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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 07, 2015

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-3901754, issued to CHESAPEAKE APPALACHIA, L.L.C., 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: 9033  
Farm Name: BLUE CK COAL & LAND  
**API Well Number: 47-3901754**  
**Permit Type: Plugging**  
Date Issued: 07/07/2015

**Promoting a healthy environment.**

## 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

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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.

FORM WW-4 (B)  
Observe  
File Copy  
(Rev. 2/01)

1) Date: 5/21/2015  
2) Operator's Well No. 809033 P&A  
3) API Well No. 47-039-01754

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 \_\_\_\_\_  
 (Is Gas, Production X or Underground storage \_\_\_\_\_) Deep \_\_\_\_\_ Shallow X
- 5) Location: Elevation 1,246' Watershed Rockcamp Fork  
 District Elk County Kanawha Quadrangle Clendenin, WV 7.5'
- 6) Well Operator Chesapeake Appalachia, L.L.C. 7) Designated Agent Jessica Greathouse  
 Address P.O. Box 18496 Address P.O. Box 6070  
Oklahoma City, OK 73154-0496 Charleston, WV 25362
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
 Name Terry Urban Name Chesapeake Appalachia, L.L.C.  
 Address P.O. Box 1207 Address P.O. Box 18496  
Clendenin, WV 25045 Oklahoma City, OK 73154-0496

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

See Attached Sheet

SEE Attached plugging  
prog.

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

Work Order approved by Inspector [Signature] Date 6-1-15

Received

JUN - 1 2015

Office of Oil and Gas  
WV Dept. of Environmental Protection

809033 P&A PROCEDURE

- 1) Prepare road and location, MIRU service rig
- 2) Run in hole with tools to check TD (approximately 2215')
- 3) TIH with W.S. to 2200', spot gel, spot 300' cement plug 2200'-1900', pull W.S.
- 4) Cut 4 1/2" at free-point (approximately 1750') and pull. If unable to pull at least 1700' of 4 1/2", then shoot or rip holes approximately at 1725' and 1690'. Spot 100' cement plug 1750'-1650'.
- 5) If 4 1/2" was not pulled in step 4, then attempt to cut approximately at 1150', and pull
- 6) Run W.S. to 1150', spot gel
- 7) Spot 150' cement plug 1150'-1000', pull W.S.
- 8) Attempt to pull 8 5/8"
  - A) If successful
    - a) Run W.S. to 850', spot gel
    - b) Spot 100' cement plug 850'-750'
    - c) Proceed to step 9
  - B) If unsuccessful
    - a) Rip or shoot holes in 8 5/8" approximately at 770'
    - b) Run W.S. to 850', spot gel
    - c) Spot 100' cement plug 850'-750', pull W.S.
    - d) Cut 8 5/8" at free-point approximately at 375', and pull
    - e) Proceed to step 9
- 9) Run or pull W.S. to 375', spot gel
- 10) Spot 200' cement plug 375'-175', pull W.S. to 100'
- 11) Spot 100' cement plug 100'-surface
- 12) Pull W.S. and top off with cement
- 13) Erect monument and reclaim as prescribed by law

Set plug from TD to 1800 ft

Will spot cement at all Rips be plugs

Will set corks plug #1 1235 ft AS per Casey Records

Will make Decisions on Rest of plugging during process

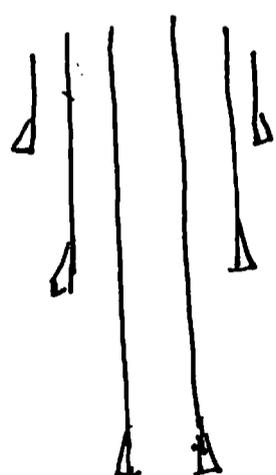
*[Signature]* 6-1-15

Received

JUN - 1 2015

Office of Oil and Gas WV Dept. of Environmental Protection

1235 Elevator



2018 10 3/4

807 85/8

2257 4 1/2 CS9



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Well # 809033  
API # 47-039-01754P

