



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

April 15, 2014

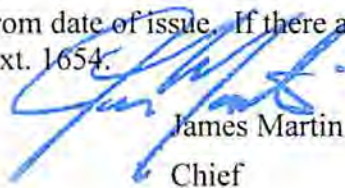
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4302959, 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: 823206
Farm Name: LAMBROS, IRALANE McCOY
API Well Number: 47-4302959
Permit Type: Plugging
Date Issued: 04/15/2014

Promoting a healthy environment.

04/18/2014

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.

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

1) Date: 4/2/2014
 2) Operator's Well No. 823206 P&A
 3) API Well No. 47-043-02959

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 1,078' Watershed Plum Branch of Tenmile Creek
 District Laurel Hill County Lincoln Quadrangle Ranger, WV 7.5'

6) Well Operator Chesapeake Appalachia, L.L.C. 7) Designated Agent Eric B. Gillespie
 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

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

Work Order approved by Inspector Ralph D. Triplett Date April 9, 2014

04/18/2014

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Department of
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823206 P&A PROCEDURE

- 1) Prepare road and location, MIRU service rig
- 2) Either:
 - A) Set CIBP at 2920', place 100' cement plug 2920'-2820', load hole with gel
or
 - B) Run W.S. to 3000', load hole with gel, pull W.S. to 2900', spot 100' cement plug 2900'-2800'
- 3) Pull or run W.S. to 2475', spot 125' cement plug 2475'-2350', pull W.S.
- 4) Cut 4 ½" at free-point (approximately 2050') and pull
- 5) Run W.S. to 2050', load hole with gel
- 6) Spot 100' cement plug 2050'-1950', pull W.S. to 1900'
- 7) Spot 100' cement plug 1900'-1800', pull W.S. to 1725'
- 8) Spot 100' cement plug 1725'-1625', pull W.S. to 1200'
- 9) Spot 100' cement plug 1200'-1100', pull W.S. to 950'
- 10) Spot 100' cement plug 950'-850', pull W.S. to 300
- 11) Spot 130' cement plug 300'-170', pull W.S. to 150'
- 12) Spot 150' cement plug 150' – surface
- 13) Pull W.S. and top off with cement
- 14) Erect monument and reclaim as prescribed by law

RDT

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WV Department of
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WV Division of
Environmental Protection
WR-35
134 1 7 1997
Permitting
Division of Oil & Gas

03-Jul-97
API # 47-43-02959

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: LAMBROS, IRALANE McCOY Operator Well No.: 23206

LOCATION: Elevation: 1,085.63 Quadrangle: RANGER

District: LAUREL HILL County: LINCOLN
Latitude: 7350 Feet South of 38 Deg. 7 Min. 30 Sec.
Longitude 5600 Feet West of 82 Deg. 12 Min. 30 Sec.

Company: COLUMBIA NATURAL RESOURCE
P. O. BOX 6070
CHARLESTON, WV 25362-0000

Agent: W. A. WATSON, JR.

Inspector: DAVE BELCHER
Permit Issued: 07/07/97
Well work Commenced: 9/2/97
Well work Completed: 10/5/97
Verbal Plugging _____
Permission granted on: _____
Rotary X Cable Rig _____
Total Depth (feet) 3657
Fresh water depths (ft) 264

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9 5/8"	353	353	177
7"	1674	1674	352
4 1/2"		3612	173

Salt water depths (ft) 1238

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 198-201 264-265

OPEN FLOW DATA

Producing formation DEVONIAN SHALE Pay zone depth (ft) 2646'-3532'
 Gas: Initial open flow --- MCF/d Oil: Initial open flow --- Bbl/d
 Final open flow 733 MCF/d Final open flow --- Bbl/d
 Time of open flow between initial and final tests 72 Hours
 Static rock Pressure 210 psig (surface pressure) after 72 Hours

Second producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
 Final open flow _____ MCF/d Final open flow _____ Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: COLUMBIA NATURAL RESOURCES, INC.
By: W. A. Watson Jr.
Date: 11/6/98

LIN 2954
656C

04/18/2014

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APR 10 2014

Well 823206
API 47-043-02959

4704302959P

WELL # 23206

PERFORATIONS:

