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**west virginia** department of environmental protection

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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](http://www.dep.wv.gov)

December 17, 2014

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-4300576, 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: 5553  
Farm Name: HUNT DEV & GAS FEE  
**API Well Number: 47-4300576**  
**Permit Type: Plugging**  
Date Issued: 12/17/2014

**Promoting a healthy environment.**

**12/19/2014**

## 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

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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.

4300576 P

CK 5215704  
\$100.00

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

1) Date: 11/12/2014  
2) Operator's Well No. 805553 P&A  
3) API Well No. 47-043-00576 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   1070'   Watershed   Sixmile Creek of Guyan River    
District   Laurel Hill   County   Lincoln   Quadrangle   Branchland, WV 7.5'
- 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

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

Work Order approved by Inspector

Date   11-13-14  

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API Number: 47-043-0576

## 805553 P&amp;A Procedure

NOTE: 4 1/2" casing has been ran to 1825' and cemented, the top of cement is at 1340'. *ACCORDING TO BOND LOG.*

- 1) Run W.S. to 1800', spot gel, pull W.S. to 1730'
- 2) Spot 100' cement plug 1730'-1630', pull W.S. to 1500'
- 3) Spot 100' cement plug 1500'-1400', pull W.S.
- 4) Cut 4 1/2" at free-point (approximately 1300') and pull
- 5) Rip holes in 6 5/8" at approximately 1250'
- 6) Run W.S. to 1300', spot gel
- 7) Spot 100' cement plug 1300'-1200', pull W.S.
- 8) Cut 6 5/8" at free-point (approximately 800') and pull
- 9) Run W.S. to 800', spot gel
- 10) Spot 100' cement plug 800'-700', pull W.S.
- 11) Attempt to pull 8 1/4" casing
  - A) If successful:
    - a) Run W.S. to 360', spot gel
    - b) Spot 100' cement plug 360'-260', pull W.S.
    - c) Proceed to step 12
  - B) If unsuccessful:
    - a) Run W.S. to 360', spot gel
    - b) Spot 100' cement plug 360'-260', pull W.S.
    - c) Cut 8 1/4" at free-point (approximately 130') and pull
    - d) Proceed to step 12
- 12) Pull or run W.S. to 130', spot gel
- 13) Spot 130' cement plug 130' – surface
- 14) Pull W.S. and top off with cement
- 15) Erect monument and reclaim as prescribed by law



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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Well 805553 PAA  
API 47-043-005768

*Midkiff*

WELL RECORD

Permit No. LIN-576

Oil or Gas Well GAS

Company United Fuel Gas Company  
Address Box 1273, Charleston 25, W. Va.  
Farm Huntington Dev. & Gas Co. Fee Acres 17,695.86  
Location (waters) Six Mile Creek  
Well No. 5553 Elev. 1100  
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 2-21-45  
Drilling completed 8-16-45  
Date Shot 8-20-45 From 3148 To 3445  
With 3100# Gel.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	16'	16'	Size of
8 3/4	293	293	
6 3/4	1505	1505	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume Gas Well \_\_\_\_\_ Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
Fresh water \_\_\_\_\_ feet \_\_\_\_\_ feet  
Salt water \_\_\_\_\_ feet \_\_\_\_\_ feet

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ 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	15			
Slate			15	100			
Sand			100	115			
Slate			115	130			
Sand			130	180			
Slate			180	200			
Sand			200	230			
Slate			230	340			
Sand			340	422			
Slate			422	473			
Sand			473	610			
Slate			610	645			
Shells			645	695			
Sand			695	705			
Slate & Shells			705	774			
Sand			774	1015			
Slate			1015	1020			
Sand			1020	1215			
Slate & Shells			1215	1270			
Sand			1270	1325			
Slate & Shells			1325	1461			
Little Lime			1461	1484			
Big Lime			1484	1660	Gas	1595	
Injun Sand			1660	1710			
Slate & Shells			1710	2221			
Brown Shale			2221	2236			
Berea Grit			2236	2249			
Slate & Shells			2249	2460			
Blue Slate			2460	2530			
Brown Shale			2530	2710			
Slate			2710	3175			
Brown Shale			3175	3433	Gas	3395	
White Slate			3433	3445			
Total Depth			3445				



BRIDGE OFF BETWEEN BEREA & INJUN.

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WW4-A  
Revised  
2/01

1) Date: 11/12/2014  
2) Operator's Well No. 805553 P&A  
3) API Well No. 47-043-00576

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 Please see additional  
Address surface owners  
  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
  
6) Inspector Ralph Triplett  
Address 5539 McClellan Highway  
Branchland, WV 25506  
  
Telephone 304-389-0350

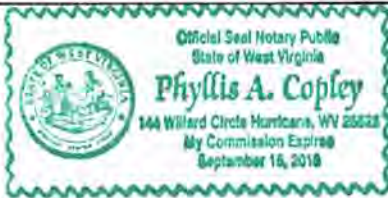
5) Coal Operator  
(a) Name None  
Address \_\_\_\_\_  
  
Coal Owner(s) with Declaration  
(b) Name Pocahontas Land Corporation  
Address 800 Princeton Avenue  
Bluefield, WV 24701  
  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
  
Coal Lessee with Declaration  
(c) Name None  
Address \_\_\_\_\_  
  
Name \_\_\_\_\_  
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: Completion Superintendent, Appalachia South  
Address: P.O. Box 18496  
Oklahoma City, OK 73154-0496  
Telephone: 405-935-4073

Subscribed and sworn before me this 12<sup>th</sup> day of November the year of 2014  
[Signature] Notary Public  
My Commission Expires September 16, 2018

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43 00576P

Well 805553 P&A  
API 47-043-00576

**Additional Surface Owners**

Lois Adkins  
293 Nine Mile Creek  
Midkiff, WV 24210

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

Jerry Chapman  
P.O. Box 142  
Midkiff, WV 25540

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7012 3460 0000 4499 3453

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Certified Fee	33.30	01
Return Receipt Fee (Endorsement Required)	2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	0.00	
<b>Total Postage &amp; Fees</b>	<b>\$ 47.82</b>	<b>11/12/2014</b>

Sent To: **805553 P&A**  
 Heartwood Forestland Grop  
 C/O Craig Kaderavek  
 19045 Stone Mountain Road  
 Abingdon, VA 24210

