west virginia department of environmental protection

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

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

Thursday, September 08, 2016
WELL WORK PERMIT
Vertical / Plugging - 2

CHESAPEAKE APPALACHIA, L.L.C.
POST OFFICE BOX 6070

CHARLESTON, WV 253620070

Re: Permit approval for 6960
47-099-00844-00-00

This well work permit 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 any additional specific 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: 6960
Farm Name: STARK, H. J.
U.S. WELL NUMBER: 47-099-00844-00-00
Vertical / Plugging - 2
Date Issued: 9/8/2016

9900844P

# 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 within two years of the date of issuance of this permit.

CK # 6003138 100.00

WW-4B
Rev. 2/01

1) Date: 7/13/2016
2) Operator's Well No. 806960
3) API Well No. 47-099-00844 P

**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 893' Watershed East Fork of Twelvepole Creek
District Stonewall County Wayne Quadrangle Kiahsville, WV 7.5'

6) Well Operator Chesapeake Appalachia, L.L.C.
Address P.O. Box 18496
Oklahoma City, OK 73154-0496

7) Designated Agent Jessica Greathouse
Address P.O. Box 6070
Charleston, WV 25362

8) Oil and Gas Inspector to be notified
Name Allen Flowers
Address 165 Grassy Lick Lane
Liberty, WV 25124

9) Plugging Contractor
Name Chesapeake Appalachia, L.L.C.
Address P.O. Box 18496
Oklahoma City, OK 73154-0496

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

See Attached Sheet

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

Work Order approved by Inspector _____ Date 7-27-2016

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API Number: 47-039-00844 P

Operator's Well Number: 806960

# PLUGGING PROCEDURE

1) Prepare road and location, MIRU Service Rig

2) Run in hole to check TD at approximately 3125', pull 1" if present

3) Back-off or cut 3" below 2". Tie string back together with full open 3"

4) Attempt to pull 3" and packer

   A) If successful

      a) TIH with W.S. to 3125', spot gel
      b) Spot 125' cement plug 3125'-3000', pull W.S. to 2260'
      c) Spot 160' cement plug 2260'-2100
      d) Proceed to step 5

   B) If unsuccessful

      a) Shoot or rip holes in 3" at approximately 3100', 3090', 2260', 2220' and 1800'
      b) Run W.S. to 3125', spot gel
      c) Spot 125' cement plug 3125'-3000', pull W.S. to 2260'
      d) Spot 160' cement plug 2260'-2100', pull W.S.
      e) Cut 3" at free-point (approximately 1740') and pull
      f) Proceed to step 5

5) Run or pull W.S. to 1740', spot gel

6) Spot 200' cement plug 1740'-1540', pull W.S.

7) Run in hole with tools or W.S. to check top of plug. If TOC is below 1580' then add cement to top of plug.

8) Rip or shoot holes in 7" at approximately 1470' and 1450' 1500-1450

9) Run W.S. to 1470', spot gel

10) Spot 150' cement plug 1470'-1320', pull W.S.

11) Cut 7" at free-point (approximately 925') and pull

12) Run W.S. to casing cut at approximately 925', spot gel 50' below csg cut

13) Spot 200' cement plug 925'-725', pull W.S.

14) Attempt to pull 8 5/8"

   A) If successful

      a) Run W.S. to 435', spot gel
      b) Spot 110' cement plug 435'-325', pull W.S. to 255'
      c) Spot 255' cement plug 255'-surface
      d) Proceed to step 15

   B) If unsuccessful

      a) Run W.S. to 425', spot gel
      b) Spot 110' cement plug 435'-325', pull W.S.
      c) Cut 8 5/8" at free-point (approximately 260') and pull. (If at least 250' of 8 5/8" cannot be pulled, then rip or shoot holes at approximately 270' and 250' and spot cement plug from 270' to just below free-point, then pull 8 5/8" from where free.)
      d) TIH with W.S. to 8 5/8" casing cut
      e) Spot cement from casing cut to surface
      f) Proceed to step 15

MAKE SURE COAL IS COVERED W/ CEMENT FROM 250' - TO SURFACE

gwm

15) Pull W.S. and top off with cement

16) Set monument and reclaim as prescribed by law

7-22-16

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Well 806960
API 47-099-00844P
Page 1 of 2

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION /O

Wayne

# WELL RECORD

Permit No. WAY-844

Oil or Gas Well Gas (KIND)

