

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

September 30, 2014

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-5902251, 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.

Chief

James Martin

Operator's Well No: 2358

Farm Name: LOGAN COAL & TIMBER CORP.

API Well Number: 47-5902251 Permit Type: Vertical Well

Date Issued: 09/30/2014

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.
- 8. This permit is being conditioned to address the possibility of flooding in the area of this well. Any tanks stored on this location must be securely anchored in cement to prevent the loss of tanks should a flood occur. In addition, cages must be placed around the well head to prevent debris from damaging the well head.

Form: WW - 2B

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WELL WORK PERMIT APPLICATION

194477013 Operator ID 3) EI	059 County	Magnolia District	Majestic Quadrangle
		District	Quadrangle
3) EI	tar with		
	evation: _	1134.8'	_
Storage	_		
_Proposed oposed To	d Target stal Depth	Depth: <u>457</u> n: <u>Harrell (</u>	<u>8'</u> 'Genesee) -
a void is end	ountered s	ee WW-2B /	Attachment
	_Proposed	oposed Total Depth	

TYPE S	SPECIFIC	ATIONS		FOOTAGE	INTERVALS	CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	13 3/8"	L.S.	37'	42 '	42 '	C.T.S.
Fresh Water	9 5/8"	L.S.	32'	731'	731'	C.T.S.
Coal	9 5/8"	L.S.	32'	731'	731'	C.T.S.
Intermediate	7"	L.S.	17'	2388'	2388'	C.T.S.
Production	4 1/2"	WTC 65	10.5	4598'	4598'	200'up in 7" casing
Tubing						
Liners						

Packers:

Kind

Sizes

Depths Set

AUG 2 9 2014

Form: WW - 2B ATT:

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

Received

AUG 2 9 2014

Office of Oil and Gas
WV Dopt, of Environmental Protection

WW2-A	
(Revised	6/07)

1) Date: JUNE 03, 2014
2) Operator's Well Number 2358

3) API Well No.: 47 -

059 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

	er(s) to be served:	5) (a) Coal C	
(a) Name	SEE ATTCHEMNT WW2-A1	Name	CAM MINING, LLC.
Address		Address	P.O. BOX 1169 PIKEVILLE, KY 41502
(b) Name	*		ner(s) with Declaration
Address	1 	Name	SEE ATTACHMENT WW2-A2
		Address	
200	·	O. S. S.	
(c) Name) (Name	
Address		Address	
6) Inspector	Jeremy James	(c) Coal Les	see with Declaration
Address	P.O. BOX 147	Name	CAM OF KENTUCKY REAL ESTATE, LLC.
Address	Ona, WV 25545	Address	P.O. BOX 1169 PIKEVILLE, KY 41502
Telephone	(304) 951-2596		T.O. BOX TIGOT METHEL, M. T.O.
001961-3130	A Transaction of the second		
	TO THE PERSONS	NAMED ABOVE TA	KE NOTICE THAT:
	he lease or leases or other continuing co	ontract or contracts b	y which I hold the right to extract oil and gas
<u>OR</u>			(1) - O- 1 () () () () (-) (-)
X Included is t	he information required by Chapter 22, A	Article 6, Section 8(d)	of the Code of West Virginia (see page 2)
I certify that as re	equired under Chapter 22-6 of the West	t Virginia Code I hav	e served copies of this notice and application, a location
plat, and accomp	panying documents pages 1 through	on the above name	parties by:
_	Personal Service (Affidavit attac		
2	X Certified Mail (Postmarked post		
	Publication (Notice of Publication	n attached)	
		1 35 CSR 4, and 1	agree to the terms and conditions of any permit issued
under this applica	ation.		to the the left work or the interest on this
I certify	under penalty of law that I have pe	rsonally examined a	and am familiar with the information submitted on this
application form	and all attachments, and that based of	on my inquiry of tho	se individuals immediately responsible for obtaining the
information, I bel	ieve that the information is true, accurate	ties for submitting	false information, including the possibility of fine and
imprisonment.	ware that there are significant penal	lies for submitting	laise information, including the possibility of the und
imprisorintent.	Well Operator	Quality Natura	Il Gas, LLC / By: Quality Natural Gas Management,
Lic		LLC / Its: Mana	
	AUG 29 2014 By: Its:	1	Land Land
	ANG 29 Its:	Manager	
		P.O. Box 460	
	A GRS 400	Allen, KY 4160	14
	Office of Oil and Gns Telephone	(606) 874-8041	
0	on of Euglinian	(000) 014-0041	
Subscribed and	sworn before me this	of Suns	2014
Castoline and			
Allen	all deles		Notary Public
1	Office of Oil and Gns Telephone sworn before me this		and desired
My Commission	Expires		Transfer Value
A ST. ST. ST. ST. ST. ST.	*		

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 departing officer (SWA)

WW2-A1 SURFACE OWNERS

Logan Coal & Timber Corporation 37 North Valley Road, Suite 2-A, Paoli, Pennsylvania 19301

C.W. Campbell Company 848 Fourth Avenue, Suite 301 Huntington, West Virginia 25701

Dingess-Rum Properties, Inc.
723 Kanawha Boulevard, East
Union Building, Fourteenth Floor
Charleston, West Virginia 25301

Received

AUG 2 9 1014

Office of Oil and Gas WV Dept. of Environmental Protection

	SU	JRFACE OWNER WA	AIVER	
County	Mingo	Operator	_	Quality Natural Gas, LLC
·		Operator well	number	2358
	INSTRUCTIONS TO	SURFACE OWNERS NA	AMED ON PAG	<u>SE WW2-A</u>
If the surface appeared of the only permits are	ce tract is owned by more than thron the Sheriff's tax ticket on the land owner who will actually receive to valid for 24 months. If you do not immediately if you know who it is. NOTE: YOU ARI	ree persons, then these of or because you actually these materials.) See Cot own any interest in the	materials were y occupy the su hapter 22 of the surface tract, plus operator and the ANY COMI	MENT.
Department 601 57 th St.	WV 25304	d Gas Inspector		
Time Limit operator file be filed in p be sure of handling. It the planned	s and methods for filing comments his Application. You have FIFTE person or received in the mail by the the date. Check with your post of you have been contacted by the value of work described in these materials.	EEN (15) DAYS after the ee Chief's office by the tin master to ensure adequated on well operator and you have then the permit may be it	filing date to filine stated above ate delivery ting we signed a "volusioned at any ting	
operator's r the applicat The 1) 2) 3)	name and well number and the app tion. You may add other documents c Chief has the power to deny or co The proposed well work will consti The soil erosion and sediment con Damage would occur to publicly of The proposed well work fails to pro	proximate location of the pass, such as sketches, map endition a well work permititute a hazard to the safet entrol plan is not adequate weed lands or resources;	oroposed well so or photograph to based on common or persons. or effective;	ss and telephone number, the well site including district and county from hs to support your comments. Inments on the following grounds:
5) if y	The applicant has committed a s more of the rules promulgated und	ubstantial violation of a plant of the control of t	previous permit ailed to abate o	t or a substantial violation of one or seek review of the violation". r denying the permit, you should
<u>Lis</u>	t of Water Testing Laboratories. water to establish water quality price		intact the Chief	
Application	ereby state that I have read the ins for a Well Work Permit on Form V orm WW2-B, a survey plat, and a	structions to surface owner two two structions to surface owners.	ers and that I had consisting of page	ave received copies of a Notice and ages 1 through including a work on my surface land as
a permit be	ing issued on those materials. CUTION BY A NATURAL PERSON	·		materials, and I have no objection to ION BY A CORPORATION, ETC.
	ROCCIVE AUG 29 D	d	Logan Co	al & Timber Corporation
	Signature AUG 2 9 D	Ate: Name By Its	Rodm? Pres	
	MM Duly of Floridation (112	Palma	n E hompant 2014-07
	Aid Duly a gran		Signature	Date

