



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 26, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4301890, 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: 6071

Farm Name: CLARK, I. J.

API Well Number: 47-4301890

Permit Type: Plugging

Date Issued: 02/26/2015

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

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.
4. This well is under a consent order and must be plugged under the terms of that agreement.

CK 5230505

\$100.00

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

1) Date: 1/12/2015
2) Operator's Well No. 806071 P&A
3) API Well No. 47-043-01890

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 794' Watershed Coon Creek of Mud River
District Carroll County Lincoln Quadrangle Hamlin, WV 7.5' 388

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 Ralph Triplett Name Chesapeake Appalachia, L.L.C.
Address 5539 McClellan Highway Address P.O. Box 18496
Branchland, WV 25506 Oklahoma City, OK 73154-0496

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

See Attached Sheet

Received
Office of Oil & Gas
JAN 20 2015

OK
x/m

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

Work Order approved by Inspector _____ Date _____

Well No. 248

Branchland

District

Jeff Clark

Farm

REPAIRS

N.

S.

E.

W.

Commenced September 5, 1926

Completed November 12, 1926

CASING AND TUBING RECORD

| Size | Amount in Well | | Amount Pulled | Amount Put in Well | Amount Left in Well | Disposition of Amount Pulled |
|--------|----------------|---------------|---------------|--------------------|---------------------|--------------------------------|
| | Before Repairs | After Repairs | | | | |
| 10" | 20 | 20 | | | 20 | |
| 8 1/2" | None | 314 | None | 314 | 314 | |
| 6 5/8" | 935 | 1811 | 935 | 1811 | 1811 | Re-run in well |
| 3" | 82 | 2282 | 82 | 2282 | 2282 | Transferred to Warehouse stock |
| 2" | 945 | None | 945 | | None | Transferred to Warehouse Stock |

VOLUME AND PRESSURE TEST

| Before Repairs | | | Pressure | | After Repairs | | | Pressure | |
|----------------|-------------|---------|----------------|--------|---------------|-------------|---------|----------------|--------|
| Size Opening | Liquid Used | Reading | Rock or Minute | Pounds | Size Opening | Liquid Used | Reading | Rock or Minute | Pounds |
| Salt sand gas | exhausted | | | | 2" | Water | 22/10 | 48 hrs. | 410 |
| | | | | | | | | 60 min. | 255 |

| Names of Drillers | | Time (Days) | Names of Tool Dressers | | Time (Days) |
|---------------------------|--|-------------|------------------------|--|-------------|
| Harry Smith | | | Walter Miller | | |
| Walter Egnor | | | N. L. Woodall | | |
| R. L. Jaynes, Tool Pusher | | | | | |

If well is drilled deeper, insert below the record of deeper drilling

| Formation | Top | Bottom | Formation | Top | Bottom |
|-------------|------|--------|--------------------|------|--------|
| Salt Sand | 1030 | 1365 | Shell (hard) | 2050 | 2070 |
| Slate | 1365 | 1370 | Berea Sand | 2191 | 2211 |
| Maxton Sand | 1370 | 1430 | Bottom hole | | 2261 |
| Little Lime | 1425 | 1447 | | | |
| Pencil Cave | 1447 | 1450 | Producing Gas from | | |
| Big Lime | 1450 | 1630 | Berea Sand Between | | |
| Big Injun | 1630 | 1750 | 2193' and 2209' | | |
| Blue Slate | 1750 | 1918 | | | |
| Hart Shell | 1918 | 1956 | Cleaned out 5 days | | |
| Slate | 1956 | 2050 | after shot | | |

SHOOTING RECORD

| Date | Quartz | Top of Shell | Bottom of Shell | Diameter | Sand | Test Before Shot | | | Test After Shot | | | Test Taken After Shot No. Hours | By Whom Shot |
|---------|--------|--------------|-----------------|----------|-------|------------------|--------|---------|-----------------|--------|---------|---------------------------------|--------------|
| | | | | | | Reading | Liquid | Opening | Reading | Liquid | Opening | | |
| 11/6/26 | 30 | | | | Berea | 12/10 | W | 2" | 22/10 | W | 2" | 96 | M-- |