PS Form 3800

7010 3090 0002 9275 3264

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**MIDKIFF WV 25540**

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Restricted Delivery Fee (Endorsement Required)	0.00	
<b>Total Postage &amp; Fees</b>	<b>\$ 47.82</b>	<b>11/12/2014</b>

Sent To: **805553 P&A**  
 Lois Adkins  
 293 Nine Mile Creek  
 Midkiff, WV 25540

PS Form 3800

7010 3090 0002 9275 3240

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**HAMLIN WV 25523**

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Restricted Delivery Fee (Endorsement Required)	0.00	
<b>Total Postage &amp; Fees</b>	<b>\$ 47.82</b>	<b>11/12/2014</b>

Sent To: **805553 P&A**  
 Bryan and Lisa Stevens  
 P.O. Box 473  
 Hamlin, WV 25523

PS Form 3800

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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	
<b>Total Postage &amp; Fees</b>	<b>\$ 47.82</b>	<b>11/12/2014</b>

Sent To: **805553 P&A**  
 Jerry Chapman  
 P.O. Box 142  
 Midkiff, WV 25540

PS Form 3800

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**BLUEFIELD WV 24701**

**OFFICIAL USE**

Postage	\$ 11.82	0523
Certified Fee	33.30	01
Return Receipt Fee (Endorsement Required)	2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	0.00	
<b>Total Postage &amp; Fees</b>	<b>\$ 47.82</b>	<b>11/12/2014</b>

Sent To: **805553 P&A**  
 Pocahontas Land Corp.  
 800 Princeton Avenue  
 Bluefield, WV 24701

PS Form 3800

12/19/2014



4300576 P

Form WW-9  
Rev. 02/01

API Number 47-043-00576  
Operator's Well No. 805553 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 Sixmile Creek of Guyan River Quadrangle Branchland, WV 7.5'  
Elevation 1070' 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 \_\_\_\_\_ )

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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 *R. E. Schindler*

Company Official (Typed Name) Robert E. Schindler

Company Official Title Completion Superintendent, Appalachia South

Subscribed and sworn before me this 12<sup>th</sup> day of November, 2014.

*Phyllis A. Copley* Notary Public.

My Commission Expires September 16, 2018

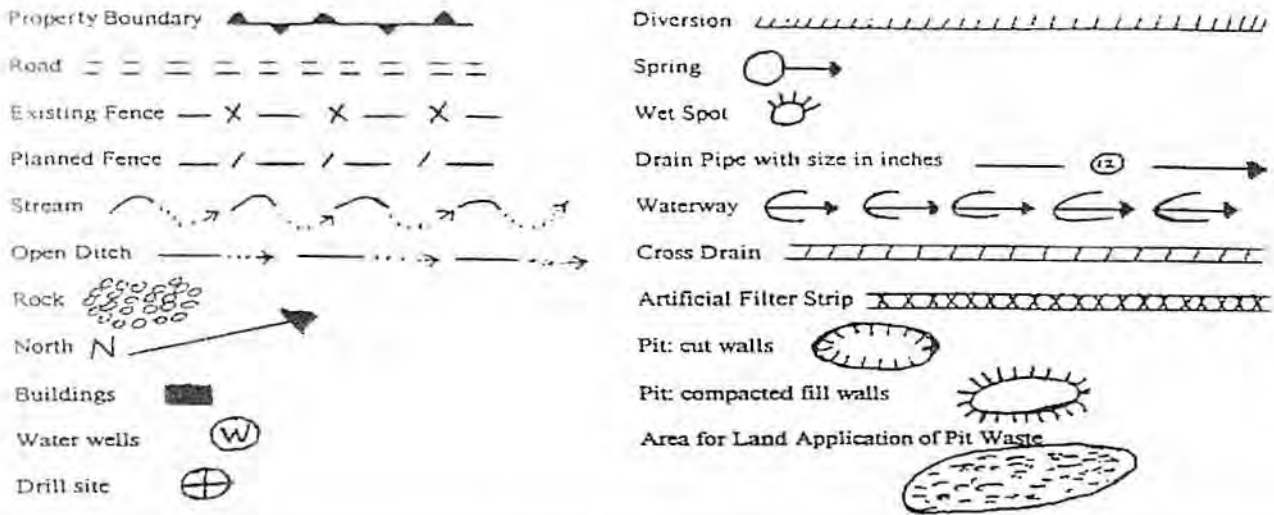


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Attachment #1

API #: 47-043-00576  
 Operator's Well No. 805553 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: 