Stage 1, Perforations: 47 holes from 2646' to 3532'

Stage 2, Perforations: _____ holes from _____ to _____

Stage 3, Perforations: _____ holes from _____ to _____

Stage 4, Perforations: _____ holes from _____ to _____

FRACTURING:

1ST STAGE: DEVONIAN SHALE

Perforations from 2646' - 3532', Acid --- gal. --- HCL,
Breakdown @ 1841 PSI, Avg. Rate 46,930 SCFM
ATP 2393 PSI, Total H₂O --- Bbl., Total sand --- #
Total N₂ 1,411,200 Scf. I.S.I.P. 1900 psi 15 min. 610 psi

2ND STAGE: _____

Perforations from _____ - _____, Acid _____ gal. _____ HCL,
Breakdown @ _____ PSI, Avg. Rate _____ BPM,
ATP _____ PSI, Total H₂O _____ Bbl., Total sand _____ #
Total N₂ _____ Scf. I.S.I.P. _____ 15 min. _____

3RD STAGE: _____

Perforations from _____ - _____, Acid _____ gal. _____ HCL,
Breakdown @ _____ PSI, Avg. Rate _____ BPM,
ATP _____ PSI, Total H₂O _____ Bbl., Total sand _____ #
Total N₂ _____ Scf. I.S.I.P. _____ 15 min. _____

4TH STAGE: _____

Perforations from _____ - _____, Acid _____ gal. _____ HCL,
Breakdown @ _____ PSI, Avg. Rate _____ BPM,
ATP _____ PSI, Total H₂O _____ Bbl., Total sand _____ #
Total N₂ _____ Scf. I.S.I.P. _____ 15 min. _____

04/18/2014

WV Dept of Environmental Protection

Well 823206
API 47-043-02959

4704302959P

Well Completion Data

CNR Well #: 23206
Permit #: 47-043-02946
County: Wayne
District: Stonewall
Prospect: Harts Creek
Field: Harts Creek Central

	Top	Base
Sand/Shale	0	935
Salt Sand	935	1190
Maxon Sand	1190	1620
Little Lino	1620	1695
Greenbrier Limestone	1695	1825
McCrady	1825	1895
Blair Limestone	1895	2000
Pocono Shale	2000	2435
Boonville Sand	2435	2505
Upper Devonian	2505	3245
Lower Huron Shale	3245	3540
Ontonagon Shale		
Rhinecliff Shale		

	Depth	McI
Show Gas 1	3395	
Show Gas 2	3305	
Show Gas 3	2440	
Show Gas 4		
Show Oil 1		
Show Oil 2		
Show Oil 3		
Show Water	1895	

Intermediate Casing	1673
Logger TD	3657
Formation @ TD	Lower Huron

Logging Suite: GR, LDT, CNL, DI, T, A TD to intermediate casing point, GR to surface. Memory PL as needed
Logging Date: 9/17/97

1.562 N17

04/18/2014

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Office of Oil and Gas
APR 10 2014
WV Department of
Environmental Protection

WW4-A
Revised
2/01

1) Date: 4/2/2014
2) Operator's Well No. 823206 P&A
3) API Well No. 47-043-02959

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 Iralane McCoy Lambros ✓
Address 38 Rolling Hills Drive
Lavalette, WV 25535

(b) Name _____
Address _____

(c) Name _____
Address _____

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

Telephone 304-389-0350

5) Coal Operator
(a) Name New Eagle Mining Corp. ✓
Address P.O. Box 1048
Holden, WV 25625

Coal Owner(s) with Declaration
(b) Name Pocahontas Land Corporation ✓
Address 800 Princeton Avenue
Bluefield, WV 24701

Name _____
Address _____

Coal Lessee with Declaration
(c) Name Rockspring Development, Inc. ✓
Address P.O. Box 390
East Lynn, WV 25512

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 2nd day of April the year of 2014
Phyllis A. Copley Notary Public
My Commission Expires September 16, 2018

04/18/2014

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4704302959P
APF 47-043-02959

CK 5137209
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U.S. Department of
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EAST LYNN WV 25512

