

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: 47-5902253, 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: 2362

Farm Name: LOGAN COAL & TIMBER CORP.

API Well Number: 47-5902253 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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

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 with 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. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

Form: WW - 2B

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

)Well Operator	Quality	Natural C	Gas, LLC	4944	77013	059	Magnolia	Matew
)vveii Operator	Quant	, matara, c	540, 220	200	rator ID	County	District	Quadrar
) Operators Well	Number 23	362		3)) E	evation:	797'	
) Well Type: (a) ((b) If	Oilo Gas:	r Gas <u>X</u> Product	tion / U ShallowX	nderground Stor	age	_		
) Proposed Total) Approximate fre) Approximate sa) Approximate co	Depth:esh water salt water de	+/- 4220' trata depth pths:	s:C	ation at Propo Coal 330' PECTED	sed To	otal Dep	th: <u>Harrell (</u>	Genese
1) Does land cor	ntain coal s	eams tribu	tary to active mine					
			il Drill and comple	ete.				
			il <u>Drill and comple</u>	ete.				
			il <u>Drill and comple</u>	ete.				
2)Describe prop		ork in deta						
2)Describe proposition (2)	osed well w	ork in deta	ASING AND TU	BING PROGE		RVALS	CEM	ENT
2)Describe proposition (2)	SPECIFIC	ork in deta	ASING AND TU		INTE	RVALS	CEMI Fill -up (Cu	100
2)Describe proposition of the second	osed well w	ork in deta	ASING AND TU	BING PROGE	Left in		4.50 -0 7(3)	. Ft.)
3) TYPE S Conductor	SPECIFIC Size	CATIONS Grade	ASING AND TU	BING PROGE FOOTAGE For Drilling	Left in	n Well	Fill -up (Cu	. Ft.)
2)Describe proposition (2)	SPECIFIC Size 13 3/8" 9 5/8"	CATIONS Grade L.s. L.s.	Weight per ft 37' 32'	BING PROGE FOOTAGE For Drilling	Left ii	n Well 2'	Fill -up (Cu	. Ft.)
3) TYPE S Conductor Fresh Water	SPECIFIC Size 13 3/8"	CA CATIONS Grade L.s.	Weight per ft	BING PROGE FOOTAGE For Drilling 42 '	Left in 4	n Well 2'	Fill -up (Cu c.r.s. c.r.s.	. Ft.)
2)Describe proposed in the pro	SPECIFIC Size 13 3/8" 9 5/8"	CATIONS Grade L.S. L.S.	Weight per ft 37' 32'	BING PROGE FOOTAGE For Drilling 42 ' 360'	Left in 4 3 20	n Well 2' 60'	C.T.S. C.T.S.	. Ft.)
3) TYPE S Conductor Fresh Water Coal Intermediate	SPECIFIC Size 13 3/8" 9 5/8" 9 5/8" 7"	CATIONS Grade L.S. L.S. L.S.	Weight per ft 37' 32' 32' 17'	BING PROGE FOOTAGE For Drilling 42 ' 360' 2050'	Left in 4 3 20	n Well 2' 60' 60'	C.T.S. C.T.S. C.T.S. C.T.S.	. 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

Roceived

AUG 29 114

Office of Oil and Gas WV Dept. of Environment J Protection

WW2-A	
(Revised	6/07)

1) Date:

MAY 12, 2014

2) Operator's Well Number

2362

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

	ner(s) to be served:	5) (a) Coal C	
(a) Name	SEE ATTCHEMNT WW2-A1	Name Address	P.O. BOX 1169 PIKEVILLE, KY 41502
Address	-	Address	P.O. BOX 1109 FIREVILLE, R1 41302
(b) Name		(b) Coal Ow	ner(s) with Declaration
Address	-	Name	SEE ATTACHMENT WW2-A2
7 1001000		Address	
(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.
	Ona, WV 25545	Address	P.O. BOX 1169 PIKEVILLE, KY 41502
Telephone	(304) 951-2596		
			VE NOTICE THAT
Included in t	TO THE PERSONS	NAMED ABOVE TA	y which I hold the right to extract oil and gas
	he lease of leases of other continuing of	onliact of contracts b	y which I field the right to extract on and gas
OR X Included is t	the information required by Chanter 22 A	Article 6 Section 8(d)	of the Code of West Virginia (see page 2)
plat, and accomp	panying documents pages 1 through Personal Service (Affidavit attact X Certified Mail (Postmarked post	on the above named ched)	e served copies of this notice and application, a location diparties by:
-	Publication (Notice of Publicatio		
I have r			agree to the terms and conditions of any permit issued
under this applic		1 33 CSK 4, and 1 8	agree to the terms and conditions of any permit issued
I certify application form information, I bel	under penalty of law that I have pe and all attachments, and that based of lieve that the information is true, accurate	on my inquiry of those and complete.	and am familiar with the information submitted on this se individuals immediately responsible for obtaining the false information, including the possibility of fine and
imprisonment.			
	Well Operator By: Its: Address	Quality Natura LLC / Its: Mana	I Gas, LLC / By: Quality Natural Gas Management,
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1.1	n 9 lts:	Manager	13300
	Address	P.O. Box 460	
\$	AU Cal Protoco	Allen, KY 4160	The second second
	Address Telephone	(606) 874-8041	
Subscribed and	curorn hofora mathle	of may	2014
Jupscribed and	DET	20	Notary Public
	June 9	teca .	
My Commission	Expires	17	