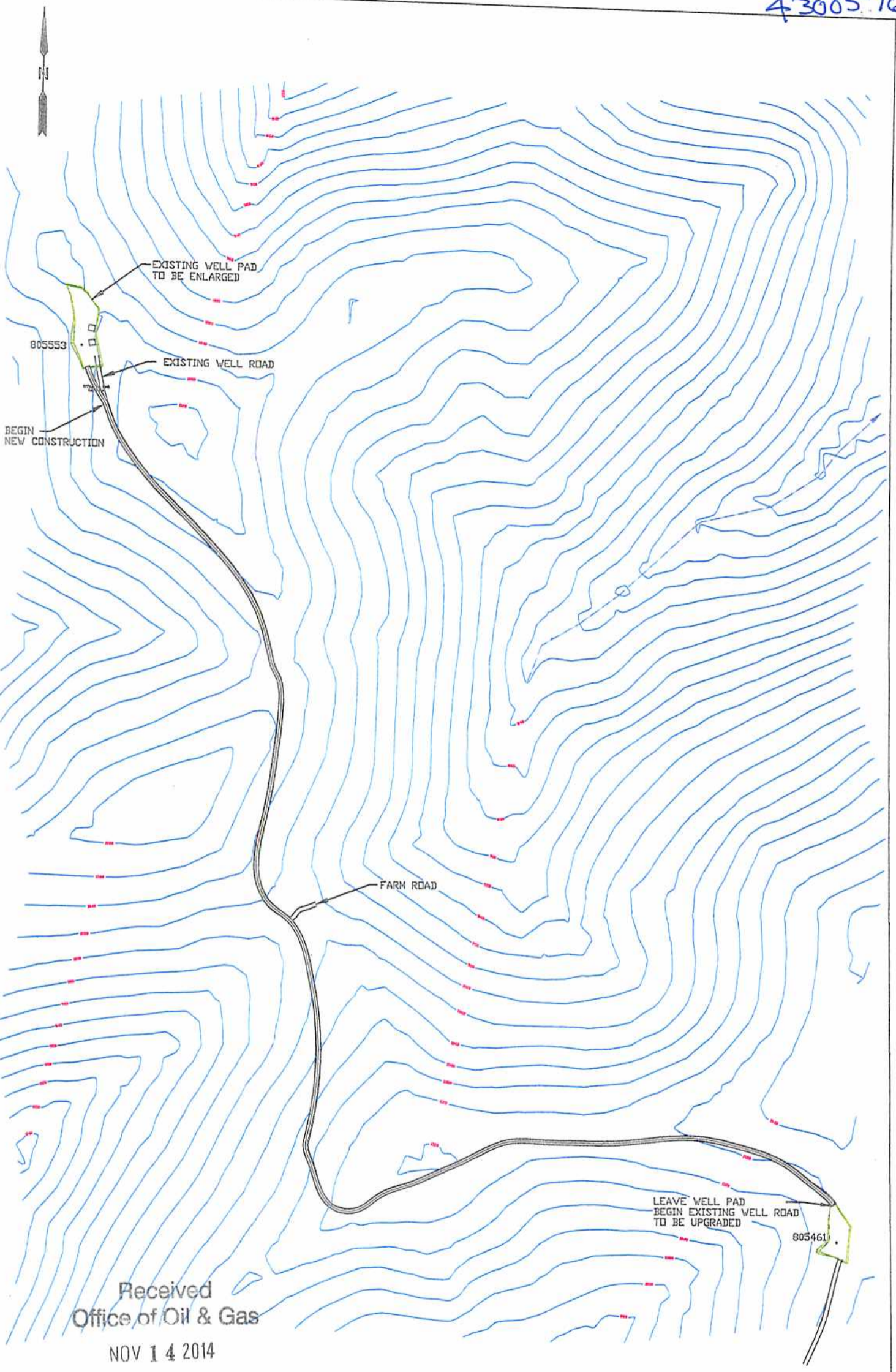
Title: inspector OOG

Date: 11-13-14

Field Reviewed?  Yes  No

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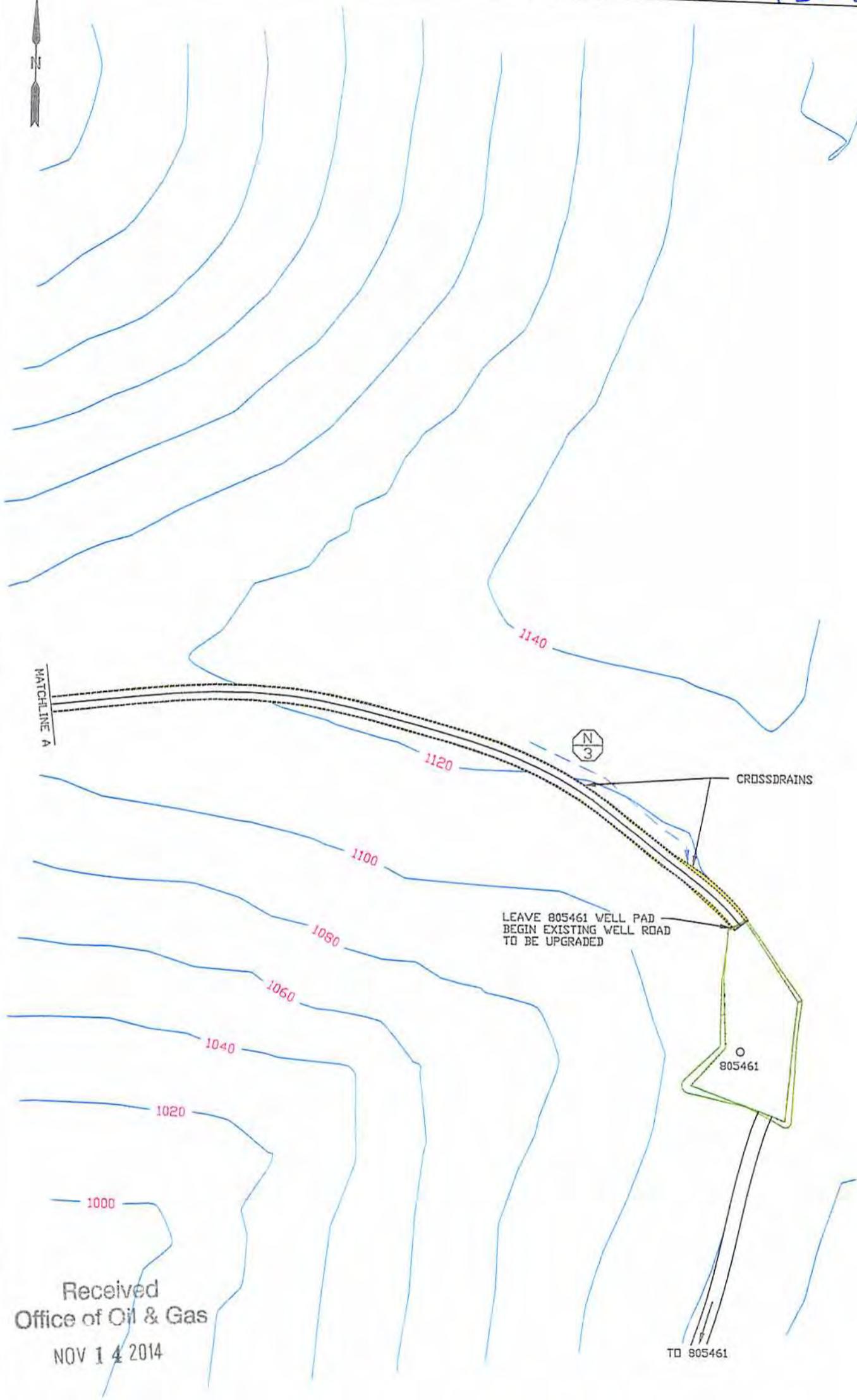
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DISTURBED AREAS		LEGEND		SITE PLAN <i>PVA</i>	
EXISTING WELL PAD	0.25 AC.		STREAM	CHESAPEAKE APPALACHIA, L.L.C. -PROPOSED WORK-OVER-WELL # 805533	
EXISTING ACCESS ROAD	1.41 AC.		PROPERTY LINE	LAUREL HILL DISTRICT, LINCOLN COUNTY BRANCHLAND QUAD, WV 7.5'	
NEW WELL PAD CONSTRUCTION	0.06 AC.		SLOPE AREA	JUNE 5, 2014	
NEW ACCESS ROAD CONSTRUCTION	0.03 AC.		WETLAND	TRUE LINE SURVEYING 6211 FAIRVIEW DR. HUNTINGTON, WV 25705	
TOTAL NEW DISTURBANCE	0.09 AC		BUFFER AREA	PAGE 1 OF 1	

