

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 15, 2014

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-5902256, 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.

Operator's Well No: 2374

Farm Name: LOGAN COAL & TIMBER CORP.

lames Martin

API Well Number: 47-5902256

Permit Type: Vertical Well

Date Issued: 09/15/2014

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

		L WORK FLKWIT AFF		Ming	5	462
1)Well Operator	Quality Natural Gas	, LLC 4	94477013	059	Magnolia	Matewan
To a series processes		C	perator ID	County	District	Quadrangle
2) Operators Well	Number <u>2374</u>		3) E	levation:	1,389.9'	_
4) Well Type: (a) C (b) If		/ Underground S	Storage	_		
		, Weir, Berea, B.Shale	_Propose	d Target	Depth: 473	<u>5'</u>
6) Proposed Total	Depth: +/- 4855'	_Feet Formation at Pro	_Propose oposed To	d Target otal Dept	Depth: <u>473</u> h: <u>Harrell (</u>	<u>5'</u> 'Genesee)
 Proposed Total Approximate fre 	Depth: +/- 4855' sh water strata depths:	_Feet Formation at Pro Coal 922'	_Propose oposed To	d Target otal Dept	Depth: <u>473</u> h: <u>Harrell (</u>	<u>5'</u> 'Genesee) -
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6) Proposed Total 7) Approximate fre 8) Approximate sa 9) Approximate coa 10) Approximate v 11) Does land con	Depth:	Feet Formation at Pro Coal 922' NONE EXPECTED 922'-924' other): None expected. If a to active mine? No	oposed To	otal Dept	h: <u>Harrell (</u>	Genesee)

13) CASING AND TUBING PROGRAM

TYPE S	SPECIFIC	CATIONS		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'	952'	952'	C.T.S.
Coal	9 5/8"	L.S.	32'	952'	952'	C.T.S.
Intermediate	7"	L.S.	20	2642'	2642'	C.T.S.
Production	4 1/2"	WTC 65	10.5	4855'	4855'	200'up in 7" casing
Tubing						
Liners						

Packers:

Kind

Sizes

Depths Set

4 - 29 - 14

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

AUC 29 114

WW2-A			1	1)	Date:	MAY 30, 2	014	
(Revised 6/07)				2)	Operato	r's Well Numl	per	2374
			1					
				2)	A DI MAII	No.: 47 -	059 -	02256
				3) /	AFI VVEII	State	County	Permit
	STATE OF	WEST VI	RGINIA	- BURE	EALL OF	ENVIRON	COLUMN TOUR PROPERTY.	
		The Desirement of the William Co.						ND GAS
DEPARTIM						I, OFFICE C		
	NOTICE A	ND APPLI	CATIO	N FOR	4 WEL	L WORK PE	=RIVIII	V#10677
							C	4 650°C
4) Surface Owner	r(s) to be served:			5) (a) Coal	Operator			630
(a) Name	SEE ATTCHE	INT WW2-A1		Name		MINING, LLC.	W	
Address	- C - C - C - C - C - C - C - C - C - C			Address	P.O.	BOX 1169 PIKEV	ILLE, KY 415	02
/h\ Nome	_			(h) Coal O	wnor(e) wit	h Declaration		
(b) Name Address	-			Name		ATTACHMENT V	//Λ/2-Δ2	
Address	-			Address	SEL	ATTACHMENT	1112-712	
(c) Name				Name				
Address				Address				
0) Indonestica	Taxana Isaas			(a) Coal L	nesso with I	Declaration		
6) Inspector Address	P.O. BOX 147			Name		OF KENTUCKY	REAL ESTAT	FILC VV
Address	Ona, WV 2554	5		Address		BOX 1169 PIKEV		
Telephone	(304) 951-2596		-	Addicas	1.0.	DOX 1100 1 INC.	1222, 111 410	-
reiephone	(504) 551-2550				-			
		TO THE PERS	ONS NAME	D ABOVE T	AKE NOTI	CE THAT:	a 5.3 - w 1 v 1	
	lease or leases	or other continui	ng contract	or contracts	by which I	hold the right to e	xtract oil and g	jas
OR		and the Observation	00 44:4-0	Castina 0/	d) af the Ca	do of \Mont \/irain	in /oon name '	
X Included is the	information requ	ter 22 6 of the	Most Virgin	is Code I ha	a) of the Co	conies of this not	ice and applic	ation a location
plat, and accompar	nving documents	pages 1 through	on the	above nam	ed parties t	ov:	ice and applic	ation, a location
piat, and accompa	Personal S	ervice (Affidavit	attached)	Water to state	200,000,000	*		
X		ail (Postmarked						
		(Notice of Publi				and the same of the same of		
		d Chapter 22-6	and 35 CS	R 4, and I	agree to	the terms and co	onditions of ar	ny permit issued
under this application	on.	law that I have	norconalli	, evamined	and am f	amiliar with the i	nformation su	hmitted on this
application form ar	nd all attachmen	s and that bas	ed on my i	nauiry of th	ose individ	uals immediately	responsible f	or obtaining the
information. I believ	ve that the information	ation is true, acc	urate and c	omplete.				
I am awa	are that there a	re significant p	enalties for	submitting	false info	rmation, including	g the possibi	lity of fine and
imprisonment.	salved				1.			
170	Julian	Well Operator		uality Natu		LC / By: Quality	Natural Gas	Management,
		5	LI	_C / Its: Mai	pager /			
Acid	29 14	By:			9/	11		
AUS		Its:		anager		,		
		Address		O. Box 460				
PAGE 1	en of Oil and Gas	Talonhana		len, KY 416 06) 874-804				
W Dep	Environmental Prof	Telephone	_(6	00) 074-004	1		1	
Subscribed and sw	orn before me thi	s / 6	day of	Su	cc	. 2	0/4	
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Oil and Gas Privacy Notice

