



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.

02/27/2015

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.

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/2/15

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

Work Order approved by Inspector _____ Date _____

02/27/2015

16071

Well No. 248

Branchland

District

REPAIRS

N.

Jeff Clark

S.

E.

W.

Farm

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		Formation	Bottom	
	Top	Bottom		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. 3 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

02/27/2015

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		1815
5 3-16		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 _____ 19 _____

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

02/27/2015

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

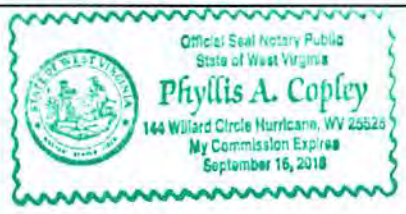
Coal Lessee with Declaration
(c) Name None
Address _____

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
[Signature] Notary Public

My Commission Expires September 16, 2018
Form WW-9

Received
Office of Oil & Gas
JAN 20 2015

02/27/2015

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

MEMORANDUM FOR THE DIRECTOR, FBI
FROM: SAC, [illegible]
SUBJECT: [illegible]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

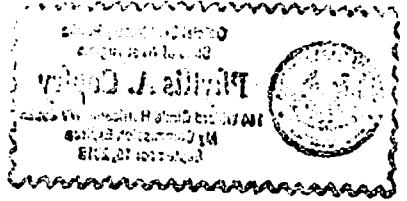
[illegible text]

[illegible text]

[illegible text]

[illegible text]

[illegible text]



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

4301890P

7010 3090 0002 9275 3752

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
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For delivery information visit our website at www.usps.com
 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

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
 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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 CULLODEN WV 25510

OFFICIAL USE

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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

7010 3090 0002 9275 3776

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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
 Timothy K. & Michelle Ball
 449 Coon Creek Road
 Culloden, WV 25510