Page 7 of 2

Quadrangle Clendenin  
Permit No. KAN-1754

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company United Fuel Gas Company  
Address P.O. Box 1273; Charleston 25, W. Va.  
Farm Blue Creek Coal & Land Co. Acres 29,768  
Location (waters) Rockcamp Fork  
Well No. 9033 Elev. 1235.40  
District Elk County Kanawha  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by Union Carbide Chemicals  
1106 Security Bldg. Address Charleston, W. Va.  
Drilling commenced 4-19-61  
Drilling completed 5-19-61  
Date Shot - \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow 6 /10ths Water in 3 Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume 232,000 - Weir Cu. Ft.  
Rock Pressure 445 lbs. 48 hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_

| Casing and Tubing | Used in Drilling | Left in Well | Packers              |
|-------------------|------------------|--------------|----------------------|
| Size              |                  |              |                      |
| 16                |                  |              | Kind of Packer _____ |
| 13                |                  |              |                      |
| 10 3/4            |                  | 20'          | Size of _____        |
| 8 5/8             |                  | 807          |                      |
| Co 7"             | 1880'            | Pulled       | Depth set _____      |
| 5 3/16            |                  |              |                      |
| 2 1/2             | Cemented         | 2257'        | Perf. top _____      |
| 2                 |                  |              | Perf. bottom _____   |
| Liners Used       |                  |              | Perf. top _____      |
|                   |                  |              | Perf. bottom _____   |

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
COAL WAS ENCOUNTERED AT 238 FEET 48 INCHES  
802 FEET 24 INCHES FEET \_\_\_\_\_ INCHES  
FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

WELL FRACTURED \_\_\_\_\_

RESULT AFTER TREATMENT \_\_\_\_\_

ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_

Fresh Water 200 Feet 350 Salt Water \_\_\_\_\_ Feet

| Formation      | Color | Hard or Soft | Top  | Bottom | Oil, Gas or Water                    | Depth       | Remarks                               |
|----------------|-------|--------------|------|--------|--------------------------------------|-------------|---------------------------------------|
| Broken Sand    |       |              | 0    | 85     |                                      |             |                                       |
| Slate          |       |              | 85   | 97     | Water 200'                           | 2           | bailers per hours                     |
| Broken Sand    |       |              | 97   | 173    |                                      |             |                                       |
| Sand           |       |              | 173  | 238    | Hole full water                      | 350'        |                                       |
| Coal           |       |              | 238  | 242    |                                      |             |                                       |
| Slate          |       |              | 242  | 252    | Show gas                             | 1070'       |                                       |
| Broken Sand    |       |              | 252  | 370    |                                      |             |                                       |
| Lime           |       |              | 370  | 455    | Gas 1930'                            | 6/10 W 1"   | 26 M                                  |
| Sand           |       |              | 455  | 582    |                                      |             |                                       |
| Slate & Shells |       |              | 582  | 802    | Gas 2090'                            | 12/10 W 1"  | 37 M                                  |
| Coal           |       |              | 802  | 804    |                                      |             |                                       |
| Slate & Shells |       |              | 804  | 980    | Perforated from                      | 2090-2093', | 2097-2098',                           |
| Broken Sand    |       |              | 980  | 1002   |                                      |             | 2102-2103', 2168-2169', 2183-2184',   |
| Slate & Shells |       |              | 1002 | 1055   |                                      |             | 2191-2192', 2194-2200', 2206-2206 1/2 |
| Broken Sand    |       |              | 1055 | 1120   |                                      |             | and 2216'                             |
| Slate          |       |              | 1120 | 1148   |                                      |             |                                       |
| Broken Sand    |       |              | 1148 | 1160   |                                      |             |                                       |
| Salt Sand      |       |              | 1160 | 1510   | Test before fracture                 | 2/10 W 1"   | 15 M                                  |
| Slate & Shells |       |              | 1510 | 1560   | Fractured Weir                       | 5-24-61     | with 630 bbls.                        |
| Lime           |       |              | 1560 | 1595   | water, 1500 gallons acid and 23,000# |             | 240-20-40 sand.                       |
| Sand           |       |              | 1595 | 1660   | Final open flow                      | 6/10 W 3"   | 232 M                                 |
| Red Rock       |       |              | 1660 | 1665   |                                      |             |                                       |
| Slate & Shells |       |              | 1665 | 1690   |                                      |             |                                       |
| Red Rock       |       |              | 1690 | 1697   |                                      |             |                                       |
| Slate & Shells |       |              | 1697 | 1777   | Shut in                              | 5-31-61     | in 4 1/2" tubing.                     |
| Maxon          |       |              | 1777 | 1824   |                                      |             |                                       |
| Little Lime    |       |              | 1824 | 1845   | LOGS RUN:                            |             |                                       |
| Slate          |       |              | 1845 | 1855   | Gamma Ray                            |             |                                       |
| Lime           |       |              | 1855 | 1870   | G. G. Density                        |             |                                       |
| Pencil Cave    |       |              | 1870 | 1876   | Temperature                          |             |                                       |