PACKER RECORD

| Size | Kind | Amount Anchor | Amount Above Anchor | 1st Perf. set on bottom 11' 8" long |
|------|-----------------|---------------|---------------------|-------------------------------------|
| 3" | O. W. S. Anchor | 334-0" | 1948' 0" | 2nd " " on 47' 8" from bottom hole |

Tubing Record If Well Never Previously Tubed

| Date Tubed | Size | Amount Put in Well | Well previously tubed with 2" tubing |
|------------|------|--------------------|--------------------------------------|
| 11/12/26 | 3" | 2282' | |

Remarks: Well drilled deeper with Col. Gas & Elec. Co. String tools #3
 For list of material other than pipe used at well see opposite side
 6 5/8" x 8 1/2" x 10" O. W. S. B H Packer Run on Bottom of 6 5/8" casing

NOTE--Whenever a well is shot, tubed, drilled deeper, or in any way repaired, fill out this report so far as it relates to work done and mail promptly.

H. H. Primm
 District Supt.

Received
 Office of Oil & Gas
 JAN 22 2015

043-1890 #6071

UNITED FUEL GAS COMPANY
(INCORPORATED)
Huntington Development & Co.

Serial Well No. 248

Lease No. _____

Map Square 31

PROPERTY PRINTING CO., CHARLESTON

RECORD OF WELL No. _____ on the _____
Jeff Chark Farm of _____ Acres
 in **Carroll** District
Lincoln County
 Field, State of **W. Va.**

Rig Commenced _____ 192
 Rig Completed _____ 192
 Drilling Commenced 12-23-19 192
 Drilling Completed 1-10-20 192
 Drilling to cost _____ per foot
 Contractor is: _____
 Address: _____

Drillers' Names **F. S. Figley**
 Rig Bldr. **Roy & McComas**

| CASING AND TUBING | | |
|-------------------|------------------|--------------|
| Size | Used in Drilling | Left in Well |
| 10 | | |
| 13 | | |
| 10 | | 20 |
| 8 1/4 | | 314 |
| 6 5/8 | | 1865 |
| 5 3/8-16 | | 935 |
| 4 7/8 | | |
| 4 | | |
| 3 | | 22 82 |
| 2 | | 945 |

TEST BEFORE SHOT

_____ of Water in _____ inch
 10ths _____
 _____ of Merc. in _____ inch
 10ths _____
 Volume _____ Cu. ft.

TEST AFTER SHOT

_____ of Water in _____ inch
 10ths _____
 _____ of Merc. in _____ inch
 10ths _____
 Volume 385,000 Cu. ft.

Rock pressure 290

Date shot _____
 Size of Torpedo _____
 Oil Flowed _____ bbls. 1st 24 hrs.
 Oil Pumped _____ bbls. 1st 24 hrs.

SHUT IN

Date 1-10-20
 _____ in _____ Tubing or Casing
 Size of Packer _____
 Kind of Packer _____
 1st Perf. Set _____ from _____
 2nd Perf. Set _____ from _____

