



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 24, 2014

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-5902244, issued to QUALITY NATURAL GAS, LLC, 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.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

James Martin
Chief

Operator's Well No: 2224

Farm Name: CAMBRA, SUSAN & FRANK

API Well Number: 47-5902244

Permit Type: Vertical Well

Date Issued: 04/24/2014

Promoting a healthy environment.

04/25/2014

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. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR § 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR § 4-19.1.c, if the operator is unable to sample and analyze any water well or spring within one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. 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.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
7. Well work activities shall not constitute a hazard to the safety of persons.

Form: WW - 2B ATT:

If a mine void is encountered the 13 3/4" conductor pipe will be pulled allowing us to drill on down with 17 1/2" bit to 30' ± below mine floor. This will allow us to set 13 3/4" below mine void and cement below mine floor and above void using baskets. We can then continue on with 12 1/4" bit to fresh water casing point. The 9 5/8" casing can be set thru 2nd void if encountered and to fresh water casing point

Received

APR 22 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

04/25/2014

47 5902244

FORM WW-75
(REV. 9/94)

**PRESCRIPTION NOT TO BURY
PRODUCTION OR GATHERING LINES**

Pursuant to the Administrative Regulation 35CSR4-16.7 of the Office of Oil and Gas, Department of Environmental Protection, the undersigned states that:

(1) The undersigned is/are the owner(s) of record of

X the surface

or

_____ an interest in the surface of a tract of land described as follows:

Acres +/- 38
Watershed Pigeon Creek
District Lee
County Mingo
Public road access State Route 52
Generally used farm name Susan & Frank Cambra

(2) The undersigned realize (s) that a production or gathering pipeline is to be installed across the referenced surface tract in connection with the operation of the well identified below:

Well Operator Quality Natural Gas, LLC
Address P.O. Box 480
 Allen, KY 41601
Telephone (606) 874-8041
Well: API Permit No. 47-_____ ; (Pending)

(3) For sufficient and satisfactory reasons, the undersigned hereby prescribe that as far as the surface interest owned by the undersigned is/are concerned, the production or gathering pipeline need not be buried as follows:

X On any part of the surface tract identified above:

or

_____ On the following parts of the surface tract identified above:

From _____ To _____
From _____ To _____
From _____ To _____

(For execution by corporation,
partnership, etc.)

(For execution by natural persons)

Name: Susan & Frank Cambra

By: Susan Cambra Date: 3-11-14
Signature

Its: _____

Received

APR 22 2014

W2-A
(Revised 6/07)

1) Date: FEBURARY 23, 2014
2) Operator's Well Number 2224

CK# 10160
#650

3) API Well No.: 47 - 059 -
State County Permit

**STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT**

4) Surface Owner(s) to be served:
(a) Name Susan & Frank Cambra *W*
Address 311 Brazos Harbor Drive
Granbury, TX 76048
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Jeremy James
Address P.O. BOX 147
Ona, WV 25545
Telephone (304) 951-2596

5) (a) Coal Operator
Name N/A
Address _____
(b) Coal Owner(s) with Declaration
Name Susan & Frank Cambra *W*
Address 311 Brazos Harbor Drive
Granbury, TX 76048
Name Thomas W. & Carolyn J. Speshock *W*
Address 219 Southmoor Dr.,
Fort Collins Colorado 80525-2215
(c) Coal Lessee with Declaration
Name Rawl Sales & Processing Co. *W*
Address P.O. Box 772
Matewan, West Virginia 25678

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas
OR
X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)
I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through on the above named parties by:
 Personal Service (Affidavit attached)
X Certified Mail (Postmarked postal receipt attached)
 Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 35 CSR 4, and I agree to the terms and conditions of any permit issued under this application.

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, 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 and imprisonment.

Well Operator Quality Natural Gas, LLC / By: Quality Natural Gas Management, LLC / Its: Manager
By: _____
Its: Manager *Tony Kim*
Address P.O. Box 460
Allen, KY 41601
Telephone (606) 874-8041

Subscribed and sworn before me this 14 day of February, 2014
[Signature] Notary Public

Received

My Commission Expires 4-27-2017 APR 22 2014

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 EEP's Chief Privacy Officer at depprivacyofficer@wv.gov

WW-2A Surface Waiver

SURFACE OWNER WAIVER

County Mingo Operator Quality Natural Gas, LLC
Operator well number 2224

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas OR District Oil and Gas Inspector
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

List of Water Testing Laboratories. The Office maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Chief to obtain a copy.

VOLUNTARY STATEMENT OF NO OBJECTION

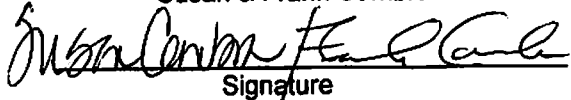
I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application for a Well Work Permit on Form WW2-A, and attachments consisting of pages 1 through ___ including a work order on Form WW2-B, a survey plat, and a soil and erosion plan, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Susan & Frank Cambra


Signature

Date: 3-11-14

Name
By
Its

Company **Received**

APR 22 2014

Signature _____
Office of Oil and Gas
WV Dept. of Environmental Protection

04/25/2014

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Mingo
Operator Quality Natural Gas, LLC Operator's Well Number 2224

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office.