Company UNITED FUEL GAS COMPANY
Address P.O. Box 1273, Charleston 25, W. Va.
Farm H. J. Stark Acres 57
Location (waters) East Fork of 12 Pole
Well No. 6960 Elev. 888.11
District Grant County Wayne
The surface of tract is owned in fee by
Address
Mineral rights are owned by H. J. Stark
Address Ceredo, W.Va.
Drilling commenced May 8, 1952
Drilling completed August 29, 1952
Date Shot 9-30-52 From 2225 To 3233
With 6,466-2/3# Gelatin
Open Flow 16 /10ths Water in 2" Inch
/10ths Merc. in Inch
Volume 288,000 Cu. Ft.
Rock Pressure 490 Casing 48 hrs.
420 Tubing lbs. 48 hrs.
Oil bbls., 1st 24 hrs.
Fresh water feet feet
Salt water 855' feet 1055' feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|---|---|---|---|
| Size | | | |
| 16 | | | |
| 18 | | | Kind of Packer Hook Wall |
| 10 | | 31' | |
| 8 5/8 | | 386' | Size of 3"x5-1/2"x16" |
| 7" | | 1619' | |
| 5 3/16 1/4 | 1749' | | Depth set 1760' |
| 3 | | 3131' | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | | | Perf. top |
| | | | Perf. bottom |

CASING CEMENTED SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT 95 FEET 24 INCHES
210 FEET 36 INCHES 380 FEET 60 INCHES
FEET INCHES FEET INCHES

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|---|---|---|---|---|---|---|---|
| Soil | | | 0 | 13 | | | |
| Sand | | | 13 | 55 | | | |
| Slate | | | 55 | 75 | | | |
| Sand | | | 75 | 95 | | | |
| Coal | | | 95 | 97 | | | |
| Slate | | | 97 | 115 | | | |
| Sand | | | 115 | 140 | Show Salt Water 855' 3 bailers in 2½ | | |
| Slate | | | 140 | 160 | | | |
| Sand | | | 160 | 210 | Hole full water 1055' | | |
| Coal | | | 210 | 213 | | | |
| Brown Slate | | | 213 | 221 | Gas 1662' 3/10 W 2" 73 M | | |
| Sand | | | 221 | 234 | | | |
| Slate | | | 234 | 254 | Gas 2227' 2/10 W 1" 15 M | | |
| Sand | | | 254 | 290 | | | |
| Slate | | | 290 | 301 | Show gas 3070' | | |
| Sand | | | 301 | 370 | | | |
| Broken Sand | | | 370 | 380 | Gas 3148' 4/10 W 2" 84 M | | |
| Coal | | | 380 | 385 | | | |
| Slate | | | 385 | 405 | | | |
| Sand | | | 405 | 419 | Test before shot 40/10 W 1" 67 M | | |
| Slate | | | 419 | 480 | Shot 8-16-52 with 400# Detonite from | | |
| Slate & Shells | | | 480 | 560 | 1646-1678' | | |
| Brown Slate | | | 560 | 590 | Test after shot 8/10 W 2" 119 M | | |
| Sand | | | 590 | 610 | | | |
| Slate | | | 610 | 628 | | | |
| Lime | | | 628 | 640 | Test before shot 26/10 W 1" 54 M | | |
| Sand | | | 640 | 668 | Shot 9-30-52 with 6,466-2/3# Gelatin | | |
| Slate | | | 668 | 760 | from 2225-3233' | | |
| Sand | | | 760 | 803 | Test 1 hr. after shot 56/10 W 2" 315 M | | |
| Slate | | | 803 | 819 | Test 16 Hrs. after shot 16/10 W 2" 169M | | |
| Sand | | | 819 | 838 | | | |
| Slate | | | 838 | 855 | | | |
| Sand | | | 855 | 868 | | | |
| Slate & Shells | | | 868 | 907 | | | |
| Salt Sand | | | 907 | 1273 | Injun -119 M | | |
| Slate & Shells | | | 1273 | 1325 | FINAL OPEN FLOW-288 M-Br. Shale-169 M | | |
| Sand | | | 1325 | 1395 | 48 Hr. R.P. 490# Casinb | | |
| Little Lime | | | 1393 | 1420 | 48 Hr. R.P. 420# Tubing | | |
| Pencil Cave | | | 1420 | 1422 | | | |