Well abandoned and
 Plugged _____ 10 _____

DRILLER'S RECORD

| Formation | Top | Bottom | Thickness | Remarks |
|----------------|------|--------|-----------|-----------------------------------|
| | | | | Gas from salt sand |
| Clay | | 18 | | Connected & gas turned on 1-10-20 |
| Sand | 18 | 80 | | |
| Slate | 80 | 120 | | |
| Red rock | 120 | 135 | | |
| Slate | 135 | 150 | | |
| Sand | 150 | 175 | | |
| Red rock | 175 | 200 | | |
| Slate | 200 | 210 | | |
| Red rock | 210 | 220 | | |
| Slate | 220 | 310 | | |
| Red rock | 310 | 320 | | |
| Slate | 320 | 400 | | |
| Sand | 400 | 450 | | |
| Slate | 450 | 465 | | |
| Sand | 465 | 515 | | |
| Slate | 515 | 530 | | |
| Sand | 530 | 595 | | |
| Slate | 595 | 615 | | |
| Sand | 615 | 640 | | |
| Slate | 640 | 655 | | |
| Sand | 655 | 680 | | |
| Slate & shells | 680 | 720 | | |
| Sand | 720 | 750 | | |
| Slate | 750 | 775 | | |
| Sand | 775 | 800 | | |
| Slate & shells | 800 | 850 | | |
| Sand | 850 | 890 | | |
| Slate & shells | 890 | 995 | | |
| Sand | 1005 | 1026 | | |
| Slate | 1026 | 1030 | | |
| Salt sand | 1030 | | | |
| Total Depth | 1045 | | | |

Received
 Office of Oil & Gas
 JAN 22 2015

WW4-A
Revised
2/01

1) Date: 1/12/2015
2) Operator's Well No. 806071 P&A
3) API Well No. 47-043-01890

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 Gerald McNeal
Address 513 Coon Creek Road ✓
Culloden, WV 25510

(b) Name Timothy K. and Michelle Ball
Address 449 Coon Creek road ✓
Culloden, WV 25510

(c) Name _____
Address _____

6) Inspector Ralph Triplett
Address 5539 McClellan Highway
Branchland, WV 25506

Telephone 304-389-0350

5) Coal Operator
(a) Name None
Address _____

Coal Owner(s) with Declaration
(b) Name Chesapeake Appalachia, L.L.C.
Address Attention: Fred Jones ✓
P.O. Box 6070
Charleston, WV 25362

Name Pocahontas Land Corporation
Address 800 Princeton Avenue ✓
P.O. Box 1517
Bluefield, WV 24701

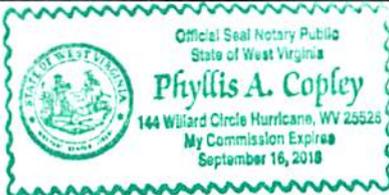
Coal Lessee with Declaration
(c) Name None
Address _____

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.

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: Manager - Operations, Appalachia South
Address: P.O. Box 18496
Oklahoma City, OK 73154-0496
Telephone: 405-935-4073

Subscribed and sworn before me this 15th day of January the year of 2015

Phyllis A. Copley Notary Public

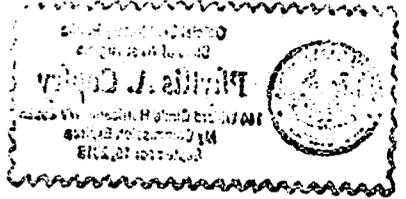
My Commission Expires September 16, 2018
Form WW-9

Received
Office of Oil & Gas
JAN 20 2015

UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

MEMORANDUM FOR THE DIRECTOR, FBI
FROM: SAC, NEW YORK (100-1024)
SUBJECT: [Illegible]

[Illegible typed text]



[Handwritten signature]

Well 806071 P&A API: 47-043-01890

4301890P

7010 3090 0002 9275 3752

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 BLUEFIELD WV 24701

OFFICIAL USE

| | | |
|--|----------------|-------------------|
| Postage | \$ 1.40 | 0523 |
| Certified Fee | \$ 3.30 | 01 |
| Return Receipt Fee (Endorsement Required) | \$ 2.70 | Postmark Here |
| Restricted Delivery Fee (Endorsement Required) | \$ 0.00 | |
| Total Postage & Fees | \$ 7.40 | 01/15/2015 |

Sent To: 806071 P&A
 Pocahontas Land Corporation
 800 Princeton Avenue
 P.O. Box 1517
 Bluefield, WV 24701

