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

March 16, 2015

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-4300518, 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 penalities 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: 461
Farm Name: HUNTINGTON DEV & GAS
API Well Number: 47-4300518
Permit Type: Plugging
Date Issued: 03/16/2015

Promoting a healthy environment.

4300578P

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.

4300518P

API Number: 47-043-00518

805461 P&A Procedure

NOTE: 4 ½" casing was ran to 1840' and cemented. Top of cement is 1350'. Big Injun perforations from 1784'-1794, Big Lime perforations from 1674'-1678'.

1) Run W.S. to 1790', load hole with gel

2) Spot 290' cement plug 1790'-1500', pull W.S.

3) Cut 4 ½" at free-point (approximately 1300') and pull

4) Shoot or rip holes in 6 5/8" at approximately 50' above 4 ½" cut

5) Run W.S. to 1300', spot gel

6) Spot 100' cement plug 1300'-1200', pull W.S.

7) Cut 6 5/8" at free-point (approximately 930') and pull

8) Run W.S. to 930', spot gel

9) Spot 100' cement plug 930'-830', pull W.S. to 550'

10) Spot 100' cement plug 550'-450', pull W.S.

11) Attempt to pull 8 ¼"

   A) If successful

      a) Run W.S. to 380', spot gel

      b) Spot 100' cement plug 380'-280'

      c) Proceed to step 12

   B) If unsuccessful:

      a) Run W.S. to 400'

      b) Spot 100' cement plug 400'-300', pull W.S.

      c) Cut 8 ¼" at free-point (approximately 150') and pull

      d) Proceed to step 12

12) Pull or run W.S. to 150'

13) Spot 150' cement plug 150'-surface

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

15) Erect monument and reclaim as prescribed by law

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JAN 22 2015

Copy for inspector to sign

4300518P

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

1) Date: 1/12/2015
2) Operator's Well No. 805461 P&A
3) API Well No. 47-043-00518

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 1118' Watershed Ninemile Creek of Guyan River
District Laurel Hill County Lincoln Quadrangle Branchland, WV 7.5'

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

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

8) Oil and Gas Inspector to be notified
Name Ralph Triplett
Address 5539 McClellan Highway
Branchland, WV 25506

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 1-20-15

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Well 805461
API 47-043-00518P
Page 1 of 2

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. LIN-518

Oil or Gas Well GAS (KIND)

Company United Fuel Gas Company
Address Charleston, W. Va.
Farm Huntington Dev. & Gas Co. Acres 17,695.87
Location (waters) Nine Mile Creek
Well No. 5461 Elev. 1,150 B.
District Laurel Hill County Lincoln
The surface of tract is owned in fee by
Address
Mineral rights are owned by Huntington Dev.& Gas Co.
Address Charleston, W.Va.
Drilling commenced 8-18-44
Drilling completed 12-10-44
Date Shot 12-14-44 From 3204 To 3549
With 3300# Detonite
Open Flow 20 /10ths Water in 2 Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure 185 lbs. 72 hrs.
Oil bbls., 1st 24 hrs.
Fresh water feet feet
Salt water feet feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10	21	21	Size of
8¼	331	331	
6⅝	1579	1579	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. Ft. Date

COAL WAS ENCOUNTERED AT 108 FEET 48 INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	18			
Slate			18	30			
Sand			30	42			
Slate			42	108			
Coal			108	112			
Sand			112	140			
Slate			140	160			
Sand			160	195			
Slate			195	230			
Sand			230	325			
slate			325	375			
Sand			375	400			
Slate			400	435			
Sand			435	455			
Slate & Shells			455	540			
Sand			540	590			
Slate & Shells			590	820			
Sand			820	845			
Slate			845	920			
Salt Sand			920	1008			
Slate			1008	1011			
Sand			1011	1275			
Slate & Shells			1275	1289			
Maxon Sand			1289	1332			
Slate			1332	1335			
Lime Shell			1335	1349			
Slate & Shell			1349	1528			
Little Lime			1528	1554			
Pencil Cave			1554	1558			
Big Lime			1558	1726	Gas	1684-1690	
Break			1726	1728			
Injun Sand			1728	1766			
Slate & Shells			1766	2111			
Blue Slate			2111	2310			
Coffee Shale			2310	2323			
Berea Sand			2323	2342			
Slate & Shells			2342	2418			
White Slate			2418	2700			

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(Over)

well 805461 API 47-043-00518P

Page 2 of 2

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Gray Shale			2700	2770			
White Slate			2770	2837			
Gray Shale			2837	3036			
White Slate			3036	3205			
Brown Shale			3205	3535	Gas	3420, 3480	
White Slate			3535	3550			
Total Depth			3550				

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Date Feb. 16, 194

APPROVED UNITED FUEL GAS COMPANY, Owner

By G. A. Cunningham

(Title) Engineer

4300518P

WW4-A
Revised
2/01

1) Date: 1/12/2015
2) Operator's Well No. 805461 P&A
3) API Well No. 47-043-00518

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 Heartwood Forestland Group
Address C/O Craig Kaderavak
19045 Stone Mountain Road
Abingdon, VA 24210

(b) Name Lois Adkins
Address 293 Nine Mile Creek
Midkiff, WV 25540

(c) Name Bryan and Lisa Stevens
Address P.O. Box 473
Hamlin, WV 25523

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 Pocahontas Land Corporation
Address 800 Princeton Avenue
Bluefield, WV 24701

Name
Address

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.

