



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

June 16, 2016

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-3301560, issued to CONSOL GAS COMPANY, 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: 8041
Farm Name: LANHAM, A.
API Well Number: 47-3301560
Permit Type: Plugging
Date Issued: 06/16/2016

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.

1) Date _____, 2016
2) Operator's
Well No. Lanham #8041
3) API Well No. 47-033 - 01560

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 ____ /
(If "Gas, Production X or Underground storage ____) Deep ____ / Shallow X

5) Location: Elevation 1161.05 Watershed Middle West Fork Creek
District Union - 08 County Harrison Quadrangle West Milford - 6669

6) Well Operator Consol Gas Company 7) Designated Agent Anthony Kendziora
Address 1000 Consol Energy Drive Address 1 Dominion Drive
Canonsburg, PA 15317 Jane Lew, WV 26378

8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Sam Ward Name Contractor Services Inc. (CSI)
Address P.O. Box 2327 Address 929 Charleston Rd.
Buckhannon, WV 26201 Spencer, WV 25776

10) Work Order: The work order for the manner of plugging this well is as follows:
Please see attached pages.

RECEIVED
Office of Oil and Gas

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

MAY 18 2016

Work order approved by inspector S. D. Ward

WV Department of
Date received 5/12/16
Environmental Protection

Plugging Work Order for Permit 47-033-01560

CNX Gas – #8041

TD ≈ 2310

1. The wellbore will be cleaned out to the total depth. All plugging shall comply with WV Code Chapter 22 Article 6.
2. Verify 2" tubing TD (~2376'), if necessary, pump ~50 bbls 6% gel to control well.
3. Unseat packer @ 2310' and TOH, if unable to unseat, cut 2" above packer (~2300').
4. TOH 2" production tubing.
5. TIH w/ 2-3/8" PH-6 work string to TD. Gel hole with 6% gel.
6. Pump bottom cement plug from TD to ~1375'.
7. TOH w/ 2-3/8" PH-6 work string. Wait on cement.
8. Attempt to pull 5-3/16" (1375'), if unable to pull
9. Verify TOC via bond log and determine free point of 5-3/16"
10. Free point & split shot collar (~1370'). TOH w/ 5-3/16".
11. Attempt to pull 6-5/8" (~1345') If unable to pull.
12. Bond log 6-5/8" to determine free point.
13. Free point and split shot collar (~1340') TOO H w/6-5/8". *TRY TO PULL 8 1/4"*
14. Perforate 8-1/4" w/4 shots every 100' from 930' to surface.
15. TIH w/2-3/8" PH-6 work string and tag TOC (~1375')
16. Cement to surface in three stages.
17. TOO H w/work string and top off with cement.
18. Install 6" x 14' monument (10' below grade, 4' above grade) API 47-033-01560
19. The disturbed areas shall be graded, seeded and mulched as required. Site to be reclaimed as soon as possible.

Note-Records indicate bailer was LIH at 2060'.

Work Order approved by Inspector JDW Date: 3/12/16

Note: All cement will be Class A. All spacers between plugs will be 6% gel.

Well No. 241 Harrison District REPAIRS N. 15 E. 10 W.
 Commenced 7-10-1913 Completed 7-30-1913
 A. J. Latham July 31 1913
 Farm

CASING AND TUBING RECORD

Size	Amount in Well		Amount Pulled	Amount Put in Well	Amount Left in Well
	Before Repairs	After Repairs			
8 1/4	930				930
6 7/8	1345				1345
5 7/16		1966		1966	1966
2		2310		2310	2310

OCT 21 1913
 WELL NO. 241 Harrison
 LEADERSHIP
 WALL MAP AUG 21 1913
 LOCATION SEP 2 1913
 CONTRACTORS PLAT

AUG 30 1913 H.H.S.