My Commission Expires

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 departivacyofficer@wv.gov

2017

Notary Public

WW2-A1 SURFACE OWNERS

Logan Coal & Timber Corporation W 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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09/19/2014

WW-2A Surface Waiver

County Mingo Operator well number Operator well number 2374 INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A The well operator named on page WW2A is applying for a permit from the State to do oil or gas well work. (Note: if the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you schelly occupy the surface tract. In eliferocase, you make put the only owner who will actually receive these materials.) So Conspite 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 flyou know who it is. Also, please notify the well operator and the Office of Oil and Gas. Note: You I are NOT: YOU JARE NOT REQUIRED TO FILE ARY COMMENT. WHERE TO FILE COMMENT'S AND OBTAIN ADDITIONAL INFORMATION: Chief, Office of Oil and Gas OR District Oil and Gas inspector Department of Environmental Protection 001 57° St. St. Charleston, WV 2504 (304) 226-0450 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 filling date to file your comments. Comments must include the filling that the department of Environments. Or on a control of the planned work described in these meterials, then the permit may be issued at any time. Comments must be in writing. Your comments must include your name, address and telephone number, the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these meterials, then the permit may be issued at any time. Comments must be in writing. Your comments must include your name, address and telephone number, the well operator is name and well number and the approximate location of the proposed well well site including district and county from the applicant host work permit be appli			SURF	ACE OWNER W	/AIVER	
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Office of Oil and Tas WV Dept. of Environmental Protection

40-27-37					0 110
County	Mingo	Operato		Quality Natural 2374	
		Operati	or well number	2374	
	INSTRUCTIONS TO	SURFACE OWN	NERS NAMED ON PA	GE WW2-A	
If the surface tract appeared on the Si be the only owner permits are valid for	perator named on page WN is owned by more than the heriff's tax ticket on the lar who will actually receive or 24 months. If you do not ately if you know who it is. NOTE: YOU AR WHERE TO FILE COM	ree persons, then d or because you these materials.) t own any interes Also, please notif E NOT REQUIRE	these materials were actually occupy the same see Chapter 22 of the tin the surface tract, by the well operator and the track of the tr	e served on you becausurface tract. In either the West Virginia Cooplease forward these red the Office of Oil and Omment.	case, you may de. Well work materials to the
Chief Office of Oil	and Gas OR District Oil an	d Gas Inspector			
	ironmental Protection	a cas mopostor			
Charleston, WV 25	5304				
(305) 926-0450	nethods for filing comme	nto The law sea	uiroe those materials	to he served on or hefr	ore the date the
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	WV Dept., or Envi	on mannik Protestich	Lan) Balobin	7/7/201
			Signature		Date
					09/19/2014