PS Form 3800, Instructions

7010 3090 0002 9275 3769

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 CHARLESTON WV 25362

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| | | |
|--|----------------|-------------------|
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| Certified Fee | \$ 3.30 | 01 |
| Return Receipt Fee (Endorsement Required) | \$ 2.70 | Postmark Here |
| Restricted Delivery Fee (Endorsement Required) | \$ 0.00 | |
| Total Postage & Fees | \$ 7.40 | 01/15/2015 |

Sent To: 806071 P&A
 Chesapeake Appalachia, L.L.C.
 Attention: Fred Jones
 P.O. Box 6070
 Charleston, WV 25362

PS Form 3800, Instructions

7010 3090 0002 9275 3763

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| | | |
|--|----------------|-------------------|
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| Certified Fee | \$ 3.30 | 01 |
| Return Receipt Fee (Endorsement Required) | \$ 2.70 | Postmark Here |
| Restricted Delivery Fee (Endorsement Required) | \$ 0.00 | |
| Total Postage & Fees | \$ 7.40 | 01/15/2015 |

Sent To: 806071 P&A
 Gerald McNeal
 513 Coon Creek Road
 Culloden, WV 25510

PS Form 3800, Instructions

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| | | |
|--|----------------|-------------------|
| Postage | \$ 1.40 | 0523 |
| Certified Fee | \$ 3.30 | 01 |
| Return Receipt Fee (Endorsement Required) | \$ 2.70 | Postmark Here |
| Restricted Delivery Fee (Endorsement Required) | \$ 0.00 | |
| Total Postage & Fees | \$ 7.40 | 01/15/2015 |

Sent To: 806071 P&A
 Timothy K. & Michelle Ball
 449 Coon Creek Road
 Culloden, WV 25510

PS Form 3800, Instructions

Received
Office of Oil & Gas
JAN 20 2015

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 Coon Creek of Mud River Quadrangle Hamlin, WV 7.5'
Elevation 794' County Lincoln District Carroll

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 *David Gocke*

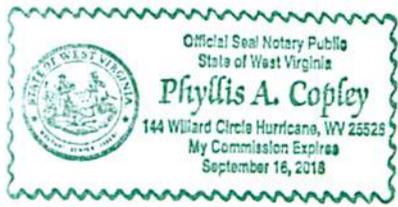
Company Official (Typed Name) David Gocke

Company Official Title Manager - Operations, Appalachia South

Subscribed and sworn before me this 15th day of January, 2015.

Phyllis A. Copley Notary Public.