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 extension 1654

5902244

WAIVER

The undersigned coal operator ___ / owner X / lessee ___ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided; the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Susan & Frank Cambra

Company

Susan Cambra / Frank Cambra Date 3-11-14
Signature

Name _____
By _____
Its _____

Signature

Date

Received

APR 22 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

04/25/2014

Susan & Frank Cambra

311 Brazos Harbor Drive
Granbury, TX 76048

February 23, 2014

Chief, Office of Oil & Gas
Department of Environmental Protection
601 57th Street
Charleston, WV 25304

Quality Natural Gas, LLC
Gas Well Application
Well Number 2224 WV State Plane Coordinates N 246,512
E 1,659,327

Dear Mr. Martin:

The undersigned owner of the coal that underlies this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Susan & Frank Cambra

Susan Cambra

By: *Ed Cambra*

Date: 3-11-14

Received

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Office of Oil and Gas
WV Dept. of Environmental Protection
04/25/2014

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Mingo
Operator Quality Natural Gas, LLC Operator's Well Number 2224

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

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Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 extension 1654

WAIVER

The undersigned coal operator / owner / lessee X / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided; the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

FOR EXECUTION BY A NATURAL PERSON FOR EXECUTION BY A CORPORATION, ETC.

<p>_____ Date _____</p> <p style="text-align: center;">Signature</p>	<p>Name</p> <p>By</p> <p>Its</p>	<p>Company <u>Rawl Sales & Processing Co.</u></p> <p><u>Michael Blackburn</u></p> <p><u>Manager / Authorized Agent</u></p> <p><u>Michael Blackburn</u> <u>3/27/14</u></p> <p style="text-align: center;">Signature Date</p>
--	----------------------------------	--

Received

APR 22 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

Rawl Sales & Processing

Post Office Box 722
Matewan, WV 25678

February 23, 2014

Chief, Office of Oil & Gas
Department of Environmental Protection
601 57th Street
Charleston, WV 25304

Quality Natural Gas, LLC
Gas Well Application
Well Number 2224 WV State Plane Coordinates N 246,512
E 1,659,327

Dear Mr. Martin:

The undersigned lessee of the coal that underlies this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____

Rawl Sales & Processing Co.

By: Michael Blackburn
Its: Authorized Agent

Received

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Office of Oil and Gas
WV Dept. of Environmental Protection

04/25/2014

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Mingo
Operator Quality Natural Gas, LLC Operator's Well Number 2224

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

To the coal operator, owner, or lessee named on page WW2-A. You are hereby notified that any objection you wish to make or are required to make by Code 22-6-15, 16 or 17, must be filed with the Chief of the Office of Oil and Gas within fifteen (15) days after the receipt of this application by the Office.

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 extension 1654

WAIVER

The undersigned coal operator / owner X / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided; the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Thomas & Carolyn Speshock

Company

[Signature] / [Signature] Date 4/3/14
Signature Name By Its

Signature Date

Received

APR 22 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

04/25/2014

Thomas & Carolyn Speschock

5902244

2919 Southmoor Dr.
Fort Collins Colorado 80525-2215

February 23, 2014

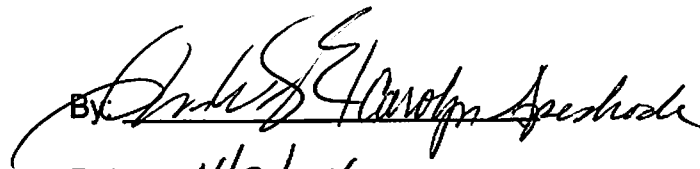
Chief, Office of Oil & Gas
Department of Environmental Protection
601 57th Street
Charleston, WV 25304

Quality Natural Gas, LLC
Gas Well Application
Well Number 2224 WV State Plane Coordinates N 246,512
E 1,659,327

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Thomas & Carolyn Speschock

By: 
Date: 4/3/14

Received

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Office of Oil and Gas
WV Dept. of Environmental Protection
04/25/2014

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6, Section 8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
Susan & Frank Cambra	Kinzer Business Realty, LTD	1/8	BK 71 P 201
Thomas & Carolyn Speshock	Kinzer Business Realty, LTD	1/8	BK 71 P 201

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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Office of Oil and Gas
WV Dept. of Environmental Protection

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Quality Natural Gas, LLC / BY: Quality Natural Gas Management, LLC / Its: Manager

By: Terry Kinzer

Its: Manager Terry Kinzer

**West Virginia Department of Environmental Protection
Office of Oil and Gas**

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.

Be advised, you have the right to sample and analyze any water supply at your own expense.

The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:

	Contractor Name	See Note Below:
	Well operator's private laboratory	
	Well Operator	Quality Natural Gas, LLC
	Address	P.O. Box 480
		Allen, KY 41601
	Telephone	(606) 874-8041

Received

APR 22 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.

Note: There are no water wells within 1000 feet. Per Department of West Virginia Oil and Gas we have extended the water samples out to 2000 feet. The inventoried houses are attached.

ATTACHMENT WW2-B-A

Laboratory used for analysis: ACCULAB, INC
167 Stollings Avenue
Logan, WV 25601

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APR 22 2014

**Office of Oil and Gas
WV Dept. of Environmental Protection**

04/25/2014

STATE OF WEST VIRGINIA
DIVISION 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: Quality Natural Gas, LLC OP Code: 494477013

Watershed: Pigeon Creek of Tug Fork Quadrangle: Delbarton

Elevation 997.9' County: Mingo District: Lee

Description of anticipated Pit Waste: Drill water, frac below back and various settings

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

Will a synthetic liner be used in the pit? Yes, if impervious material is unavailable on site. If so what mil? : ~~40~~ 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 _____)

Drilling medium anticipated for this well? Air, Freshwater, oil based, etc. Air

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

Additives to be used? No Additives

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

-If left in pit and plan to solidify what medium will be used? Cement, lime, sawdust Lime

-Landfill or offsite name/permit number? _____

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 Division 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 Terry Kinzer

Company Official (Typed Name) Terry Kinzer and/or Jerry Kinzer

Company Official Title Manager / Quality Natural Gas Management, LLC / Manager of Quality Natural Gas, LLC

Subscribed and sworn before me this 14 day of February, 20 14

[Signature] Notary Public

My Commission Expires 7-27-2017

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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 2 Prevegetation pH 7.0
 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 2 Tons/acre or hydroseed