WW-2A Surface Waiver

	SUI	RFACE OWNER WAIVER	
County	Mingo	Operator	Quality Natural Gas, LLC
	minge	Operator well number	
	INSTRUCTIONS TO S	SURFACE OWNERS NAMED OF	N PAGE WW2-A
If the surface tract appeared on the S be the only owner permits are valid for	is owned by more than three heriff's tax ticket on the land who will actually receive the 24 months. If you do not cately if you know who it is. Al NOTE: YOU ARE	e persons, then these materials or because you actually occupy ese materials.) See Chapter 2:	COMMENT.
Department of Env	and Gas OR District Oil and ironmental Protection	Gas Inspector	
601 57 th St. SE Charleston, WV 25 (306) 926-0450	5304		
operator files his A be filed in person of be sure of the da handling. If you ha the planned work d Comments must operator's name ar the application. You The Chief 11) The pr 12) The so 13) Damag 14) The pr 15) The approve of If you war request a copy fro List of Wa	pplication. You have FIFTED or received in the mail by the ste. Check with your postmate been contacted by the way escribed in these materials, the sternard well number and the appropriate may add other documents, has the power to deny or composed well work will constitute would occur to publicly ow oposed well work fails to protopplicant has committed a sufficient has committed a suffithe rules promulgated under the copy of the permit as the Chief. Inter Testing Laboratories. To establish water quality prior VOLUNTAL	EN (15) DAYS after the filing date Chief's office by the time stated laster to ensure adequate deliving then the permit may be issued at them the permit may be issued at the them the proposed such as sketches, maps or photodition a well work permit based oute a hazard to the safety of person of plan is not adequate or effectioned lands or resources; the tresh water sources or supplicated them the them them	address and telephone number, the well well site including district and county from ographs to support your comments. In comments on the following grounds: ons, we; es; permit or a substantial violation of one or bate or seek review of the violation", order denying the permit, you should ter testing laboratories which you can hire Chief to obtain a copy.
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a permit being issu	ed on those materials. BY A NATURAL PERSON		ECUTION BY A CORPORATION, ETC.
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Signature

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Operator	Mingo Quality Natural Gas, LLC	Operator's Well	Number	2374
IN	STRUCTIONS TO CO	OAL OPERATOR	, OWNER, OR	LESSEE
any objection you wi	ish to make or are req	uired to make by	Code 22-6-15,	ou are hereby notified that 16 or 17, must be filed with eceipt of this application by
Chief, Office of Oil a Department of Envir 601 57 th St. SE Charleston, WV 253 (304) 926-0499 exte	onmental Protection			
		WAIVER		
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			Logan Co	pal & Timber Corporation
Signature	Date	Name By Its	Rodmen Preside Olukum Signature	ETHOMPSON JII ETlemper / 2014-0715 Date
			Proci	ö d
			40G 29	<u></u>

09/19/2014

Cifice of Oil and Gas WV Dept of Angliandra 121 Protection

Logan Coal & Timber Corporation

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

May 30, 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 2374 WV State Plane Coordinates N 208,153 E 1,672,560

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: Rodman E THOMPSON JR By: Redeum & Thempol

Date: 2014-07+15

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WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County	Mingo		
Operator	Quality Natural Gas, LLC	Operator's Well Number	er2374
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601 57 th St. SE Charleston, W\	Environmental Protection / 25304		
(304) 926-0499	extension 1654	MANUED	
		WAIVER	
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FOR EXECUTION	BY A NATURAL PERSON	FOR EX	ECUTION BY A CORPORATION, ETC.
			C.W. Campbell Company
	Date	Name /	0
Signat	ure	By Its Signa	Balden 7/2/2014 Date
			Domestic

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09/19/2014

C.W. Campbell Company

848 Fourth Avenue, Suite 301 Huntington, West Virginia 25701

May 30, 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 2374 WV State Plane Coordinates N 208,153
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Date: 7/7/

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COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Operator	Mingo Quality Natural Gas, LLC	Operator's Well Number _	2374
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Chief, Office of Control of Education Charleston, WV (304) 926-0499	Environmental Protection 25304		
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		Rac	ceived
		400	29 14

W/m Office of Entire Figure

Dingess-Rum Properties, Inc.