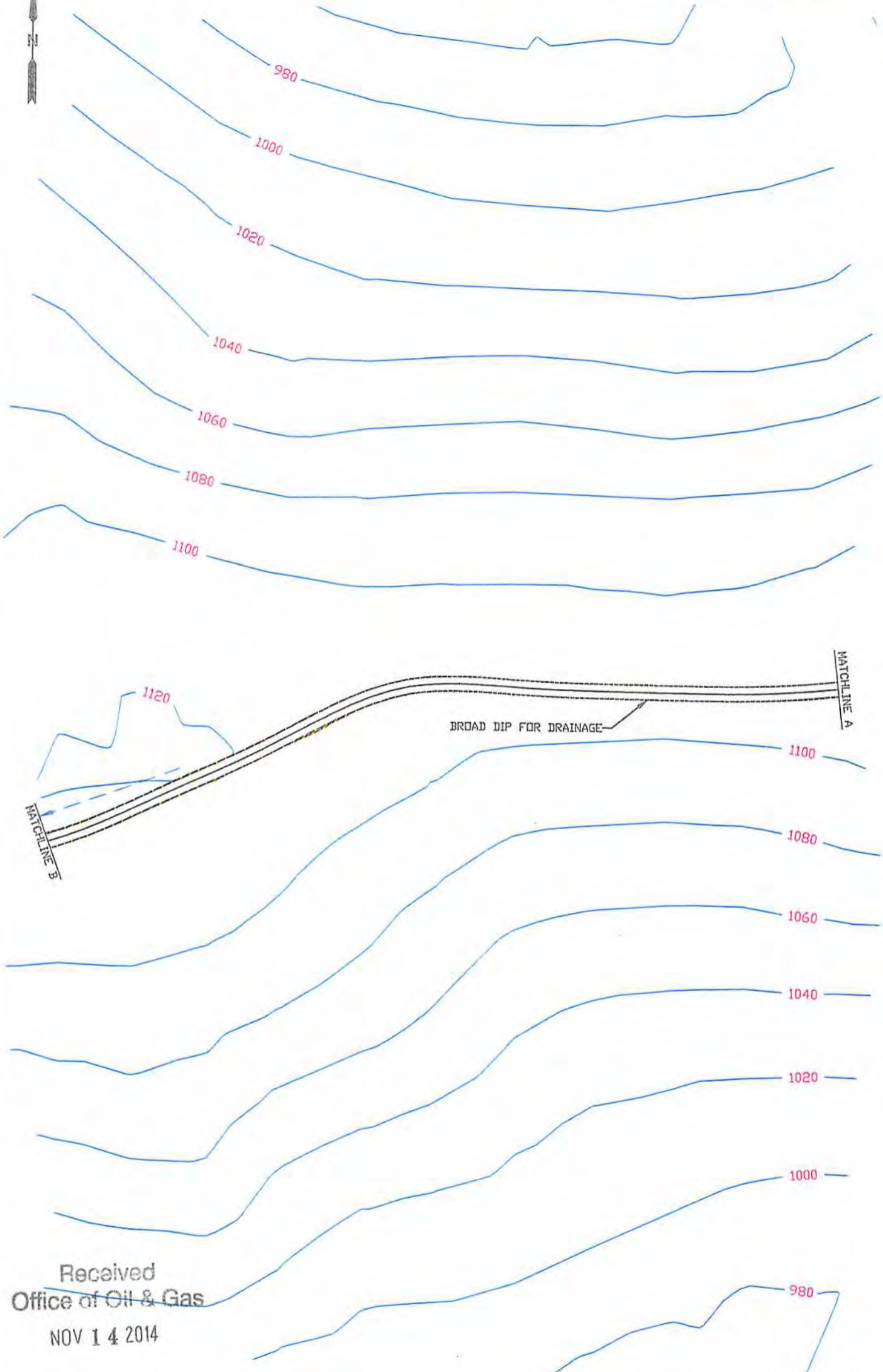


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TO 805461

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LEGEND		EROSION AND SEDIMENT CONTROL PLAN	
	PROVIDE FLEXTERRA HIGH PERFORMAMCE FLEXABLE GROWTH MEDIUM (HP-FLM) ON CUT AND FILL SLOPES		STREAM
	LEVEL SPREADER		PROPERTY LINE
	DIVERSION DITCH		SLOPE AREA
	BERM OUTLET		WETLAND
			24' COMPOST FILTER SOCK AS REQUIRED
		CHESAPEAKE APPALACHIA, L.L.C. PCH	
		PROPOSED WORK OVER WELL # 805553	
		LAUREL HILL DISTRICT, LINCOLN COUNTY	
		BRANCHLAND QUAD, WV 7.5'	
		JUNE 4, 2014	
		TRUE LINE SURVEYING	
		6211 FAIRVIEW DR.	
		HUNTINGTON, WV 25705	
		PAGE 1 OF 5	



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LEGEND		EROSION AND SEDIMENT CONTROL PLAN	
	PROVIDE FLEXTERRA HIGH PERFORMAMCE FLEXABLE GROWTH MEDIUM (HP-FLM) ON CUT AND FILL SLOPES		STREAM
	LEVEL SPREADER		PROPERTY LINE
	DIVERSION DITCH		SLOPE AREA
	BERM OUTLET		WETLAND
			24' COMPOST FILTER SOCK AS REQUIRED
		<p>CHESAPEAKE APPALACHIA, L.L.C. PROPOSED WORK-OVER WELL # 805553 LAUREL HILL DISTRICT, LINCOLN COUNTY BRANCHLAND QUAD, WV 7.5'</p> <p>JUNE 4, 2014</p> <p>TRUE LINE SURVEYING 6211 FAIRVIEW DR. HUNTINGTON, WV 25705</p> <p>PAGE 2 OF 5</p>	