MAY 1953 WEST VIRGINIA DEPARTMENT OF MINES

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(Over)

Well 806960

| Formation | Color | Hard or Soft | Top 10 | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|---|---|---|---|---|---|---|---|
| | | | | | | | API 47-099-00844 P Page 2 of 2 |
| Big Lime | | | 1422 | 1627 | Shut in 10-6-52 in 3" tubing | | |
| Red Rock | | | 1627 | 1641 | | | |
| Injun Sand | | | 1641 | 1687 | | | |
| Broken Sand & Shells | | | 1687 | 1731 | | | |
| Lime Shells | | | 1731 | 1783 | | | |
| Slate & Shells | | | 1783 | 2192 | | | |
| Coffee Shale | | | 2192 | 2221 | | | |
| Berea | | | 2221 | 2230 | | | |
| Slate & Shells | | | 2230 | 2305 | | | |
| Brown Shale | | | 2305 | 2358 | | | |
| White Shale | | | 2358 | 2857 | | | |
| Slate | | | 2857 | 2947 | | | |
| Brown Shale | | | 2947 | 3219 | | | |
| Slate | | | 3219 | 3233 | | | |
| Total depth | | | 3233' | | | | |

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Date May 7, 19 53

APPROVED UNITED FUEL GAS COMPANY, Owne

By L R Harrell
(Title)

9900844P

WW4-A
Revised 6-07

1) Date: 7/13/2016
2) Operator's Well No. 806960
3) API Well No. 47-099-00844

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 U.S. Army Corps of Engineers
Address Ms. Anita Bradburn, Realty Specialist
402 8th Street
Huntington, WV 25701

(b) Name
Address

(c) Name
Address

3) Inspector Allen Flowers
Address 165 Grassy Lick Lane
Liberty, WV 25124

Telephone 304-552-8308

5) (a) Coal Operator
Name None

(b) Coal Owner(s) with Declaration
Name Burea of Land Management-Eastern States
Address 626 East Wisconsin Avenue, Suite 200
Milwaukee, WI 53202-4617
Attention: Case No Argus WVES-50556

Name
Address

(c) Coal Lessee with Declaration
Name Argus Energy
Address 9104 Twelvepole Creek Road
Dunlow, WV 25511
Attention: Clarence Sloan

**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.

Official Seal Notary Public
State of West Virginia
Phyllis A. Copley
144 Willard Circle Hurricane, WV 25526
My Commission Expires
September 16, 2018

Well Operator: Chesapeake Appalachia, L.L.C.
By:
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 18th day of July the year of 2016

Phyllis A. Copley
Notary Public

My Commission Expires September 16, 2018

Form WW-9

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9900844P

(4/16)

API Number 47-099-00844
Operator's Well No. 806960

# STATE OF WEST VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL PROTECTION
## FLUIDS/CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Chesapeake Appalachia, L.LC. OP Code 494477557

Watershed (HUC 10) East Fork of Twelvepole Creek Quadrangle Kiahsville, WV 7.5'

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

Description of anticipated Pit Waste: Plugging Returns/Cement

Will a synthetic liner be used in the pit? Yes If so, what ml.? 20 ml.

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)
X Other (Explain: Any fluid recovered will be hauled to one of Cheasapeake's tank batteries)

Will closed loop system by used? No If so, describe: _____

Drilling medium anticipated for this well (Vertical and horizontal)? Air, freshwater, oil based, etc. _____

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

Additives to be used in drilling medium? _____

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. _____

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

-Landfill or offiste name/permit number? _____

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 Virgniia 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, 2015, , 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 _____

Company Official (Typed Name) David Gocke

Company Official Title Manager - Operations, Appalachia South

Subscribed and sworn before me this 18th day of July, 2016.