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.gpv

WW2-A1 SURFACE OWNERS

Logan Coal & Timber Corporation 77 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 29

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 W Huntington, West Virginia 25701

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

Received

10/03/2014

WW-2A Surface Waiver

VVVV ZX Ourid	SUR	FACE OWNER WAIVER	
County	Mingo	Operator	Quality Natural Gas, LLC
		Operator well number	2362
	INSTRUCTIONS TO S	URFACE OWNERS NAMED ON PA	GE WW2-A
If the surface tract is appeared on the Shibe the only owner was permits are valid for	s owned by more than three eriff's tax ticket on the land of who will actually receive the 24 months. If you do not o tely if you know who it is. Als	e persons, then these materials were or because you actually occupy the s ese materials.) See Chapter 22 of	
	and Gas OR District Oil and Conmental Protection	Gas Inspector	AUG 29 (114
Charleston, WV 25: (304) 926-0450 Time Limits and m operator files his Ap be filed in person or be sure of the date handling. If you hav the planned work de Comments must to operator's name and the application. You The Chief h 1) The pro 2) The soii 3) Damage 4) The pro 5) The approved wan request a copy from List of Wat to test your water to I hereby sta Application for a We order on Form WV described therein. I further sta a permit being issue	ethods for filing comments oplication. You have FIFTEE received in the mail by the endered in the mail by the endered in these materials, the second in these materials, the in writing. Your comments was the power to deny or conceived well number and the approximate and the power to deny or conceived well work will constitute the would occur to publicly own posed well work fails to proteive would occur to publicly own posed well work fails to proteive the rules promulgated under the rules promulgated under the rules promulgated under the rules promulgated under the chief. The resting Laboratories. The establish water quality prior VOLUNTAR attemption to the power to the plant of the permit on the promulgated under the that I have no objection to the don those materials. BY A NATURAL PERSON	Chief's office by the time stated above aster to ensure adequate delivery till operator and you have signed a "venen the permit may be issued at any tents must include your name, addressimate location of the proposed well such as sketches, maps or photographition a well work permit based on conte a hazard to the safety of persons of plan is not adequate or effective; ned lands or resources; est fresh water sources or supplies; ostantial violation of a previous permit of the context is issued or a copy of the order. The Office maintains a list of water to and after drilling. Contact the Chiefty STATEMENT OF NO OBJECTION uctions to surface owners and that I was a consisting of the planned work described in these of the planned work described in these planned work described in the planned work describe	ess and telephone number, the well site including district and county from phs to support your comments. mments on the following grounds: ait or a substantial violation of one or or seek review of the violation". ber denying the permit, you should esting laboratories which you can hire of to obtain a copy.
		Its <u>Presed</u> <u>OLdmon E</u> Signature	Date

WW-2A Surface Waiver

		SURFACE OV	WNER W	AIVER		
County	Mingo	Oper	ator		Quality Nat	ural Gas, LLC
-		Oper	ator well	number	2	362
If the surface tract i	erator named on page s owned by more that	n three persons, t	g for a perr hen these	nit from the State	e to do oil or ga erved on you b	ecause your name
appeared on the Sh be the only owner of permits are valid for	eriffs tax ticket on the who will actually receing 24 months. If you do tely if you know who it	land or because ive these materia o not own any inte is. Also, please n ARE NOT REQU	you actually ls.) See Corest in the so otify the we IRED TO F	occupy the surfithapter 22 of the surface tract, please the properties of the surface tract, please the properties of the properties of the surface of the properties of the surface of th	ace tract. In eige West Virginia ase forward the e Office of Oil a	ther case, you may Code. Well work ese materials to the
Chief, Office of Oil a	nd Gas OR District Oi	and Gas Inspect	or			
Department of Envir 601 57 th St. SE	onmental Protection					
Charleston, WV 253	304					
(305) 926-0450 Time Limits and m	ethods for filing com	ments. The law	requires the	se materials to b	e served on or	before the date the
operator files his Ap be filed in person or be sure of the date handling. If you hav the planned work de Comments must b operator's name and the application. You The Chief his 6) The pro	plication. You have F received in the mail to be. Check with your possession of the mail to be in writing. Your of well number and the may add other documents the power to deny coposed well work will coposed well work will coposed.	IFTEEN (15) DAY by the Chief's office postmaster to ensist the well operator a rials, then the perrocomments must if approximate location as ske or condition a well constitute a hazard	S after the sure adequand you have int may be include you tion of the petches, map work permito the safet	filing date to file ne stated above. ate delivery time re signed a "volui ssued at any time r name, address proposed well site is or photographs t based on common y of persons.	your comments You may call to go or to arrange intary statement e. go and telephone including district to support you	s. Comments must the Chief's office to a special expedited t of no objection" to the number, the well cited and county from a comments.
	erosion and sediment would occur to public					
9) The pro	posed well work fails to olicant has committed	o protect fresh wa	ter sources	or supplies;	or a substantial	violation of one or
more of	the rules promulgated	under Chapter 22	2, and has f	ailed to abate or	seek review of	the violation".
If you wan	t a copy of the pern	nit as it is issue	d or a cop	y of the order	denying the p	ermit, you should
List of Wat	er Testing Laborator establish water quality	prior to and after	drilling. Co	ntact the Chief to	ng laboratories o obtain a copy.	which you can hire
Application for a We	te that I have read the lil Work Permit on For 1/2-B, a survey plat, a	m WW2-A, and a	urface owne ttachments	ers and that I have consisting of page	ges 1 through _	including a work
described therein. I further state	te that I have no object	tion to the planne	d work desc	cribed in these m	aterials, and I h	nave no objection to
	ed on those materials. BY A NATURAL PERS	ON		FOR EXECUTION	N BY A CORP	ORATION, ETC.
	Re	eceived		C.W. Camp	bell Company	
0'	V62	Date:	Name	PAR	11.	
Signati	ure A	2 9 14	By	President	aldwin	
	190	Han of Ci ann Clas		Day O B	dur	7/7/2014
	-AV\ DSI		dian	Signature		Date 10/03/2014