(over)

Received  
Office of Oil & Gas  
MAY 26 2015

Well # 809033  
 API# 47-039-01754P

| Formation      | Color | Hard or Soft | Top // | Bottom | Oil, Gas or Water | Depth Found | Remarks     |
|----------------|-------|--------------|--------|--------|-------------------|-------------|-------------|
| Big Lime       |       |              | 1876   | 2051   |                   |             | Page 2 of 2 |
| Injun          |       |              | 2051   | 2080   |                   |             |             |
| Squaw          |       |              | 2080   | 2086   |                   |             |             |
| Broken Sand    |       |              | 2086   | 2152   |                   |             |             |
| Weir           |       |              | 2152   | 2214   |                   |             |             |
| Slate & Shells |       |              | 2214   | 2261   |                   |             |             |
| Total Depth    |       |              | 2261'  |        |                   |             |             |

Date August 15, 1961

APPROVED UNITED FUEL GAS COMPANY, Owner

By S.R. Ferrell  
 (Title)  
 Supt., Civil Engineering Dept.

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT  
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:  
(a) Name Blue Eagle Land LLC  
Address Attn: Dave Hancock  
P.O. Box 58370  
Charleston, WV 25358  
(b) Name Clonch Industries  
Address P.O. Box 283  
Dixie, WV 25059  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Terry Urban  
Address P.O. Box 1207  
Clendenin, WV 25045  
Telephone 304-389-7583

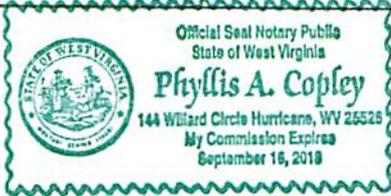
5) Coal Operator  
(a) Name None  
Address \_\_\_\_\_  
Coal Owner(s) with Declaration  
(b) Name Blue Eagle Land LLC  
Address Attn: Dave Hancock  
P.O. Box 58370  
Charleston, WV 25358  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
Coal Lessee with Declaration  
(c) Name Patriot Coal  
Address 63 Corporate Center Drive  
P.O. Box 1001  
Scott Depot, WV 25560

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 the 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 the 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: Chesapeake Appalachia, L.L.C.  
By: [Signature]  
Its: Completion Superintendent  
Address: P.O. Box 18496  
Oklahoma City, OK 73154-0496  
Telephone: 405-935-4073

Subscribed and sworn before me this 21st day of May the year of 2015  
Phyllis A. Copley Notary Public  
My Commission Expires September 16, 2018

Received  
Office of Oil & Gas  
MAY 26 2015

3901754A

Form WW-9  
Rev. 02/01

API Number 47-039-01754  
Operator's Well No. 809033 P&A

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 Chesapeake Appalachia, L.L.C. OP Code 494477557  
Watershed Rockcamp Fork Quadrangle Clendenin, WV 7.5'  
Elevation 1,246' County Kanawha District Elk

Description of anticipated Pit Waste: Plugging Returns/Cement

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 \_\_\_\_\_ )
- 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
- Workover
- Swabbing
- Plugging
- Other (Explain \_\_\_\_\_ )

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on December 31, 1999, 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 R.E. Schindler

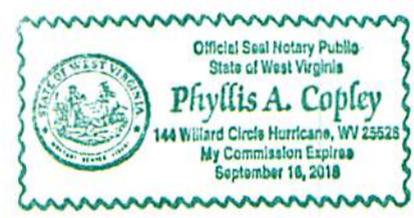
Company Official (Typed Name) Robert Schindler

Company Official Title Completion Superintendent

Subscribed and sworn before me this 21st day of May, 2015.