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
KY-31	40	Orchard Grass	15
Alsike Clover	10	Alsike Clover	5
Annual Rye	5		
Redtop	2		

Attach:
 Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by:

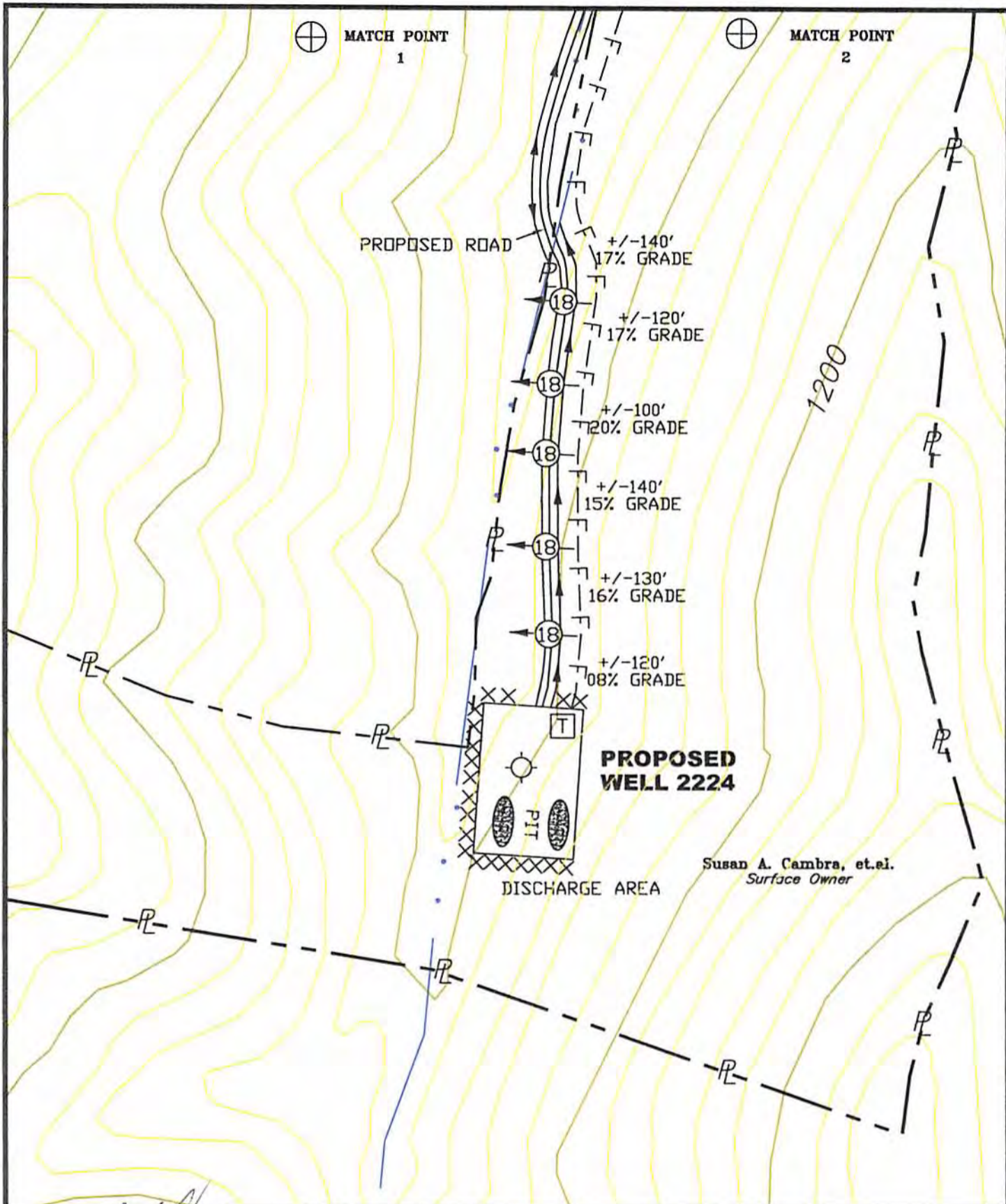
Comments: _____

Title Inspector Date: 3-20-19

Field Reviewed? Yes No

Received

APR 22 2014



SHEET 1 OF 2

[Signature]
 EXHIBIT MAP
 SURFACE PROPERTY LINES ARE APPROXIMATE; NOT TO BE USED FOR TRANSFER PURPOSES

STREAM		WATER WELL		STORAGE TANK	
ROAD		PROPOSED WELL		SPRING	
EXISTING FENCE		FLOW LINE		PIT: FILL WALLS	
PLANNED FENCE		CROSS DRAIN		PIT: CUT WALLS	
OPEN DITCH		DRAIN PIPE		STORAGE	
ROCK		FILTER STRIP		WASTE AREA	
BUILDING		DIVERSION DITCH			

B & B Engineering, LLC
 36Hatfield Lane
 Prestonsburg, KY 41653
 Phone: (606) 874-7005

QUADRANGLE: DELBARTON

COUNTY: MINGO

LEASE #: 1062

DATE: 02/23/2014

SCALE: 1" = 200'