Phyllis A. Copley Notary Public

My Commission Expires September 16, 2018

Official Seal Notary Public
State of West Virginia
Phyllis A. Copley
144 Willard Circle Hurricane, WV 25526
My Commission Expires
September 16, 2018

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9900844F

Form WW-9

API Number 47-099-00844
Operator's Well No. 806960

Timothy - 7 lbs/acre
Kentucky Bluegrass - 7 lbs/acre
Winter Wheat (June 15-Nov 15) or Spring Wheat (Feb 15-June 15) - 12 lbs./acre
Annual Rye (June 15-Nov 15) or Oats (Feb 15-June 15) - 14 lbs/acre
Alfalfa (pre inoculated) - 10 lbs/acre
Durana Clover (pre inoculated) - 3 lbs/acre
Mammoth Red Clover (pre inoculated) - 5 lbs/acre
Chicory - 2 lbs/acre

**Total Seeding will be 60 lbs/acre**

Mulch - Weed free straw at 1500 lbs/acre

Fertilizer - 1-20-20 at 500 lbs/acre

Lime - Agriculatural lime or lime

Attach:
Maps(s) of road, location, pit and propsed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied sectin of involved 7.5' topographic sheet

Plan Approved by:

Comments:

Title: OOG Inspector. Date: 7-27-2016

Field Reviewed? ( X ) Yes ( ) No

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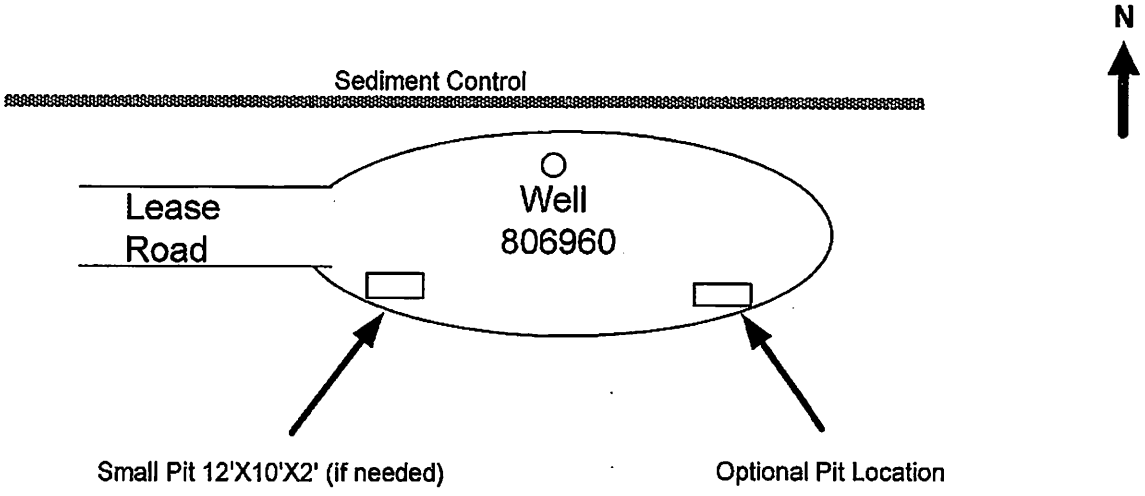
9900844P