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

Well Operator: Chesapeake Appalachia, L.L.C.
By: R.S. Schmitt
Its: Completion Superintendent, 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

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Well 805461 P&A
API 47-043-00518

Surface Owners

Heartwood Forestland Group
C/O Craig Kaderavak
19045 Stone Mountain Road
Abingdon, VA 24210

Bryan and Lisa Stevens
P.O. box 473
Hamlin, WV 25523

Lois Adkins
293 Nine Mile Creek
Midkiff, WV 24210

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Well 805461 P&A
API 47-043-00518

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ABINGDON VA 24210
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Postage	$ $1.61	0523
Certified Fee	$3.30	01
Return Receipt Fee (Endorsement Required)	$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	$0.00	
Total	$7.61	01/15/2015

7010 3090 0002 9275 3738

Sent To
Street, Apt. or PO Box
City, State
805461 P&A
Heartwood Forestland Group
C/O Craig Kaderavak
19045 Stone Mountain Road
Abingdon, VA 24210

PS Form 3800, August 2006 See Reverse for Instructions

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MIDKIFF WV 25540
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Return Receipt Fee (Endorsement Required)	$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	$0.00	
Total	$7.61	01/15/2015

7010 3090 0002 9275 3745

Sent To
Street, Apt. or PO Box
City, State
805461 P&A
Lois Adkins
293 Nine Mile Creek
Midkiff, WV 25540

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Return Receipt Fee (Endorsement Required)	$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	$0.00	
Total	$7.61	01/15/2015

7010 3090 0002 9275 3714

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805461 P&A
Bryan and Lisa Stevens
P.O. Box 473
Hamlin, WV 25523

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BLUEFIELD WV 24701
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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	$ $7.61	01/15/2015

7010 3090 0002 9275 3721

Sent To
Street, Apt. or PO Box
City, State
805461 P&A
Pocahontas Land Corporation
800 Princeton Avenue
P.O. Box 1517
Bluefield, WV 24701

PS Form 3800, August 2006 See Reverse for Instructions

4306518 P

Form WW-9
Rev. 02/01

API Number 47-043-00518
Operator's Well No. 805461 P&A

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

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

Watershed Ninemile Creek of Guyan River Quadrangle Branchland, WV 7.5'

Elevation 1118' 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:

X Land Application
___ Underground Injection (UIC Permit Number_____)
___ Reuse (at API Number_____)
___ Off Site Disposal (Supply form WW-9 for disposal location)
___ Other (Explain_____)

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Proposed Work For Which Pit Will Be Used:

___ Drilling
___ Workover
___ Swabbing
X Plugging
___ Other (Explain_____)

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on December 31, 1999, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature R.E. Schindler

Company Official (Typed Name) Robert E. Schindler

Company Official Title Completion Superintendent, Appalachia South

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

Phyllis A. Copley Notary Public.

My Commission Expires September 16, 2018

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

4300518P

Attachment #1

API #: 47-043-00518
Operator's Well No. 805461 P&A

LEGEND

Property Boundary
Road
Existing Fence
Planned Fence
Stream
Open Ditch
Rock
North N
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 Seed Type	lbs/acre	Area II 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 OOG

Date: 1-20-15

Field Reviewed? (✓) Yes ( ) No

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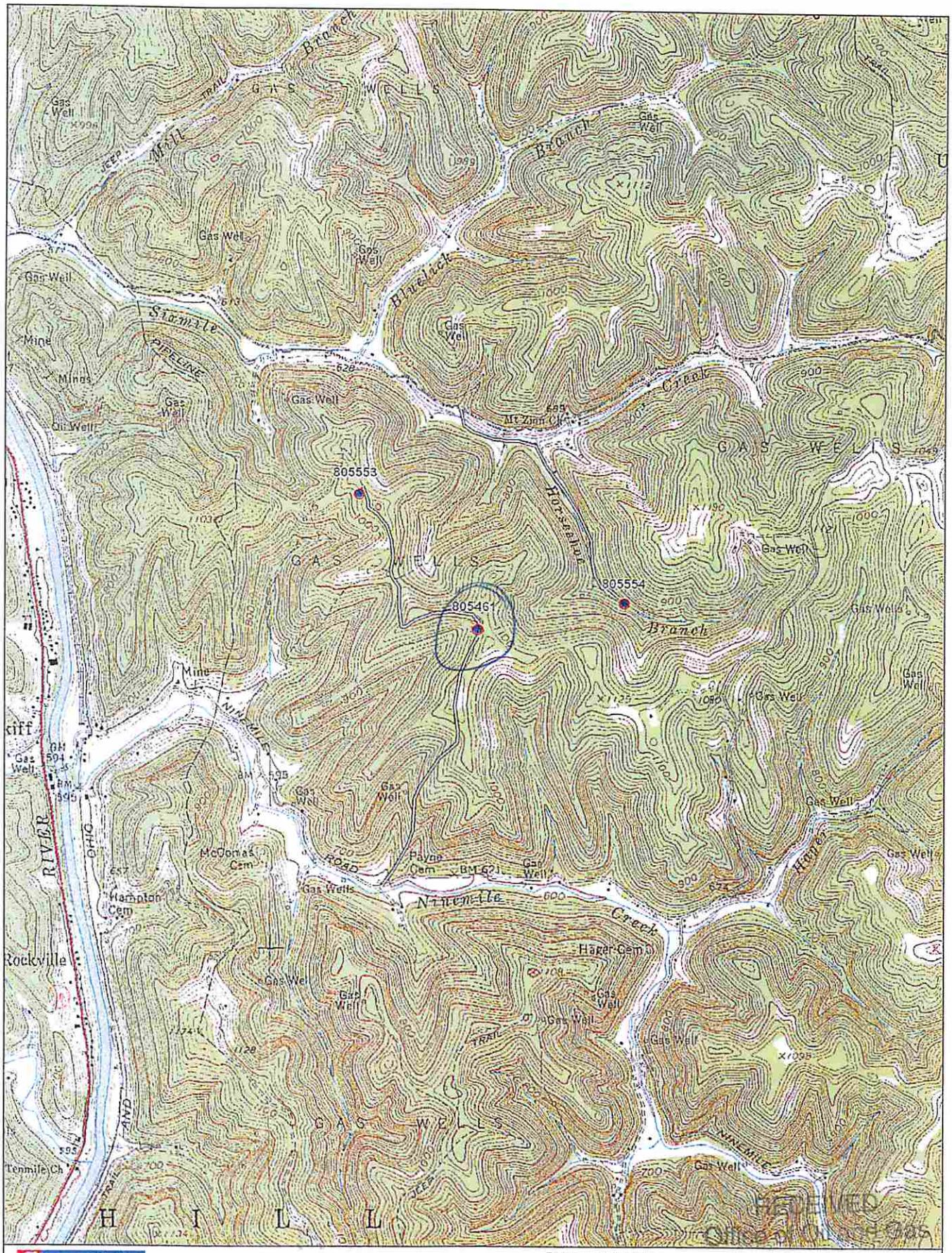
JAN 22 2015

Well 805461 API 47-043-00518 P



DeLORME

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Zoom Level: 14-0 Datum: WGS84

Scale 1 : 24,000
1" = 2,000 ft

TN
MN
6.5°W

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43 00518P

WW-7
8-30-06

CK 5230506
$ 100.00

West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-043-00518 WELL NO.: 805461

FARM NAME: Huntington Dev & Gas Co.