10/03/2014

10/03/2014

WW-2A Surface Waiver

	SU	RFACE OWNER W	AIVER	
County	Mingo	Operator		Quality Natural Gas, LLC
		Operator well	number	2358
	INSTRUCTIONS TO	SURFACE OWNERS N	AMED ON PAGE	<u> </u>
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Chief, Office of Oil	and Gas OR District Oil and	Gas Inspector		
Department of Env 601 57 th St. SE	ironmental Protection			
Charleston, WV 28 (305) 926-0450	5304			
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a permit being issu	ued on those materials. I BY A NATURAL PERSON	to the planned work des		ON BY A CORPORATION, ETC.
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10/03/2014

WW-2A Surface Waiver

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	and Gas OR District Oil and ronmental Protection 304	d Gas Inspector		
operator files his Ap be filed in person of be sure of the dat handling. If you ha the planned work do Comments must operator's name an the application. Yo The Chief h 11) The pro 12) The so 13) Damag 14) The pro 15) The ap more of If you war request a copy fro List of Wa to test your water to I hereby sta	pplication. You have FIFT received in the mail by the e. Check with your post we been contacted by the escribed in these materials be in writing. Your com d well number and the app u may add other document as the power to deny or co posed well work will const il erosion and sediment con e would occur to publicly o posed well work fails to pr plicant has committed a s f the rules promulgated une at a copy of the permit a m the Chief. ter Testing Laboratories o establish water quality pri VOLUNT ate that I have read the ins ell Work Permit on Form V	EEN (15) DAYS after the me Chief's office by the tint throater to ensure adequate well operator and you have, then the permit may be imments must include you proximate location of the part of the pa	filing date to file you me stated above. It is a delivery time we signed a "volunt issued at any time. It is an ame, address proposed well site to so reflective; is or supplies; previous permit or failed to abate or set of the order delist of water testing on tact the Chief to OOBJECTION ers and that I have consisting of page	and telephone number, the well including district and county from to support your comments. Into on the following grounds: a substantial violation of one or eek review of the violation". enying the permit, you should g laboratories which you can hire
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FOR EXECUTION	BY A NATURAL PERSON	ved	Dingess-Run	n Properties, Inc
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	707 to 2000 of 500	and Fast	lung by	12 HA119
	(0)(1)		Signature	Date

WW2-A2 COAL OWNERS

Logan Coal & Timber Corporation 37 North Valley Road, Suite 2-A, Paoli, Pennsylvania 19301

C.W. Campbell Company 848 Fourth Avenue, Suite 301 Huntington, West Virginia 25701

Dingess-Rum Properties, Inc.
723 Kanawha Boulevard, East
Union Building, Fourteenth Floor
Charleston, West Virginia 25301

Received

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Office of Oil and Gas WV Dept. of Environmental Protection

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County	Mingo			
Operator	Quality Natural Gas, LLC	Operator's Well	Number	2358
any objection y	INSTRUCTIONS TO Co coal operator, owner, or less ou wish to make or are red e Office of Oil and Gas wi	ssee named on pa	ge WW2-A. You are Code 22-6-15, 16 or	e hereby notified that 17, must be filed with
the Office.				
601 57 th St. SE Charleston, W	Environmental Protection			
(304) 920-0499	extension 1054	WAIVER		
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FOR EXECUTION	I BY A NATURAL PERSON	1	FOR EXECUTION BY A	CORPORATION, ETC.
			CAM MINING, LL	C.
	Date	Name	RONALD G. 1	HULL
Signat	ure	By Its	GM- ENG	
		1,00	Ronald J. Hull	8/19/
			Signature	Date

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County	Mingo			
Operator	Quality Natural Gas, LLC	Operator's Well	Number	2358
	INSTRUCTIONS TO CO	OAL OPERATOR	, OWNER, OR LESS	EE
any objection y	coal operator, owner, or lest you wish to make or are requee of Oil and Gas wi	uired to make by	Code 22-6-15, 16 or	17, must be filed with
601 57 th St. SE Charleston, W	Environmental Protection V 25304			
(304) 926-0499	extension 1654			
		WAIVER		
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			Cam of Kentucky	Real Estate, LLC.
	Date	Name	RONALD G.	HULL
Signat		Ву		
		Its	GM-ENG	
			Ronald G. Hull	8/19/14
			Signature	Date
				la sist
			Flece	veu

Office of Office Gas WV Dept. of Environmental Projection

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County Operator	Mingo Quality Natural Gas, LLC	Operator's Weil	Number	2358
IN	STRUCTIONS TO CO	OAL OPERATOR	, OWNER, OR LE	SSEE
any objection you wi	sh to make or are req	uired to make by	Code 22-6-15, 16	are hereby notified that or 17, must be filed with ipt of this application by
Chief, Office of Oil a Department of Enviro 601 57 th St. SE Charleston, WV 253 (304) 926-0499 exte	onmental Protection 04	WAIVER		
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			_	Timber Corporation
Signature	Date	By Its	President Column E Signature	THOMPSON TO Thompson, 2014-027.
		CEIVED JG 29 214 Jilice of Oil and Gas Joi Environmental Protection	n	

County	Mingo		
Operator	Quality Natural Gas, LLC	Operator's Well Number	2358
	INSTRUCTIONS TO CO	OAL OPERATOR, OWNER, OF	RLESSEE
any objection ye	ou wish to make or are rec	ssee named on page WW2-A. Juired to make by Code 22-6-15 thin fifteen (15) days after the	, 16 or 17, must be filed with
601 57 th St. SE Charleston, WV	Environmental Protection		
(00.) 020 0.00	CALCITICATE TO T	WAIVER	
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FOR EXECUTION	BY A NATURAL PERSON	FOR EXECUTION	N BY A CORPORATION, ETC.
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	Date	Name /	
Signat		Its Signature	Bolder 7/7/14 Date
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WA Limit in Employees and other

County Operator	Mingo Quality Natural Gas, LLC	Operator's Well	Number	2358
Operator	quality Natural Gas, 225	_ Operator 3 vven		
	INSTRUCTIONS TO CO	OAL OPERATOR	, OWNER, OR L	ESSEE
any objection y	oal operator, owner, or less ou wish to make or are red e Office of Oil and Gas wi	uired to make by	Code 22-6-15, 1	ou are hereby notified that 6 or 17, must be filed with ceipt of this application by
601 57 th St. SE Charleston, W	Environmental Protection / 25304			
(304) 926-0499	extension 1654			
		WAIVER		
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FOR EXECUTION	NOT A NATURAL PERSON		ON EXECUTION	TA CONTONATION, ETC.
			Dingess-Ru	im Properties, Inc
	Date	Name	Tonne	ry Evans
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			Signature	Date
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Operator's	Well	Number
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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
-	Logan Coal & Timber Corporation	Kinzer Business Realty, LTD	1/8	BK 27 P 208
	C.W. Campbell Company	Kinzer Business Realty, LTD	1/8	BK 27 P 208
	Dingess-Rum Properties, Inc.	Kinzer Business Realty, LTD	1/8	BK 27 P 208

SEE ATTACHED

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

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.