VOLUME AND PRESSURE TEST

Opening	Before Repair			After Repair		
	Liquid Used	Reading	Pressure	Liquid Used	Reading	Pressure
None taken					3 lbs	510

Names of Drillers		Time (Days)	Names of Tool Dressers		Time (Days)
J. E. Coleman		19	J. E. Jamison		19
R. B. Kestler		16	W. J. McCoy		19

If well is drilled deeper, insert below the record of deeper drilling

Formation	Top		Bottom	
	Top	Bottom	Top	Bottom
Well drilled down from 30 ft sand				
Started drilling at 1964				
Wilson Bray	2064	2090		
Gordon	2115	2131		
Fourth ✓	2191	2207		
Gas		2192		
Fifth ✓	2260	2284		
Gas		2263 x 2270		
Total Depth		2310		

SHOOTING RECORD

Quarts	Top of Shell	Bottom of Shell	Diameter	Sand	Test Before Shot			Test After Shot			By Whom Shot
					Reading	Liquid	Opening	Reading	Liquid	Opening	

PACKER RECORD

Kind	Amount Anchor	Amount Above Anchor
6 ON anchor	189 1/2	1966 2120 1/2
		first packer six ON

Tubing Record if Well Never Previously Tubed

bed	Size	Amount Put in Well
0-13	2	2310

Well was drilled down by H. H. S. Co.
 using string #31.
 and max of full 8 1/4" casing.

Office of Oil and Gas

MAY 18 2016

Department of Mineral Protection Foreman

O.T.E. - Whenever a well is shot, tubed, drilled deeper or in any way, fill out this report so far as it relates to work done and why.

RESERVE GAS COMPANY.

LOCATION FOR WELL No. 246 8041

Harrison DISTRICT

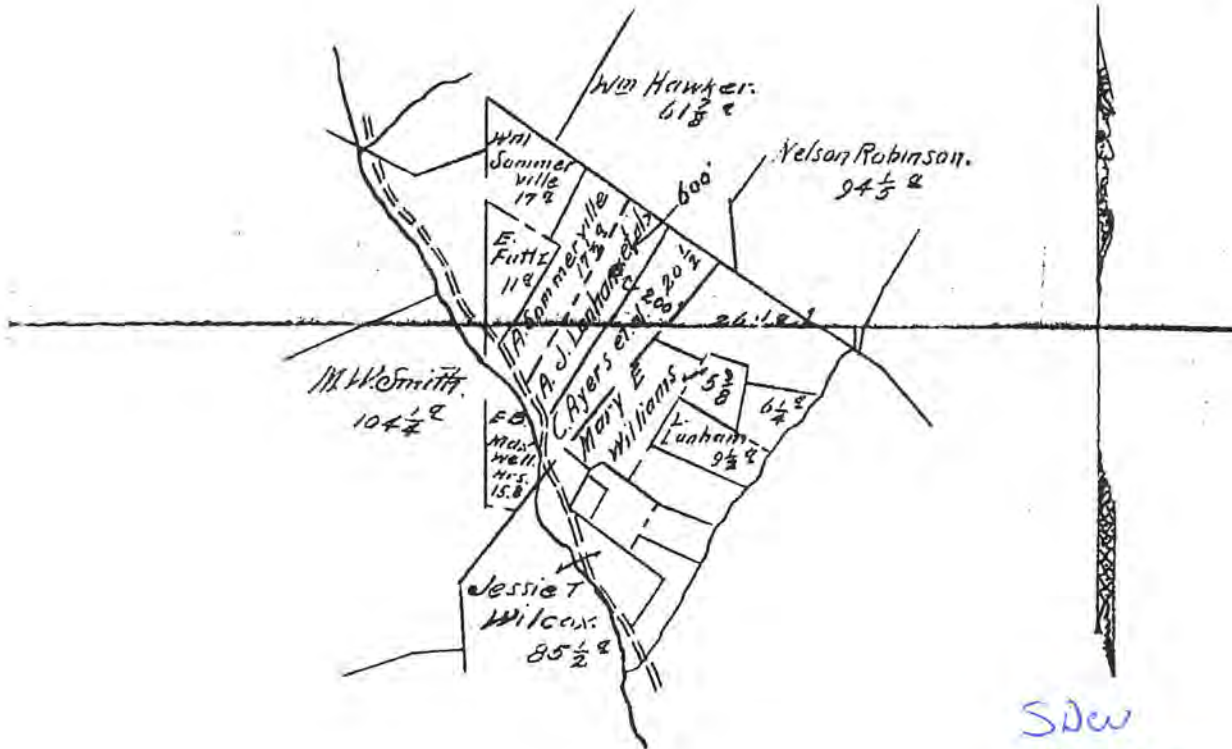
On Wm Hawker Farm, on waters of Cycamore Creek
Harrison District, Harrison County, West Virginia.