WW-2A Surface Waiver

	SUR	FACE OWNER WA	IVER	
County	Mingo	Operator		Quality Natural Gas, LLC
		Operator well r	umber	2362
	INSTRUCTIONS TO SE	JRFACE OWNERS NA	MED ON PAGE	WW2-A
If the surface tract appeared on the St be the only owner permits are valid fo	is owned by more than three neriff's tax ticket on the land of who will actually receive the r 24 months. If you do not own ately if you know who it is. Als	persons, then these not because you actually se materials.) See Chair any interest in the so, please notify the well to require to FII	naterials were se occupy the surfa napter 22 of the urface tract, pleas operator and the LE ANY COMME	NT.
	and Gas OR District Oil and G ronmental Protection 304	as Inspector		
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described therein. I further sta a permit being issu		the planned work desc	ribed in these ma	aterials, and I have no objection to
FOR EXECUTION	Recei			m Properties, Inc
	Date:	e: 14 Name	Torrev	Evans
Signa		Ву	PAGATI	2.3
	p == 10 c	Its	Presid	1 7/1/11
	W.A.Ort. < 00,	10 mg/500	Signature	Date 10/03/2014

County	Mingo	Out a walke wile Woll I	Number		2362
Operator	Quality Natural Gas, LLC	Operator's Well I	vuilibei		
	INSTRUCTIONS TO CO	OAL OPERATOR,	OWNER, OR I	ESSEE	
any objection w	oal operator, owner, or les ou wish to make or are req e Office 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, WV	Environmental Protection	WAIVER			
well location ha well location, th to the work pro applicable requ	ersigned coal operator is examined this proposed ne well location has been a oposed to be done at this irements of the West Virgi	well location. If a added to the mine location, provided inia Code and the	mine map exis map. The und d; the well ope governing regul	ts which of dersigned rator has lations.	has no objection
FOR EXECUTION	I BY A NATURAL PERSON		CAM MINI		
			5 ,,,		
	Date	Name By	RONALD	6. HU	
Signat	ture	Its	Gm-	ENG-	
			Ronald H. H.		8/19/14
			Signature		Date
	RO	GEIVED JG 29 114 JHER Of Oil and Gra JHERMION MARKET Protection			

COAL OPERATOR, OWNER, OR LESSEE WAIVER

	Mingo			
Operator	Quality Natural Gas, LLC	Operator's Well N	Number	2362
IP	NSTRUCTIONS TO CO	OAL OPERATOR,	OWNER, OR L	ESSEE
any objection you w	ish to make or are rec	uired to make by C	code 22-6-15, 16	u are hereby notified that 3 or 17, must be filed with eipt of this application by
Chief, Office of Oil and Department of Envi 601 57 th St. SE Charleston, WV 25 (304) 926-0499 ext	ronmental Protection 304			
(001) 020 0 100 0	200000000000000000000000000000000000000	WAIVER		
to the work propos	sed to be done at this nents of the West Virgi	location, provided nia Code and the g	; the well opera poverning regula	ersigned has no objection ator has complied with all tions. BY A CORPORATION, ETC.
			Cam of Ken	tucky Real Estate, LLC.
	Date	Name	RONALD	
Signature	Date	Ву	RONALD	G. HULL
Signature	Date	The state of the s	RONALD GM-EI	G. HULL
Signature	Date	Ву	RONALD	G. HULL