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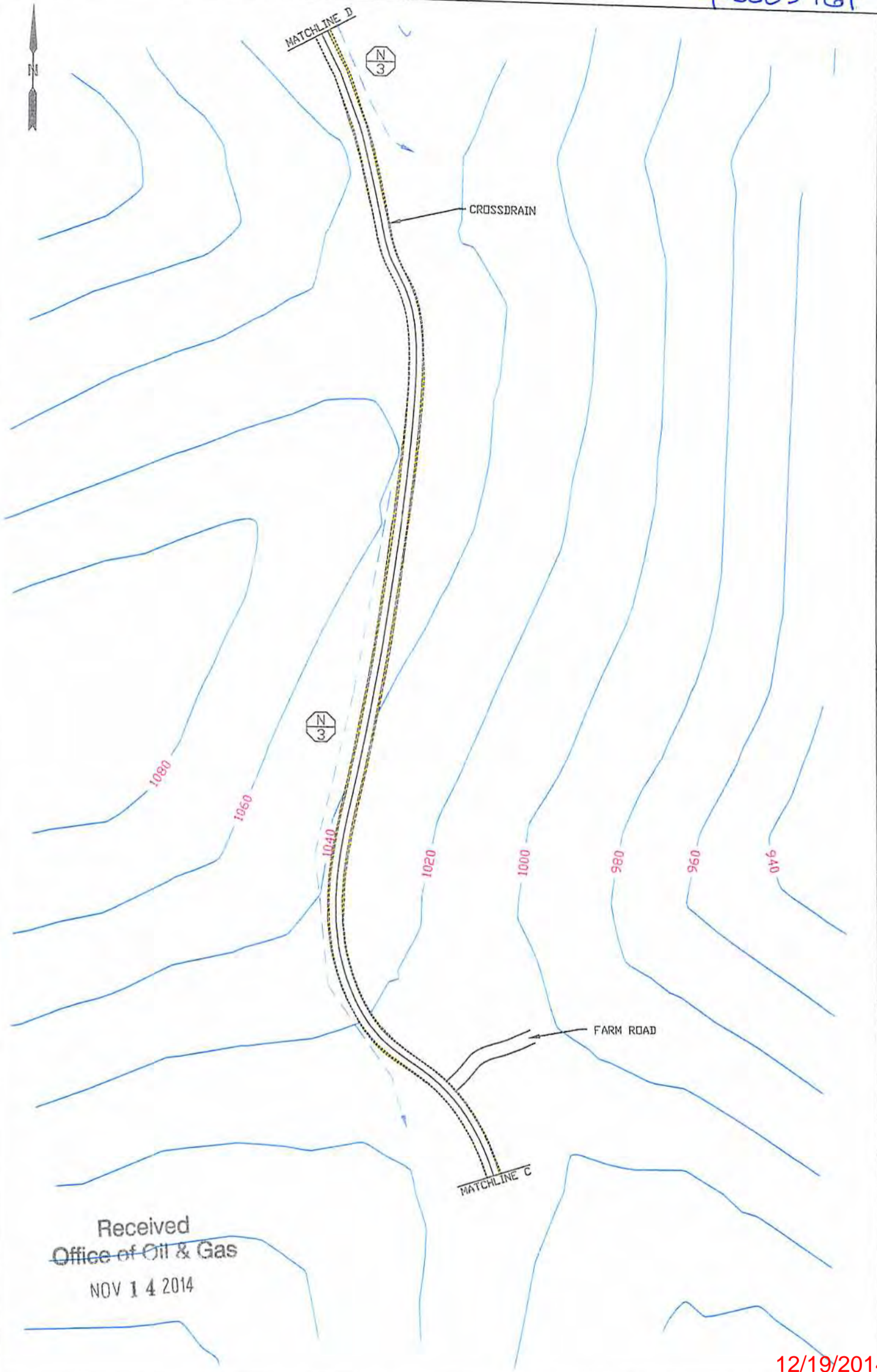
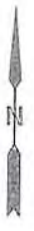
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LEGEND

	PROVIDE FLEXTERRA HIGH PERFORMANCE FLEXIBLE GROWTH MEDIUM (HP-FLM) ON CUT AND FILL SLOPES		STREAM
	LEVEL SPREADER		PROPERTY LINE
	DIVERSION DITCH		SLOPE AREA
	BERM OUTLET		WETLAND
			24' COMPOST FILTER SOCK AS REQUIRED

EROSION AND SEDIMENT CONTROL PLAN

<p><i>pvt</i> CHESAPEAKE APPALACHIA, L.L.C.          PROPOSED WORK-OVER WELL # 805553          LAUREL HILL DISTRICT, LINCOLN COUNTY          BRANCHLAND QUAD, WV 7.5'</p>	
<p>JUNE 4, 2014</p>	
<p>TRUE LINE SURVEYING          6211 FAIRVIEW DR.          HUNTINGTON, WV 25705</p>	
<p>PAGE 3 OF 5</p>	