Mean 214	Well Operator:	Qu
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WAS CHANGED AND SOURCE THE THE PERSON	ochinetts:	IVIC

	Natural				Quality	Natural	Gas
lanage	ment, LL	C / Its	: Mana	ger			

Manager / Hy

Kinzer Business Realty, Ltd.

Quality Natural Gas, LLC P. O. Box 460 Allen, Kentucky 41601 Telephone #606-874-8041 Facsimile #606-874-9928 dlester@kinzerdrilling.com

September 11, 2014

West Virginia Department of Environmental Protection 601 57th Street, S.E. Charleston, West Virginia 25304

Attn.: Mr. Jeff McLaughlin

Re: Pending

Pending 11 Well Applications Quality Natural Gas, LLC Logan Coal & Timber Corp., et al Mingo County, West Virginia

Dear Jeff:

As per our discussions yesterday regarding the relationship of the current Lessee, Kinzer Business Realty, Ltd., and that of the current applicant of the eleven (11) pending permit application by Quality Natural Gas, LLC, please be advised that these entities are currently owned and operated by the Kinzer Family. Kinzer Business Realty, Ltd., has designated Quality Natural Gas, LLC (as operator thereof) to permit, operate and maintain oil and gas wells in Kentucky and West Virginia.

Should you have any questions, please feel free to contact me at your earliest convenience.

Singerely,

Duane Lester

Designated Operator

Quality Natural Gas, LLC

By: Quality Natural Gas Management, LLC

Its: Manger

General Manager

Consenting Party:

Kinzer Business Realty, Ltd.

By: Kinzer Buiness Realty, LLC

Its: General Partner

By:___

General Manager

STATE OF KENTUCKY
STATE AT LARGE
, a Notary Public of said County and State aforesaid, do certify that born the dear Manager of QUALITY NATURAL GAS, LLC, whose name is signed to the within writing has this day acknowledged the same before me in said county.
My commission expires 4.24.2017
Notary Public STATE OF KENTUCKY
STATE OF KENTUCKY
STATE AT LARGE
, a Notary Public of said County and State aforesaid, do certify that Doug Hyden, General Manager of Kinzer Business Realty, Ltd., whose name is signed to the within writing has this day acknowledged the same before me in said county.
My Commission Expires: 7.27.267
Given under my hand this 11 day of Sepher 2014 Notary Public OUBLIC APROE, KENTUCKER APROE, KENTUC

WW-2B1
(5-12)

Well N	O. 2358	
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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.

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

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name
Sampling Contractor

ACCULAB, INC., 167 Stollings Avenue, Logan, WV 25601

Acculab, Inc., 167 Stollings Avenue, Logan, WV 25601

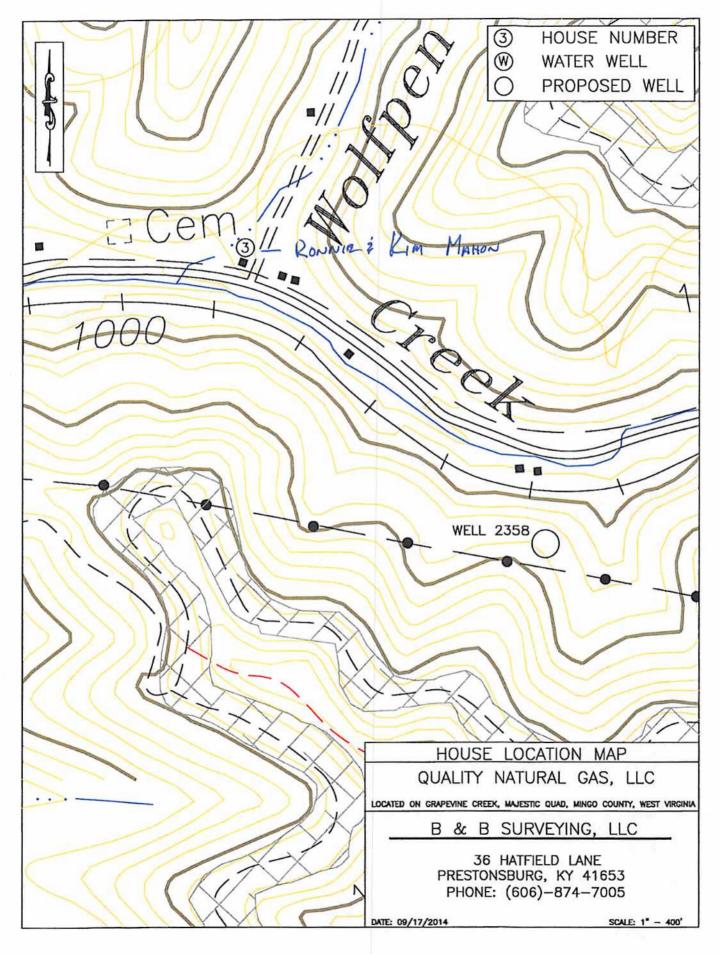
Well Operator
Address
Quality Natural Gas, LLC
P.O. Box 460

Allen, KY 41601

Telephone (606) 874-8041

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, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