My Commission Expires September 16, 2018

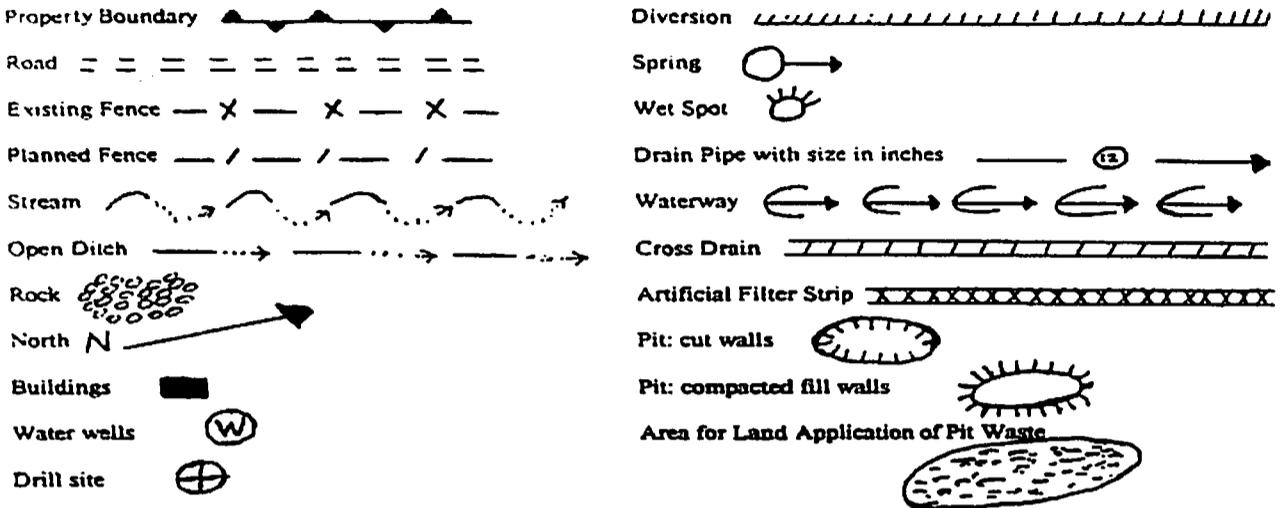


Received
Office of Oil & Gas
JAN 22 2015

Attachment #1

API #: 47-043-01890
 Operator's Well No. 806071 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

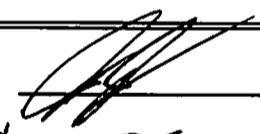
Fertilizer (10-20-20 or equivalent) 1/3 TON lbs/acre (500 lbs minimum)

Mulch Hay 2 Tons/acre

Seed Mixtures

| Area I | | Area II | |
|---------------|----------|---------------|----------|
| Seed Type | lbs/acre | Seed Type | lbs/acre |
| KY-31 | 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.

Plan Approved by: 

Title: inspector 006

Date: 1-20-15

Field Reviewed? () Yes () No

Received
 Office of Oil & Gas
 JAN 22 2015

43018909

CHESAPEAKE APPALACHIA, L.L.C.