Phyllis A. Copley Notary Public.

My Commission Expires September 16, 2018



Received

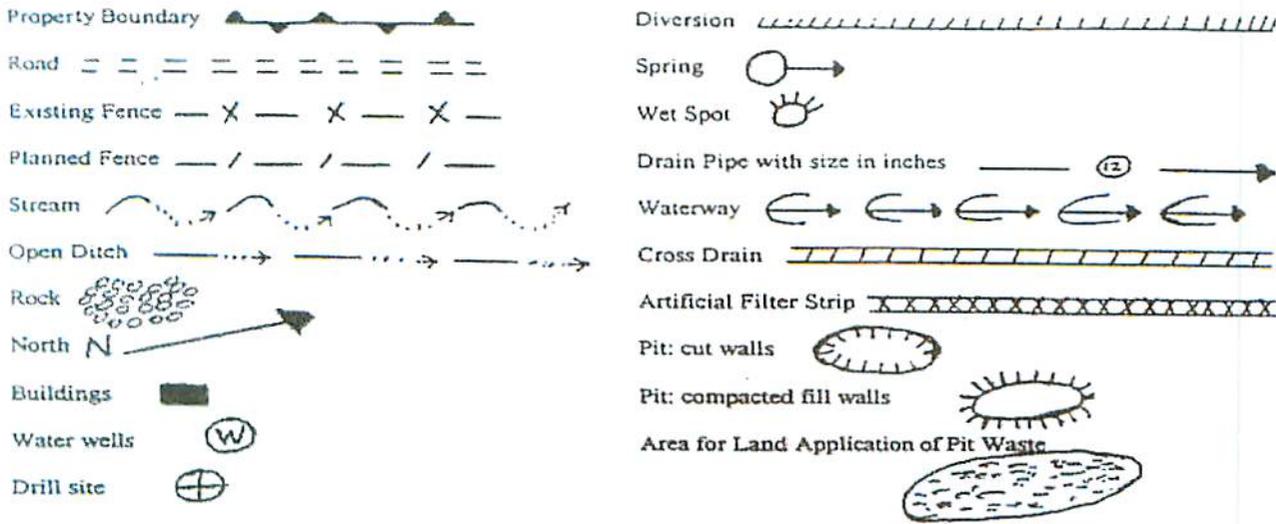
JUN - 1 2015

Office of Oil and Gas  
WV Dept. of Environmental Protection

Attachment #1

API #: 47-039-01754  
 Operator's Well No. 809033 P&A

LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1.0 Prevegetation pH 6.1

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 1/3 TON lbs/acre (500 lbs minimum)

Mulch Hay 2 Tons/acre

Seed Mixtures

| Area I                      |          | Area II       |          |
|-----------------------------|----------|---------------|----------|
| Seed Type                   | lbs/acre | Seed Type     | lbs/acre |
| CHESAPEAKE CONTRACTOR'S MIX | 40       | ORCHARD GRASS | 15       |
| ALSIKE CLOVER               | 5        | ALSIKE CLOVER | 5        |
| ANNUAL RYE                  | 15       |               |          |

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

Photocopied section of involved 7.5' topographic sheet.

*Dutch Ridge*

Plan Approved by: *[Signature]*

Title: *Field Drapery and Cores*

Date: *6-1-15*

Field Reviewed? (  ) Yes (  ) No

Received

JUN - 1 2015

Office of Oil and Gas  
 WV Dept. of Environmental Protection

3901754A

# CHESAPEAKE APPALACHIA, L.L.C.

RECLAMATION DIAGRAM  
WELL LOCATION 809033

API 47-039-01754



*Dutenberg*  
*Ang W. H. H.*  
*6-1-15*

### GENERAL NOTES

This drawing is a schematic representation of the well site and access road. Proposed structures such as well site, drilling pit, roadways, culverts, sediment barriers, etc. are shown in approximate pre-planning configurations.