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

May 30, 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 2374 WV State Plane Coordinates N 208,153
E 1,672,560

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By: Torrey Lugas

By: Tuny gru

Date: 7/2/19

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COAL OPERATOR, OWNER, OR LESSEE WAIVER

County	Mingo			
Operator	Quality Natural Gas, LLC	Operator's Well Number	er	2374
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FOR EXECUTION BY A NATURAL PERSON		FOR EX	ECUTION BY A C	ORPORATION, ETC.
		- 3	CAM MINING, LLC	3,
	Date		RONALD G. H	HULL
Signature		Ву	2 - 2	
		lts	Sel A. Hull	8/19/14
		Signa		Date
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CAM Mining, LLC.

P.O. Box 1169 Pikeville, KY 41502

May 30, 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 2374 WV State Plane Coordinates N 208,153
E 1,672,560

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.

BV. Ronald S. Hull

its: GM- ENG-

Date: 8/19/14

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COAL OPERATOR, OWNER, OR LESSEE WAIVER

County	Mingo			
Operator	Quality Natural Gas, LLC	Operator's Well N	umber	2374
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Chief, Office of Department of 601 57 th St. SE	Environmental Protection			
Charleston, W				
(304) 926-0499	extension 1654	WAIVER		
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			Cam of Ker	ntucky Real Estate, LLC.
	Date	Name _	RONALI	6. HULL
Signat	ure	By Its	Gm-E	N _T
			Ronald 4.	Hall 8/19/14
			Signature	Date
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09/19/2014

Wittern Commission Votesion

CAM of Kentucky Real Estate, LLC.

P.O. Box 1169 Pikeville, KY 41502

May 30, 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 2374 WV State Plane Coordinates N 208,153
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By: Ronald &. Half

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Date: 8/19/14

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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 ADDENOUM

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

29 1

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:	Low Lit
Its:	Manager / 1

STATE OF KENTUCKY
STATE AT LARGE
, a Notary Public of said County and State aforesaid, do certify that Doug 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 OF KENTUCKY
STATE OF KENTUCKY
STATE AT LARGE
Ay Commission Expires: 7.27.267
Siven under my hand this day of Sepheral 2014 Notary Public OUBLIC MARGE, KENTUCKER ARGE, KENTUCKER OUBLIC

çc

Well No.	2374
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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.

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

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

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

Contractor Name		See Note Below:	
Well operator's p	rivate laboratory		
Well Operator	Quality Natural Ga	s, LLC	
Address	P.O. Box 480		
	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 please indicate such.

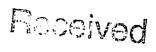
Note: There are no water wells within 1000 feet. Per Department of West Virginia Oil and Gas we have extended the water samples out to 2000 feet. The inventoried houses are attached.

ATTACHMENT WW2-B-A

Laboratory used for analysis: ACCULAB, INC

167 Stollings Avenue

Logan, WV 25601



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Office of Oil and cras
WV Dopt, of Environmental Protection
09/19/2014 Office of Oil and Gas