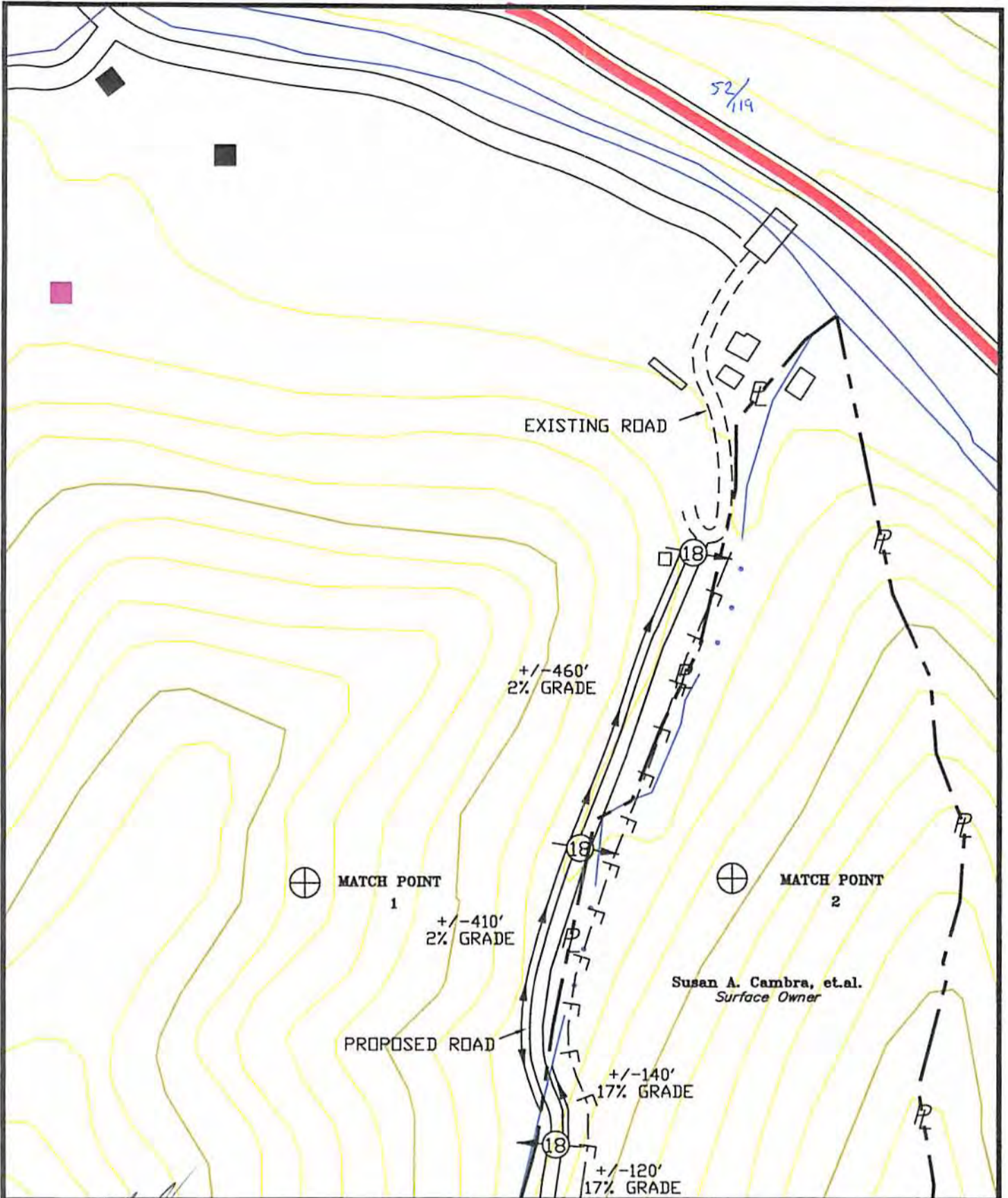
DRAWING FILE: WVA2224REC.DWG

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL & GAS
 CHARLESTON, WVA 25304

04/25/2014

**WELL SITE RECLAMATION PLAN
 GAS WELL No. 2224**

QUALITY NATURAL GAS, LLC.
 P.O. Box 480
 Allen, Kentucky 41601



SHEET 2 OF 2

[Signature]

EXHIBIT MAP
SURFACE PROPERTY LINES ARE APPROXIMATE; NOT TO BE USED FOR TRANSFER PURPOSES

STREAM		WATER WELL		STORAGE TANK	
ROAD		PROPOSED WELL		SPRING	
EXISTING FENCE		FLOW LINE		PIT: FILL WALLS	
PLANNED FENCE		CROSS DRAIN		PIT: CUT WALLS	
OPEN DITCH		DRAIN PIPE		STORAGE	
ROCK		FILTER STRIP		WASTE AREA	
BUILDING		DIVERSION DITCH			

B & B Engineering, LLC
36 Hatfield Lane
Prestonsburg, KY 41653
Phone: (606) 874-7005

QUADRANGLE: DELBARTON

COUNTY: MINGO

LEASE #: 1062

DATE: 02/23/2014

SCALE: 1" = 200'