TOPOGRAPHICAL MAP OF ACCESS AND WELL LOCATION 806071

API 47-043-01890

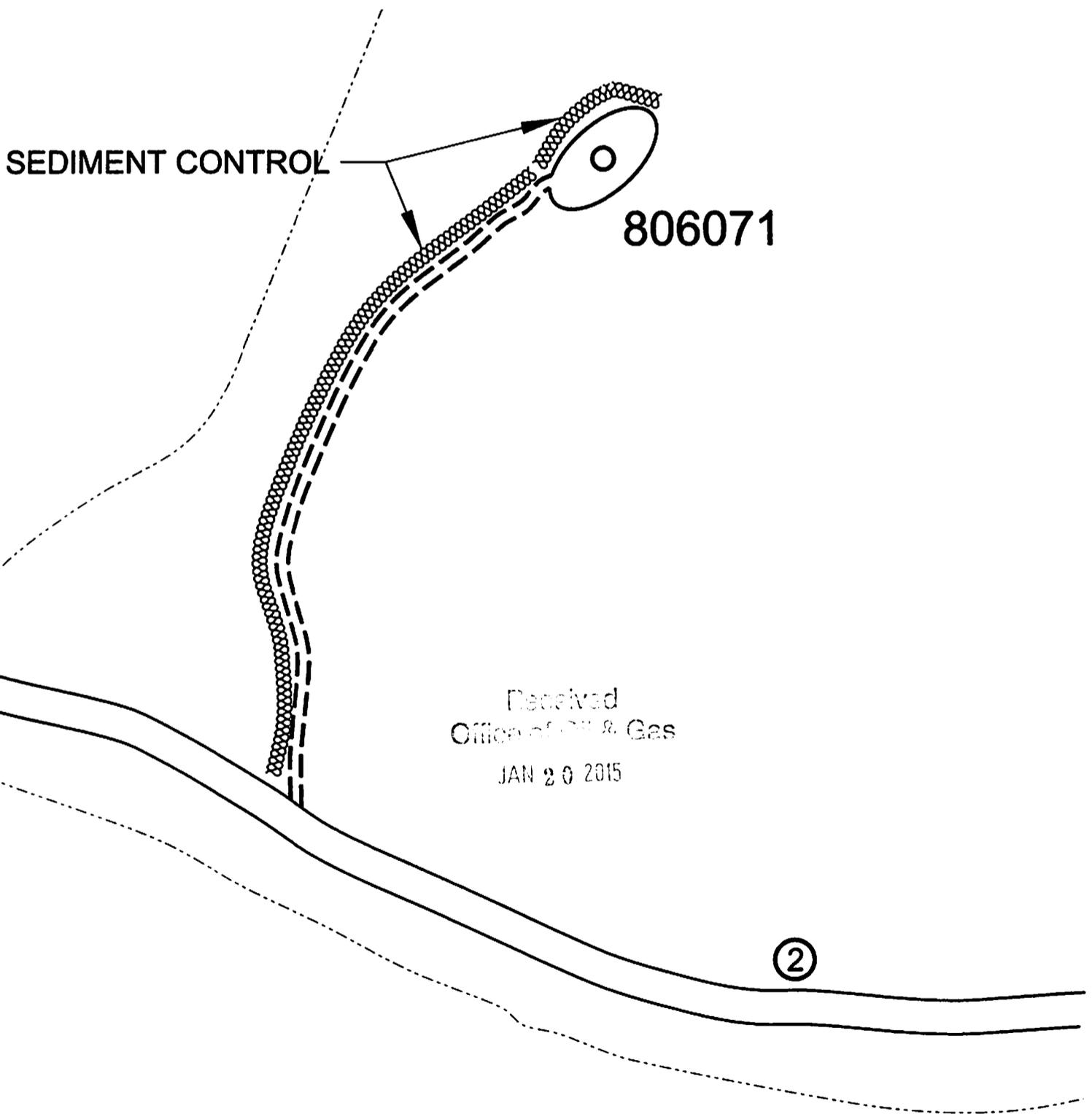
GENERAL NOTES

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 and sedimentation.

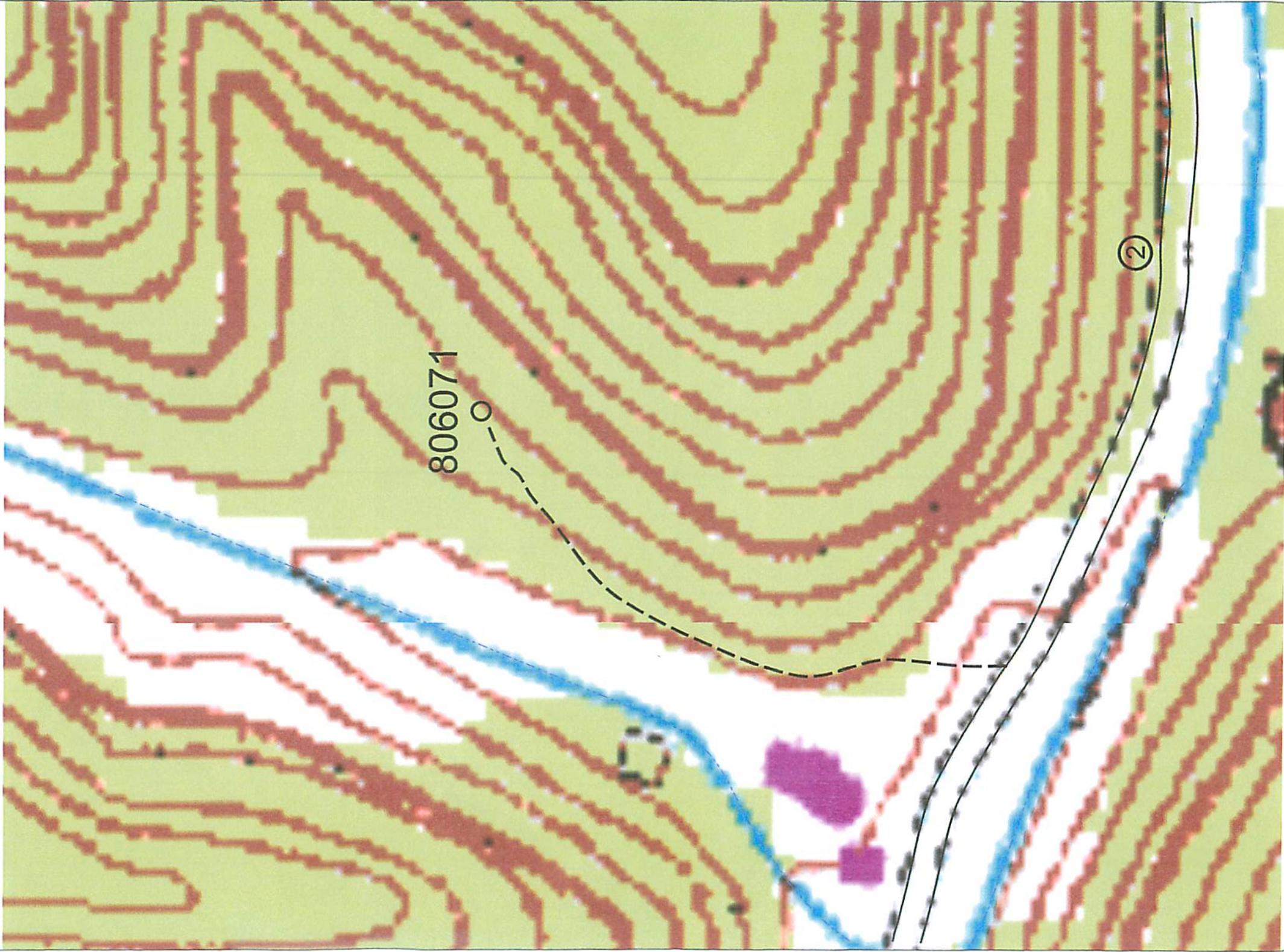
Cross drains, broad based dips, water bars, and diversion ditches, will be employed during the construction phase. These erosion and sediment control structures will be used to control erosion and sedimentation during the construction phase, where applicable, and in areas that will allow. These structures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