FORM WW-9 Rev. 05/10

Page	of	
API Num	ber 47 - 059 -	
Operator's	Well No. 2374	-

STATE OF WEST VIRGINIA

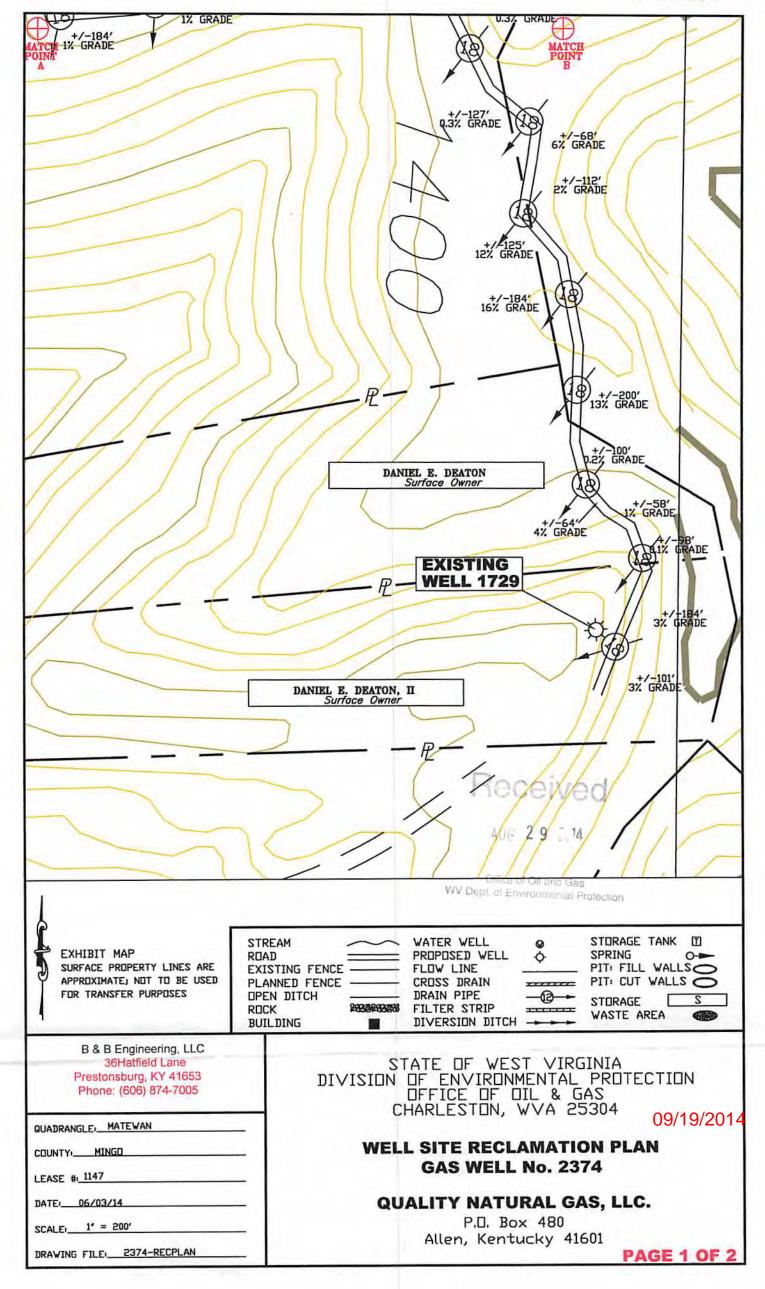
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