Postage	\$ 2.02	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	\$ 8.02	04/09/2014

Sent To: **823206 P&A, 823208 P&A**
Rockspring Development, Inc.
P.O. Box 390
East Lynn, WV 25512

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HOLDEN WV 25625

Postage	\$ 2.03	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	\$ 8.03	04/09/2014

Sent To: **823206 P&A, 823208 P&A**
New Eagle Mining Corp.
P.O. Box 1048
Holden, WV 25625

7012 3460 0000 4499 2814

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BLUEFIELD WV 24701

Postage	\$ 2.02	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	\$ 8.02	04/09/2014

Sent To: **823206 P&A, 823208 P&A**
Pocahontas Land Corp.
800 Princeton Avenue
Bluefield, WV 24701

7012 3460 0000 4499 2838

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LAVALETTE WV 25535

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	04/09/2014

Sent To: **823206 P&A**
Iralane McCoy Lambros
38 Rolling Hills Drive
Lavalette, WV 25535

04/18/2014

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 Plum Branch of Tenmile Creek Quadrangle Ranger, WV 7.5'
Elevation 1,078' County Lincoln District Laurel Hill

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*

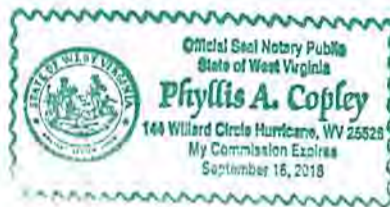
Company Official (Typed Name) David Gocke

Company Official Title Manager - Operations, Appalachia South

Subscribed and sworn before me this 3rd day of April, 2014

Phyllis A. Copley Notary Public.

My Commission Expires September 16, 2018





















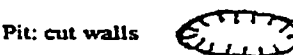
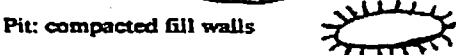
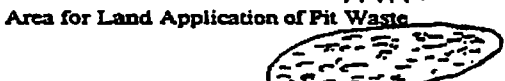
04/18/2014

WV
Environmental Protection

Attachment #1

API #: 47-043-02959
 Operator's Well No. 823206 P&A

LEGEND

- Property Boundary 
- Road 
- Existing Fence 
- Planned Fence 
- Stream 
- Open Ditch 
- Rock 
- North 
- Buildings 
- Water wells 
- Drill site 
- Diversion 
- Spring 
- Wet Spot 
- Drain Pipe with size in inches 
- Waterway 
- Cross Drain 
- Artificial Filter Strip 
- Pit: cut walls 
- Pit: compacted fill walls 
- Area for Land Application of Pit Waste 