RESPONSIBLE PARTY NAME: Rob Schindler

COUNTY: Lincoln DISTRICT: Laurel Hill

QUADRANGLE: Branchland

SURFACE OWNER: See attached sheet

ROYALTY OWNER: Chesapeake Appalachia, L.L.C.

UTM GPS NORTHING: UTM NADA 83 4,226,447.563

UTM GPS EASTING: UTM NADA 83 398,810.671 GPS ELEVATION: 1118'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS ____: Post Processed Differential ____

Real-Time Differential ____

Mapping Grade GPS X: Post Processed Differential X

Real-Time Differential ____

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

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R.G. Schindler — Signature

Completions Superintendent — Title

1-15-15 — Date

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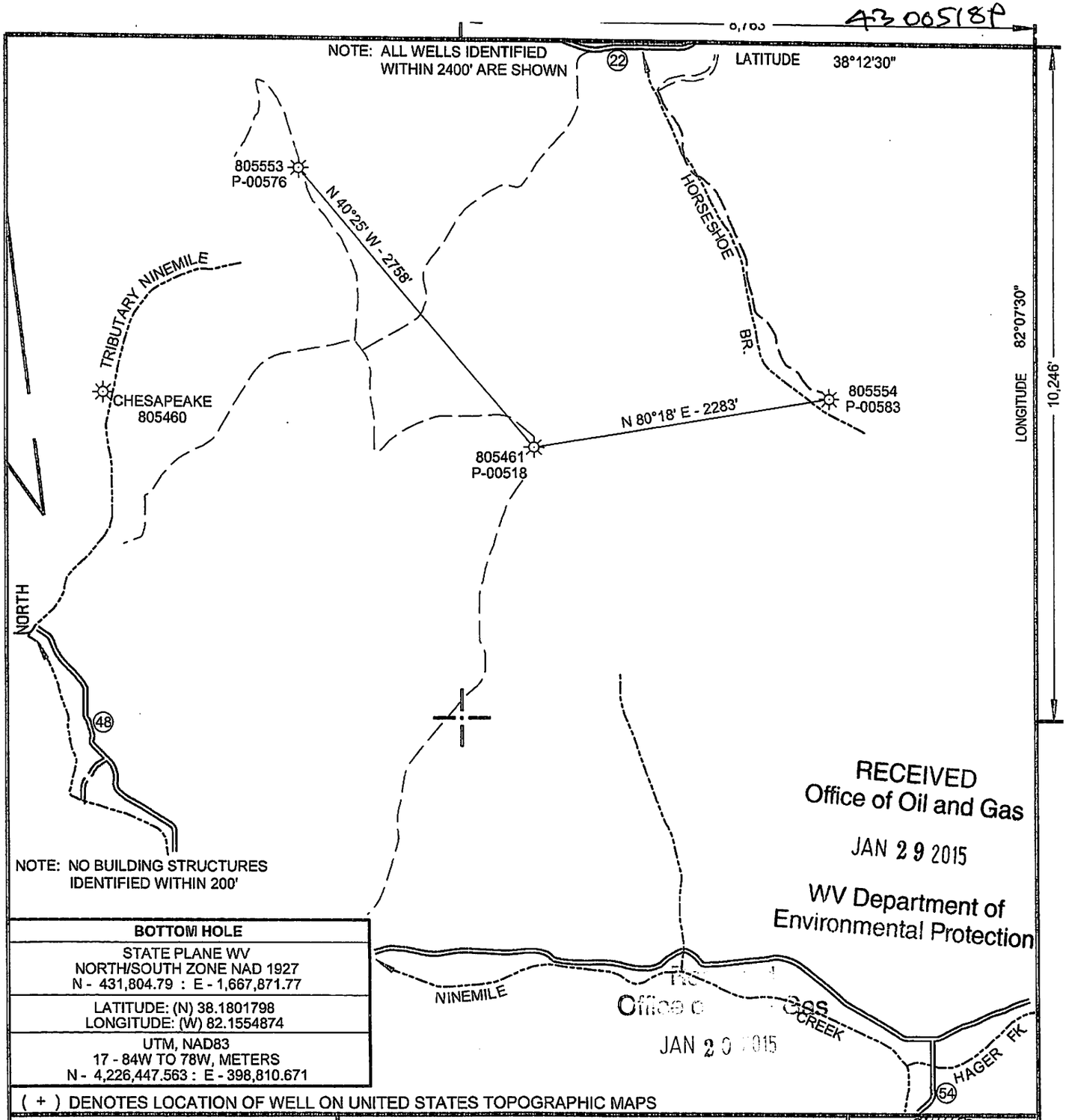

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BOTTOM HOLE
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 431,804.79 : E - 1,667,871.77
LATITUDE: (N) 38.1801798 LONGITUDE: (W) 82.1554874
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,226,447.563 : E - 398,810.671

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

FILE NO. 805461WO.DGN
DRAWING NO. 5461 WO
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) [signature]
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