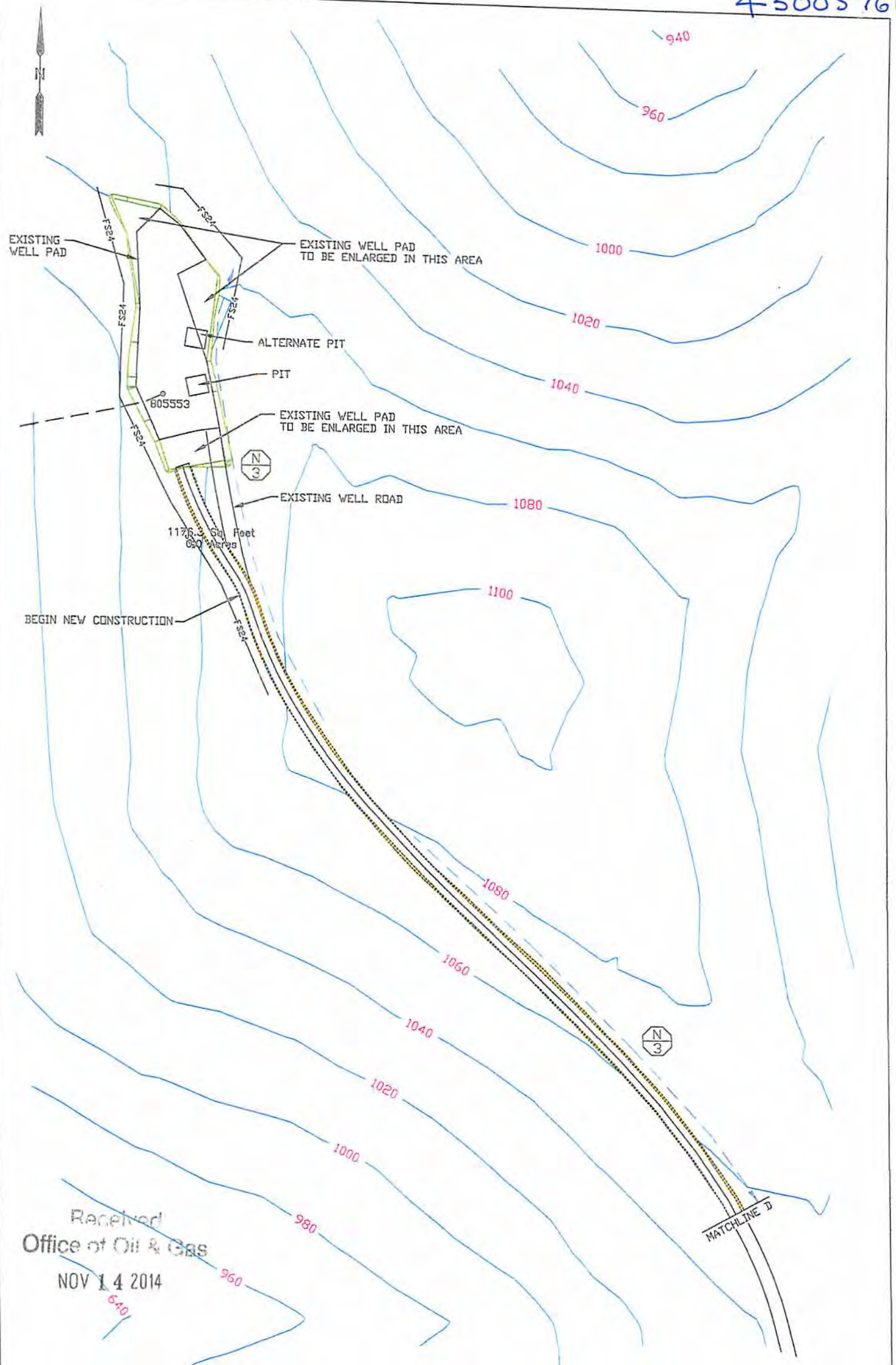
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LEGEND

N 1	PROVIDE FLEXTERRA HIGH PERFORMANCE FLEXIBLE GROWTH MEDIUM (HP-FLM) ON CUT AND FILL SLOPES	— — — — —	STREAM
N 2	LEVEL SPREADER	—————	PROPERTY LINE
N 3	DIVERSION DITCH	[Yellow dashed box]	SLOPE AREA
N 4	BERM OUTLET	[Green hatched box]	WETLAND
		— FS24 —	24' COMPOST FILTER SOCK AS REQUIRED

EROSION AND SEDIMENT CONTROL PLAN	
<p><i>per A</i> CHESAPEAKE APPALACHIA, L.L.C.          PROPOSED WORK-OVER WELL # 805553          LAUREL HILL DISTRICT, LINCOLN COUNTY          BRANCHLAND QUAD, WV 7.5'</p>	
JUNE 4, 2014	
TRUE LINE SURVEYING 6211 FAIRVIEW DR. HUNTINGTON, WV 25705	
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12/19/2014

LEGEND

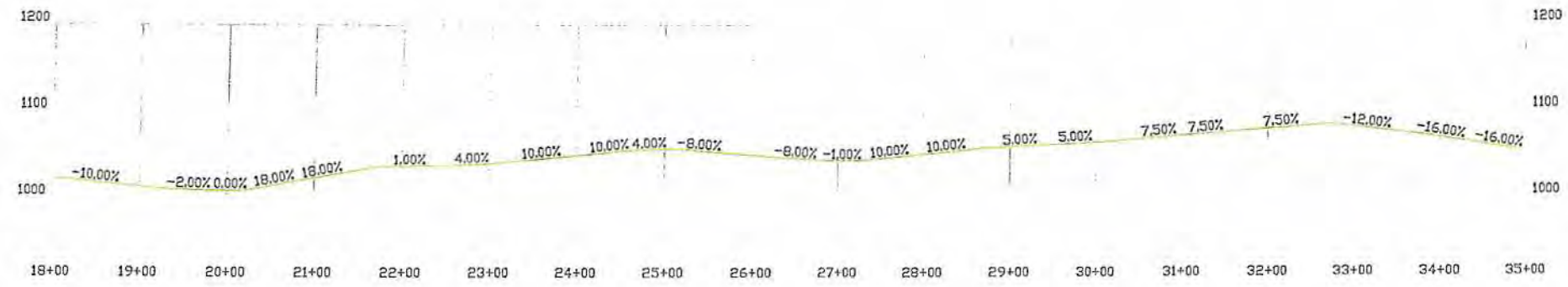
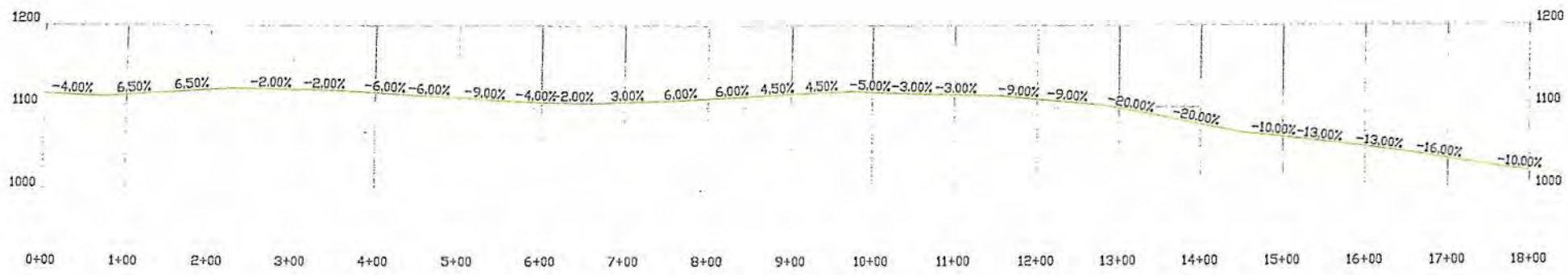
	PROVIDE FLEXTERRA HIGH PERFORMANCE FLEXIBLE GROWTH MEDIUM (HP-FLM) ON CUT AND FILL SLOPES		STREAM
	LEVEL SPREADER		PROPERTY LINE
	DIVERSION DITCH		SLOPE AREA
	BERM OUTLET		WETLAND
			24" COMPOST FILTER SOCK AS REQUIRED

