

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 23, 2014

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-5902254, 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: 2363

Farm Name: LOGAN COAL & TIMBER CORP.

API Well Number: 47-5902254

Permit Type: Vertical Well Date Issued: 09/23/2014

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

Depths Set

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

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)Well Operator	Quality	y Natural C	Gas, LLC	4944	77013	059	Magnolia	Mate
Tree Sections				Oper	ator ID	County	District	Quadra
Operators Well	Number 2:	363	5.	3)	E	evation:	893.8'	-
) Well Type: (a) ((b) If	Oilo Gas: De	r Gas <u>X</u> Produc eep	tion / U ShallowX	nderground Store	age			
Proposed Targo Proposed Total Approximate fro Approximate sa	Depth:	+/- 4362' strata depth	is:C	ation at Propo coal 426'	opose sed To	d Targe otal Dep	t Depth: <u>424</u> oth: <u>Harrell</u>	<u>2'</u> (Genese -
1) Does land cor	void depths	s, (coal, kar seams tribu	st, other): None	? <u>No</u>	id is end	ountered	see WW-2B	Attachme
2)Describe prop	osed well w	vork in deta	il <u>Drill and comple</u>	ate.				
3)		<u>C/</u>	ASING AND TU	BING PROGR				
3)	SPECIFIC	<u>C/</u>	ASING AND TU	vine second	INTE	RVALS	COTAL ACT	
3)		<u>C/</u>	ASING AND TU	BING PROGR	INTE	RVALS	CEM Fill -up (Cu	
3) TYPE S	SPECIFIC	CATIONS	ASING AND TU	BING PROGR FOOTAGE	Left in	7.74	Section 181	ı. Ft.)
3) TYPE S Conductor	SPECIFIC Size	CATIONS Grade	ASING AND TU	BING PROGR FOOTAGE For Drilling	Left in	n Well	Fill -up (Cu	ı. Ft.)
3) TYPE S Conductor Fresh Water	Size 13 3/8" 9 5/8"	CATIONS Grade L.S. L.S.	Weight per ft 37' 32'	BING PROGR FOOTAGE For Drilling	Left in	n Well 2'	Fill -up (Cu	i. Ft.)
3) TYPE S Conductor Fresh Water	Size 13 3/8"	CATIONS Grade L.S.	Weight per ft	BING PROGR FOOTAGE For Drilling 42 '	Left in	n Well 2 ' 58'	Fill -up (Cu	ı. Ft.)
3) TYPE S Conductor Fresh Water Coal Intermediate	SPECIFIC Size 13 3/8" 9 5/8"	Grade L.S. L.S.	Weight per ft 37' 32' 32'	BING PROGR FOOTAGE For Drilling 42 ' 458'	Left in 4 4 4 21	n Well 2 ' 58'	Fill -up (Cu c.r.s. c.r.s.	ı. Ft.)
3) TYPE S Conductor Fresh Water Coal	SPECIFIC Size 13 3/8" 9 5/8" 9 5/8" 7"	Grade L.S. L.S. L.S. L.S.	Weight per ft 37' 32' 32' 17'	BING PROGR FOOTAGE For Drilling 42 ' 458' 458' 2149'	Left in 4 4 4 21	1 Well 2 ' 58' 58' 49'	C.T.S. C.T.S. C.T.S. C.T.S.	ı. Ft.)
3) TYPE S Conductor Fresh Water Coal Intermediate Production	SPECIFIC Size 13 3/8" 9 5/8" 9 5/8" 7"	Grade L.S. L.S. L.S. L.S.	Weight per ft 37' 32' 32' 17'	BING PROGR FOOTAGE For Drilling 42 ' 458' 458' 2149'	Left in 4 4 4 21	1 Well 2 ' 58' 58' 49'	C.T.S. C.T.S. C.T.S. C.T.S.	ı. Ft.)

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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 ½" bit to 30' ± 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 ¼" bit to fresh water casing point. The 9 %" casing can be set thru 2nd void if encountered and to fresh water casing point

Meceived

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Office of Oil and Gas WV Dept. of Environmental Protection