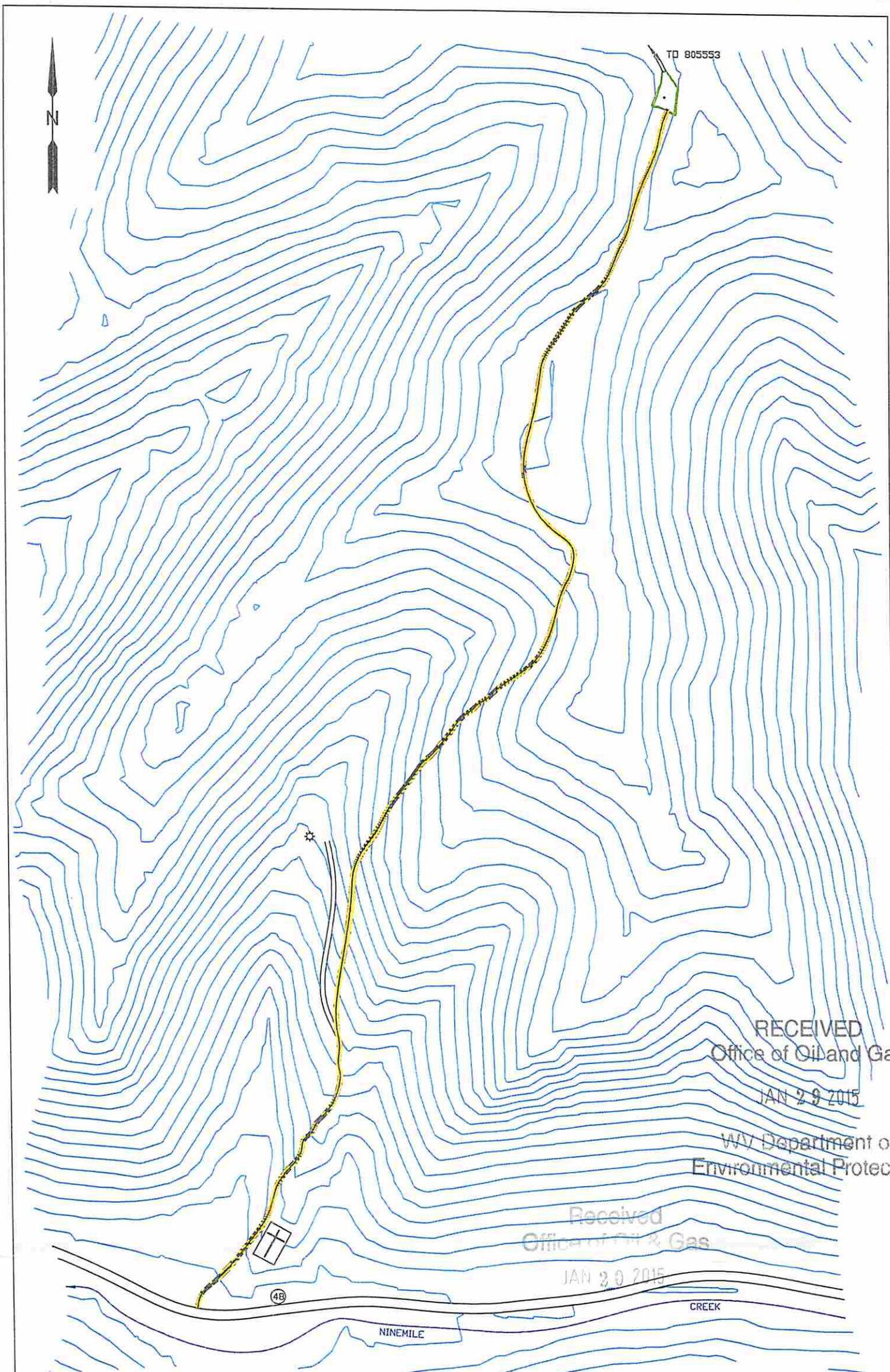
DATE MAY 12, 20 14
OPERATOR'S WELL NO. 805461
API WELL NO.
47 (STATE) 043 (COUNTY) 00518 P (PERMIT)

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1118' WATER SHED NINEMILE CREEK OF GUYAN RIVER
DISTRICT LAUREL HILL COUNTY LINCOLN
QUADRANGLE BRANCHALAND, WV 7.5'
SURFACE OWNER HEARTWOOD FORESTLAND ACREAGE -
OIL & GAS ROYALTY OWNER CHESAPEAKE APPALACHIA, L.L.C. LEASE ACREAGE
LEASE NO. FEE LAND (GAS)
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ~~WORKOVER~~ P+A
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION _____ ESTIMATED DEPTH _____
WELL OPERATOR CHESAPEAKE APPALACHIA, L.L.C. DESIGNATED AGENT ERIC B. GILLISPIE
ADDRESS PO BOX 18496 OKLAHOMA CITY, OK 73154-0496 ADDRESS PO BOX 6070 CHARLESTON, WV 25362

COUNTY NAME
PERMIT

FORM WW-6

4300518P



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DISTURBED AREAS	
EXISTING WELL PAD	0.54 AC.
EXISTING ACCESS ROAD	0.16 AC.
ADDITIONAL CLEARING	
TOTAL DISTURBED AREA	0.70 AC