Lease No. 222 Acres 15 N. 15 S. 10 E. 10 W.

Scale, one inch equals 80 Poles Sent to M.S.C. 2-11-1910

Location to be 600 feet from Wm Hawker farm line and
200 feet from C Ayers et al

033-1560



SDW
5/12/10

ENTERED
LINE MAP
2/19/10
J. L. S.

ENTERED
WELL BOOK
LEASE RECORD
LEASE DOCKET
WALL MAP
WORKING MAP
LOCATION BOOK

RESERVE None

SPECIAL INSTRUCTIONS Cement 10" casing Complete well
on or before June 7 1910

Location made 2-16-10 by A. H. Bradley As per plat, except as noted. On field map.
2-19-10 Returned to Pittsburgh F.R. 1

Location changed on account of _____
Authorized by _____ Date _____ 1 Signed _____

RECEIVED
Office of Oil and Gas
MAY 18 2016
WV Department of
Environmental Protection

WW-4A
Revised 6-07

1) Date: _____
2) Operator's Well Number
Lanham #8041
3) API Well No.: 47 - 033 - 01560

STATE OF WEST VIRGINIA
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:	5) (a) Coal Operator
(a) Name <u>James L. & Janet E. Robinson</u>	Name <u>n/a</u>
Address <u>2374 Sycamore Rd.</u>	Address _____
<u>Clarksburg, WV 26301</u>	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name <u>n/a</u>
_____	Address _____
(c) Name _____	Name _____
Address _____	Address _____
_____	_____
6) Inspector <u>Sam Ward</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 2327</u>	Name <u>n/a</u>
<u>Buckhannon, WV 26201</u>	Address _____
Telephone <u>304-389-7583</u>	_____

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 this 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 this 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 Consol Gas Company
 By: Craig Neal
 Its: VP Operations E&P
 Address 1000 Consol Energy Drive
Canonsburg, PA 15317
 Telephone 1-724-485-3116

Subscribed and sworn before me this 25th day of April 2016
Lori L. Waiker Notary Public
 My Commission Expires February 23, 2019

RECEIVED
 COMMONWEALTH OF PENNSYLVANIA
 OFFICE OF OIL AND GAS
 NOTARIAL SEAL
 Lori L. Waiker, Notary Public
 Richhill Twp., Greene County
 My Commission Expires Feb. 23, 2019
 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

06/17/2016

WW-9
(2/15)

API Number 47 - 033 - 01560

Operator's Well No. Lanham #8041

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Consol Gas Company OP Code 494495754

Watershed (HUC 10) Middle West Fork Creek Quadrangle West Milford

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

Will a pit be used? Yes No

If so, please describe anticipated pit waste: N/A

Will a synthetic liner be used in the pit? Yes No If so, what ml.? N/A

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 _____)

Any well effluent must be collected & disposed of properly. 97W

Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

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

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

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

-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, 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 *Craig Neal*