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: Ralph D. Triplett

Title: District Inspector

Date: April 9, 2014

Field Reviewed? () Yes () No

Diagram of Well 823206

API 47-043-02959

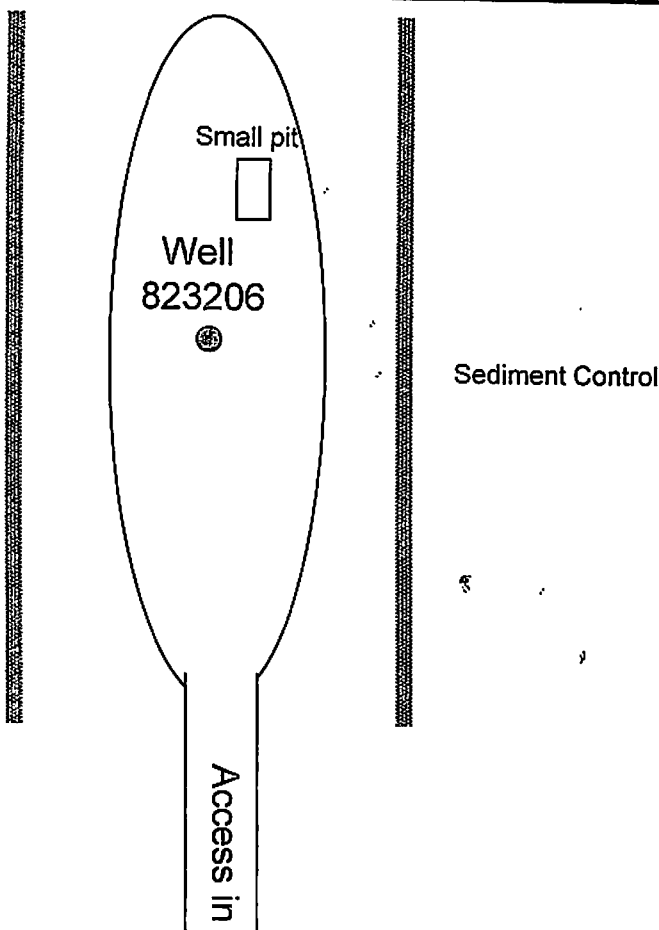
Field Office - Branchland

County - Lincoln

Surface Owner:
Iralane McCoy



*RDT
04/09/14*



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 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 areas that will allow. These structures will be considered permanent and used as such.