09/26/2014

						5902254
WW2-A		9.6	1) D	ate:	MAY 16, 2014	
(Revised 6/07)			2) O	perator	's Well Number	2363
			NIA - BUREA	AU OF	No.: 47 - 059 State County	
DEPARTM					, OFFICE OF OIL WORK PERMIT	
Surface Owner (a) Name Address	(s) to be served: SEE ATTCHEMN	T WW2-A1	5) (a) Coal O Name Address	CAM	MINING, LLC. BOX 1169 PIKEVILLE, KY	4 650 °C
(b) Name Address			(b) Coal Own Name Address		Declaration ATTACHMENT WW2-A2	
(c) Name Address			Name Address	\equiv		
6) Inspector Address	Jeremy James P.O. BOX 147 Ona, WV 25545		(c) Coal Less Name Address	CAM	Declaration OF KENTUCKY REAL ES' BOX 1169 PIKEVILLE, KY	
Telephone			NAMED ABOVE TAI		CE THAT: nold the right to extract oil a	nd gas
OR X Included is the I certify that as req plat, and accompar X I have rea under this application I certify u application form ar information, I believ	information required under Chapter bying documents page Personal Service Certified Mail (Publication (North and understand Control on the All attachments, we that the informatic	d by Chapter 22, All 22-6 of the West ges 1 through of the (Affidavit attach Postmarked postalotice of Publication Chapter 22-6 and with that I have person is true, accurate	rticle 6, Section 8(d) Virginia Code I have on the above named led) I receipt attached) attached) 35 CSR 4, and I approximately sonally examined are my inquiry of those and complete.	of the Co e served of parties b gree to t and am fa e individu	de of West Virginia (see pa	opplication, a location of any permit issued in submitted on this ole for obtaining the

LLC / Its: Manager Its: Manager P.O. Box'460 Address Allen, KY 41601 ction Telephone (606) 874-8041

Subscribed and sworn before me this

(day of

My Commission Expires

Notary Public

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

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

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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

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WW-2A Surface Waiver

SURFACE OWNER WAIVER

County	Mingo	Operator	Quality Natural Gas, LLC	
		Operator well number	2363	
	INSTRUCTIONS TO S	URFACE OWNERS NAMED ON PAG	<u>GE WW2-A</u>	

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 filling 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.

<u>Comments must be in writing.</u> 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.

<u>List of Water Testing Laboratories.</u> 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.

	Page Date:	Logan Coal & Tim	THOMPSON JR
Signature	AUG 2 9 114	Its President	
	Categorif Oil and Gas WV Decirious Continued Protection	Oudman E (Signature	Juanzu (2018-07-1) Date 09/26/2014

WW-2A Surface Waiver

	S	URFACE OW	NER W	AIVER		
County	Mingo	Opera	itor		Quality Nat	tural Gas, LLC
		Opera	tor well	number	2	2363
	INSTRUCTIONS TO	SURFACE OV	VNERS N	AMED ON PAG	E WW2-A	
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	l and Gas OR District Oil an vironmental Protection	d Gas Inspector				
(305) 926-0450						
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10) The a	roposed well work fails to proposed well work fails to proposed as a policiant has committed a softhe rules promulgated un	substantial viola	tion of a p	revious permit		
	ant a copy of the permit	as it is issued	or a cop	y of the order	denying the p	ermit, you should
	ater Testing Laboratories to establish water quality pri	ior to and after d	rilling. Co	ntact the Chief		
Application for a V	state that I have read the in Vell Work Permit on Form \ VV2-B, a survey plat, and	NW2-A, and atta	face owne	ers and that I hat consisting of pa	iges 1 through _	including a work
I further s	tate that I have no objection	to the planned	work desc	cribed in these n	naterials, and I h	nave no objection to
	ued on those materials. I BY A NATURAL PERSON	D)		FOR EXECUTION	ON BY A CORP	ORATION, ETC.
	Fac	sived		C.W. Cam	pbell Company	
		ate: - 14	_ Name			_
Signa	ature Au-	29	By Its	San D. Prost Cent	Baldwin	7///
		Communities	rito)	Day)	Delda	1/7/4
				Signature		Date

09/26/2014

WW-2A Surface Waiver

	SU	RFACE OWN	ER WAI	VER		
County	Mingo	Operato			Quality Natura	
		Operato	r well n	umber	236	3
	INSTRUCTIONS TO	SURFACE OWN	ERS NAM	MED ON PAGE W	/W2-A	
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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 25 (306) 926-0450	5304					
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to test your water t	o establish water quality prio	r to and after drill IRY STATEMEN	ing. Con	tact the Chief to c	obtain a copy.	
Application for a W	tate that I have read the inst lell Work Permit on Form W W2-B, a survey plat, and a	tructions to surfactive.	ce owner	s and that I have onsisting of page	s 1 through	including a work
I further st	ate that I have no objection	to the planned wo	ork descr	bed in these mat	erials, and I hav	e no objection to
FOR EXECUTION	ied on those materials. BY A NATURAL PERSON		F	OR EXECUTION	BY A CORPOR	RATION, ETC.
	Reb	shied		Dingess-Rum	Properties, Inc	
	Da	itea 14	Name	Torery	Frans	
Signa	De la companya della companya della companya de la companya della	2-9	Ву			
		Lond Time	Its	Presid	ent	3/1/10
	W/V	- welfar	,	- frank	hay	2/2019
				Signature		Date 09/26/2014