Company Official (Typed Name) Craig Neal

Company Official Title VP Operations E&P, Consol Gas Company

RECEIVED
Office of Oil and Gas
MAY 18 2016

Subscribed and sworn before me this 25th day of April, 2016

Lori L. Walker
Notary Public

My commission expires February 23, 2019

WV Department of
COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Lori L. Walker, Notary Public
Greene County
06/17/2016
MEMBER: PENNSYLVANIA

Form WW-9

Operator's Well No. Linham #8041

Consol Gas Company

Proposed Revegetation Treatment: Acres Disturbed less than 1 acre Prevegetation pH _____

Lime 2-3 Tons/acre or to correct to pH _____

Fertilizer type 10-20-20 or equivalent

Fertilizer amount 500 lbs/acre

Mulch hay or straw 2 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Tall Fescue	40	Tall Fescue	40
Landino Clover	5	Landino Clover	5

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments: _____

Title: OGG Inspector

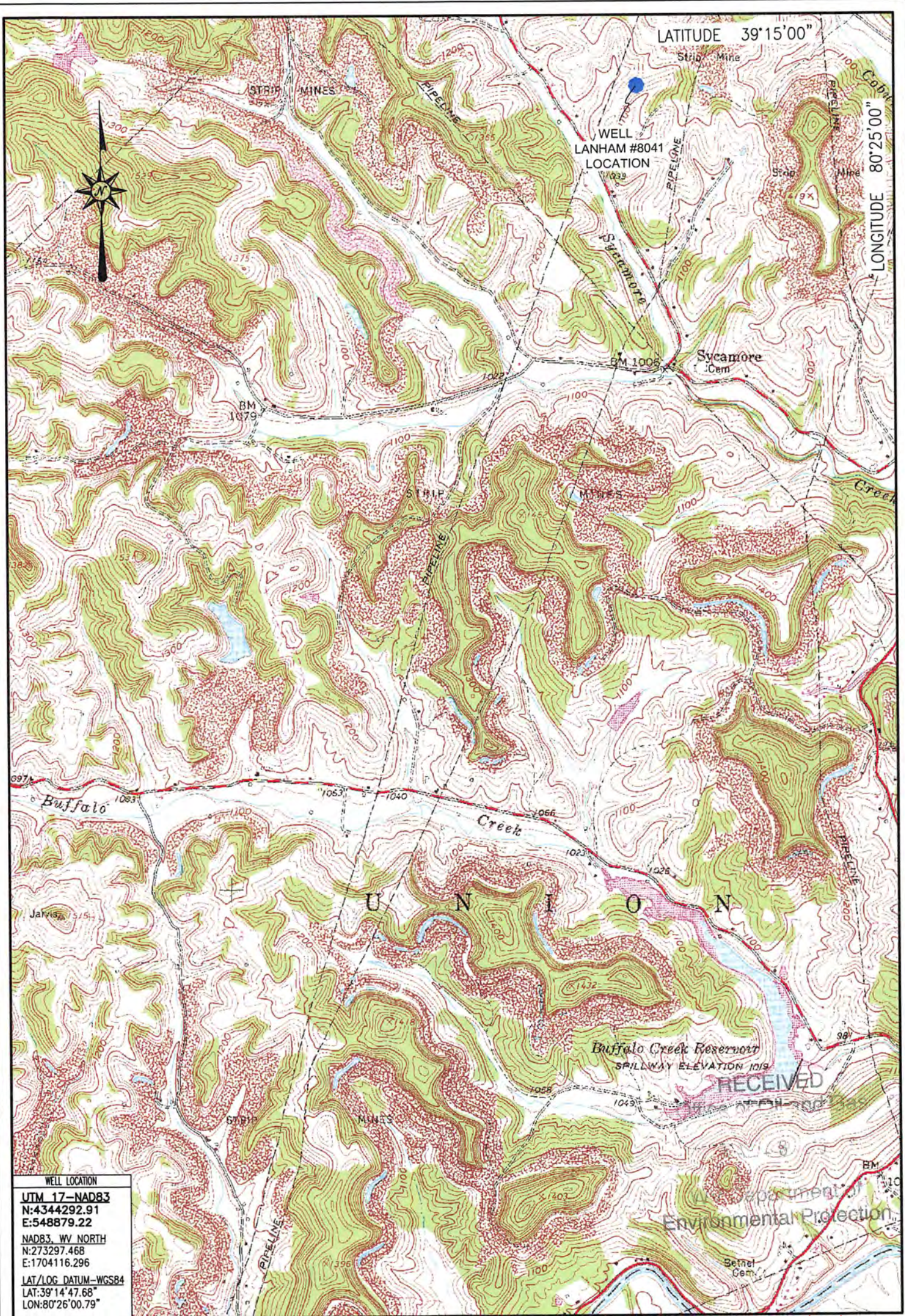
Date: 5/16/16

Field Reviewed? Yes No

RECEIVED
Office of Oil and Gas
MAY 18 2016

WV Department of
Environmental Protection

06/17/2016



06/17/2016

LOCATION MAP
MARCH 24, 2016

Blue Mountain Inc.
 10125 MASON DIXON HIGHWAY
 BURTON, WV 26562
 PHONE: (304) 662-6486

LANHAM #8041
 WEST MILFORD QUADRANGLE
 WEST VIRGINIA

SCALE 1" = 2000'
 0' 2000' 4000' 6000'

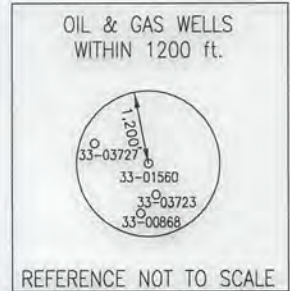
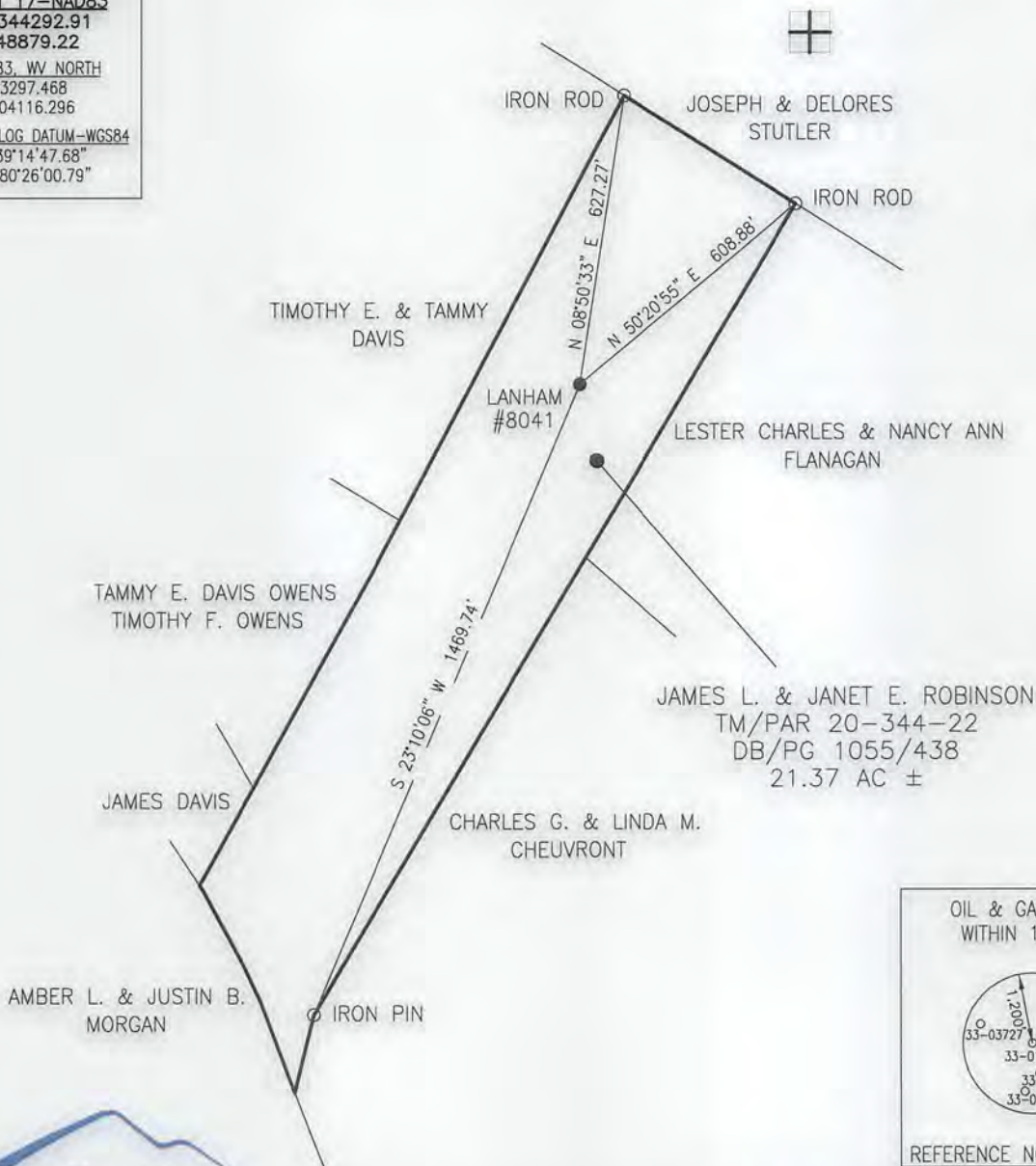