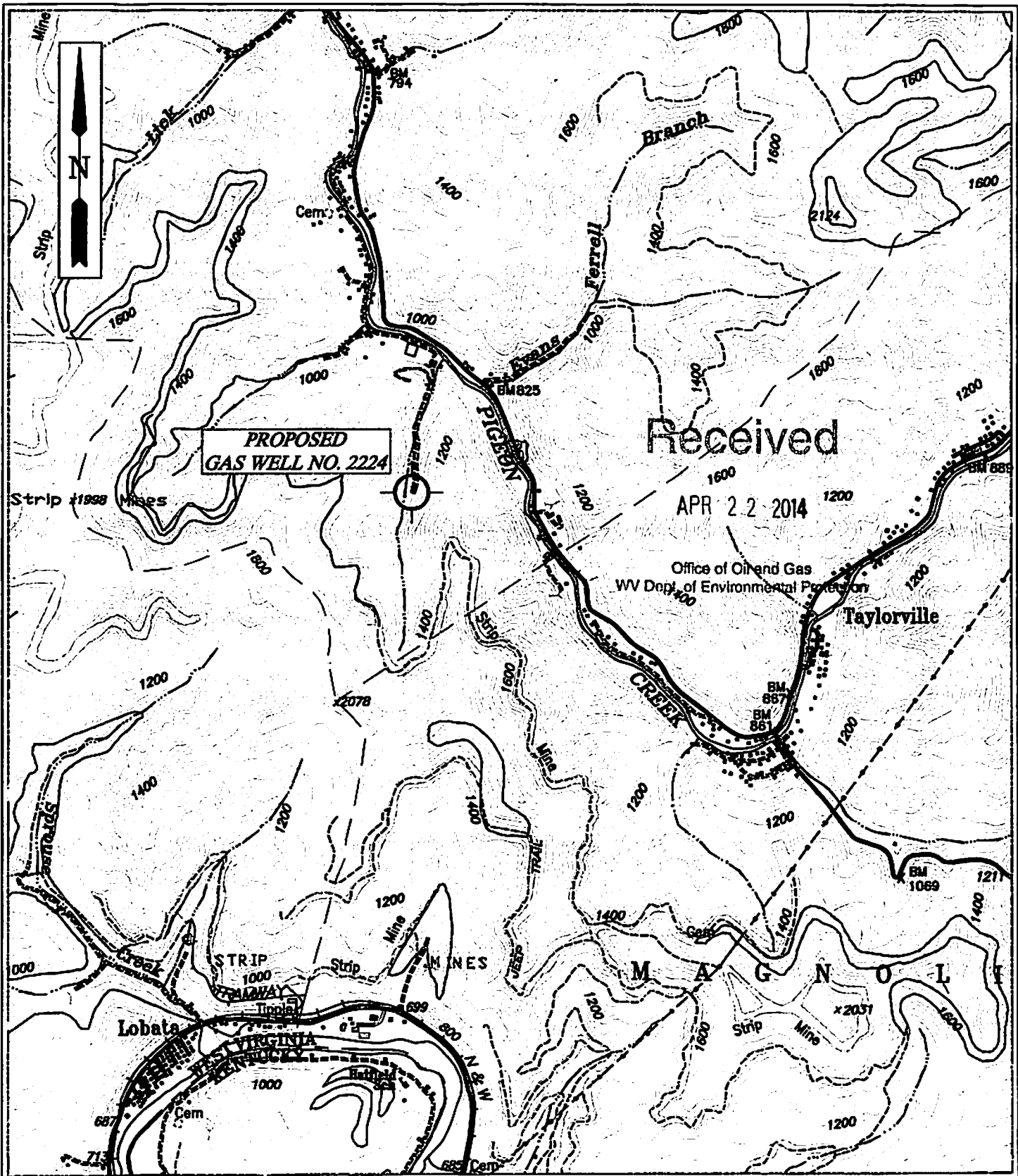
DRAWING FILE: WVA2224REC.DWG

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
CHARLESTON, WVA 25304

04/25/2014

**WELL SITE RECLAMATION PLAN
GAS WELL No. 2224**

QUALITY NATURAL GAS, LLC.
P.O. Box 480
Allen, Kentucky 41601



**PROPOSED
GAS WELL NO. 2224**

Received

APR 22 2014

Office of Oil and Gas
WV Dept. of Environmental Protection

Taylorville

STRIP #1988
MAGNOLIA

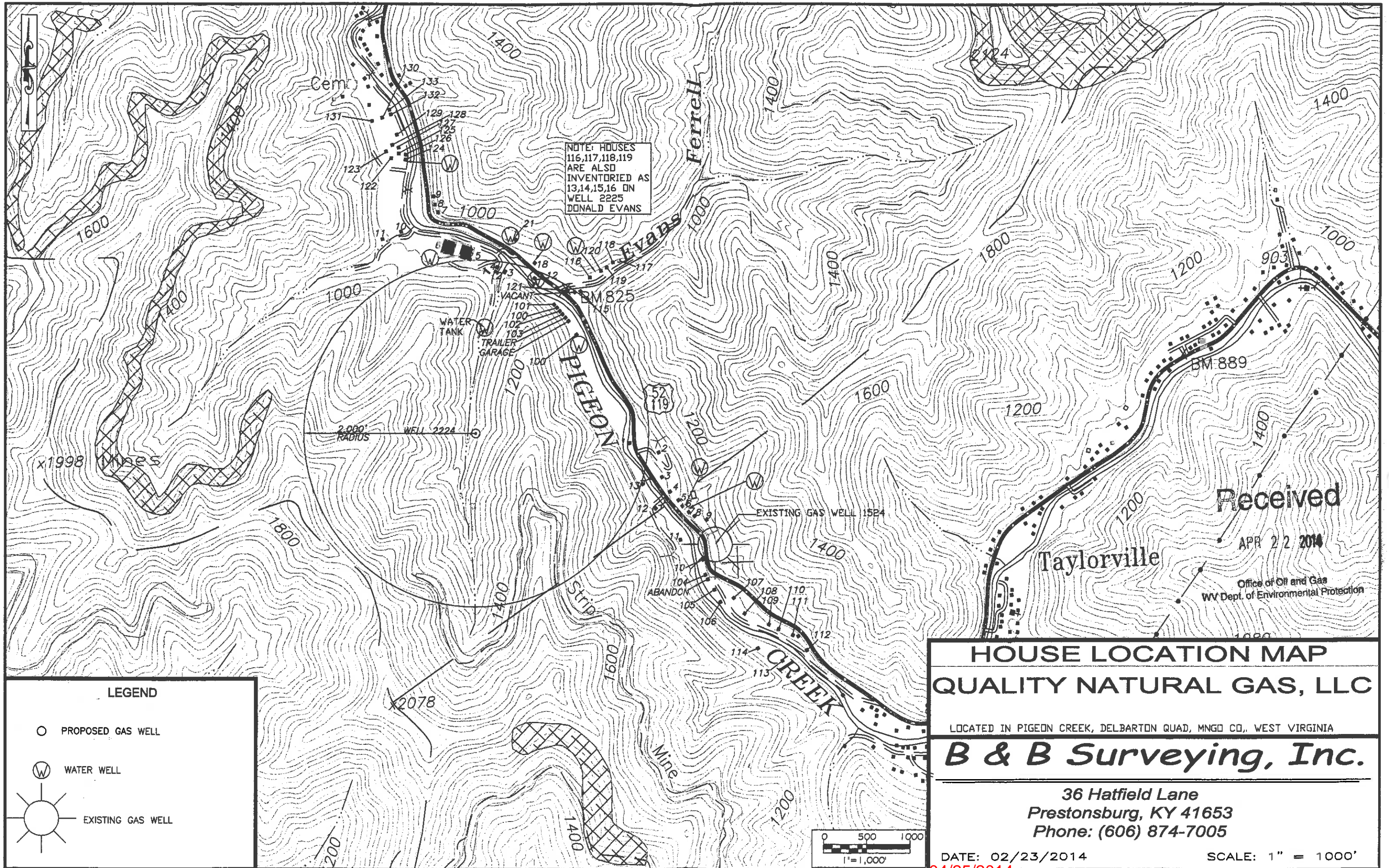
Lobata

B & B Engineering, LLC
36 Hatfield Lane
Prestonsburg, KY 41653
Phone: (606) 784-7005

**QUALITY NATURAL GAS, LLC.
LOCATION MAP**