Permanent seeding: See Attachment #1

Site Plan

Prepared by: Kris Aldridge
Date: 4-9-2014

No Scale

04/18/2014

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APR 10 2014

Topographic Map of Access and Well

823206 Location

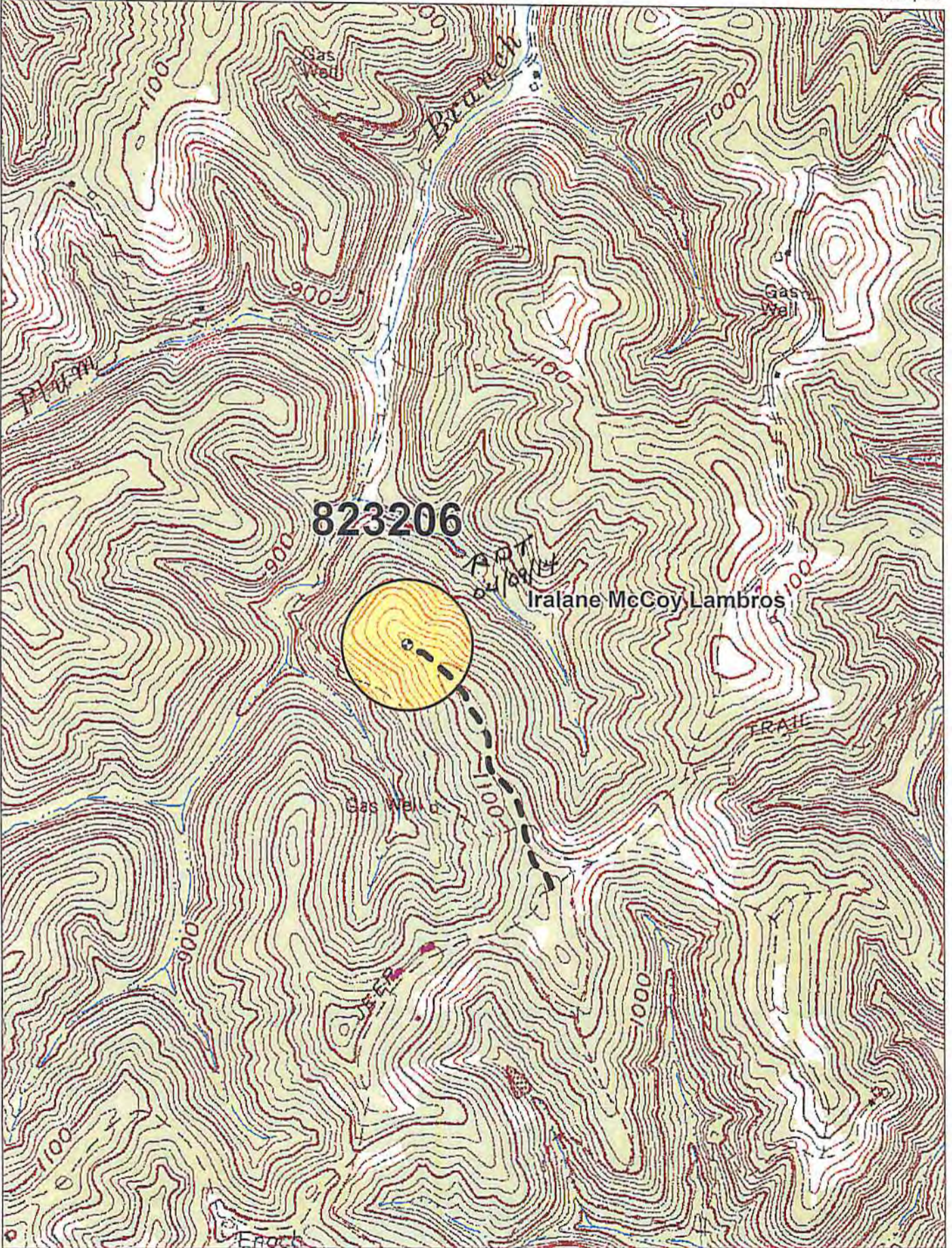
API 47-043-02959

Field Office - Branchland

County - Lincoln



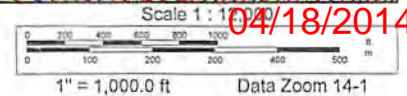
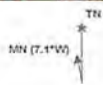
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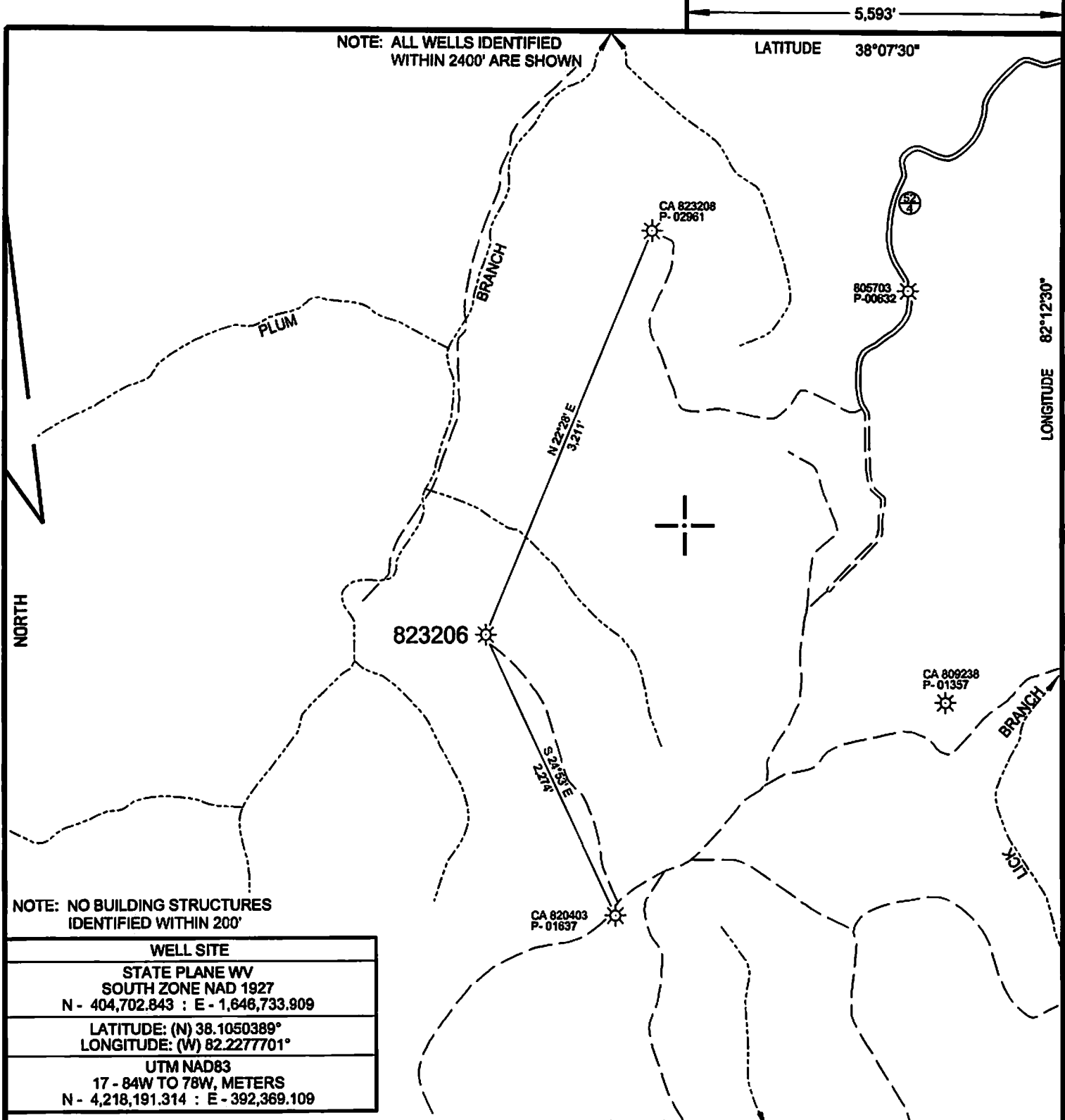