All culvert pipes will be a minimum of 15 inches in diameter. All culvert pipes installed will be accompanied by an entrance sump with dimensions no less than 3 feet (width) x 3 feet (length) x 4 feet (deep). Culverts will be installed at an angle to ensure proper flow. The outfall of culverts will be protected from erosion and sedimentation using large rocks or other sediment controls deemed necessary in the prevention of erosion and sedimentation. Storm water from the ditches to the culverts will be directed to stable natural vegetative areas. Where culverts are not practical, operator will have other sediment control in place to minimize erosion sedimentation.

Cross drains, broad based dips, water bars, and diversion ditches, will be employed during the construction phase. These erosion and sediment control structures will be used to control erosion and sedimentation during the construction phase, where applicable, and in areas that will allow. These structures will be considered permanent and used as such.

Permanent seeding: See Attachment #1.

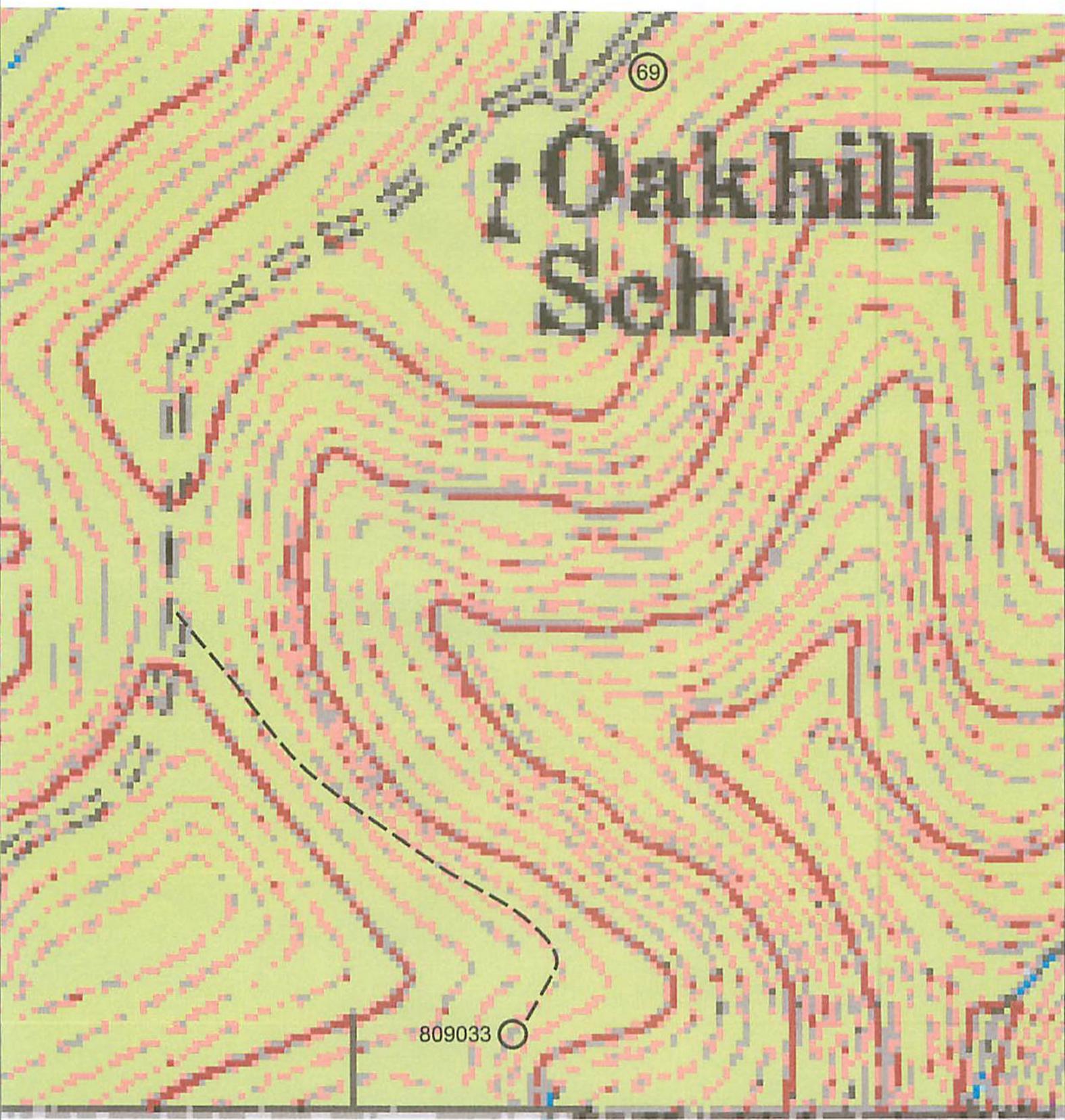
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Office of Oil and Gas  
 WV Dept. of Environmental Protection