PROPOSED GAS WELL NO. 2224

QUAD: DELBARTON
SCALE: 1" = 2000'
DATE: 02-23-2014
FILE NAME: WVA2224VIC.DWG



NOTE: HOUSES
116,117,118,119
ARE ALSO
INVENTORIED AS
13,14,15,16 ON
WELL 2225
DONALD EVANS

Received
APR 22 2014
Office of Oil and Gas
WV Dept. of Environmental Protection

HOUSE LOCATION MAP
QUALITY NATURAL GAS, LLC

LOCATED IN PIGEON CREEK, DELBARTON QUAD, MNGO CO., WEST VIRGINIA

B & B Surveying, Inc.

36 Hatfield Lane
Prestonsburg, KY 41653
Phone: (606) 874-7005

DATE: 02/23/2014

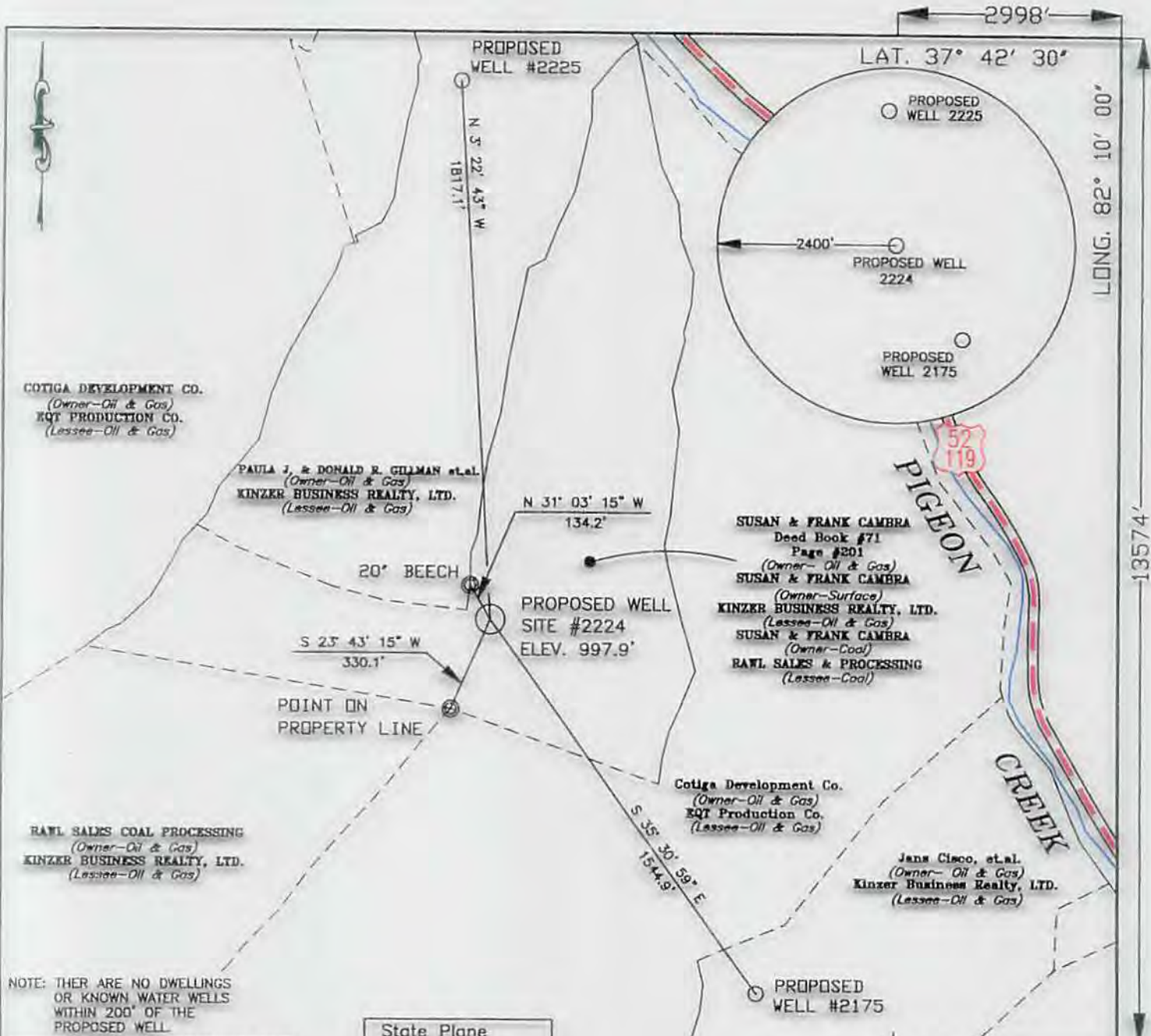
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04/25/2014