PS Form 3800, Instructions

Received
Office of Oil & Gas
JAN 20 2015

02/27/2015

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



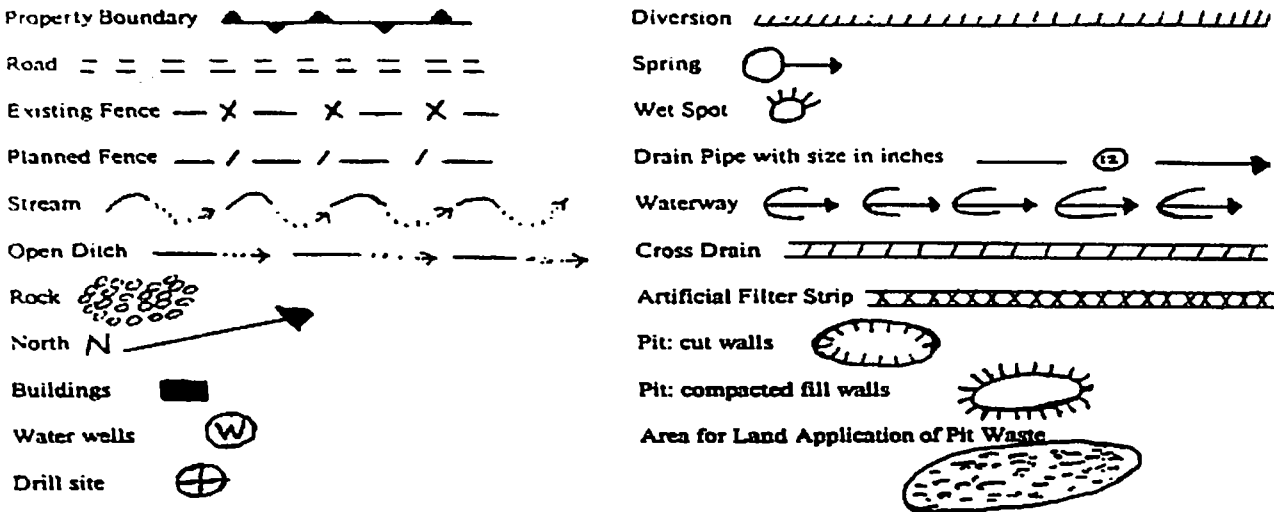
02/27/2015

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

02/27/2015

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

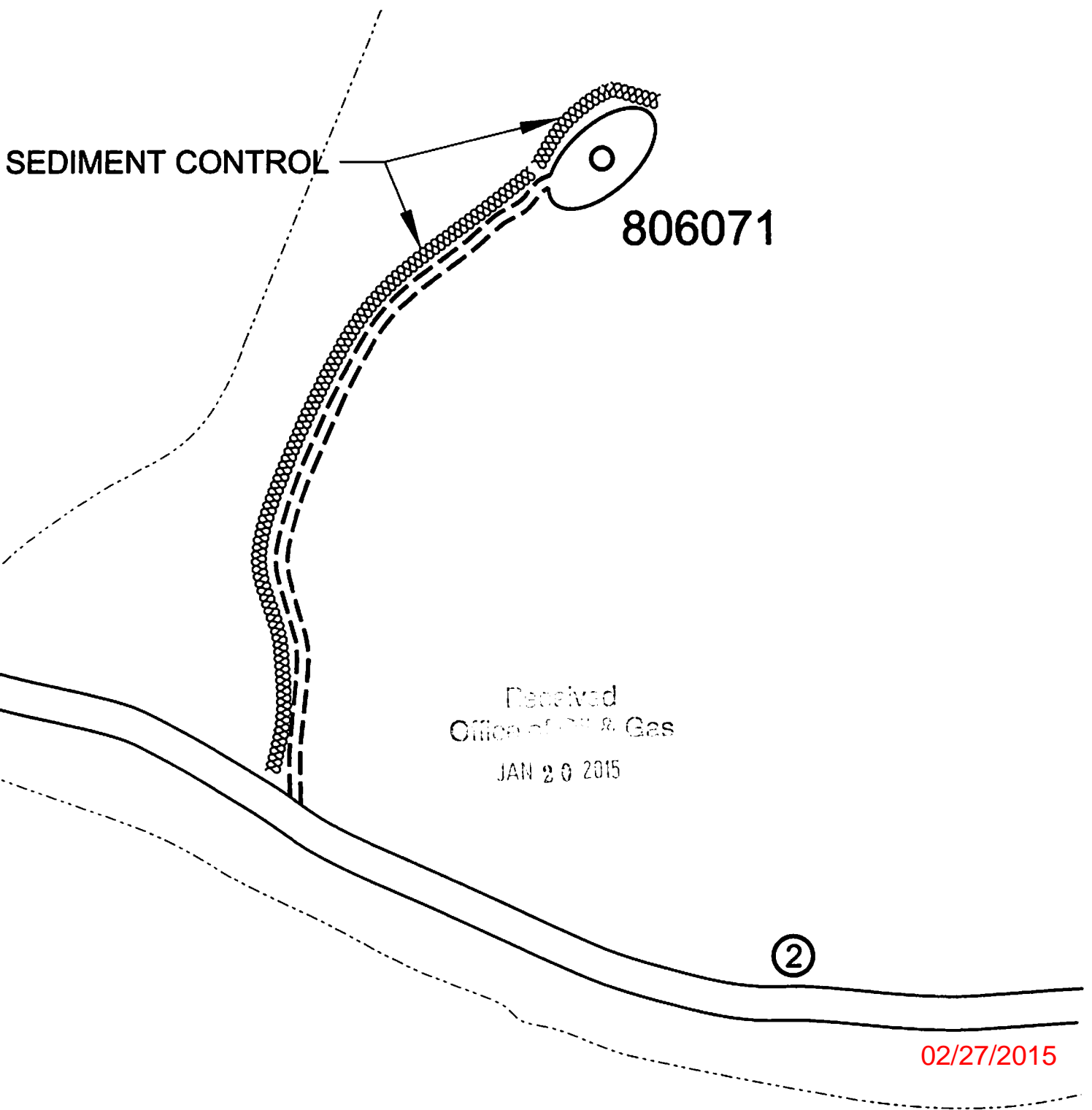
GENERAL NOTES

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 out fall 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.