LEGEND

- STREAM
- PROPERTY LINE
- SLOPE AREA
- WETLAND
- BUFFER AREA

SITE PLAN

CHESAPEAKE APPALACHIA, L.L.C.
PROPOSED WORKOVER OF WELL 805461

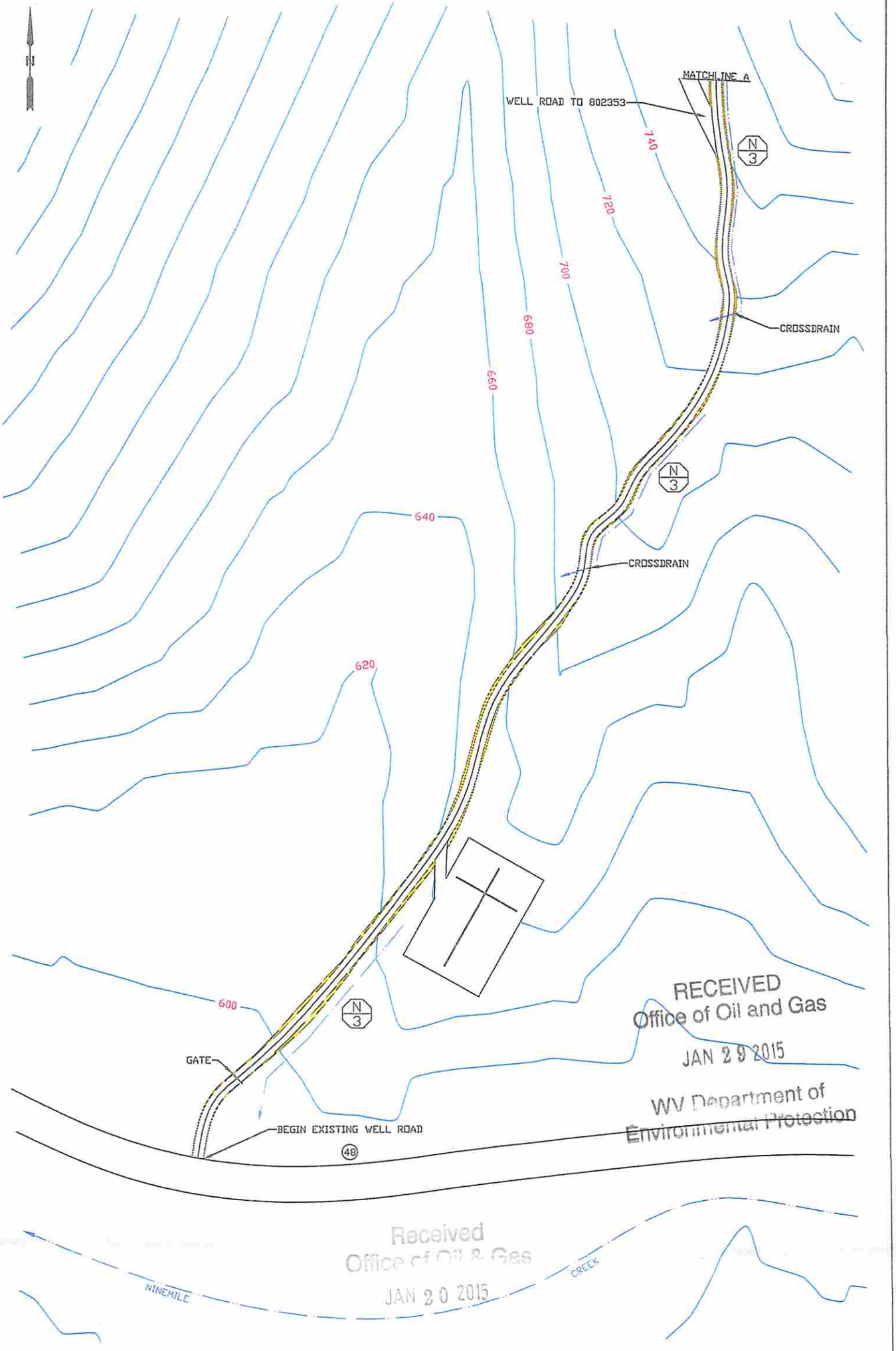
LAUREL HILL DISTRICT, LINCOLN COUNTY
BRANCHLAND QUAD, WV 7.5'

JUNE 17, 2014

TRUE LINE SURVEYING
6211 FAIRVIEW DR.
HUNTINGTON, WV 25705

PAGE 1 OF 1

4300578P



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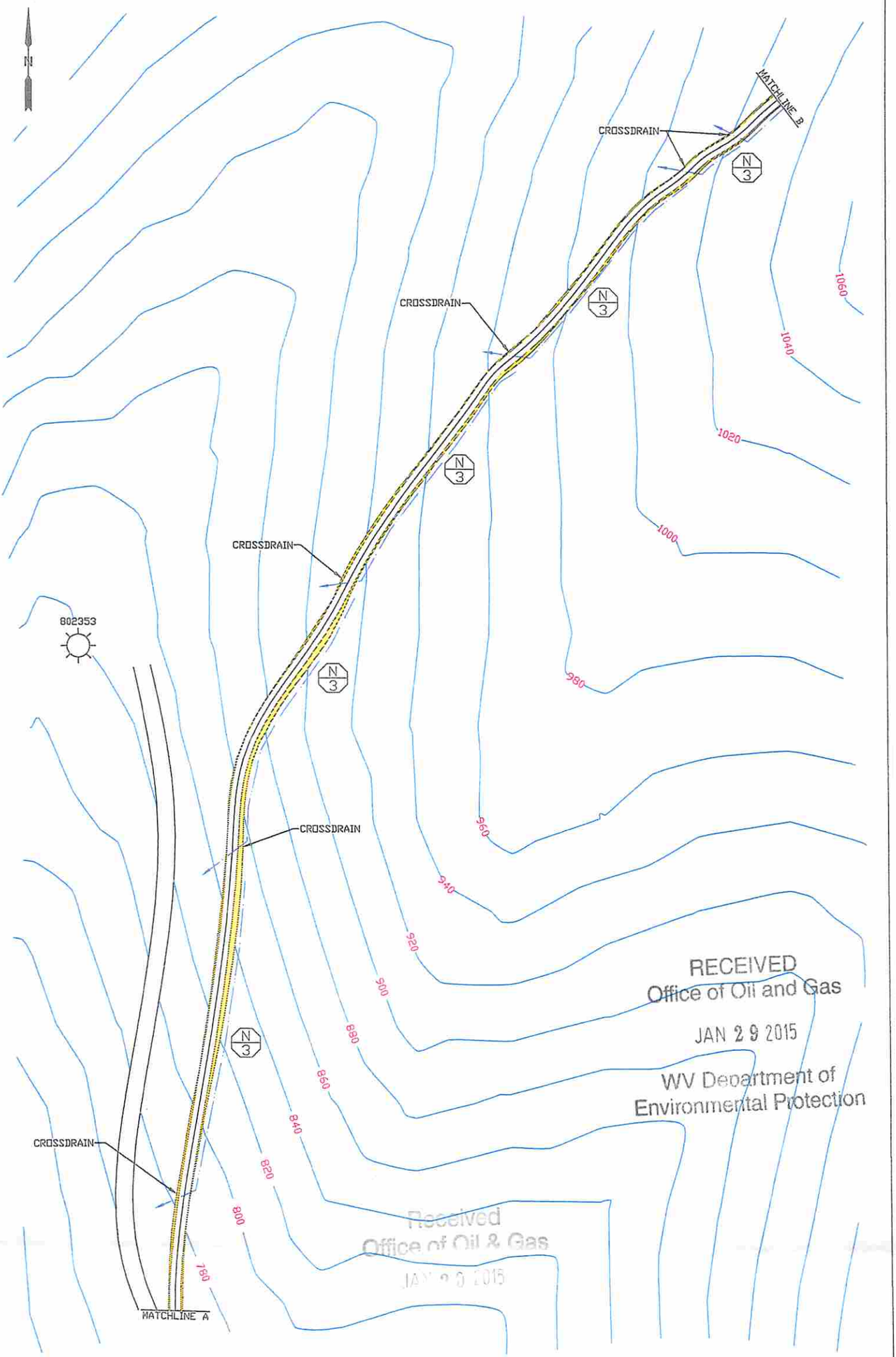
LEGEND			EROSION AND SEDIMENT CONTROL PLAN
N 1	PROVIDE FLEXTERRA HIGH PERFORAMNCE FLEXABLE GROWTH MEDIUM (HP-FLM) ON CUT AND FILL SLOPES	STREAM	CHESAPEAKE APPALACHIA, L.L.C. PHA PROPOSED WORKOVER WELL # 805461
N 2	LEVEL SPREADER	PROPERTY LINE	LAUREL HILL DISTRICT, LINCOLN COUNTY BRANCHLANDL QUAD, WV 7.5'
N 3	DIVERSION DITCH	SLOPE AREA	JUNE 9, 2014
N 4	BERM OUTLET	WETLAND	TRUE LINE SURVEYING 6211 FAIRVIEW DR. HUNTINGTON, WV 25705
		FS24 — 24" COMPOST FILTER SOCK AS REQUIRED	PAGE 1 OF 4