Permanent seeding: See Attachment #1.



CHESAPEAKE APPALACHIA, L.L.C.
TOPOGRAPHICAL MAP OF ACCESS AND
WELL LOCATION 806071

API 47-043-01890



Received
Office of Oil & Gas

JAN 22 2015

CHESAPEAKE ENERGY CORPORATION - EASTERN DIVISION
P.O. BOX 579 - 8165 COURT AVENUE - HAMLIN, WV 25523

304 824-5141 - FAX 304 824-2247

4301890 P

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

LATITUDE 38°22'30"

NORTH

LONGITUDE 82°20'28"

2,064'

NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

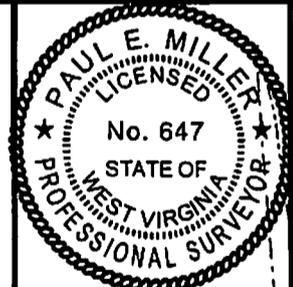
| |
|--|
| SURFACE HOLE |
| STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 500,355.29 : E - 1,694,952.85 |
| LATITUDE: (N) 38.3693079 LONGITUDE: (W) 82.0640177 |
| UTM, NAD83 17 - 84W TO 78W, METERS N - 4,247,121.027 : E - 407,048.928 |

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

FILE NO. 806071.DGN
DRAWING NO. 806071 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 JANUARY 12, 20 15
OPERATOR'S WELL NO. 806071
API WELL NO. _____

47 043 1890
STATE COUNTY PERMIT

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

LOCATION: ELEVATION 794' WATER SHED COON CREEK OF MUD RIVER
DISTRICT CARROLL COUNTY LINCOLN
QUADRANGLE HAMLIN, WV 7.5'