RONNIE & KIM MAHON
POBOX 222
EDGARTON, WV 25672



FORM WW-9 Rev. 05/10

Page	of	
API Num	ber 47 - 059 -	
Operator's	s Well No. 2358	

STATE OF WEST VIRGINIA

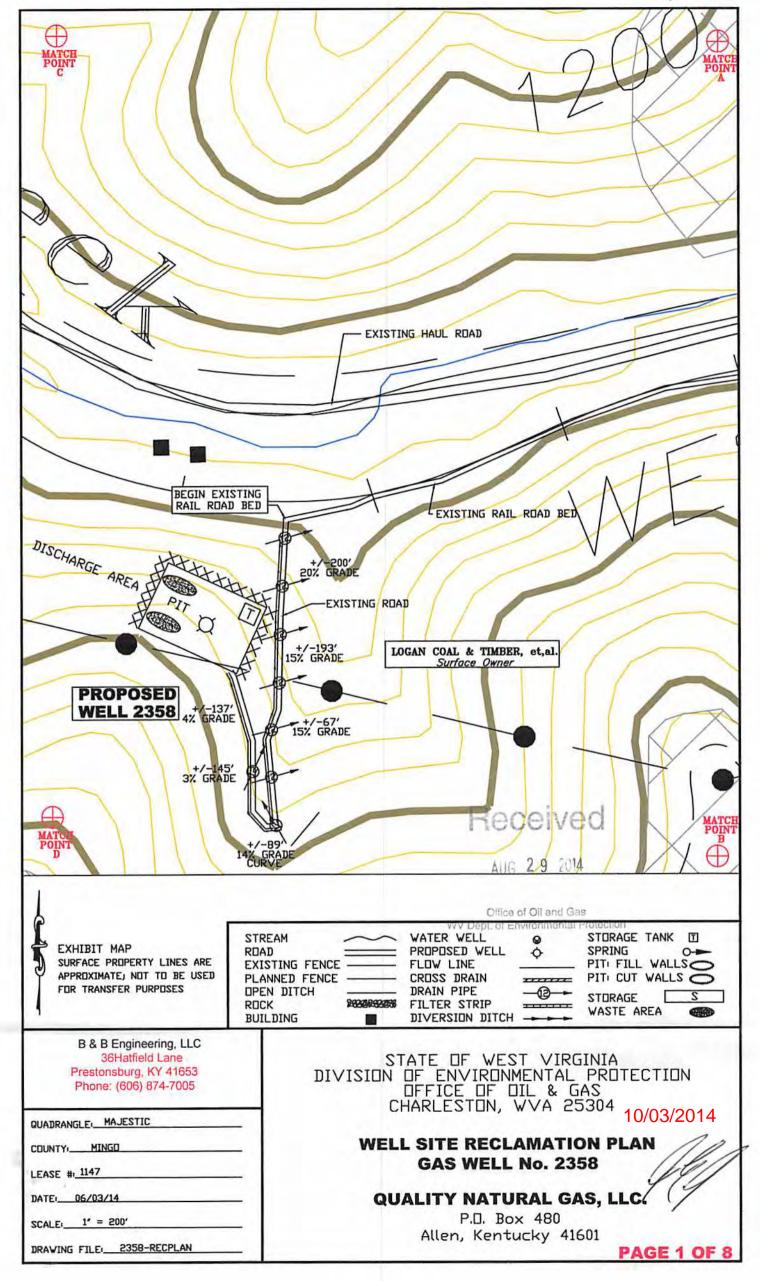
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

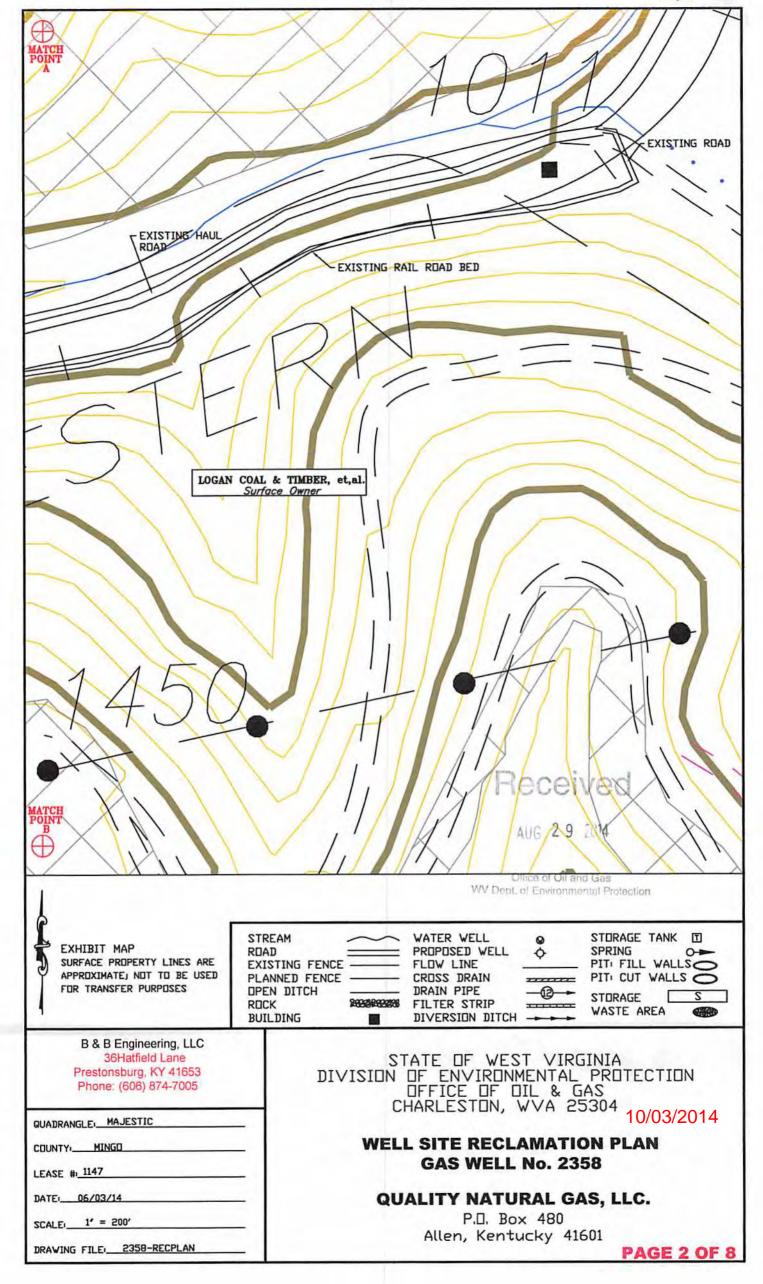
Operator Name:	Quality Natur	al Gas, LLC		OP Code:	494477013	
Watershed:	Grapevine Creek o	f the Tug Fork River			Quadrangle: Ma	jestic
Elevation _	1134.8'	County: Mingo	District:	Magnolia		_
Description of a	nticipated Pit Wast	e: Water encountered	l while drilling a	nd various for	mation cutting	<u>28</u>
Do you anticipa	te using more tha	in 5,000 bbls of water to	complete the prop	sed well work?	? Yes	No _X
Will a synthetic	liner be used in the	pit? Yes, if imperviou	ıs material is un	available on si		19: 10 ZOMIL
Proposed Dispos	sal Method For Tre				dwn	
	<u>x</u>	Land Application Underground Injecti Reuse (at API Numb Off Site Disposal (S Other (Explain	er	or disposal local		
-If oil	anticipated for the based what type? Sused? No Additiv	is well? Air, Freshwater, of Synthetic, petroleum, etc. ves	oil based, etc. <u>Air</u>			
-If left	in pit and plan to	ave in pit, landfill, remov solidify what medium wi /permit number?	Il be used? Cement,	lime, sawdust	Lime	
31, 1999, by the enforceable by a action. I certi all attachments information is to of fine or impris	Office of Oil and law. Violations of fy under penalty of thereto and that, brue, accurate, and of comment.	Gas of the West Virginia f any term or condition of f law that I have personal assed on my inquiry of the	Division of Enviro of the general perm ly examined and an ose individuals imput at there are significat	nmental Protecti it and/or other a n familiar with the nediately respon int penalties for	ion. I understand applicable law of the information su sible for obtaining	TION PERMIT issued on December I that the provisions of the permit are regulation can lead to enforcement abmitted on this application form and ing the information, I believe that the information, including the possibility
Company Offici	144 177	1				
Company Offici		Terry Kinzer and/or		LC / Manager o	of Quality Natur	al Gas, LLC
Subscribed and	sworn before me t	Jan R.	Rece		ry Public	
My Commission	n Expires7	7105.75.	AUG 2	9 7.114		- Chapter Control