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CHESAPEAKE APPALACHIA, L.L.C.  
TOPOGRAPHICAL MAP OF ACCESS AND  
WELL LOCATION 809033  
API 47-039-01754



20' 471

Received  
Office of Oil & Gas  
MAY 26 2015

3901754P

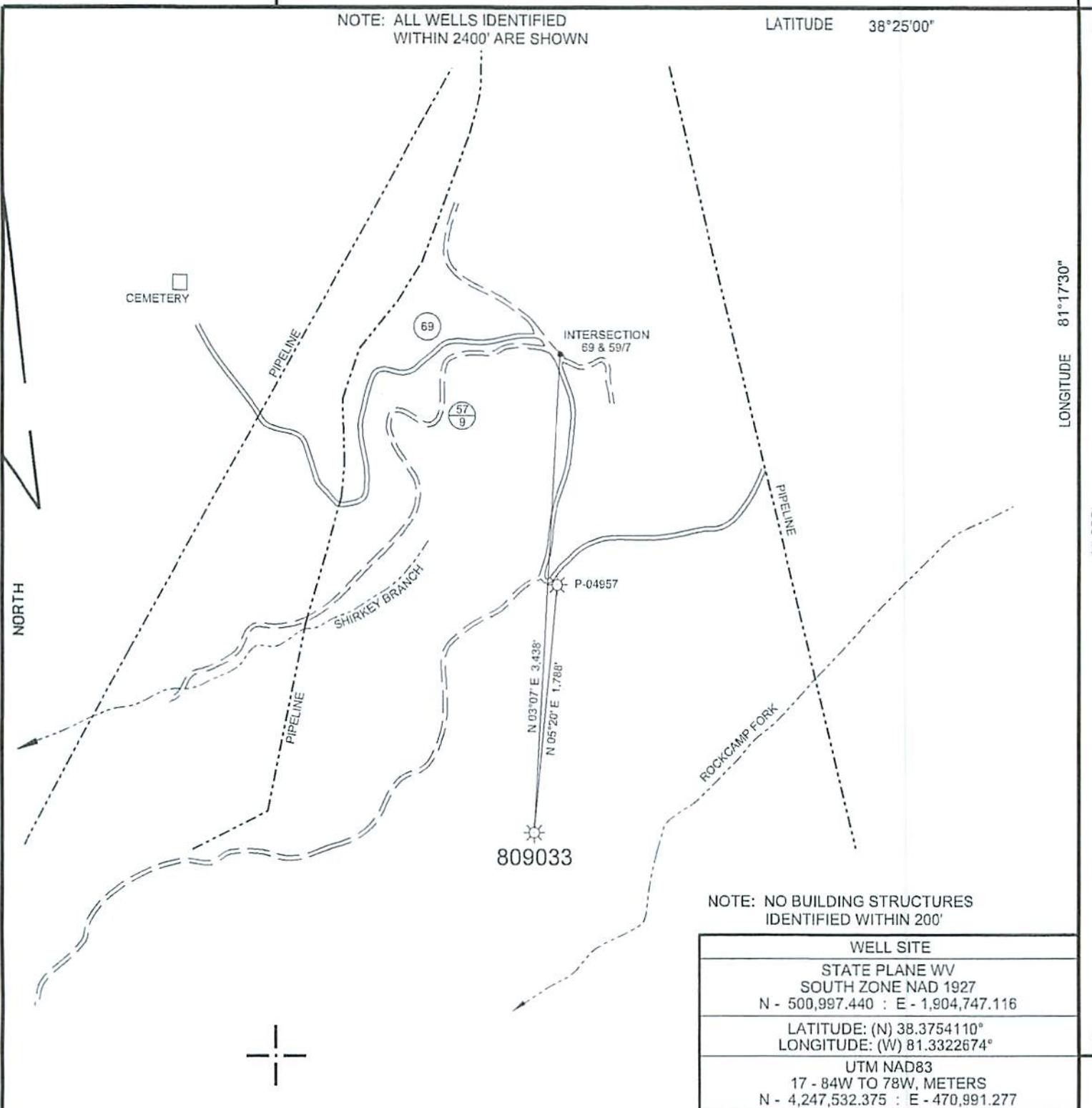
11,662'