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County	Mingo			
Operator	Quality Natural Gas, LLC	Operator's Well	Number	2363
any objection v	ou wish to make or are rec	ssee named on pa	ge WW2-A. Y Code 22-6-15,	LESSEE ou are hereby notified that 16 or 17, must be filed with ceipt of this application by
601 57 th St. SE Charleston, W	Environmental Protection	WAIVER		
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FOR EXECUTION	N BY A NATURAL PERSON		FOR EXECUTION	BY A CORPORATION, ETC.
			CAM MIN	ING, LLC.
	Date	Name	RONALD	6. HULL
Signa		Ву	Gm-	
		Its	0 -0 "	Hull 8/19/14
			Romald 4.	
			Signature	Date
				Description

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COAL OPERATOR, OWNER, OR LESSEE WAIVER

County	Mingo			
Operator	Quality Natural Gas, LLC	Operator's Well	Number	2363
	INSTRUCTIONS TO CO	OAL OPERATOR,	OWNER, OR LE	SSEE
any objection v	oal operator, owner, or les ou wish to make or are red e Office of Oil and Gas wi	uired to make by	Code 22-6-15, 16	or 17, must be filed with
601 57th St. SE	Environmental Protection			
Charleston, W				
(304) 926-0498	extension 1654	WAIVER		
		Walter		
well location had well location, the to the work pro	lersigned coal operator as examined this proposed he well location has been oposed to be done at this uirements of the West Virgi	well location. If a added to the mine location, provided inia Code and the	mine map exists map. The under d; the well operat governing regulati	which covers the area of rsigned has no objection or has complied with all ions.
FOR EXECUTION	N BY A NATURAL PERSON		FOR EXECUTION BY	A CORPORATION, ETC.
			Cam of Kentu	ucky Real Estate, LLC.
	Date	Name	RONALD G	. HULL
Signa	ture	Ву		
		Its	6m-ENG	Programme and the second secon
			Ronald A. H	full 8/19/14
			Signature	Date
			F	aceived

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COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Operator	Mingo Quality Natural Gas, LLC	Operator's Well	Number	2363	
	INSTRUCTIONS TO CO	OAL OPERATOR	, OWNER, OR	LESSEE	
any objection you	l operator, owner, or les wish to make or are req Office of Oil and Gas wit	uired to make by	Code 22-6-15	, 16 or 17, must be filed	! with
Chief, Office of Oi Department of En 601 57 th St. SE Charleston, WV 2 (304) 926-0499 ex	vironmental Protection 5304				
		WAIVER			
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FOR EXECUTION B	Y A NATURAL PERSON		FOR EXECUTIO	ON BY A CORPORATION, E	ilG.
			Logan C	oal & Timber Corporation	
Signature	Date	Name By Its	Rodman Presid Unduran Signature		<u> </u>
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COAL OPERATOR, OWNER, OR LESSEE WAIVER

County	Mingo			
Operator	Quality Natural Gas, LLC	Operator's Well N	Number	2363
				21222
	INSTRUCTIONS TO CO	DAL OPERATOR,	OWNER, OR L	ESSEE
any objection vo	u wish to make or are red	uired to make by C	Code 22-6-15, 1	ou are hereby notified that 6 or 17, must be filed with ceipt of this application by
Chief, Office of O Department of E 601 57 th St. SE Charleston, WV (304) 926-0499	Environmental Protection 25304			
(504) 520-0450	CATORION 1991	WAIVER		
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FOR EXECUTION	BY A NATURAL PERSON	F	FOR EXECUTION	BY A CORPORATION, ETC.
			C.W. Cam	pbell Company
	Date	Name		
Signatu	717171	By Its	Gory D. B. Prolitent	leni 7/7/2014
			Signature	Date
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COAL OPERATOR, OWNER, OR LESSEE WAIVER

County	Mingo		
Operator	Quality Natural Gas, LLC	Operator's Well Number	2363
	INSTRUCTIONS TO CO	OAL OPERATOR, OWNER	R, OR LESSEE
any objection you	wish to make or are rec	uired to make by Code 22-	2-A. You are hereby notified that -6-15, 16 or 17, must be filed with the receipt of this application by
601 57 th St. SE Charleston, WV 2	nvironmental Protection 25304		
(304) 926-0499 e	extension 1654	WAIVER	
well location, the	well location has been osed to be done at this	added to the mine map. T	ap exists which covers the area of the undersigned has no objection all operator has complied with all g regulations.
FOR EXECUTION E	BY A NATURAL PERSON	FOR EXEC	CUTION BY A CORPORATION, ETC.
		Dir	ngess-Rum Properties, Inc
	Date	Name 7	onney Evans
Signatur	re	The second secon	esident 7/2/14
		Signatur	Date Date

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Form WW-2A-1 (Rev.1/11)

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





09/26/2014

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.