990.00

10/03/2014

County Operator	Mingo Quality Natural Gas, LLC	Operator's Well	Number	2362
	INSTRUCTIONS TO CO	OAL OPERATOR,	OWNER, OR L	ESSEE
any objection vo	u wish to make or are requ	uired to make by	Code 22-6-15, 1	ou are hereby notified that 6 or 17, must be filed with beipt of this application by
Chief, Office of Operatment of E 601 57 th St. SE Charleston, WV (304) 926-0499	nvironmental Protection 25304	WAIVER		
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FOR EXECUTION	BY A NATURAL PERSON	1	FOR EXECUTION I	BY A CORPORATION, ETC.
			Logan Coal	& Timber Corporation
Signatu	Date	Name By its	Oculmon & Pres dit Pulmon E Signature	Lesmont 2014-07-15
			Recoi	V9d
		kvi	Office of Oil and O Port of Englishmental	as 10/03/2014 Protection

County Operator	Mingo Quality Natural Gas, LLC	Operator's Well Numb	ber
	INSTRUCTIONS TO CO	OAL OPERATOR, OW	NER, OR LESSEE
any objection ve	ou wish to make or are rec	uired to make by Code	WW2-A. You are hereby notified that 22-6-15, 16 or 17, must be filed with after the receipt of this application by
601 57 th St. SE Charleston, W\	Environmental Protection		
(001) 020 0100		WAIVER	
well location ha well location, th to the work pro applicable requ	is examined this proposed ne well location has been	well location. If a mine added to the mine map location, provided; the nia Code and the gover	/ lessee/ of the coal under this e map exists which covers the area of o. The undersigned has no objection e well operator has complied with all rning regulations. EXECUTION BY A CORPORATION, ETC. C.W. Campbell Company
			C.W. Gampbell Company
	Date	Name	
Signat	ure AUG 29	By Car Its Pro Sign	D. Baldwn J. Baldwn 7/7/2014 nature Date
	WAN DOWN OF ENVIRON	nd Cons Recent Protection	

County	Mingo				
Operator	Quality Natural Gas, LLC	Operator's W	/ell Number	2362	_
any objection yethe Chief of the the Office. Chief, Office of Department of 601 57 th St. SE Charleston, W	Environmental Protection / 25304	see named on uired to make	page WW2-A. by Code 22-6-15	You are hereby notified th , 16 or 17, must be filed w	vith
(304) 926-0499	extension 1654	WAIVER			
well location ha well location, th to the work pro applicable requ	lersigned coal operator as examined this proposed he well location has been a oposed to be done at this airements of the West Virgi	well location. added to the m location, prov	If a mine map ex nine map. The u ided; the well op the governing reg	ists which covers the area ndersigned has no object erator has complied with	a of tion all
			Dingess-	-Rum Properties, Inc	
-	Date		me Tonne	y Evans	
Signat	ture	By	Presi	dent 7/3/14	
			Signature	Date	
	Race	eived 29:14			
	AUG	29 . 14			
	WV Dept. of En	t का एक Gas vanamental Prot action	i.		

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

Operator's	Well N	lumber
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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

SER 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: Heceived

- · 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

AUG 29 74

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:

Its:

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

General Manager

Consenting Party:

Kinzer Business Realty, Ltd.

By: Kinzer Buiness Realty, LLC

Its: General Partner

ву:____

General Manager

STATE OF KENTUCKY STATE AT LARGE , a Notary Public of said County and State aforesaid, do , 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 11 day of Septemb Given under my hand this STATE AT GREEN KENTON Notary Public 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: Given under my hand this day of Scaling 2014 STATE AL STATE AND STATE A

WW-2B1
(5-12)