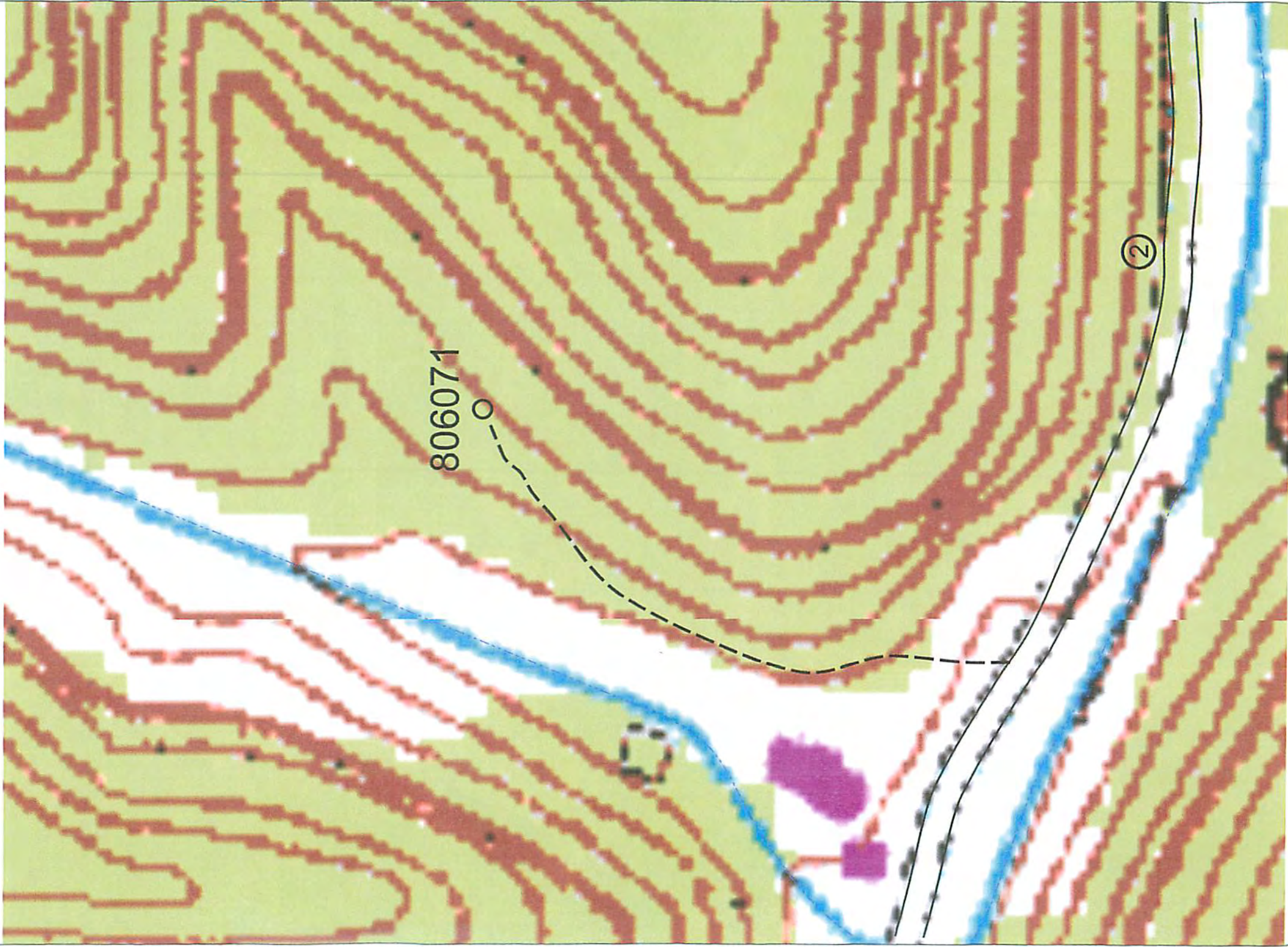
Received
Office of Oil & Gas
JAN 20 2015