Quality Natural Gas, LLC / BY: Quality Natural Gas Management, LLC / Its: Manager
Tem Kun-
Manager

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 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

By:

General Manager

Consenting Party:

Kinzer Business Realty, Ltd.

By: Kinzer Buiness Realty, LLC

Its: General Partner

Jy.______

General Manager

STATE OF KENTUCKY			
STATE AT LARGE			
certify that Down the dear whose name is signed to the within writing has the	Manager of OUAl	LITY NATURAL	GAS, LLC.
My commission expires 4.24.201	7	_	
Given under my hand this 11 day of 500	tenton, 20	STATE A LAR	ANE LOND
STATE OF KENTUCKY		***************************************	timmum.
I, Large , a Notary Public Hyden, General Manager of Kinzer Business R has this day acknowledged the same before me in	of said County and St ealty, Ltd., whose nat said county.	ate aforesaid, do cer me is signed to the	tify that Doug within writing
My Commission Expires: 7.27.24.7			
Given under my hand this day of Sept		STATE AT ARRIVED	SE, KENTOCHI

WW-2B1	
(5-12)	

Well	No.	2363		

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

Quality Natural Gas, LLC

Address

P.O. Box 460 Allen, KY 41601

Telephone

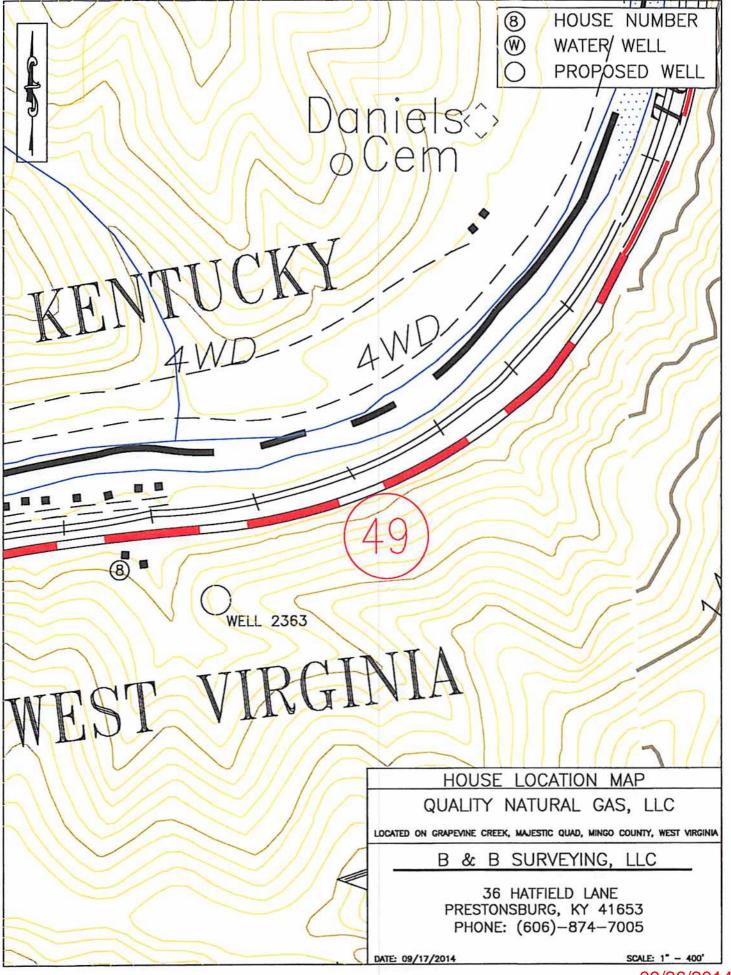
(606) 874-8041

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.