Well	No.	2362		
AACII	110,			

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

Quality Natural Gas, LLC

Address

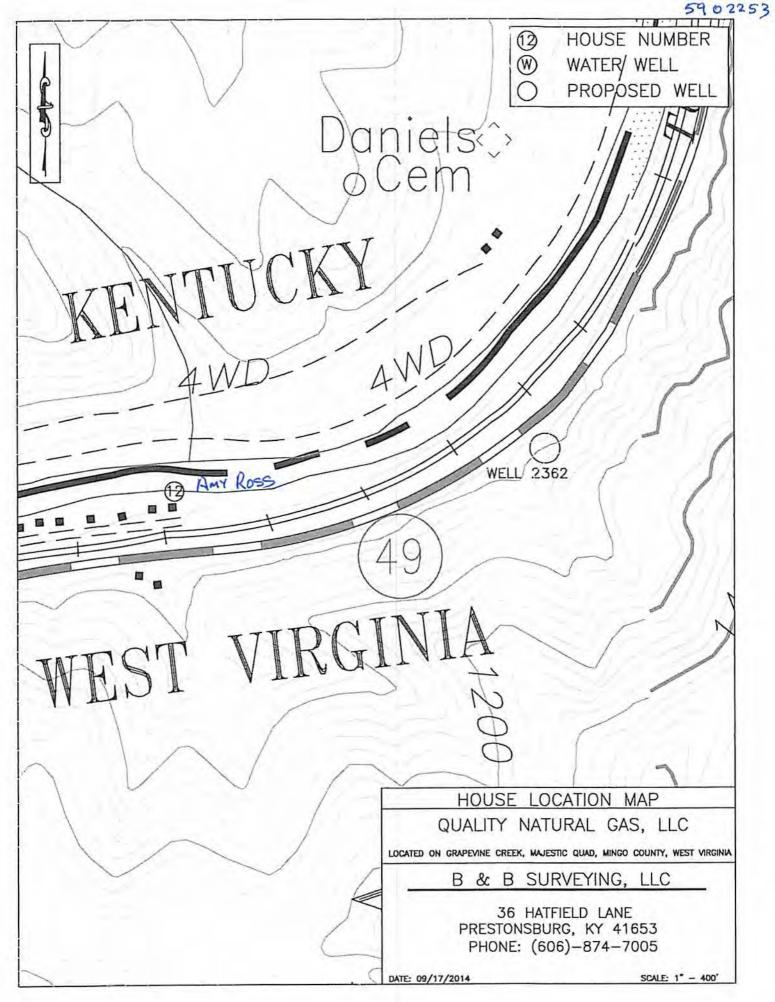
P.O. Box 460 Allen, KY 41601

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.

AMY ROSS . GENERAL DELIVERY EDGARTON, WV 25672



FORM WW-9 Rev. 05/10

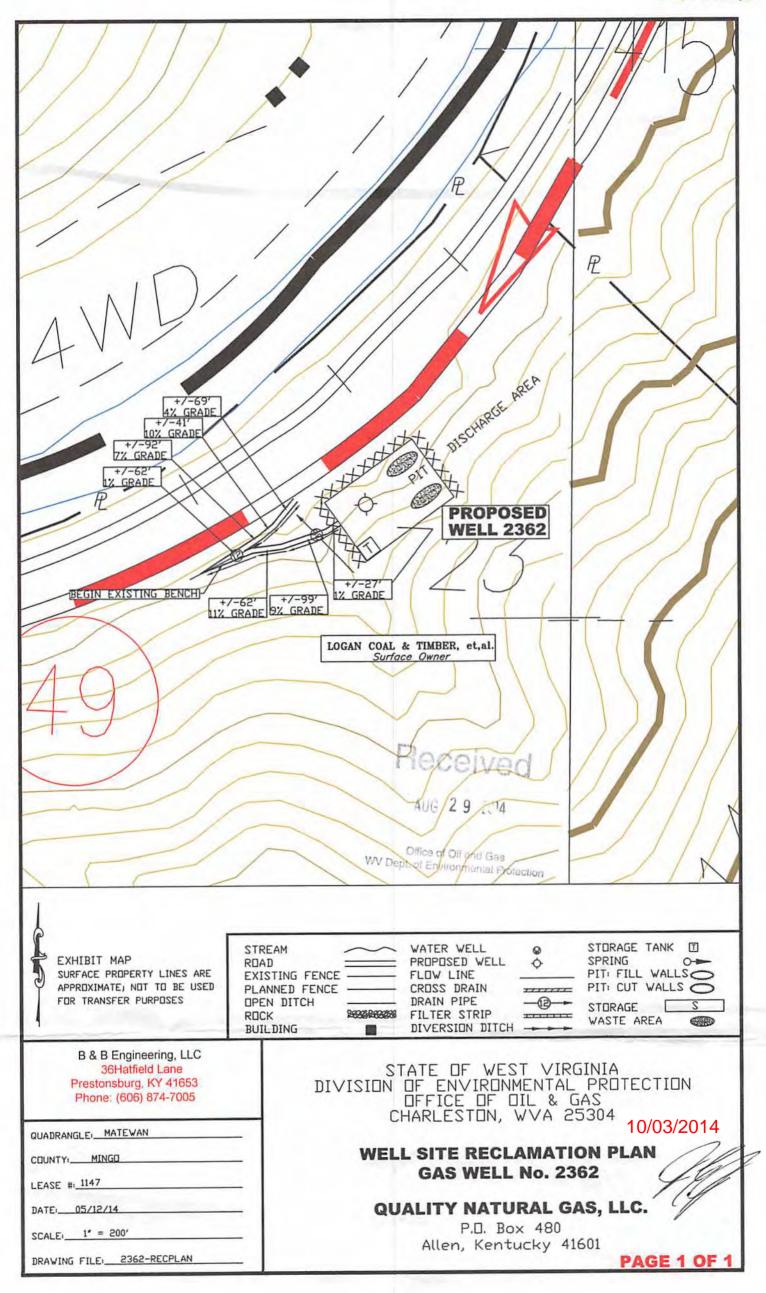
Page	of	
API Num	ber 47 - 059 -	
Operator's	Well No. 2362	-