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www.delorme.com





NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

LATITUDE 38°07'30"

LONGITUDE 82°12'30"

NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

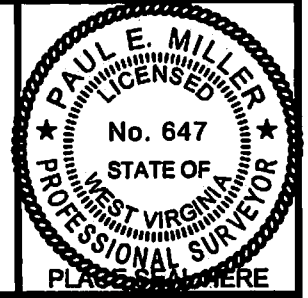
WELL SITE
STATE PLANE WV SOUTH ZONE NAD 1927 N - 404,702.843 : E - 1,646,733.909
LATITUDE: (N) 38.1050389° LONGITUDE: (W) 82.2277701°
UTM NAD83 17 - 84W TO 78W, METERS N - 4,218,191.314 : E - 392,369.109

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

FILE NO.	CA823208P&A.DGN
DRAWING NO.	823206P&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 2, 20 14
OPERATOR'S WELL NO. 823206
API WELL NO.

47 043 02959 P
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1,078' WATER SHED PLUM BRANCH OF TENMILE CREEK
DISTRICT LAUREL HILL COUNTY LINCOLN
QUADRANGLE RANGER, WV 7.5'

SURFACE OWNER IRALANE MCCOY LAMBROS ACREAGE 164.35
OIL & GAS ROYALTY OWNER CHESAPEAKE APPALACHIA, L.L.C. LEASE ACREAGE _____
LEASE NO. _____ FEE LAND _____

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 ERIC B. GILLESPIE
ADDRESS P.O. BOX 18496, OKLAHOMA CITY, OK 73154-0496 ADDRESS CHESAPEAKE APPALACHIA, L.L.C., P.O. BOX 18706, CHARLESTON, WV 25362