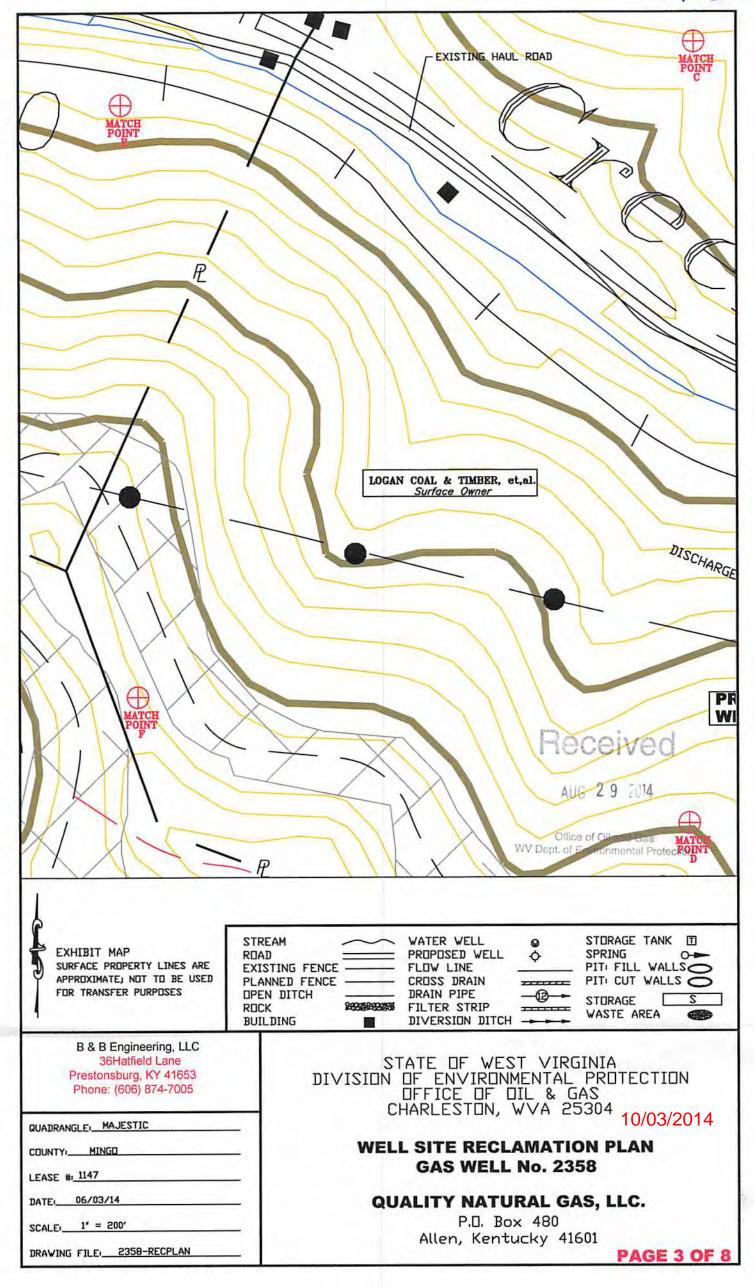
2358

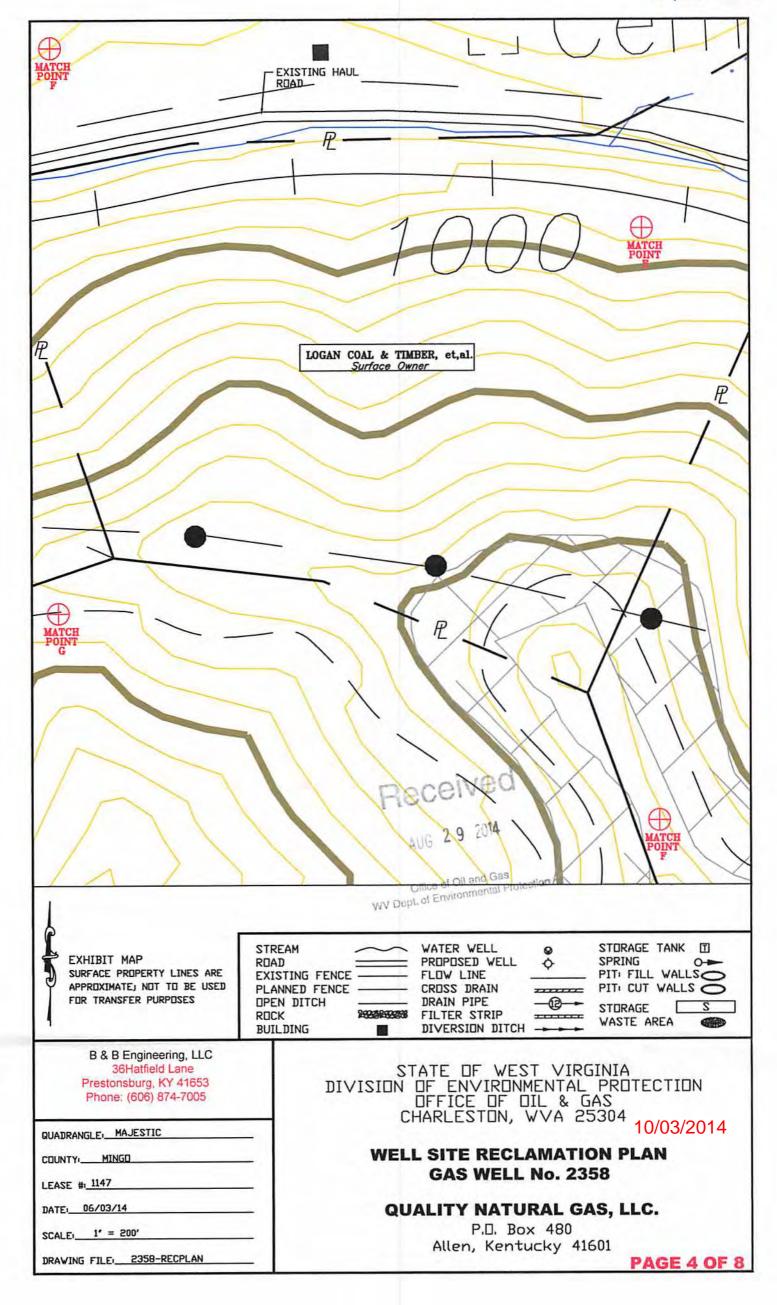
Operator's Well No.