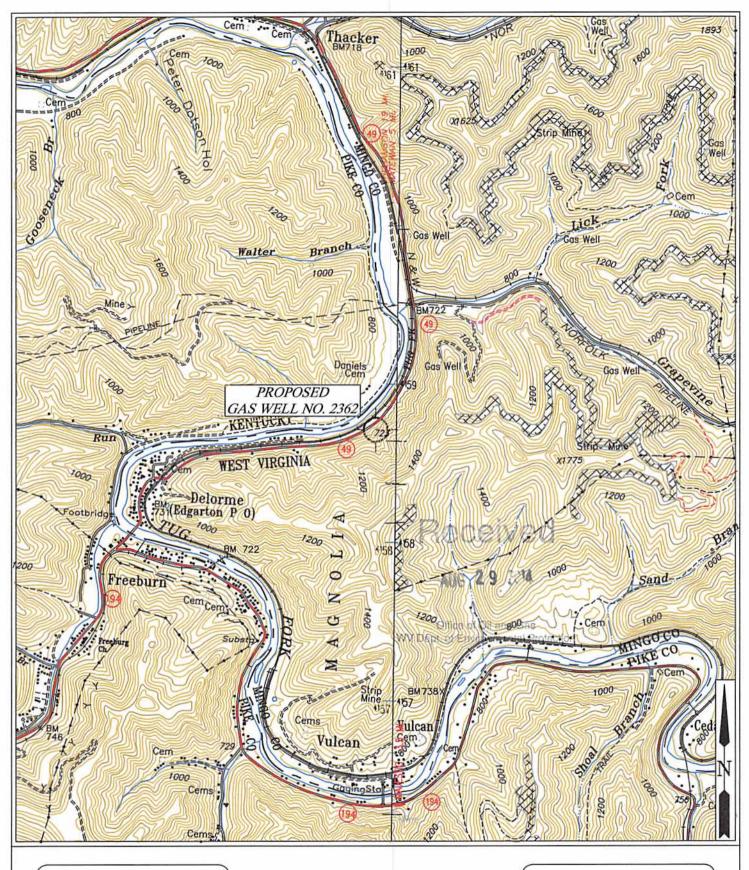
STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Nan	ne: Quality Natura	ıl Gas, LLC	OI	Code: 494477013	
Watershed:	Tug Fork River		Quadrangle	Matewan	_
Elevation	7971	County: Mingo	District: Magn	olia	
Description o	of anticipated Pit Waste	: Water encountered wh	ile drilling and vari	ous formation cutting	<u>25</u>
Do you antic	ipate using more than	5,000 bbls of water to com	plete the proposed we	ll work? Yes	No _X
Will a synthe	tic liner be used in the	pit? Yes, if impervious n	naterial is unavailab	le on siteIf so what mi	19: 10 20 mil
Proposed Dis	sposal Method For Trea			910-	
	<u>X</u>	Land Application Underground Injection (Reuse (at API Number_ Off Site Disposal (Suppl Other (Explain_)
-If	ium anticipated for this oil based what type? Sy be used? No Additive	well? Air, Freshwater, oil by ynthetic, petroleum, etc.	ased, etcAir		
-If	left in pit and plan to se	ve in pit, landfill, removed o olidify what medium will be permit number?	used? Cement, lime, sa	wdust Lime	
31, 1999, by enforceable laction. I could attachment information of fine or improved the company Office of the company Office of the company Office or improved the company Office or imp	the Office of Oil and Oby law. Violations of ertify under penalty of hts thereto and that, ba is true, accurate, and coprisonment.	Gas of the West Virginia Div any term or condition of the law that I have personally ex- used on my inquiry of those complete. I am aware that the	vision of Environmental te general permit and/o examined and am familia individuals immediatel ere are significant penal	Protection. I understand r other applicable law of ar with the information stay responsible for obtaini	TION PERMIT issued on December of that the provisions of the permit are regulation can lead to enforcement ubmitted on this application form and the information, I believe that the information, including the possibility
Company Of		Terry Kinzer and/or Jer		Alexander	mirital
Company Of	fficial Title Manage	er / Quality Natural Gas M	anagement, LLC / Ma	nager of Quality Natur	al Gas, LLC
Subscribed a	and sworn before me th	is 21 day of	Day	. 20	VER.
My Commis	sion Expires	7-27.2017	Me	ceived	
			Auc	29 - 14	Marin Committee

Operator's Well No. ______ 2362

		LI	EGEND		
Property Boundary			Diversion		
Rond = = = = = =	=====		Spring —		
Existing Fence — X —		_	Wet Spot		
Planned Fence / _	_ / _ / _		Drain Pipe with size in	inches	_ ©
Stream / 19, 37		. 7	Waterway C	\Longrightarrow \in	$\rightarrow \hookrightarrow \hookrightarrow$
Open Ditch ————————————————————————————————————	• •		Cross Drain		
Rock 685885	_	-	Artificial Filter Strip	XXXXX	************
North N	-		Pit: cut walls	<u> </u>	
Buildings			Pit: compacted fill wa	us ZVI	<u></u>
Water wells			Area for Land Applica	ation of Pit W	and
Drill site					
51 51					
				 	