AMUS BLANKEWSHIP HC 37, BOX 195 EDGARTON, WV 25672

WELL #2363 WW-2BA

AMOS BLANKENSHIP
H C 37 BOX 195 EDGARTON, WV 25672



FORM WW-9 Rev. 05/10

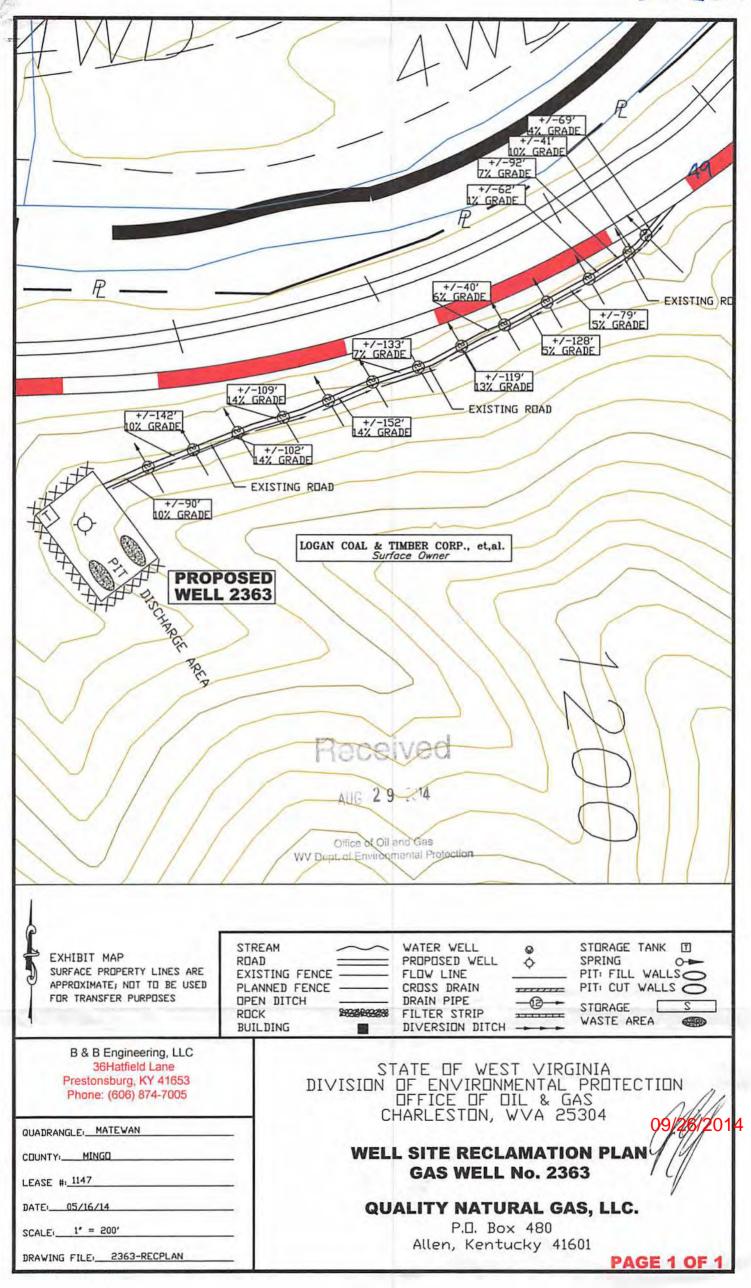
Page	of	
API Num	ber 47 - 059 -	
Operator'	s Well No. 2363	