4300578P



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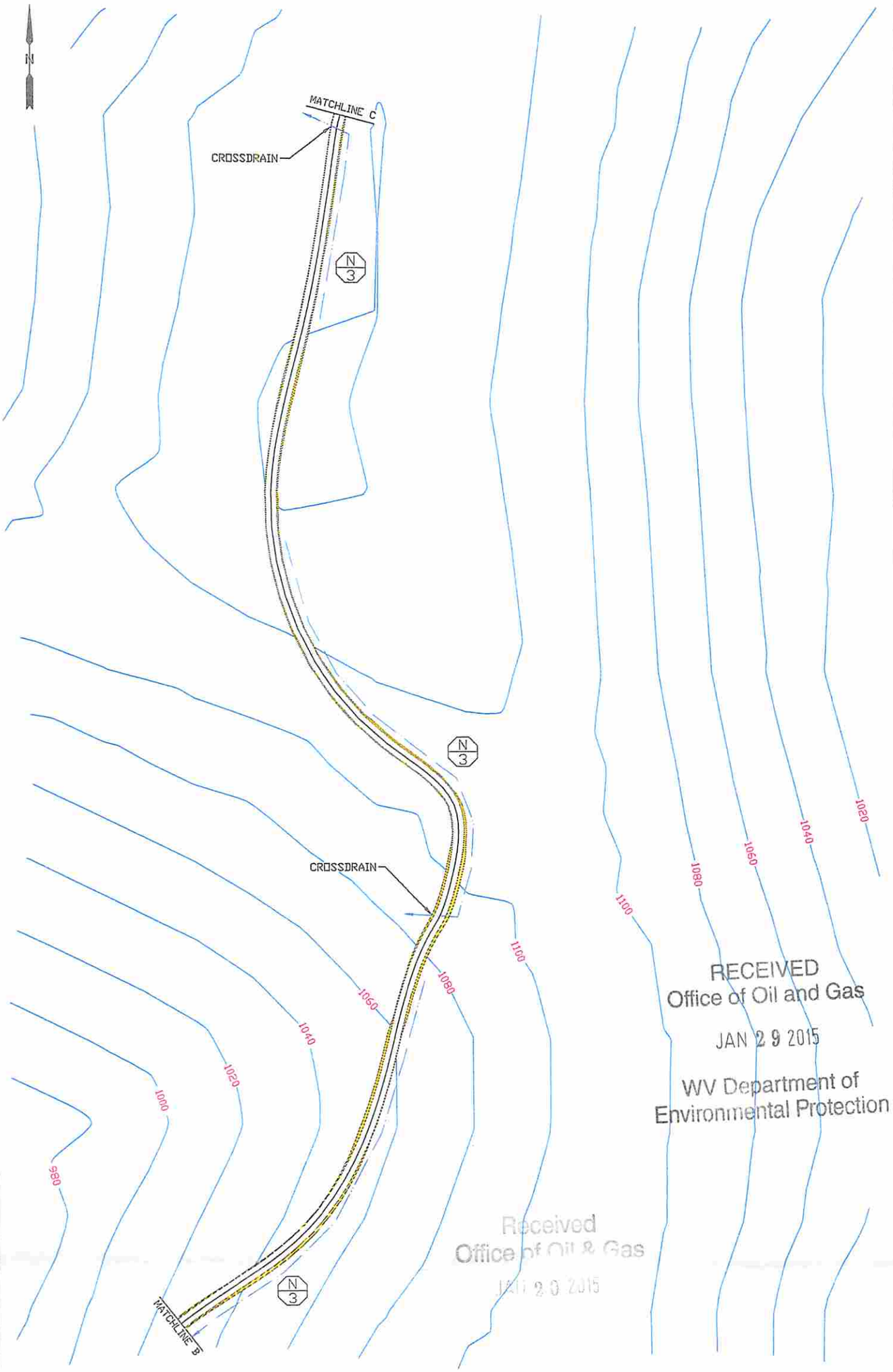
LEGEND			EROSION AND SEDIMENT CONTROL PLAN
N 1 PROVIDE FLEXTERRA HIGH PERFORAMNCE FLEXABLE GROWTH MEDIUM (HP-FLM) ON CUT AND FILL SLOPES		STREAM	CHESAPEAKE APPALACHIA, L.L.C. PROPOSED WORKOVER OF WELL # 805461
N 2 LEVEL SPREADER		PROPERTY LINE	LAUREL HILL DISTRICT, LINCOLN COUNTY BRANCHLAND QUAD, WV 7.5'
N 3 DIVERSION DITCH		SLOPE AREA	JUNE 9, 2014
N 4 BERM OUTLET		WETLAND	TRUE LINE SURVEYING 6211 FAIRVIEW DR. HUNTINGTON, WV 25705
	FS24	24" COMPOST FILTER SOCK AS REQUIRED	PAGE 2 OF 4