Proposed Revegetation Treatmen	nt: Acres Disturbed	2	Prevegetation pH	7.0	
Lime3	Tons/acre or to cor	rect to pl-l	6.5		
Fertilizer (10-20-20 or	equivalent)1/3	Ton	lbs/acre (500 lbs minim	um)	
	Tons/acre or h				
Mulch2	Tonsacie of i				
		Seed	l Mixtures		
Area 1			0.100	Area II	lha/sara
Area 1 Seed Type	lbs/acre		Seed Type		lbs/acre
	40		Orchard	Grass	15
Seed Type KY-31 Alsike Clover	40 10		••	Grass	
Seed Type KY-31 Alsike Clover Annual Rye	40 10 5		Orchard	Grass	15
Seed Type KY-31 Alsike Clover	40 10		Orchard	Grass	15
Seed Type KY-31 Alsike Clover Annual Rye	40 10 5		Orchard	Grass	15
Seed Type KY-31 Alsike Clover Annual Rye Redtop	40 10 5		Orchard	Grass	15
Seed Type KY-31 Alsike Clover Annual Rye	40 10 5 2	nd application	Orchard Alsike C	Grass	15
Seed Type KY-31 Alsike Clover Annual Rye Redtop Attach: Drawing(s) of road, location, pit	40 10 5 2	nd application	Orchard Alsike C	Grass	15
Seed Type KY-31 Alsike Clover Annual Rye Redtop Attach:	40 10 5 2	nd application	Orchard Alsike C	Grass	15
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Seed Type KY-31 Alsike Clover Annual Rye Redtop Attach: Drawing(s) of road, location, pit Photocopied section of involved	40 10 5 2	nd application	Orchard Alsike C	Grass	15
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Seed Type KY-31 Alsike Clover Annual Rye Redtop Attach: Drawing(s) of road, location, pit Photocopied section of involved Plan Approved by: Comments:	40 10 5 2 and proposed area for la 7.5' topographic sheet.		Orchard Alsike C	Grass	15 5
Seed Type KY-31 Alsike Clover Annual Rye Redtop Attach: Drawing(s) of road, location, pit Photocopied section of involved Plan Approved by: Comments: Title Inspector	and proposed area for la 7.5' topographic sheet. Date:	nd application	Orchard Alsike C	Grass	15 5
Seed Type KY-31 Alsike Clover Annual Rye Redtop Attach: Drawing(s) of road, location, pit Photocopied section of involved Plan Approved by: Comments:	40 10 5 2 and proposed area for la 7.5' topographic sheet.		Orchard Alsike C	Grass	15 5