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

LATITUDE 38°25'00"

LONGITUDE 81°17'30"

15,032'



NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

| WELL SITE  |  |
|--|--|
| STATE PLANE WV<br>SOUTH ZONE NAD 1927<br>N - 500,997.440 : E - 1,904,747.116 |  |
| LATITUDE: (N) 38.3754110°<br>LONGITUDE: (W) 81.3322674°                      |  |
| UTM NAD83<br>17 - 84W TO 78W, METERS<br>N - 4,247,532.375 : E - 470,991.277  |  |

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

FILE NO. CA809033P&A.DGN  
 DRAWING NO. CA809033 P&A  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 : 200  
 PROVEN SOURCE OF ELEVATION MAPPING GRADE GPS

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) Paul E. Miller  
 R.P.E. \_\_\_\_\_ L.L.S. 647



STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OIL AND GAS DIVISION



DATE APRIL 30, 2015  
 OPERATOR'S WELL NO. 809033  
 API WELL NO. 47 039 01754 P  
 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1,246' WATER SHED ROCKCAMP FORK  
 DISTRICT ELK COUNTY KANAWHA

QUADRANGLE CLENDENIN, WV 7.5'  
 SURFACE OWNER BLUE EAGLE LAND, LLC ACREAGE --  
 OIL & GAS ROYALTY OWNER ----- LEASE ACREAGE --

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON  CLEAN OUT AND REPLUG   
 TARGET FORMATION \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR CHESAPEAKE APPALACHIA, L.L.C. DESIGNATED AGENT JESSICA GREATHOUSE  
 ADDRESS P.O. BOX 18496, OKLAHOMA CITY, OK 73154-0496 ADDRESS CHESAPEAKE APPALACHIA, L.L.C. PO BOX 6070, CHARLESTON, WV 25362