EROSION AND SEDIMENT CONTROL PLAN


<p>CHESAPEAKE APPALACHIA, L.L.C. PROPOSED "WORK-OVER" WELL # 805553 LAUREL HILL DISTRICT, LINCOLN COUNTY BRANCHLAND QUAD, WV 7.5'</p>	
<p>JUNE 4, 2014 TRUE LINE SURVEYING 6211 FAIRVIEW DR. HUNTINGTON, WV 25705</p>	
PAGE 5 OF 5	



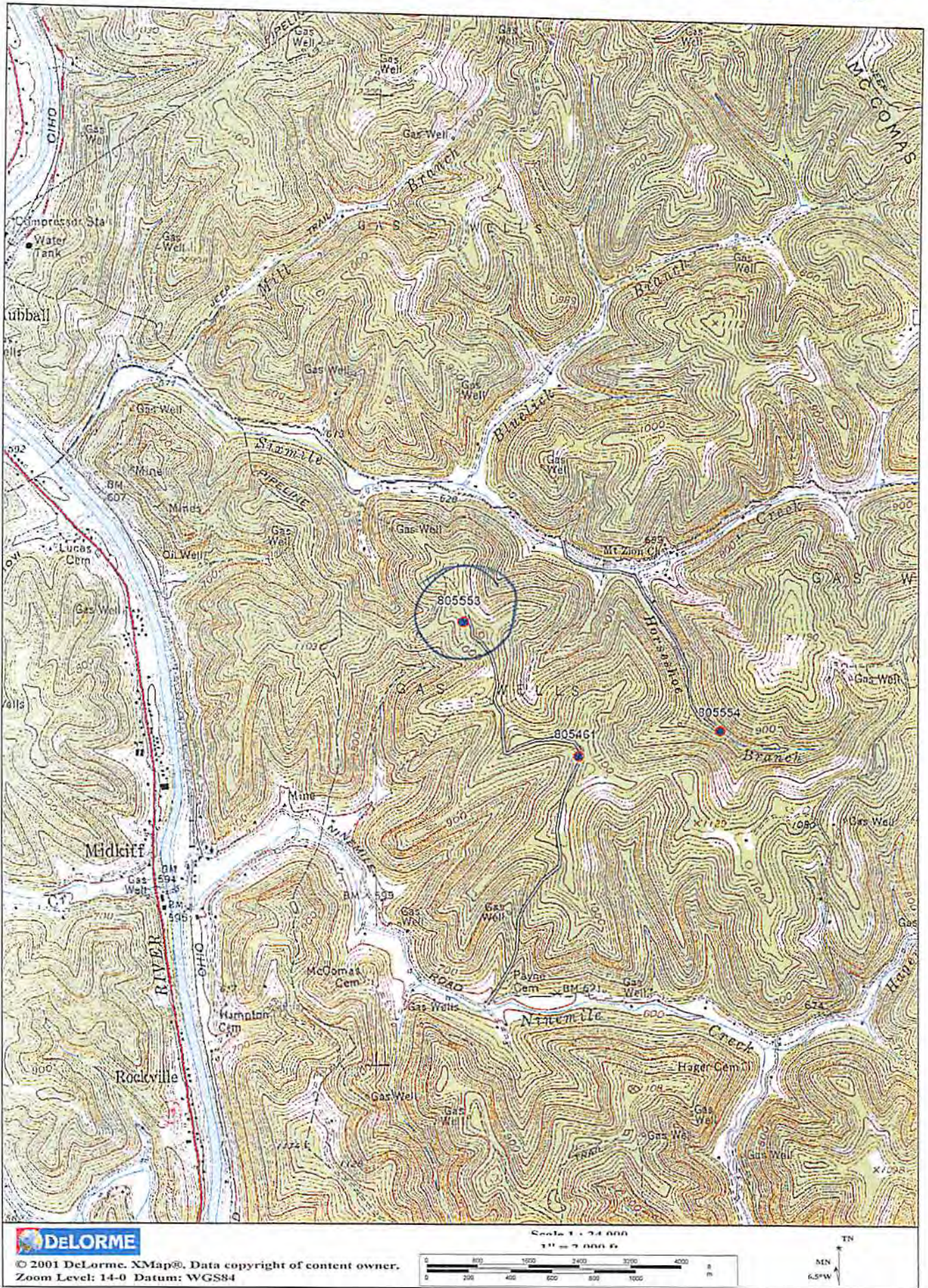
4300576P



Received  
Office of Oil & Gas  
NOV 14 2014

P&A	ROAD PROFILE	
	CHESAPEAKE APPALACHIA, L.L.C. -PROPOSED WORKOVER WELL # 805553 LAUREL HIL DISTRICT, LINCOLN COUNTY BRANCHLAND QUAD, WV 7.5'	
JUNE 4, 2014		
TRUE LINE SURVEYING 6211 FAIRVIEW DR. HUNTINGTON, WV 25705		
PAGE <u>1</u> OF <u>1</u>		