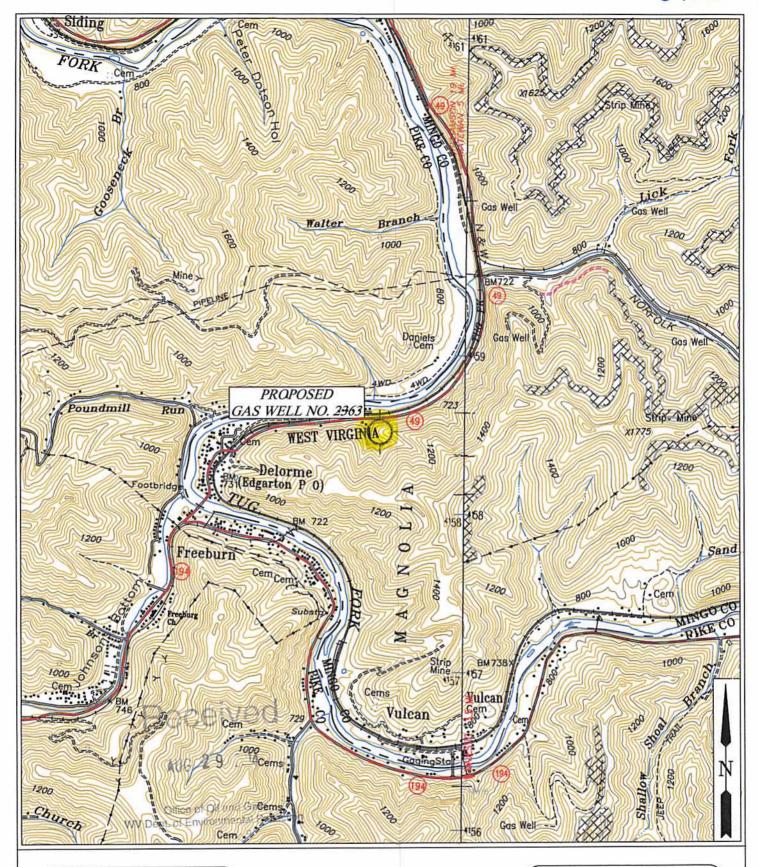
STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Nam	e: Quality Natura	l Gas, LLC	OP Code:	494477013	
Watershed:	Tug Fork River	Quadrang	gle: Matewan		
Elevation	893.8	County: Mingo District: Mag	gnolia		_
Description of	fanticipated Pit Waste:	Water encountered while drilling and va	rious forma	tion cuttings	
Do you antici	pate using more than	5,000 bbls of water to complete the proposed v	well work?	YesNo	_X
Will a synthet	ic liner be used in the p	pit? Yes, if impervious material is unavaile	able on site	If so what mil?:	10-20 MIL.
Proposed Dis	posal Method For Treat				
	<u>x</u>	Land Application Underground Injection (UIC Permit Number_ Reuse (at API Number_ Off Site Disposal (Supply form WW-9 for dis			
		Other (Explain_		· ·	
-If c	um anticipated for this bil based what type? Sy be used? No Additive	well? Air, Freshwater, oil based, etcAir			
-If I	eft in pit and plan to so	re in pit, landfill, removed offsite, etc. Leave blidify what medium will be used? Cement, lime, permit number?	sawdust	Lime	
31, 1999, by enforceable b action. I ce all attachmen information i of fine or imp Company Off	the Office of Oil and Gry law. Violations of a striffy under penalty of I ts thereto and that, bas strue, accurate, and coorisonment. Sicial Signature	and agree to the terms and conditions of the GE is of the West Virginia Division of Environment any term or condition of the general permit and law that I have personally examined and am familised on my inquiry of those individuals immediate implete. I am aware that there are significant permit and the complete of the condition of the general permit and the condition of the general permit and the general permit and the general permit and the condition of the GE individuals and the general permit and	tal Protection. I/or other app. Iiliar with the intelligence for sub- alties for sub-	I understand tha licable law or reg information submited for obtaining the mitting false information	the provisions of the permit are culation can lead to enforcement tted on this application form and information, I believe that the mation, including the possibility
Subscribed a	nd sworn before me thi	s_21 day of Msy	, 20Notary F		CO((//5/16)
My Commiss	sion Expires	1.24. 2017		AUG	29 14