SURFACE OWNER GERALD MCNEAL AND TIMOTHY K. & MICHELLE BALL 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) _____

Received
Office of Oil & Gas
JAN 22 2015

PLUG AND ABANDON CLEAN OUT AND REPLUG
TARGET FORMATION _____ ESTIMATED DEPTH _____
WELL OPERATOR CHESAPEAKE APPALACHIA, L.L.C. DESIGNATED AGENT JESSICA GREATHOUSE
ADDRESS PO BOX 18496 OKLAHOMA CITY, OK 73154-0496 ADDRESS PO BOX 6070 CHARLESTON, WV 26362

FORM WV-6

COUNTY NAME

PERMIT

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

6,415'

LATITUDE 38°22'30"

HUDSON HOLLOW

CABELL COUNTY
LINCOLN COUNTY

PUTNAM COUNTY
CABELL COUNTY

LONGITUDE 82°02'28"

NORTH

PIPELINE

PIPELINE

806071

AEP PP#
155A14

S66°53'W-910'

COON CREEK

S 67°38' E - 5,025'

806001
P-01858

806001
P-01858

NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

SURFACE HOLE

STATE PLANE WV
NORTH/SOUTH ZONE NAD 1927
N - 500,355.29 : E - 1,694,952.85

LATITUDE: (N) 38.3693079
LONGITUDE: (W) 82.0640177

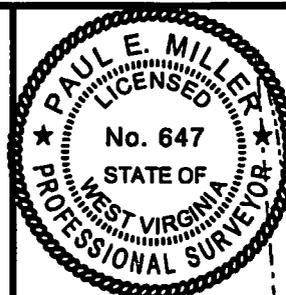
UTM, NAD83
17 - 84W TO 78W, METERS
N - 4,247,121.027 : E - 407,048.928

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

FILE NO. 806071.DGN
DRAWING NO. 806071 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 JANUARY 12, 2015
OPERATOR'S WELL NO. 806071
API WELL NO. _____

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

LOCATION: ELEVATION 794' WATER SHED COON CREEK OF MUD RIVER

DISTRICT CARROLL COUNTY LINCOLN

QUADRANGLE HAMLIN, WV 7.5'

SURFACE OWNER GERALD MCNEAL AND TIMOTHY K. & MICHELLE BALL 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 PO BOX 18486 OKLAHOMA CITY, OK 73154-0486 ADDRESS PO BOX 6070 CHARLESTON, WV 26362

FORM WW-6

COUNTY NAME

PERMIT

ADDRESS PO BOX 18488 OKLAHOMA CITY, OK 73154-0488 ADDRESS PO BOX 8070 CHARLESTON, WV 26385

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

PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION _____ ESTIMATED DEPTH _____

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

OIL & GAS ROYALTY OWNER _____ LEASE ACREAGE _____ SURFACE OWNER GERALD MCNEAL AND TIMOTHY K & MICHELLE BALL ACREAGE _____

QUADRANGLE HAMLIN, WV 7.5 DISTRICT CARROLL COUNTY LINCOLN COUNTY

LOCATION: ELEVATION 784' WATER SHED COON CREEK OF MUD RIVER (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL _____

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

DATE JANUARY 12 2015 OPERATOR'S WELL NO. 808071 API WELL NO. 01880 P

STATE COUNTY PERMIT

FILE NO. 808071.DGN DRAWING NO. 808071 P&A SCALE 1" = 100'

MINIMUM DEGREE OF ACCURACY 1:500 PROVEN SOURCE OF ELEVATION MAPPING GRADE GPS

UTM, NAD83 N - 4247,121.027 : E - 407,048.828 17 - 84W TO 78W, METERS LONGITUDE (W) 82.0840177 LATITUDE (N) 38.3883079

NORTH SOUTH ZONE NAD 1983 STATE PLANE WV N - 500,352.29 : E - 1,694,922.82

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

NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN HUDSON HOLLOW



LATITUDE 38°25'30" LONGITUDE 82°05'30"

PAUL E. MILLER LICENSED PROFESSIONAL SURVEYOR No. 647 STATE OF WEST VIRGINIA

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. 647