Well 805553 P/A API 47-043-00576P



Received  
Office of Oil & Gas  
NOV 13 2014

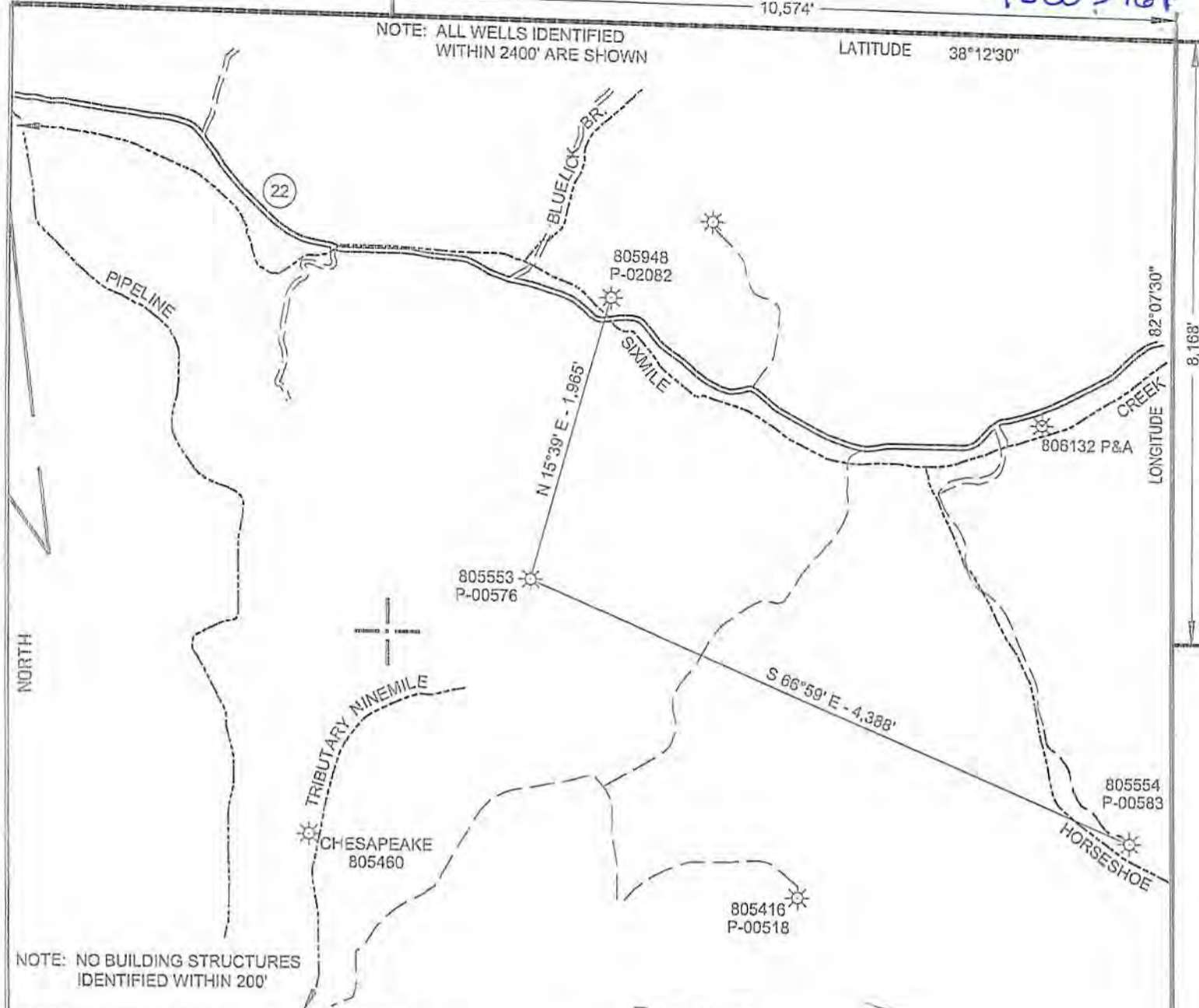
12/19/2014

4300576P

10,574'

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

LATITUDE 38°12'30"



NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

Received Office of Oil & Gas NOV 14 2014

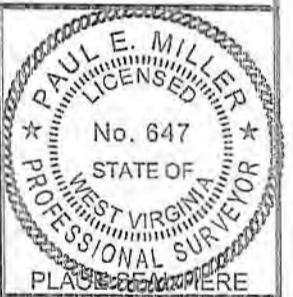
<b>SURFACE HOLE</b>	
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 433,904.31 : E - 1,666,083.58	
LATITUDE: (N) 38.1858837 LONGITUDE: (W) 82.1617995	
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,227,087.352 : E - 398,265.717	

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

FILE NO.	805553WO.DGN
DRAWING NO.	5553 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) *Paul E. Miller*  
R.P.E. \_\_\_\_\_ L.L.S. 647



STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION		DATE <u>MAY 08</u> , 20 <u>14</u>	
WELL TYPE: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> (IF "GAS,") PRODUCTION <input checked="" type="checkbox"/> STORAGE <input type="checkbox"/> DEEP <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>		OPERATOR'S WELL NO. <u>805553</u>	
		API WELL NO. <u>47</u> <u>043</u> <u>00576 P</u>	
LOCATION: ELEVATION <u>1070'</u> WATER SHED <u>SIXMILE CREEK OF GUYAN RIVER</u>		STATE <u>47</u> COUNTY <u>043</u> PERMIT <u>00576 P</u>	
DISTRICT <u>LAUREL HILL</u> COUNTY <u>LINCOLN</u>		COUNTY NAME	
QUADRANGLE <u>BRANCLAND, WV 7.5'</u>		PERMIT	
SURFACE OWNER <u>HEARTWOOD FORESTLAND</u> ACREAGE _____		12/19/2014	
OIL & GAS ROYALTY OWNER <u>CHESAPEAKE APPALACHIA L.L.C.</u> LEASE ACREAGE _____		PROPOSED WORK: DRILL <input type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/> OTHER PHYSICAL CHANGE IN WELL (SPECIFY) <u>WORKOVER</u>	
LEASE NO. _____ FEE LAND (GAS) _____		PLUG AND ABANDON <input type="checkbox"/> CLEAN OUT AND REPLUG <input type="checkbox"/>	
TARGET FORMATION _____ ESTIMATED DEPTH _____		DESIGNATED AGENT <u>Jessica Greenhouse</u> <u>ERIC B. GILLESPIE</u>	
WELL OPERATOR <u>CHESAPEAKE APPALACHIA L.L.C.</u>		ADDRESS <u>P.O. BOX 18496, OKLAHOMA CITY, OK 73154-0496</u>	
ADDRESS <u>CHESAPEAKE APPALACHIA, L.L.C. PO BOX 6070, CHARLESTON, WV 25362</u>			

FORM WW-6