FORM WW-6

COUNTY NAME PERMIT

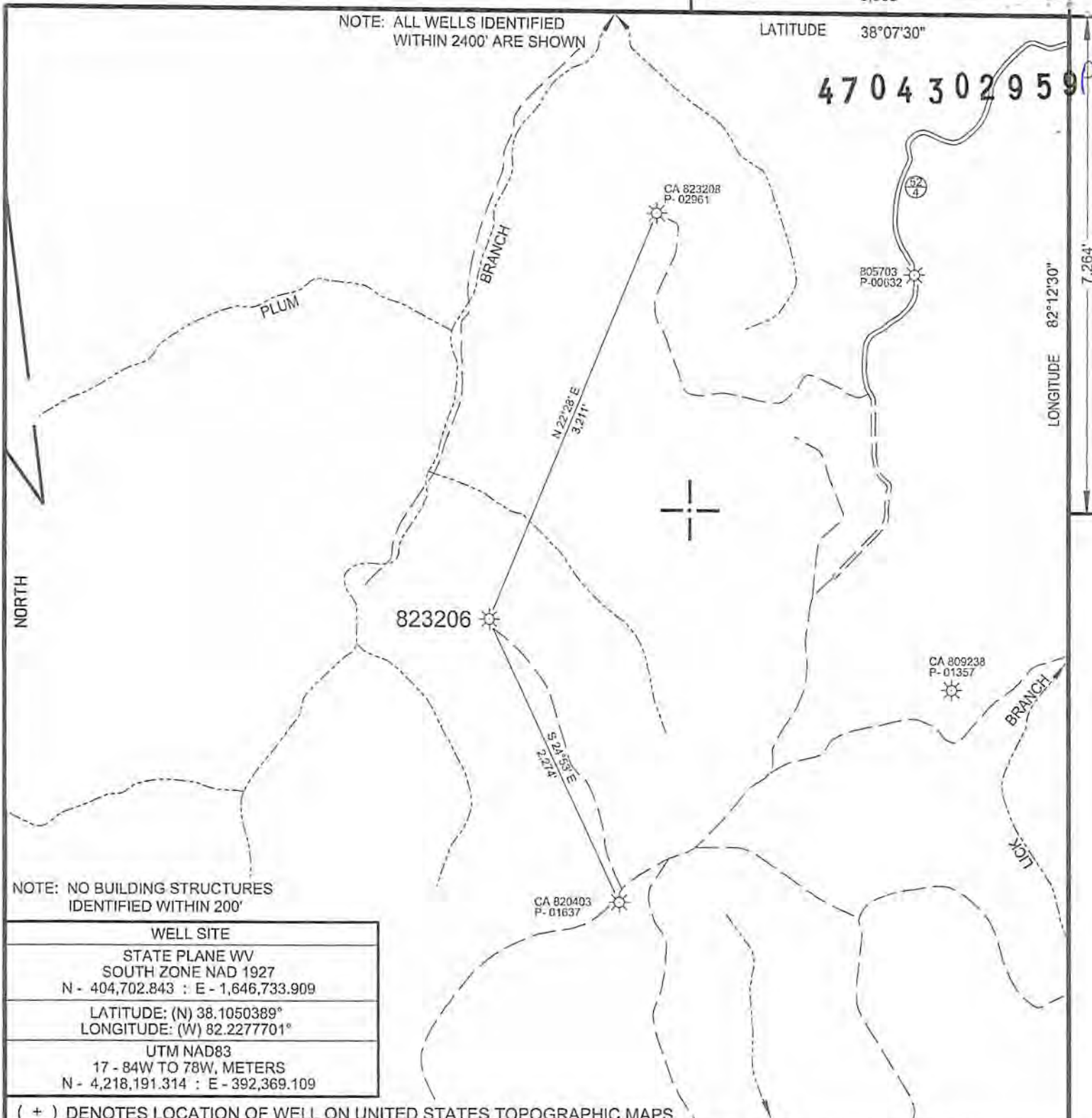
04/18/2014

Office

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

LATITUDE 38°07'30"

4704302959



NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

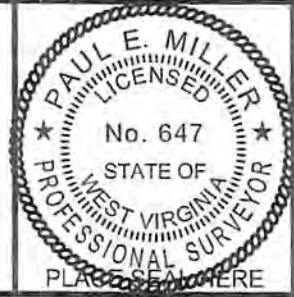
WELL SITE	
STATE PLANE WV SOUTH ZONE NAD 1927	
N - 404,702.843 : E - 1,646,733.909	
LATITUDE: (N) 38.1050389°	
LONGITUDE: (W) 82.2277701°	
UTM NAD83	
17 - 84W TO 78W, METERS	
N - 4,218,191.314 : E - 392,369.109	

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

FILE NO.	CA823206P&A.DGN
DRAWING NO.	823206P&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 2, 2014
OPERATOR'S WELL NO. 823206
API WELL NO.

47 043 02959 P
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1,078' WATER SHED PLUM BRANCH OF TENMILE CREEK
DISTRICT LAUREL HILL COUNTY LINCOLN
QUADRANGLE RANGER, WV 7.5'

SURFACE OWNER IRALANE MCCOY LAMBROS ACREAGE 164.35
OIL & GAS ROYALTY OWNER CHESAPEAKE APPALACHIA, L.L.C. LEASE ACREAGE
LEASE NO. FEE LAND

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 ERIC B. GILLESPIE
ADDRESS P.O. BOX 18496, OKLAHOMA CITY, OK 73154-0496 ADDRESS CHESAPEAKE APPALACHIA, L.L.C., P.O. BOX 6070, CHARLESTON, WV 25362

COUNTY NAME
PERMIT

04/18/2014

FORM WW-6