FORM WW-6

COUNTY NAME

PERMIT

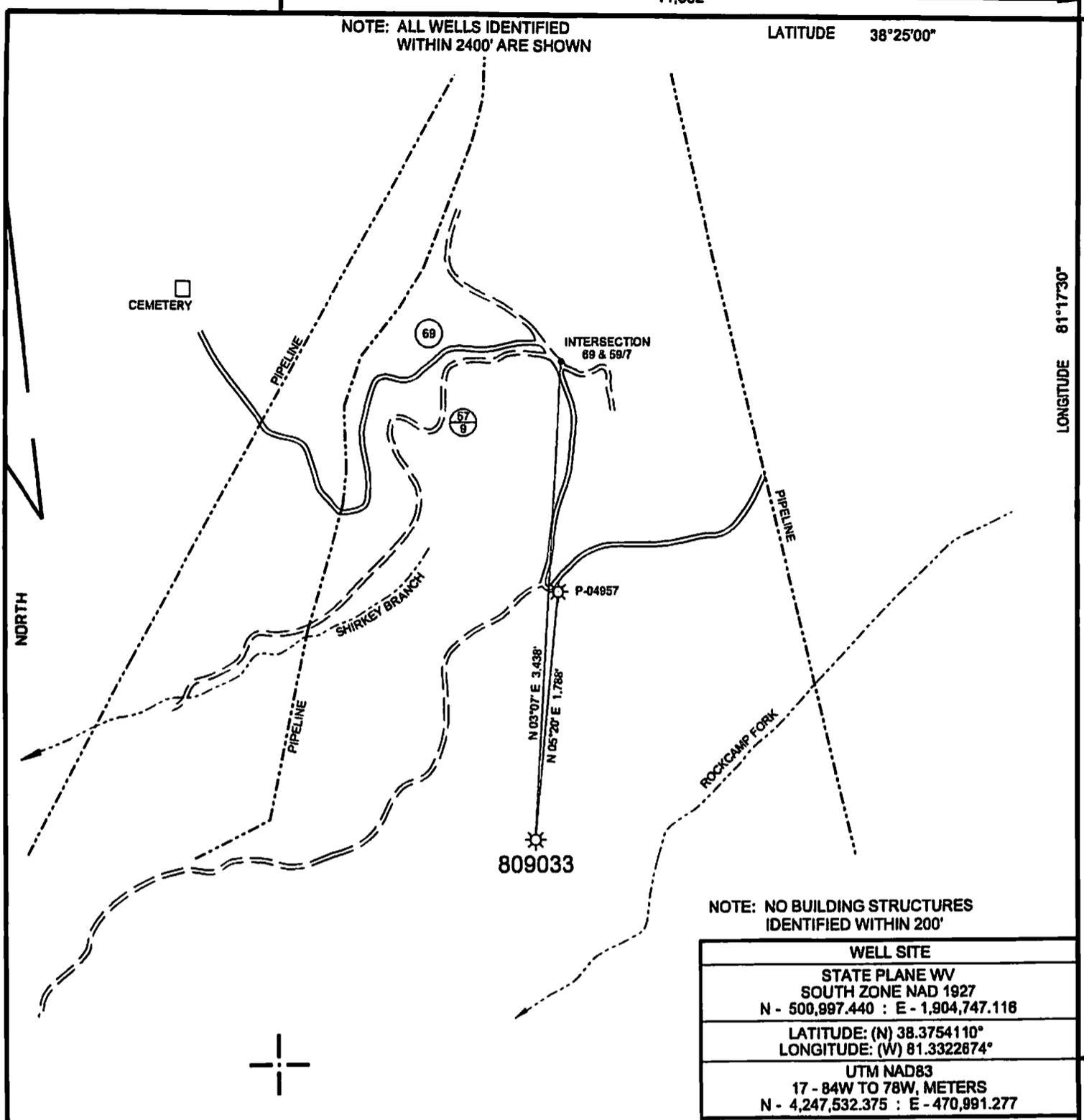
11,662'

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

LATITUDE 38°25'00"

LONGITUDE 81°17'30"

15,032'



NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

| WELL SITE  |  |
|--|--|
| STATE PLANE WV<br>SOUTH ZONE NAD 1927<br>N - 500,997.440 : E - 1,904,747.118 |  |
| LATITUDE: (N) 38.3754110°<br>LONGITUDE: (W) 81.3322874°                      |  |
| UTM NAD83<br>17 - 84W TO 78W, METERS<br>N - 4,247,532.375 : E - 470,991.277  |  |

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

FILE NO. CA809033P&A.DGN  
 DRAWING NO. CA809033 P&A  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION MAPPING GRADE GPS

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) *Paul E. Miller*  
 R.P.E. \_\_\_\_\_ L.L.S. 647



STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OIL AND GAS DIVISION



DATE APRIL 30, 2015  
 OPERATOR'S WELL NO. 809033  
 API WELL NO.

47 039 01754 P  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION: ELEVATION 1,246' WATER SHED ROCKCAMP FORK  
 DISTRICT ELK COUNTY KANAWHA

QUADRANGLE CLENDENIN, WV 7.5'

SURFACE OWNER BLUE EAGLE LAND, LLC ACREAGE -

OIL & GAS ROYALTY OWNER \_\_\_\_\_ LEASE ACREAGE -

LEASE NO. \_\_\_\_\_

PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR  
 STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW  
 FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON X CLEAN OUT AND REPLUG \_\_\_

TARGET FORMATION \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_

WELL OPERATOR CHESAPEAKE APPALACHIA, L.L.C. DESIGNATED AGENT JESSICA GREATHOUSE

ADDRESS P.O. BOX 18498, OKLAHOMA CITY, OK 73154-0498 ADDRESS CHESAPEAKE APPALACHIA, L.L.C. PO BOX 8070, CHARLESTON, WV 25382

FORM WW-6

COUNTY NAME

PERMIT