B & B Engineering, LLC 36 Hatfield Lane

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

PROPOSED GAS WELL NO. 2362

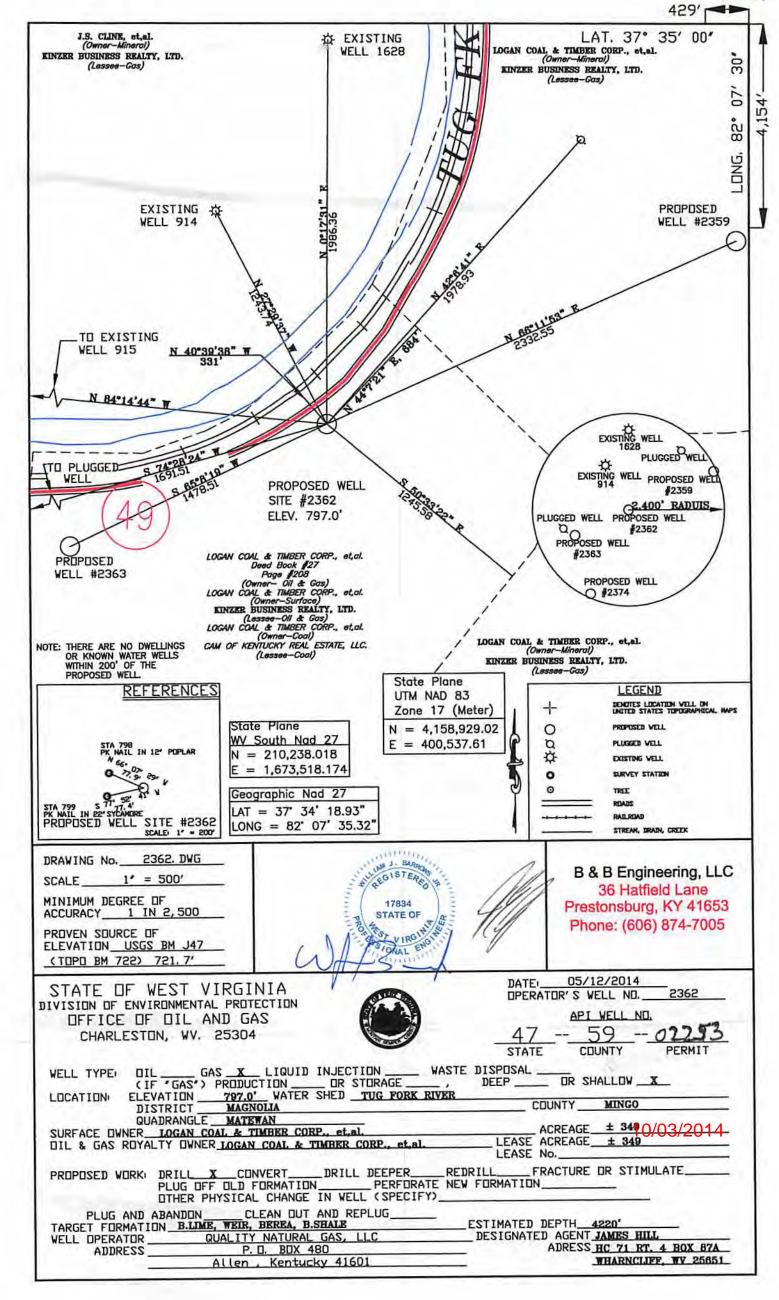
QUAD: MATEWAN

SCALE: 1" = 2000'

DATE: 05/12/2014

FILE NAME: 2362-Vic.DWG

10/03/2014



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) Th	e undersigned is/are the owner(s) of record of	
	X the surface	
01		
	an interest in the surface of a tract of land described as follows:	
	Acres+/- 349	
	Watershed <u>Tug Fork River</u>	
	District Magnolia	
	County Mingo	_
	Public road access State Route 49	_
	Generally used farm name Logan Coal & Timber Corporation, et,al.	
(2) referen	The undersigned realize (s) that a production or gathering pipeline is ced surface tract in connection with the operation of the well identified be	
	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)	
	For sufficient and satisfactory reasons, the undersigned hereby presenterest owned by the undersigned is/are concerned, the production or ged as follows: X On any part of the surface tract identified above:	gathering pipeline need not
	or	Received
	On the following parts of the surface tract identified above:	AUG 2 9 114
	FromTo	
	From To	Tyriga ye on man Ca s Ta Protectio
	From To	
	ecution by corporation, (For execution by natural persons) rship, etc.)	
Name:	Logan Coal & Timber Corporation	
ву:	Present Signature f Date: 2014-07-15	
its:	Presented 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	
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 referenced surface tract in connection with the operation of the well identified be	to be installed across the low:
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 presurface interest owned by the undersigned is/are concerned, the production or goes be buried as follows:	scribe that as far as the athering pipeline need not
X On any part of the surface tract identified above:	
X On any part of the surface tract identified above: or	
or On the following parts of the surface tract identified above:	
On the following parts of the surface tract identified above: From To	
On the following parts of the surface tract identified above: From To	
On the following parts of the surface tract identified above: From To	
On the following parts of the surface tract identified above: From To From To From To From To To	
On the following parts of the surface tract identified above: From To To To To To	

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1) The	e 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:
	an interest in the surface of a flact of land depolition of	
	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) referen	The undersigned realize (s) that a production or gathering p ced surface tract in connection with the operation of the well ide	entified 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)
	For sufficient and satisfactory reasons, the undersigned he interest owned by the undersigned is/are concerned, the produced as follows:	ereby prescribe that as far as the uction 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 al	pove:
	FromTo	
	FromTo	
	From To	
	recution by corporation, (For execution by natural person	ns) Heceived
1		AI/C 20
Name:	Dingess-Rum Properties, Inc	
Ву:	Trus hom Date: 7/2/14	- 17
Its:	President Signature	

Logan Coal & Timber Corporation

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

May 12, 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 210,238
E 1,673,518

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.

Received

AUG 29 : 14

Office of Oil and Gas
WV Dept. of Environmental Protection

By: Losen Coel - Timber Cong By: Rudman & Thompuf

Date: 2014-07-15

C.W. Campbell Company

848 Fourth Avenue, Suite 301 Huntington, West Virginia 25701

May 12, 2014

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

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Received

AUG 29 4

Aut Dobe of Oll and Gast

By: Lay Soly

Its By. Hesiden T

Date: 7/7/2014

Dingess-Rum Properties, Inc.

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

May 12, 2014

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

Quality Natural Gas, LLC
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By: Tung homes

By: President

Date: __// x

FLOOS 14 14

AUF 29:14

CAM of Kentucky Real Estate, LLC.

P.O. Box 1169 Pikeville, KY 41502

May 12, 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 210,238
E 1,673,518

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By: Ronald St. Hull

its: 6m. ENG

Date: 8/19/14

CAM Mining, LLC.

P.O. Box 1169 Pikeville, KY 41502

May 12, 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 210,238
E 1,673,518

Dear Mr. Martin:

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By: Ronald J. Hull

its: GM-ENG

Date: 8/19/14

Received

AUG 29 114

Owen at Oil and Give WV Dept. C. Environmental Protection