# CHESAPEAKE APPALACHIA, L.L.C.

Diagram of Well 806960
API 47-099-00844
Field Office – Kermit
County -Wayne

Surface Owner:
USACE




Note: No land application.
Pit will have minimum 20
mil liner

# Site Plan

**Prepared by: Kris Aldridge**
**Date: 9-8-2016**

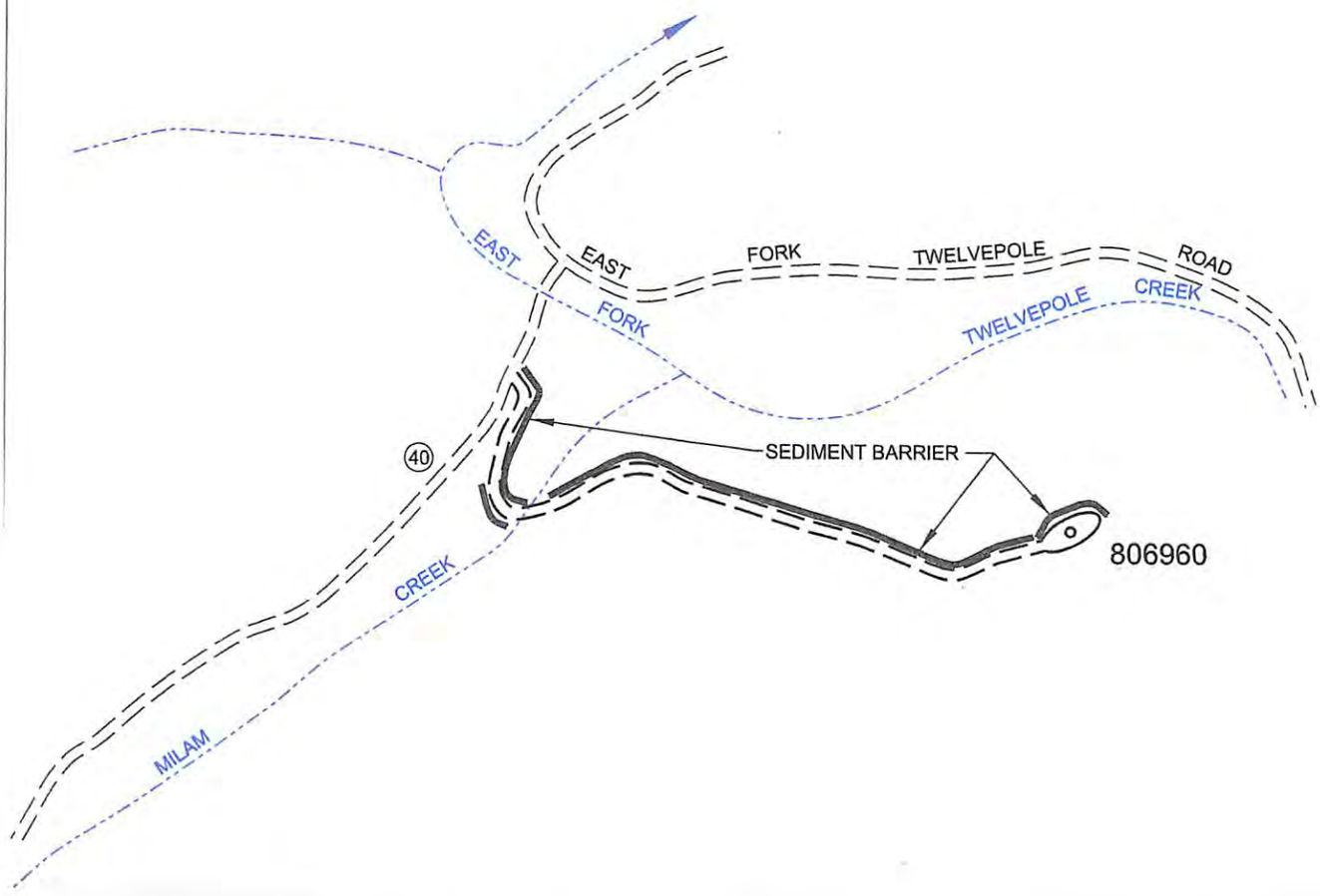
No Scale

9900844P

# CHESAPEAKE APPALACHIA, L.L.C.

## RECLAMATION DIAGRAM
## WELL LOCATION 806960

API 47-099-00844

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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 show in approximate pre-planning configurations.

All culvert pipes will be a minimum of 15 inches in diameter. all culvert pipes installed will be accomanied 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 out fall of culverts will be protected from erosion and sedimentation using large roacks of 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 contruction 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 ENERGY CORPORATION - EASTERN DIVISION
P.O. BOX 579 - 8165 COURT AVENUE - HAMLIN, WV 25523
304 824-5141 - FAX 304 824-2247