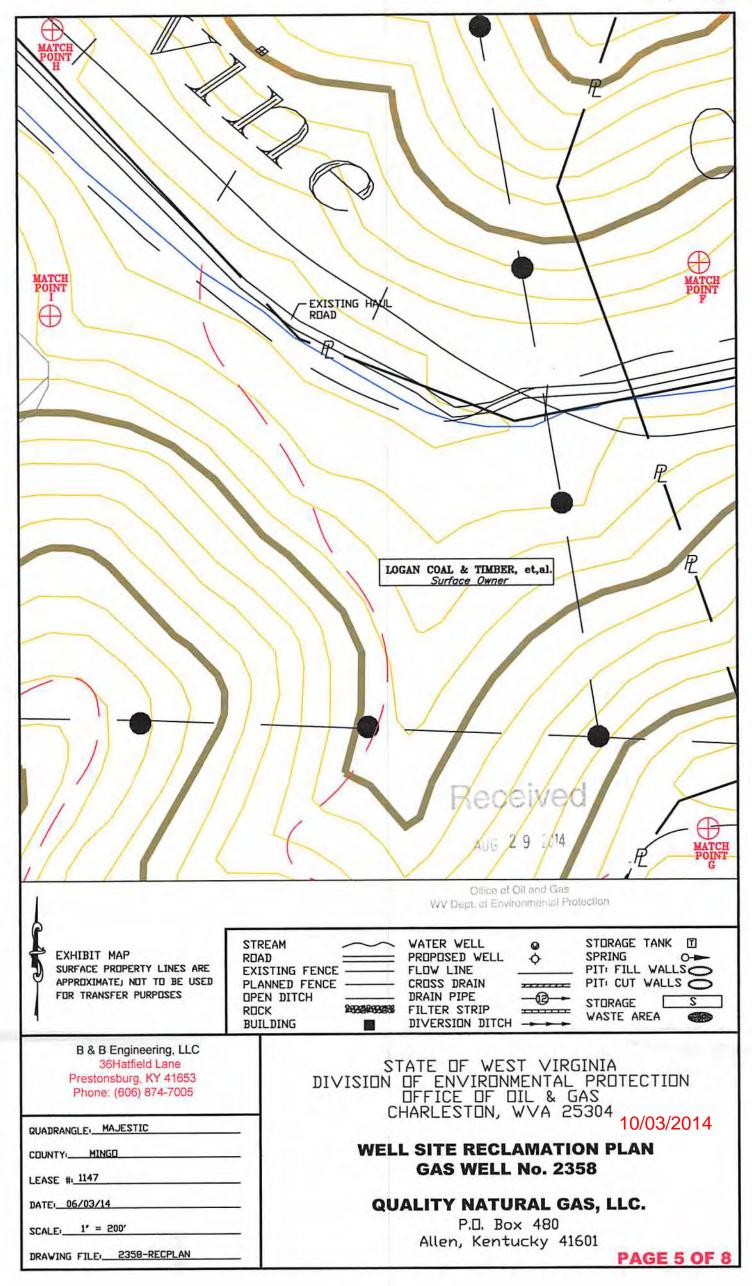
Property Boundary Road = = = = = = = =	es @
Existing Fence — X — X — X — Wet Spot — Wet Spot — Drain Pipe with size in inche Stream — — — — — — — — — — — — — — — — — — —	
Planned Fence — X — X — Wet Spot Drain Pipe with size in inche Stream	
Planned Fence// Drain Pipe with size in inche Stream	
Open Ditch — Waterway Cross Drain — Artificial Filter Strip	\leftarrow
Open Ditch Cross Drain TITTE	
Rock 686888	1111111
00000	XXXXXXXXX
North N Pit: cut walls 6, 1, 3	
The second of th	muy
	f Pit Waste
Drill site	
roposed Revegetation Treatment: Acres Disturbed2 Prevegetation pH7.0	
Lime 3Tons/acre or to correct to pH 6.5	
Fertilizer (10-20-20 or equivalent) lbs/acre (500 lbs minimum)	
Mulch 2 Tons/acre or hydroseed	
Seed Mixtures	
A see a	Area II
Area I Seed Type Ibs/acre Seed Type	lbs/acre
	s 15
KY-31 40 Orchard Grass Alsike Clover 10 Alsike Clover	5
Annual Rye 5	
Redtop 2	