4300518P



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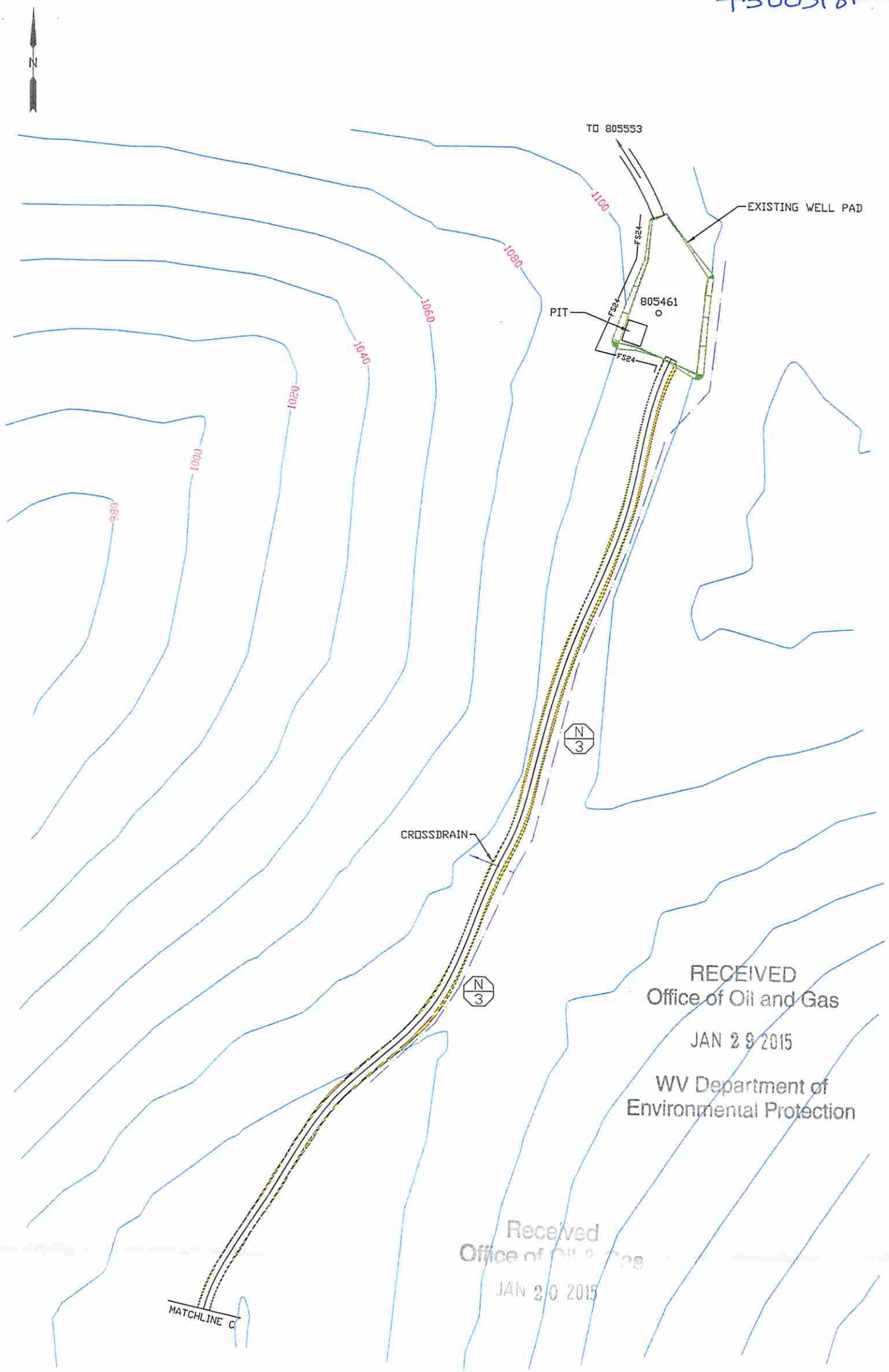
LEGEND			EROSION AND SEDIMENT CONTROL PLAN
N 1	PROVIDE FLEXTERRA HIGH PERFORAMNCE FLEXABLE GROWTH MEDIUM (HP-FLM) ON CUT AND FILL SLOPES	STREAM	CHESAPEAKE APPALACHIA, L.L.C. PROPOSED WORKOVER OF WELL # 805461
N 2	LEVEL SPREADER	PROPERTY LINE	LAUREL HILL DISTRICT, LINCOLN COUNTY BRANCHLAND QUAD, WV 7.5'
N 3	DIVERSION DITCH	SLOPE AREA	JUNE 9, 2014
N 4	BERM OUTLET	WETLAND	TRUE LINE SURVEYING 6211 FAIRVIEW DR. HUNTINGTON, WV 25705
		FS24 — 24" COMPOST FILTER SOCK AS REQUIRED	PAGE 3 OF 4