BLUE MOUNTAIN ENGINEERING

Well is located on topo map 1,247 feet south of Latitude: 39° 15' 00"

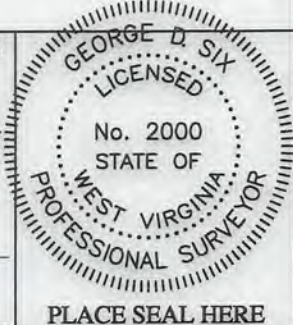
Well is located on topo map 4,782 feet west of Longitude: 80° 25' 00"

WELL LOCATION
UTM 17-NAD83
 N:4344292.91
 E:548879.22
NAD83, WV NORTH
 N:273297.468
 E:1704116.296
LAT/LOG DATUM-WGS84
 LAT:39°14'47.68"
 LON:80°26'00.79"



Blue Mountain Inc.
 10125 MASON DIXON HIGHWAY
 BURTON, WV 26562
 PHONE: (304) 662-6486

NOTE:
 It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.



FILE #: LANHAM #8041
DRAWING #: LANHAM #8041
SCALE: 1" = 400'
MINIMUM DEGREE OF ACCURACY: 1/2500
PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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: *Anthony Kendziora*
R.P.E.: _____ **L.L.S.:** P.S. No. 2000

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



DATE: MARCH 24, 2016
OPERATOR'S WELL #: LANHAM #8041
API WELL #: 47 033 01560
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: MIDDLE WEST FORK CREEK **ELEVATION:** 1161.05'

COUNTY/DISTRICT: HARRISON/UNION **QUADRANGLE:** WEST MILFORD, WV 7.5'

SURFACE OWNER: JAMES L. & JANET E. ROBINSON **ACREAGE:** 21.37±

OIL & GAS ROYALTY OWNER: _____ **ACREAGE:** _____
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: FIFTH **ESTIMATED DEPTH:** 2,310'±

WELL OPERATOR CONSOL GAS COMPANY **DESIGNATED AGENT** ANTHONY KENDZIORA
Address 1000 CONSOL ENERGY DRIVE **Address** 1 DOMINION DRIVE
City CANONSBURG **State** PA **Zip Code** 15317 **City** JANE LEW **State** WV **Zip Code** 26378

06/17/2016