②

02/27/2015

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

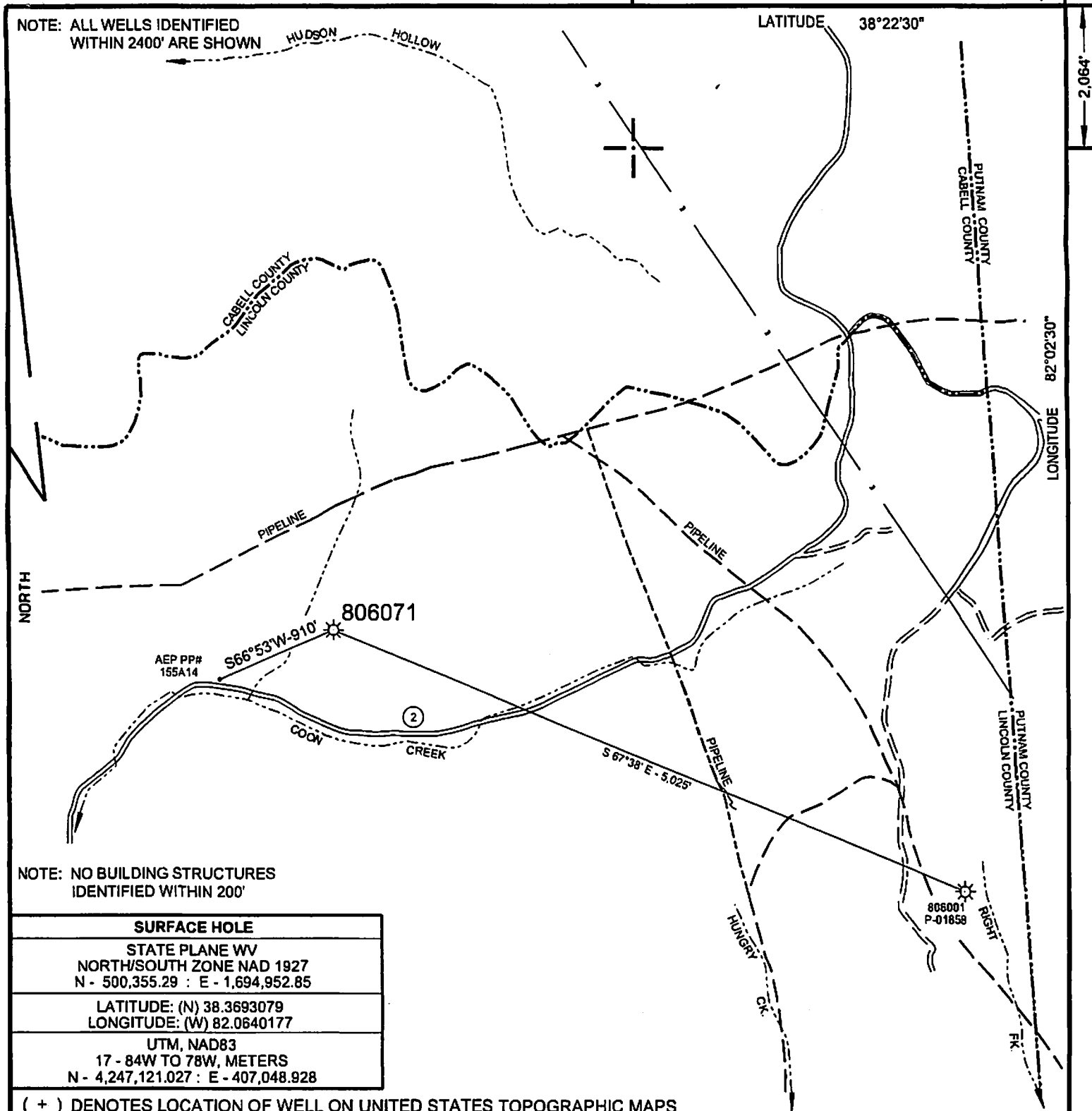
CHESAPEAKE ENERGY CORPORATION - EASTERN DIVISION
P.O. BOX 579 - 8165 COURT AVENUE - HAMLIN, WV 25523

304 824-5141 - FAX 304 824-2247

4301890 P

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

LATITUDE 38°22'30"



NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

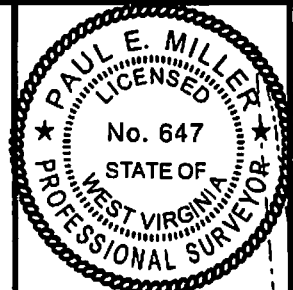
SURFACE HOLE	
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 500,355.29 : E - 1,694,952.85	
LATITUDE: (N) 38.3693079 LONGITUDE: (W) 82.0640177	
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,247,121.027 : E - 407,048.928	

(+) 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.I.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 _____

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) _____

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°02'29"

NORTH

PIPELINE

PIPELINE

806071

AEP PP#
155A14

S66°53'W-910'

COON CREEK

S 67°38' E - 5,025'

PIPELINE

HUNGRY CK.

806001
P-01858

NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

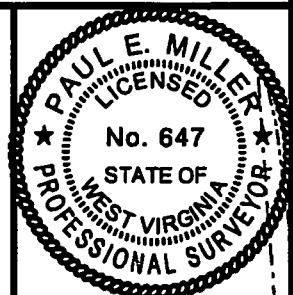
SURFACE HOLE
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 500,355.29 : E - 1,694,952.85
LATITUDE: (N) 38.3683078 LONGITUDE: (W) 82.0640177
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,247,121.027 : E - 407,048.928

(+) 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.