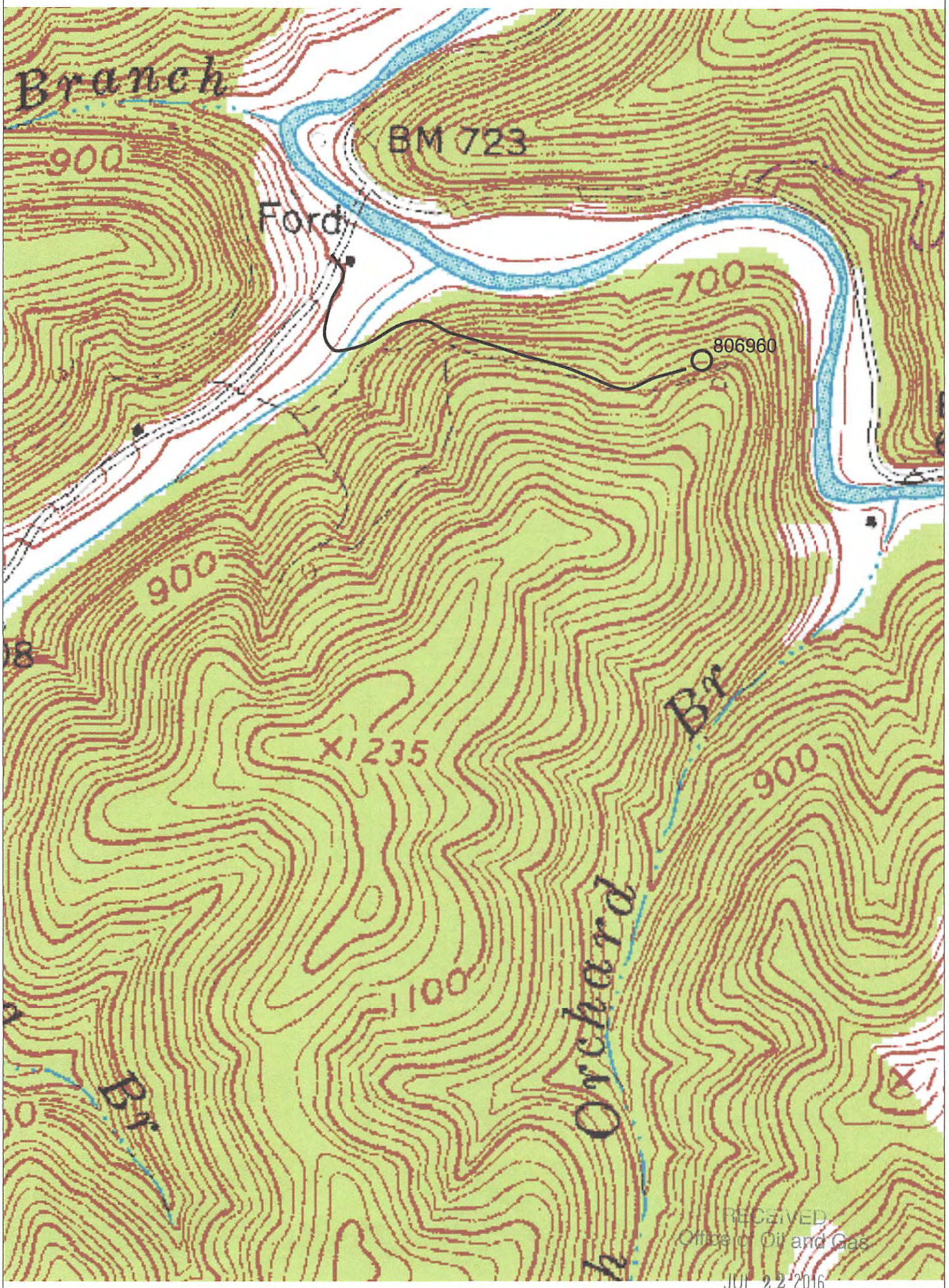
AF. 7-27-16

99008440

# CHESAPEAKE APPALACHIA, L.L.C.

## TOPOGRAPHICAL MAP OF ACCESS AND WELL LOCATION 806960

API 47-099-00844

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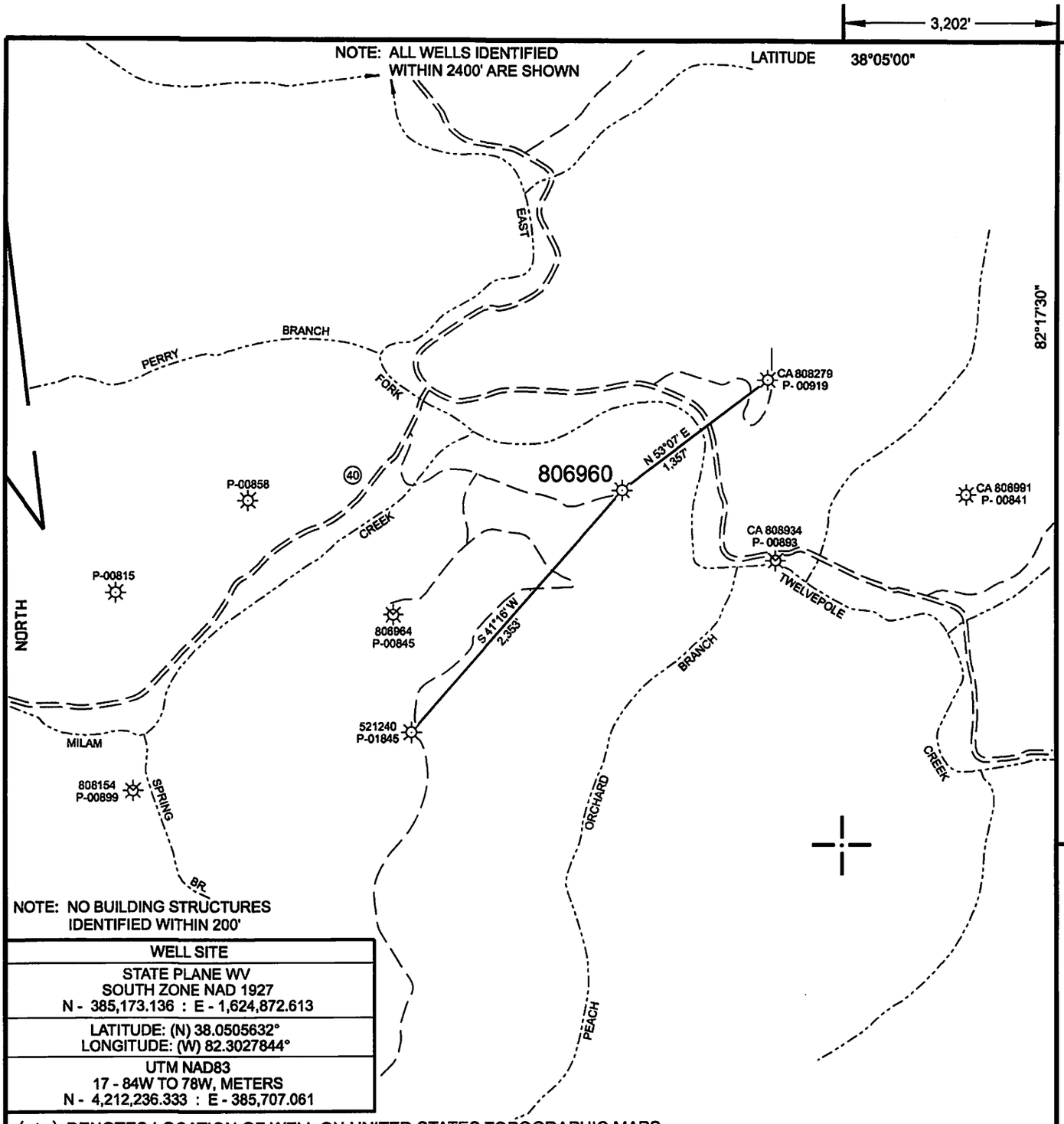
CHESAPEAKE ENERGY CORPORATION - EASTERN DIVISION
P.O. BOX 579 - 8165 COURT AVENUE - HAMLIN, WV 25523
304 824-5141 - FAX 304 824-2247




| WELL SITE |
|---|
| STATE PLANE WV<br>SOUTH ZONE NAD 1927<br>N - 385,173.136 : E - 1,624,872.613 |
| LATITUDE: (N) 38.0505632°<br>LONGITUDE: (W) 82.3027844° |
| UTM NAD83<br>17 - 84W TO 78W, METERS<br>N - 4,212,236.333 : E - 385,707.061 |

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

FILE NO. 806960 P&A.DGN
DRAWING NO. 806960 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) _____

R.P.E. _____ L.L.S. 647

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

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

DATE MAY 19, 20 16
OPERATOR'S WELL NO. 806960
API WELL NO.
47 (STATE) 099 (COUNTY) 00844 P (PERMIT)

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

LOCATION: ELEVATION 893' WATER SHED EAST FORK OF TWELVEPOLE CREEK
DISTRICT STONEWALL COUNTY WAYNE
QUADRANGLE KIAHSVILLE, WV 7.5'

SURFACE OWNER US ARMY CORPS OF ENGINEERS ACREAGE 57
OIL & GAS ROYALTY OWNER BUREAU OF LAND MANAGEMENT - EASTERN STATES LEASE ACREAGE 57
LEASE NO. 1-044400-000

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 18496, OKLAHOMA CITY, OK 73154-0496 ADDRESS CHESAPEAKE APPLACHIA, L.L.C. PO BOX 6070, CHARLESTON, WV 25362

FORM WW-6

COUNTY NAME

PERMIT