Operator's Well No. _____2363

		LEGEND			
Property Boundary		Diversion 4			Ш
Rond = = = =	======	Spring (\rightarrow		
Existing Fence — X		Wet Spot	み		
Planned Fence / .		Drain Pipe v	with size in inches _	®	-
Stream		- Waterway	\longleftrightarrow	\rightarrow \leftarrow	
Open Ditch ——····		Cross Drain			T
Rock ESERGE	-	Artificial Fi	Iter Strip XXXX	· · · · · · · · · · · · · · · · · · ·	Œ
80000		Pit: cut wal	ls		
North N		Pit: compac	ated fill walls	mer	
Buildings Water wells	•	_	and Application of Pit \	Vaste.	
	•	•=•=			
Drill site					
Proposed Revegetation Treatme	ent: Acres Disturbed2	Prevegeta	tion pH <u>7.0</u>		
Lime3	Tons/acre or to corre	ect to pH 6.5			
Fertilizer (10-20-20 c	or equivalent)1/3 T	on lbs/acre (50	00 lbs minimum)		
Mulch2	Tons/acre or hy	droseed			
		Seed Mixtures			
Area	I	Seed Mixtures	Area II		
Area Seed Type	I lbs/acre	Seed Mixtures	Area II Seed Type	lbs/acre	
Seed Type	lbs/acre	Seed Mixtures		lbs/acre 15	
- · · ·	lbs/acre 40 10	Seed Mixtures	Seed Type	lbs/acre	
Seed Type KY-31 Alsike Clover Annual Rye	10 5	Seed Mixtures	Seed Type Orchard Grass	lbs/acre 15	
Seed Type KY-31 Alsike Clover	lbs/acre 40 10	Seed Mixtures	Seed Type Orchard Grass	lbs/acre 15	
Seed Type KY-31 Alsike Clover Annual Rye	10 5	Seed Mixtures	Seed Type Orchard Grass	lbs/acre 15	
Seed Type KY-31 Alsike Clover Annual Rye Redtop	1bs/acre 40 10 5 2		Seed Type Orchard Grass	lbs/acre 15	
Seed Type KY-31 Alsike Clover Annual Rye Redtop Attach: Drawing(s) of road, location, p	lbs/acre 40 10 5 2 Dit and proposed area for lan		Seed Type Orchard Grass	lbs/acre 15	
Seed Type KY-31 Alsike Clover Annual Rye Redtop	lbs/acre 40 10 5 2 Dit and proposed area for lan	d application.	Seed Type Orchard Grass Alsike Clover	lbs/acre 15	
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Seed Type KY-31 Alsike Clover Annual Rye Redtop Attach: Drawing(s) of road, location, p Photocopied section of involve Plan Approved by:	lbs/acre 40 10 5 2 Dit and proposed area for lan	d application.	Seed Type Orchard Grass Alsike Clover	lbs/acre 15	
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Seed Type KY-31 Alsike Clover Annual Rye Redtop Attach: Drawing(s) of road, location, p Photocopied section of involve Plan Approved by: Comments:	bs/acre 40 10 5 2 Dit and proposed area for landed 7.5' topographic sheet.	d application.	Seed Type Orchard Grass Alsike Clover	lbs/acre 15	
Seed Type KY-31 Alsike Clover Annual Rye Redtop Attach: Drawing(s) of road, location, p Photocopied section of involve Plan Approved by:	bs/acre 40 10 5 2 Dit and proposed area for landed 7.5' topographic sheet.	d application.	Seed Type Orchard Grass Alsike Clover	lbs/acre 15	