47 043 01890 P
STATE COUNTY PERMIT

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. _____

02/27/2015

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 _____

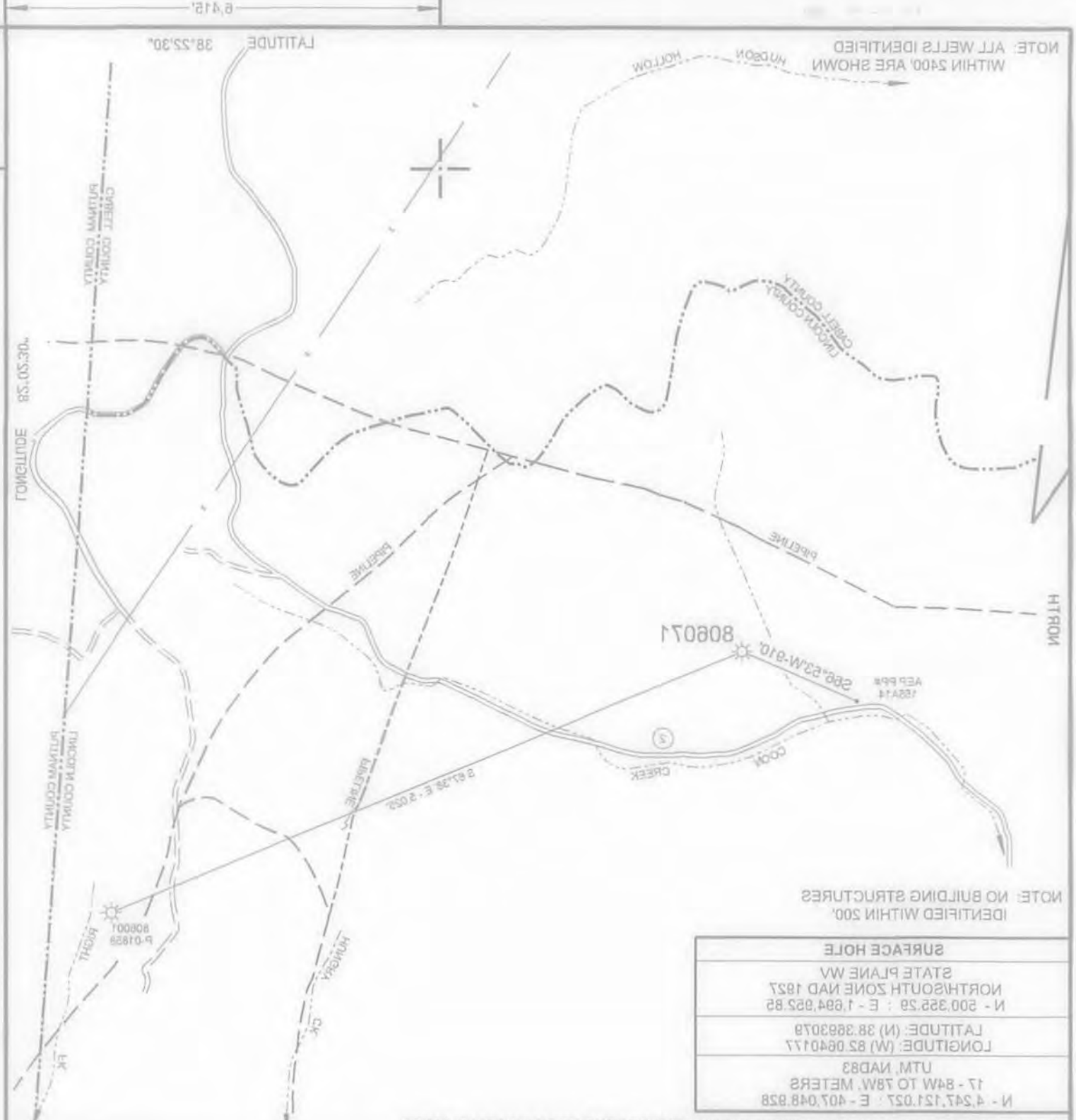
WELL OPERATOR CHESAPEAKE APPALACHIA, L.L.C. DESIGNATED AGENT JESSICA GREATHOUSE

ADDRESS PO BOX 18486 OKLAHOMA CITY, OK 73154-0486 ADDRESS PO BOX 6070 CHARLESTON, WV 26362

FORM WW-6

COUNTY NAME

PERMIT



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



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.I.S. 647

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

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

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

STATE 47 COUNTY 043 PERMIT 01880 P

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
 LEASE ACREAGE _____ 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 APALACHIA, L.L.C. DESIGNATED AGENT JESSICA GREATHOUSE
 ADDRESS PO BOX 18488 OKLAHOMA CITY, OK 73154-0488 ADDRESS PO BOX 8070 CHARLESTON, WV 26302

02/27/2015

B-WV M901