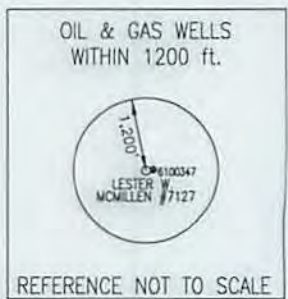
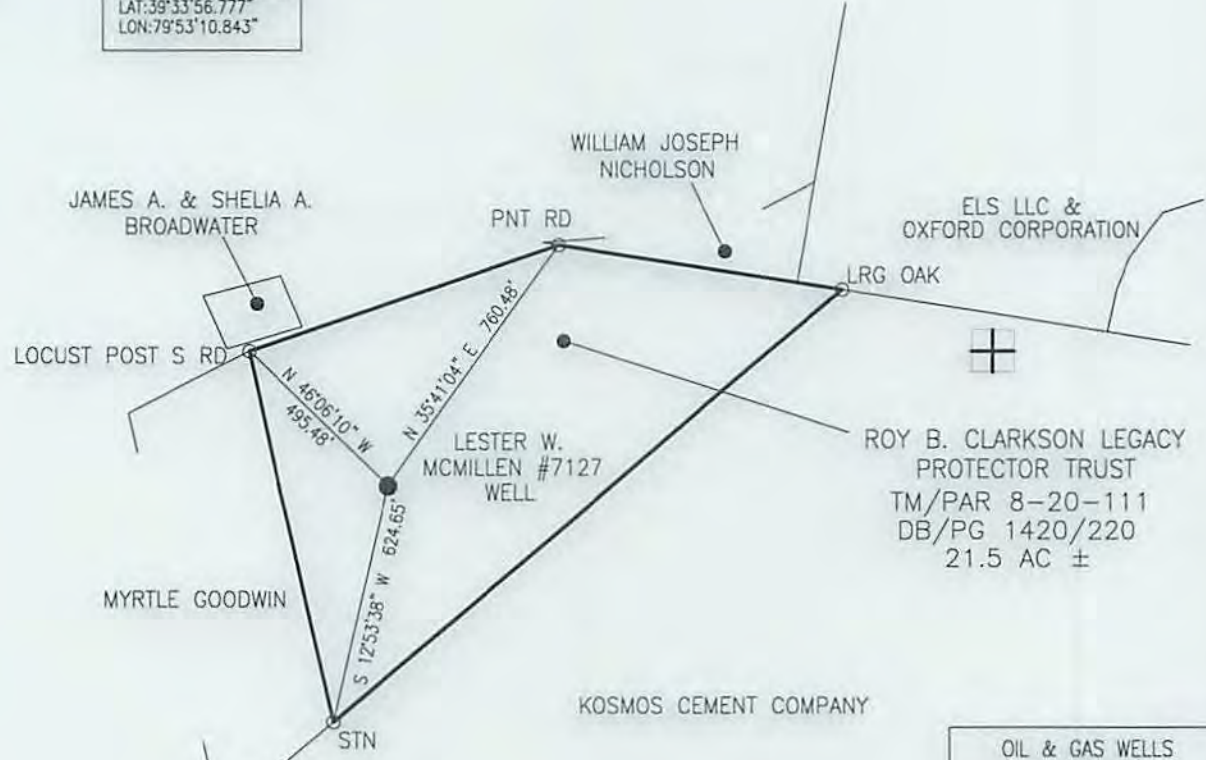
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Signed: *George D. Six*  
 R.P.E.: \_\_\_\_\_ L.L.S.: P.S. No. 2000



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304



DATE: JUNE 1, 2015  
 OPERATOR'S WELL #: LESTER W. MCMILLEN #7127  
 API WELL #: 47 061 00347 P  
 STATE COUNTY PERMIT

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

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SURFACE OWNER: ROY B. CLARKSON LEGACY PROTECTOR TRUST ACREAGE: 21.5±

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 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY): \_\_\_\_\_

TARGET FORMATION: ORISKANY ESTIMATED DEPTH: 8,180±

WELL OPERATOR CONSOL GAS COMPANY DESIGNATED AGENT CRAIG NEAL  
 Address 1000 CONSOL ENERGY DRIVE Address 1000 CONSOL ENERGY DRIVE  
 City CANONSBURG State PA Zip Code 15317 City CANONSBURG State PA Zip Code 15317