4300518P



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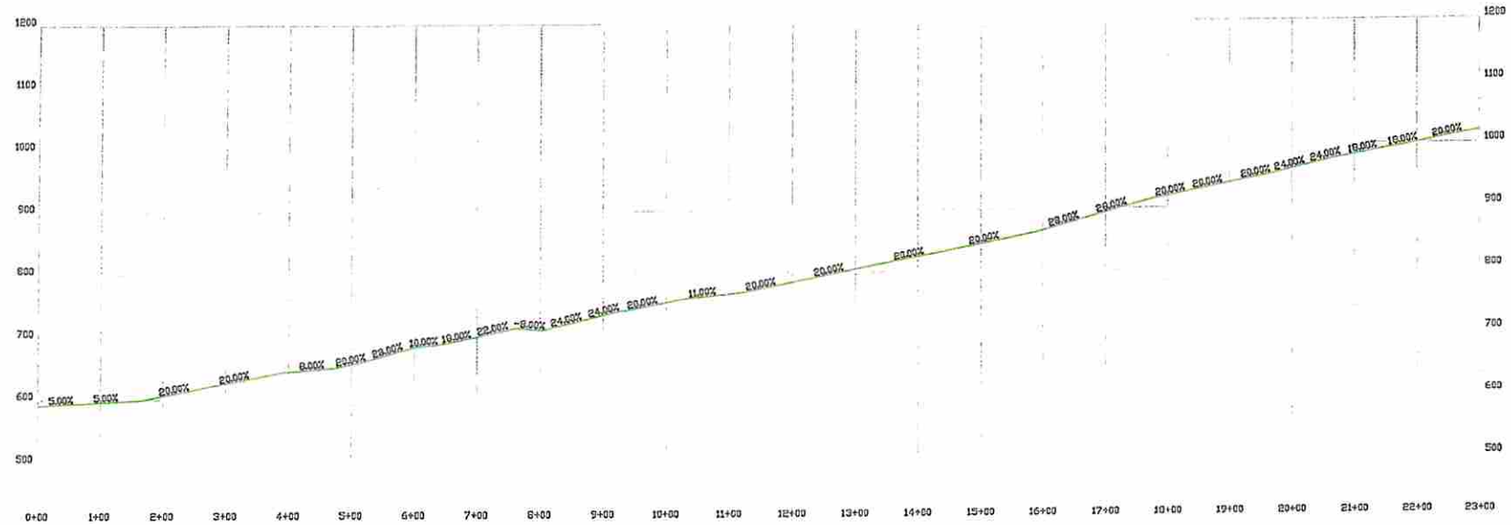
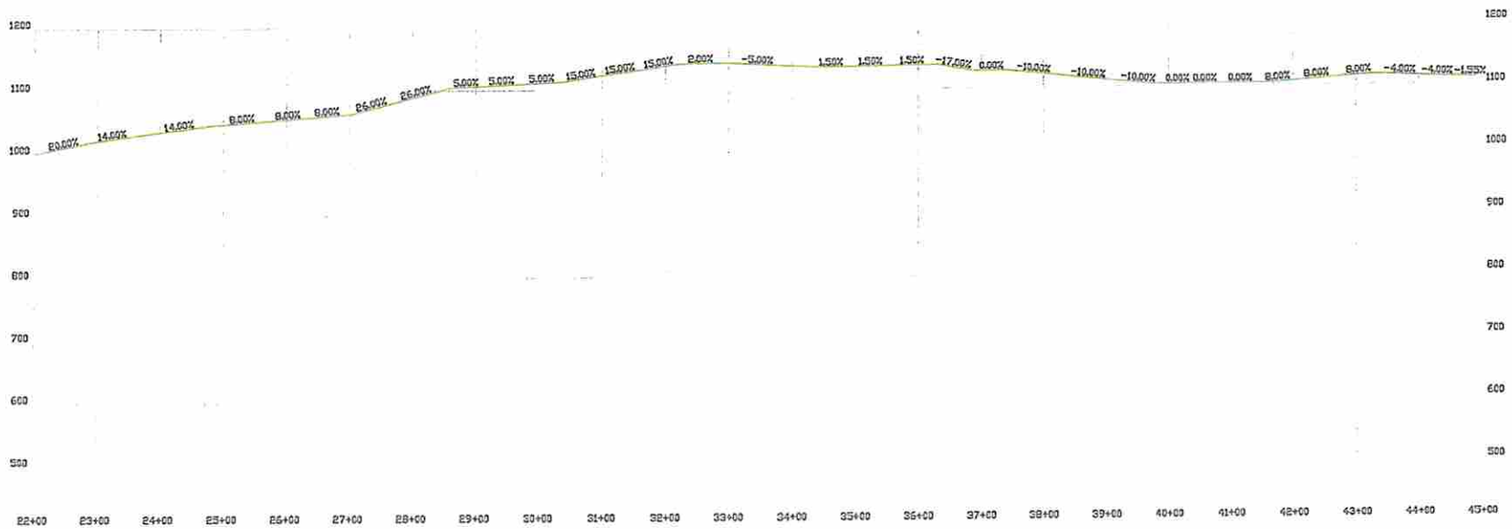
LEGEND			EROSION AND SEDIMENT CONTROL PLAN
N 1 PROVIDE FLEXTERRA HIGH PERFORAMNCE FLEXABLE GROWTH MEDIUM (HP-FLM) ON CUT AND FILL SLOPES		STREAM	CHESAPEAKE APPALACHIA, L.L.C. PYA PROPOSED WORKOVER OF WELL # 805461
N 2 LEVEL SPREADER		PROPERTY LINE	LAUREL HILL DISTRICT, LINCOLN COUNTY BRANCHLAND QUAD, WV 7.5'
N 3 DIVERSION DITCH		SLOPE AREA	JUNE 17, 2014
N 4 BERM OUTLET		WETLAND	TRUE LINE SURVEYING 6211 FAIRVIEW DR. HUNTINGTON, WV 25705
	FS24	24" COMPOST FILTER SOCK AS REQUIRED	PAGE 4 OF 4





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ROAD PROFILE

CHESAPEAKE APPALACHIA, L.L.C.
PROPOSED ~~WORKOVER~~ OF WELL # 805461

LAUREL HILL DISTRICT, LINCOLN COUNTY
BRANCHLAND QUAD, WV 7.5'

JUNE 9, 2014

TRUE LINE SURVEYING
6211 FAIRVIEW DR.
HUNTINGTON, WV 25705

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