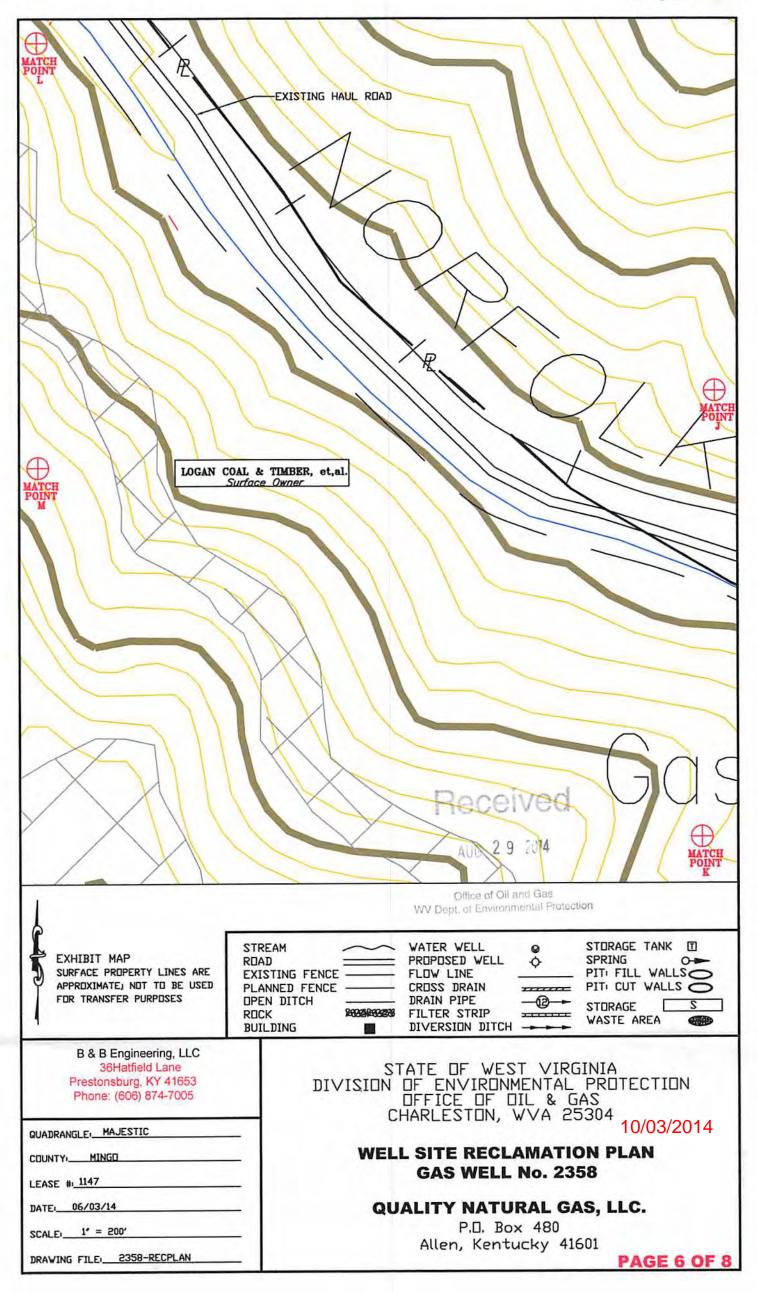


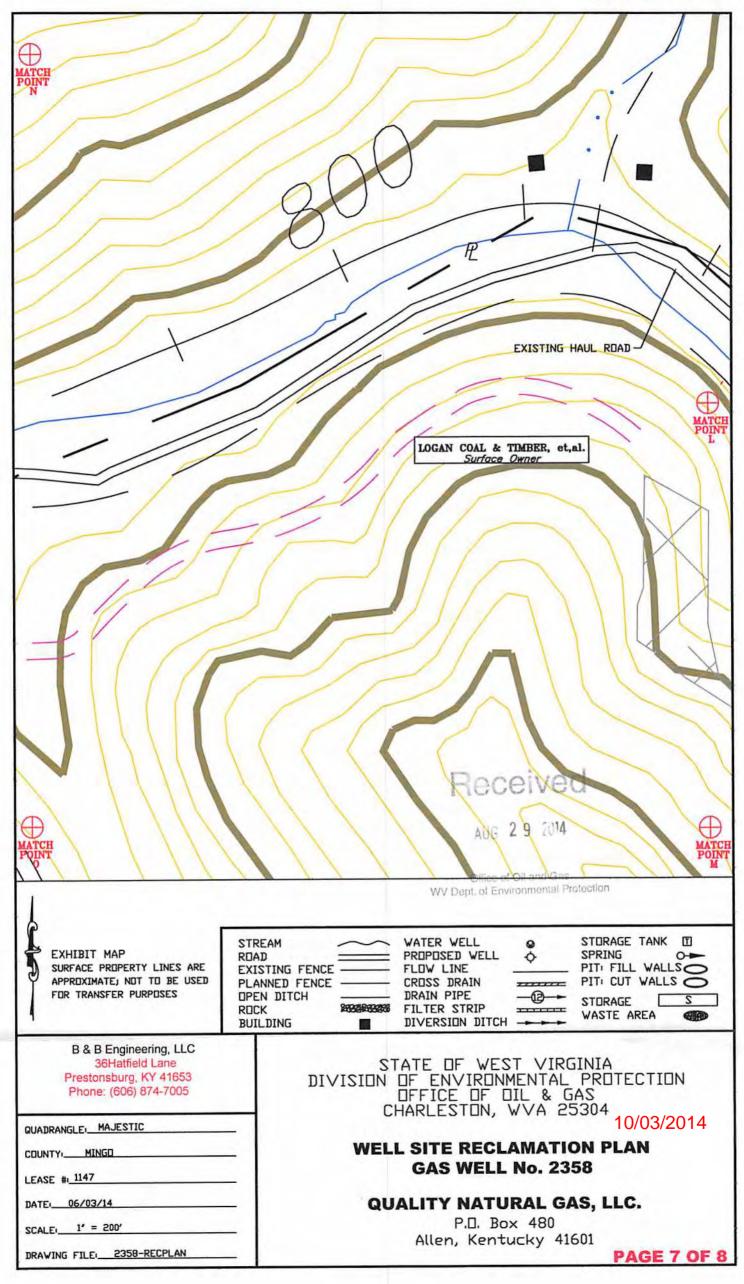


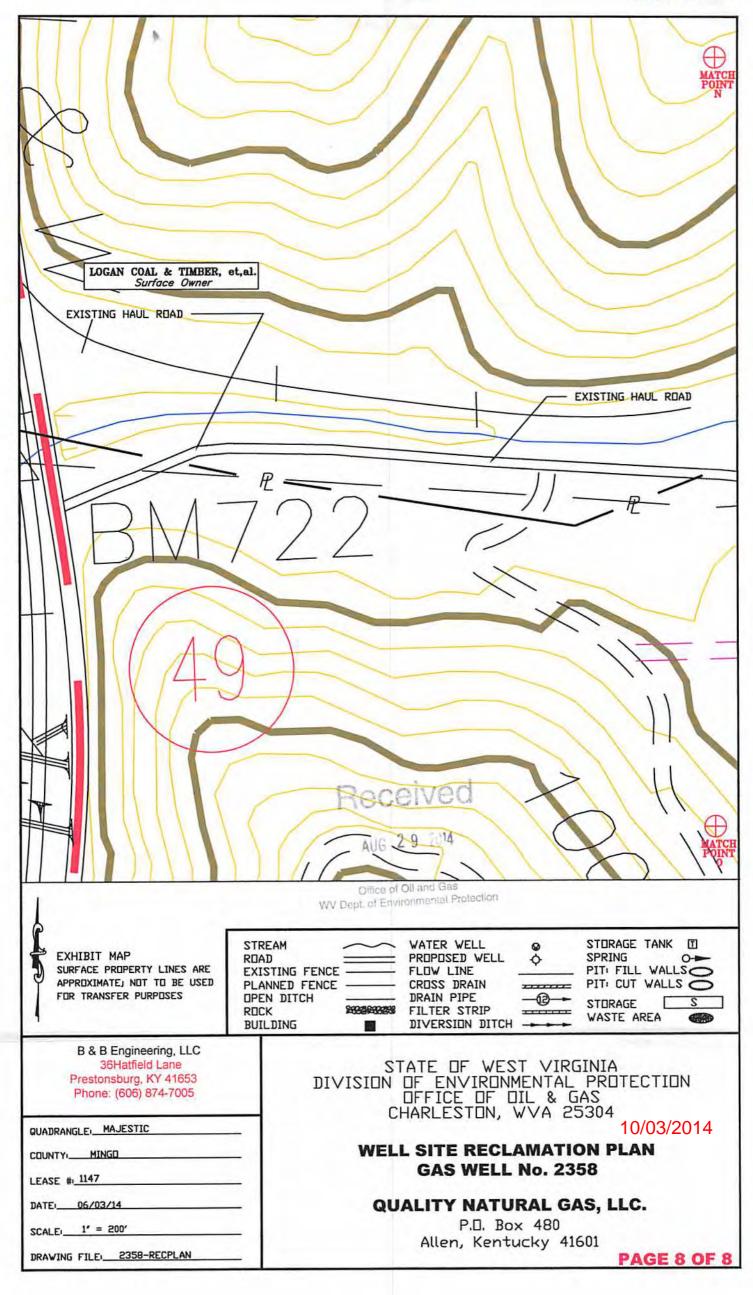


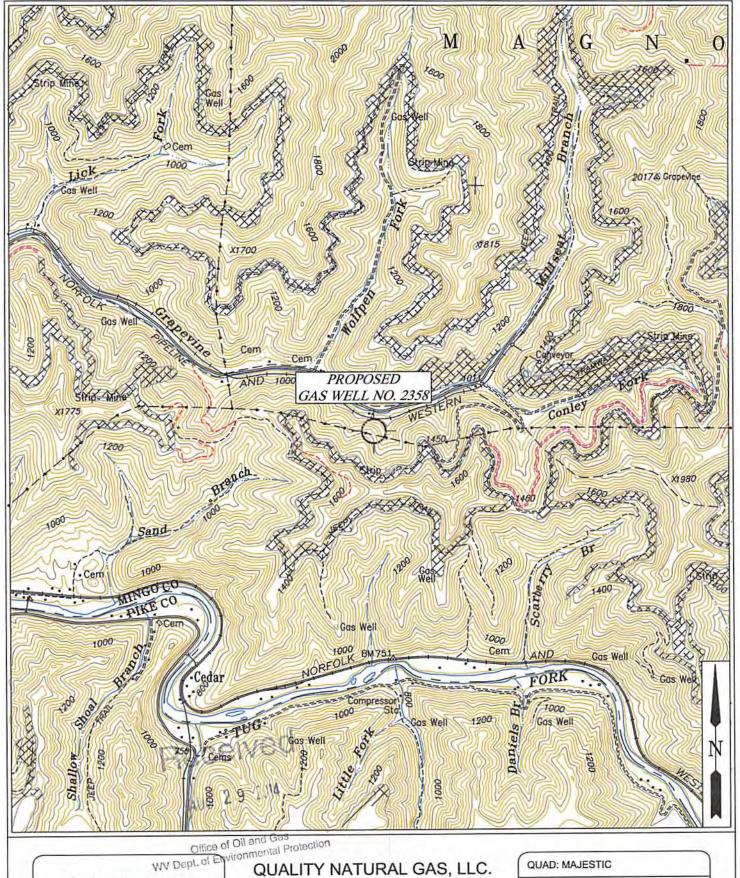












B & B Engineering, LLC

36 Hatfield Lane Prestonsburg, KY 41653 Phone: (606) 784-7005

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

PROPOSED GAS WELL NO. 2358

QUAD: MAJESTIC

SCALE: 1" = 2000"

DATE: 06/03/2014

FILE NAME: 2358-VicMap.DWG

10/03/2014

5902251

CAM of Kentucky Real Estate, LLC.

P.O. Box 1169 Pikeville, KY 41502

June 03, 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 2358 WV State Plane Coordinates N 209,156
E 1,683,940

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.

By: Ronald S. Hull
its: 6m-ENG

Date: 8/19/14

Received

AUG 29 214

CAM Mining, LLC.

P.O. Box 1169 Pikeville, KY 41502

June 03, 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 2358 WV State Plane Coordinates N 209,156
E 1,683,940

Dear Mr. Martin:

The undersigned operator 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.

By: Ronald J. Hull

its: 6m-ENG

Date: 8/19/14

Received

AUG 2 9 2014

590 2251

Dingess-Rum Properties, Inc.

723 Kanawha Boulevard, East Union Building, Fourteenth Floor Charleston, West Virginia 25301

June 03, 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 2358 WV State Plane Coordinates N 209,156
E 1,683,940

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.

By: Torrey trans

By: Tuny was

Date: 7/2/19

Received

AUG 2 9 2014

Office of Oil and Gas WV Dept. of Environmental Protection

C.W. Campbell Company

848 Fourth Avenue, Suite 301 Huntington, West Virginia 25701

June 03, 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 2358 WV State Plane Coordinates N 209,156
E 1,683,940

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By: Say O. X

Date: _

MA Dehr at 11 Northware Montepor

Logan Coal & Timber Corporation

37 North Valley Road, Suite 2-A, Paoli, Pennsylvania 19301

June 03, 2014

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

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Gas Well Application
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Received

AIIG 29 2014

Cifice of Oil and Gas
WV Dept. of Environmental Protection

By: Losen Coct & Jim ber Corp By: Redman & Thompung

Date: 2014-07-12

its President

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:

or		
	an interest in the surface of a tract of land described as follow	S:
	Acres_ +/- 401	4
	Watershed Grapevine Creek of the Tug Fork River	
	District Magnolia County Mingo	
	Public road access State Route 49	
	Generally used farm name Logan Coal & Timber Corporation, et,al.	
2) eferen	The undersigned realize (s) that a production or gathering pipeline ced surface tract in connection with the operation of the well identified	e is to be installed across the below:
	Well Operator Quality Natural Gas, LLC	
	Address P.O. Box 480	
	The state of the s	
	Allen, KY 41601	
	Allen, KY 41601 Telephone (606) 874-8041	
2)	Telephone (606) 874-8041 Well: API Permit No. 47; (Pendir	ng)
urface	Allen, KY 41601 Telephone (606) 874-8041 Well: API Permit No. 47	ng) prescribe that as far as the