B & B Engineering, LLC

36 Hatfield Lane Prestonsburg, KY 41653 Phone: (606) 784-7005 QUALITY NATURAL GAS, LLC.
LOCATION MAP

PROPOSED GAS WELL NO. 2363

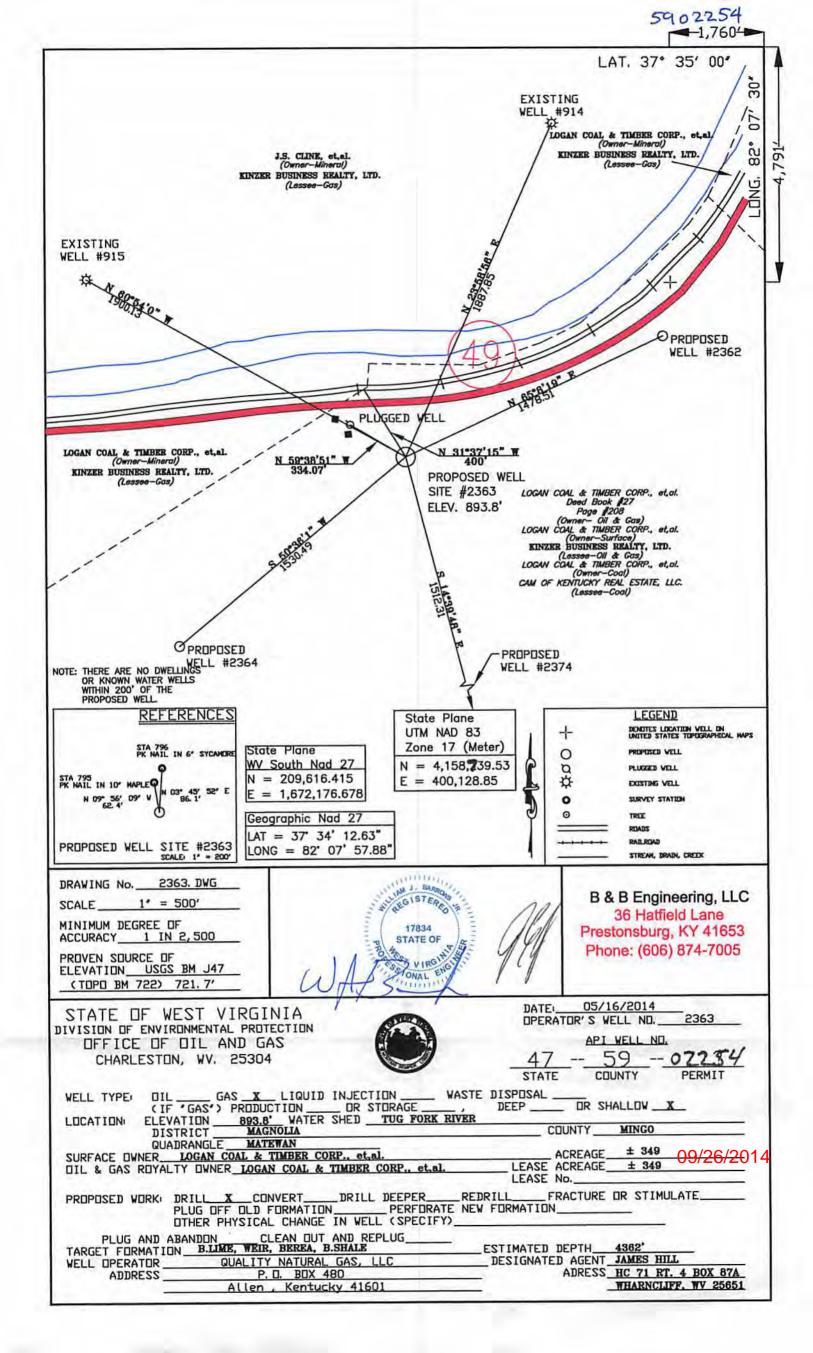
QUAD: MATEWAN

SCALE: 1" = 2000'

DATE: 05/16/2014

FILE NAME: 2363-VicMap.DWG

09/26/2014



CAM of Kentucky Real Estate, LLC.

P.O. Box 1169 Pikeville, KY 41502

May 16, 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 2362 WV State Plane Coordinates N 209,616 E 1,672,177

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 29 114

Office of Oil and Gray WV Dept. at Environmental Protection

CAM Mining, LLC.

P.O. Box 1169 Pikeville, KY 41502

May 16, 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 2362 WV State Plane Coordinates N 209,616
E 1,672,177

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: GM - ENG

Date: 8/19/14

Received

AUG 2 9 114

Logan Coal & Timber Corporation

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

May 16, 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 2362 WV State Plane Coordinates N 209,616
E 1,672,177

Dear Mr. Martin:

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By: Rodman E THOMPSON JR

By. Pedua E Thomps

Date: 2014-07-15

Received

AUG 29 114

C.W. Campbell Company

848 Fourth Avenue, Suite 301 Huntington, West Virginia 25701

May 16, 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 2362 WV State Plane Coordinates N 209,616
E 1,672,177

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It's

Date:

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And Guidi for the december of the man

5902254

Dingess-Rum Properties, Inc.

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

May 16, 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 2362 WV State Plane Coordinates N 209,616
E 1,672,177

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y: Juny

By: President

Date: _

Received

AUG 29 14

Anguard Color of the

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+/- 349
Watershed 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 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)
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:
Sill any part of the salitate diagrams above.
or
On the following parts of the surface tract identified above:
From To
From To
FromTo
(For execution by corporation, partnership, etc.) (For execution by natural persons)
Name: Logan Coal & Timber Corporation
By: Rodin & Themps / Date: 2014-07-13
Its: President Signature

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:

	X_ the surface	
or		
	is the section of a treat of land deposited as follows:	
	an interest in the surface of a tract of land described as follows:	
	Acres +/- 349	
	Watershed Tug Fork River	
	District Magnolia	
	County Mingo	
	Public road access State Route 49	
	Generally used farm name Logan Coal & Timber Corporation, et,al.	
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	Allen, KY 41601	70
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orface e buri	Telephone(606) 874-8041 Well: API Permit No. 47	athering pipeline need not

PRESCRIPTION NOT TO BURY PRODUCTION OR GATHERING LINES

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X_ the sames	
or	
an interest in the surface of	a tract of land described as follows:
Acres +/- 349	
Watershed Tug Fork River	
District Magnolia	
County Mingo	
Public road access State Ro	ute 49
Generally used farm name Logan (Coal & Timber Corporation, et,al.
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Well Operator Quality Natural Ga	s, LLC
Address P.O. Box 480	
Allen, KY 41601	
Telephone (606) 874-8041	
	· (Danding)
	(Pending)
For sufficient and satisfactory re urface interest owned by the undersigned e buried as follows:	asons, the undersigned hereby prescribe that as far as is/are concerned, the production or gathering pipeline need
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For execution by corporation, (For execution by corporation, etc.)	reasons, the undersigned hereby prescribe that as far as is/are concerned, the production or gathering pipeline need the tract identified above: To To To To To Execution by natural persons)