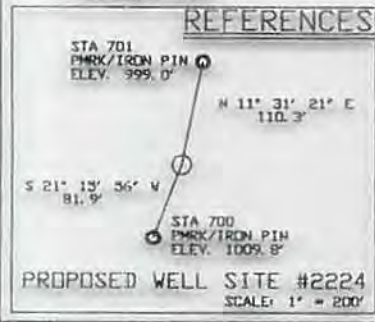
LEGEND

- PROPOSED GAS WELL
- ⊙ WATER WELL
- ☼ EXISTING GAS WELL





NOTE: THERE ARE NO DWELLINGS OR KNOWN WATER WELLS WITHIN 200' OF THE PROPOSED WELL.



State Plane
UTM NAD 83
Zone 17 (Meter)
N = 4,169,981.85
E = 396,211.23

Geographic Nad 27
LAT = 37° 40' 15.80"
LONG = 82° 10' 37.30"

State Plane
WV South NAD 27
N = 246,511.859
E = 1,659,326.767

LEGEND

+	INDICATES LOCATION WELL ON UNITED STATES TOPOGRAPHICAL MAPS
○	PROPOSED WELL
⊙	PLUGGED WELL
⊗	EXISTING WELL
⊙	SURVEY STATION
⊙	TREE
—	ROADS
—+—+—	RAILROAD
—	STREAM, TRAIL, CREEK

DRAWING No. WVA2224.DWG
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 2,500'
PROVEN SOURCE OF ELEVATION USGS B. M.
MONUMENT #672



B & B Engineering, LLC
36 Hatfield Lane
Prestonsburg, KY 41653
Phone: (606) 874-7005

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
CHARLESTON, WV, 25304

DATE: 02/23/2014
OPERATOR'S WELL NO. 2224
API WELL NO. 47-59-02244
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION OR STORAGE DEEP OR SHALLOW

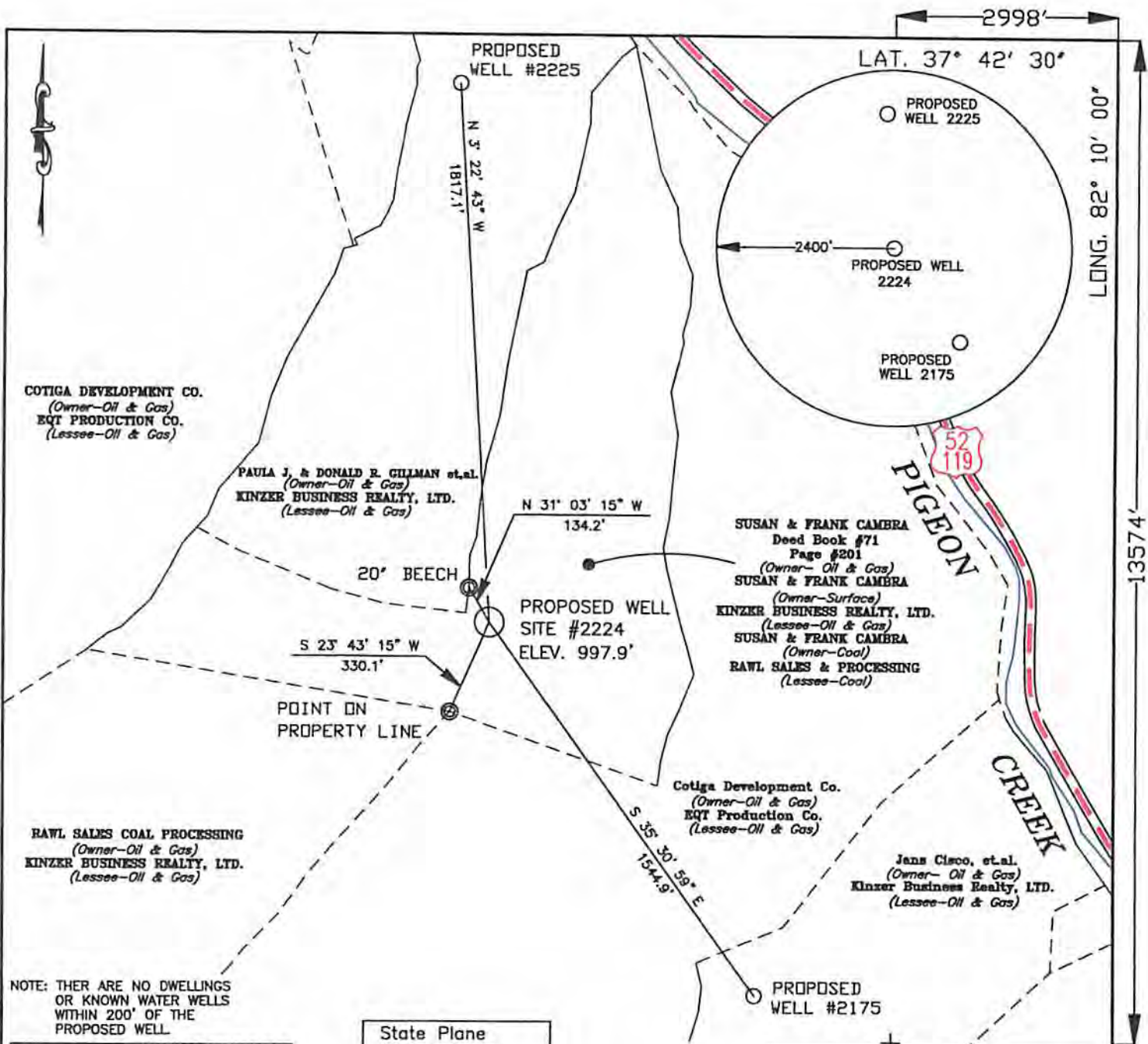
LOCATION: ELEVATION 997.9' WATER SHED PIGEON CREEK OF TUG FORK
DISTRICT LEE COUNTY MINGO
QUADRANGLE DELBARTON