	Telephone 606) 874-8041 Well: API Permit No. 47- ; (Pendir For sufficient and satisfactory reasons, the undersigned hereby interest owned by the undersigned is/are concerned, the production ed as follows:	ng) prescribe that as far as the
surface	Telephone(606) 874-8041 Well: API Permit No. 47	ng) prescribe that as far as the
surface	Telephone(606) 874-8041 Well: API Permit No. 47	ng) prescribe that as far as the or gathering pipeline need no
surface	Telephone(606) 874-8041 Well: API Permit No. 47	ng) prescribe that as far as the or gathering pipeline need no
surface	Telephone(606) 874-8041 Well: API Permit No. 47	ng) prescribe that as far as the or gathering pipeline need no
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surface be buri	Telephone(606) 874-8041 Well: API Permit No. 47	prescribe that as far as the or gathering pipeline need no
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(For expartne	Telephone(606) 874-8041 Well: API Permit No. 47	prescribe that as far as the or gathering pipeline need no

WV Dept. al Environ 10/03/2014

FORM WW-75 (REV. 9/94)

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or					
	an interest in the	surface of a tract	of land described as	follows:	
Acres	+/- 401				
Waters		Creek of the Tug F	ork River		
	t Magnolia			-	
	/ Mingo				
Public	road access	State Route 49			
Genera	ally used farm na	ime Logan Coal &	Timber Corporation,	et,al.	
enced sur	face tract in conr	nection with the op	eration of the well ide	entified below:	pe installed across the
Well O	perator Quality	Natural Gas, LLC			
P	Address P.O.	Box 480			
T-	Inches (COC)	271_2011			
1e	lephone (606)	074-0041	- /	D. C. A	
Well: For su ace interes	API Permit No. ufficient and sat st owned by the u	47isfactory reasons.	; (, the undersigned h	ereby prescri	be that as far as th ering pipeline need no
Well: For su ace interest uried as fo	API Permit No. ufficient and sat st owned by the ublows:	47isfactory reasons.	, the undersigned h concerned, the prod	ereby prescri	be that as far as th ering pipeline need n o
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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	s:
Acres +/- 401	
Watershed Grapevine Creek of the Tug Fork River	
District Magnolia	
County Mingo	
Public road access State Route 49	
Generally used farm name Logan Coal & Timber Corporation, et,al.	
(2) The undersigned realize (s) that a production or gathering pipeline referenced surface tract in connection with the operation of the well identified	e is to be installed across the I below:
Well Operator Quality Natural Gas, LLC	
Address P.O. Box 480	-
Address P.O. Box 480 Allen, KY 41601	
Telephone (606) 874-8041	
Telephone (606) 874-8041 Well: API Permit No. 47; (Pendir	ng)
(3) For sufficient and satisfactory reasons, the undersigned hereby surface interest owned by the undersigned is/are concerned, the production be buried as follows:	prescribe that as far as the or gathering pipeline need not
X On any part of the surface tract identified above:	
or	
On the following parts of the surface tract identified above:	
FromTo	
From To	
From To	
(For execution by corporation, (For execution by natural persons)	
partnership, etc.)	
	Received
Name: Logan Coal & Timber Corporation	_
By: Prolym & Thomps Date: 2014-07-18 Signature	AUG 2 9 2014
Its: President	Office of Oil and Gas

WV Dept. of Environmental Protection