SURFACE OWNER SUSAN & FRANK CAMBRA ACREAGE +/- 38
OIL & GAS ROYALTY OWNER SUSAN & FRANK CAMBRA LEASE ACREAGE +/- 38
LEASE No. 1062 04/25/2014

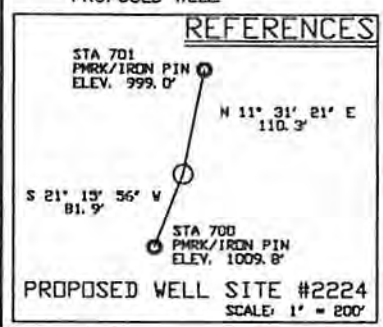
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION B. LIME, BEREA, B. SHALE. ESTIMATED DEPTH 4320'
WELL OPERATOR QUALITY NATURAL GAS, LLC DESIGNATED AGENT JAMES HILL
ADDRESS P. O. BOX 480 ADDRESS HC 71 Rt. 4, BOX 87A
Allen, Kentucky 41601 WHARNCLIFFE, WV 25651



NOTE: THERE ARE NO DWELLINGS OR KNOWN WATER WELLS WITHIN 200' OF THE PROPOSED WELL.



State Plane
UTM NAD 83
Zone 17 (Meter)
N = 4,169,981.85
E = 396,211.23

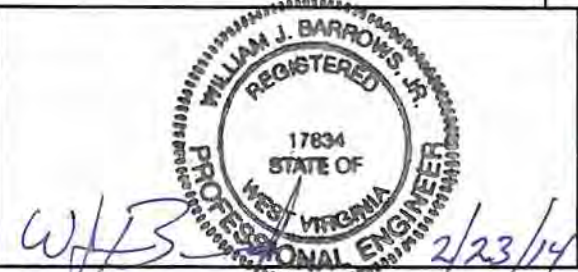
Geographic Nad 27
LAT = 37° 40' 15.80"
LONG = 82° 10' 37.30"

State Plane
WV South NAD 27
N = 246,511.859
E = 1,659,326.767

LEGEND

+	DENOTES LOCATION WELL ON UNITED STATES TOPOGRAPHICAL MAPS
○	PROPOSED WELL
⊙	PLUGGED WELL
⊛	EXISTING WELL
⊙	SURVEY STATION
○	TREE
—	ROADS
—+—+—	RAILROAD
—~—~—	STREAM, DRAIN, CREEK

DRAWING No. WVA2224.DWG
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 2,500'
 PROVEN SOURCE OF ELEVATION USGS B.M.
 MONUMENT #672



B & B Engineering, LLC
 36 Hatfield Lane
 Prestonsburg, KY 41653
 Phone: (606) 874-7005

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 CHARLESTON, WV. 25304

DATE: 02/23/2014
 OPERATOR'S WELL NO. 2224
 API WELL NO. 47 -- 59 -- 02244
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION OR STORAGE DEEP OR SHALLOW

LOCATION: ELEVATION 997.9' WATER SHED PIGEON CREEK OF TUG FORK
 DISTRICT LEE COUNTY MINGO
 QUADRANGLE DELBARTON

SURFACE OWNER SUSAN & FRANK CAMBRA ACREAGE +/- 38
 OIL & GAS ROYALTY OWNER SUSAN & FRANK CAMBRA LEASE ACREAGE +/- 38
 LEASE No. 1062

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION B. LIME, BEREA, B. SHALE. ESTIMATED DEPTH 4320'
 WELL OPERATOR QUALITY NATURAL GAS, LLC DESIGNATED AGENT JAMES HILL
 ADDRESS P.O. BOX 480 ADDRESS HC 71 Rt. 4, BOX 87A
Allen, Kentucky 41601 WHARNCLIFFE, WV 25651

04/25/2014

FORM WW-75
(REV. 9/94)

**PRESCRIPTION NOT TO BURY
PRODUCTION OR GATHERING LINES**

Pursuant to the Administrative Regulation 35CSR4-16.7 of the Office of Oil and Gas, Department of Environmental Protection, the undersigned states that:

(1) The undersigned is/are the owner(s) of record of

X the surface

or

_____ an interest in the surface of a tract of land described as follows:

Acres +/- 38
Watershed Pigeon Creek
District Lee
County Mingo
Public road access State Route 52
Generally used farm name Susan & Frank Cambra

(2) The undersigned realize (s) that a production or gathering pipeline is to be installed across the referenced surface tract in connection with the operation of the well identified below:

Well Operator Quality Natural Gas, LLC
Address P.O. Box 480
 Allen, KY 41601
Telephone (606) 874-8041
Well: API Permit No. 47-_____ ; (Pending)

(3) For sufficient and satisfactory reasons, the undersigned hereby prescribe that as far as the surface interest owned by the undersigned is/are concerned, the production or gathering pipeline need not be buried as follows:

X On any part of the surface tract identified above:

or

_____ On the following parts of the surface tract identified above:

From _____ To _____
From _____ To _____
From _____ To _____

(For execution by corporation,
partnership, etc.)

(For execution by natural persons)

Received

Name: Susan & Frank Cambra

By [Signature] Date: 3-11-14
Signature

APR 22 2014

Its: _____

Office of Oil and Gas
WV Dept. of Environmental Protection

04/25/2014