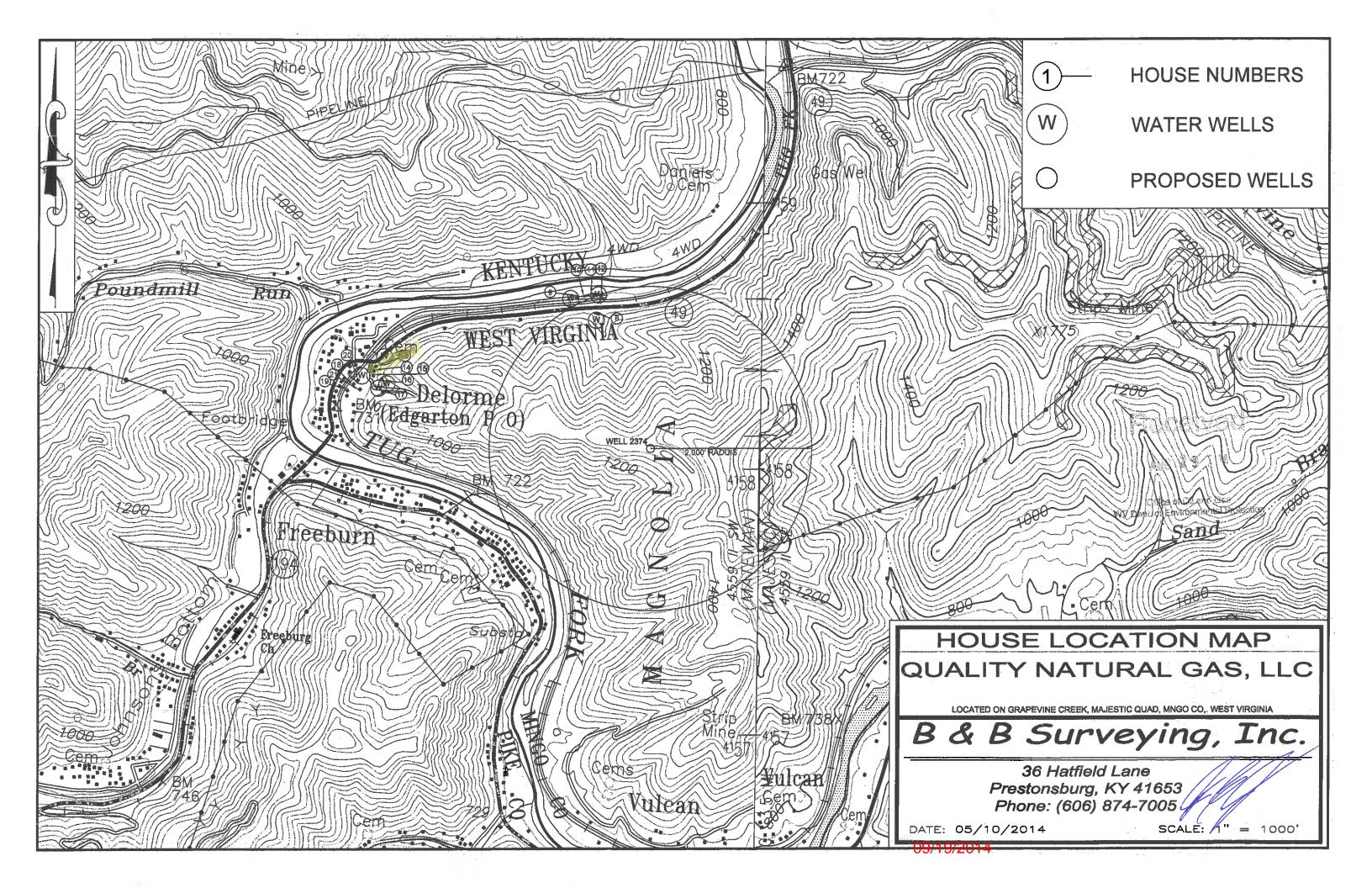
Operator Name	e: Quality Natura	l Gas, LLC	0	P Code: _	494477013	
Watershed:	Tug Fork River		Quadrangle	: Matewa	nn	_
Elevation	1389.91	County: Mingo	District: Magn	olia		=
Description of	anticipated Pit Waste:	Water encountered v	while drilling and vari	ious forn	nation cuttings	
Do you antici	pate using more than	5,000 bbls of water to co	omplete the proposed we	ll work?	YesN) _X
Will a syntheti	ic liner be used in the p	oit? Yes, if impervious	material is unavailab	le on site	e. If so what mil?	+ ZOALL
Proposed Disp	oosal Method For Trea					
	<u>X</u>					
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-If o	in anticipated for this il based what type? Sy e used? No Additive	well? Air, Freshwater, oil nthetic, petrolcum, etc.	based, etc. Air			
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31, 1999, by t enforceable by	he Office of Oil and O y law. Violations of	ias of the West Virginia E any term or condition of	Division of Environmental the general permit and/o	Protection r other ap	n. I understand the plicable law or r	ON PERMIT issued on December nat the provisions of the permit are egulation can lead to enforcement
all attachment	s thereto and that, bas true, accurate, and co	sed on my inquiry of thos	se individuals immediately	v responsi	ble for obtaining	mitted on this application form and the information, I believe that the formation, including the possibility
Company Offi	icial Signature	Tom Ku				
Company Offi	icial (Typed Name)	Terry Kinzer and/or J	Jerry Kinzer			
Company Offi	icial Title Manage	r / Quality Natural Gas	Management, LLC / Ma	nager of	Quality Natural	Gas, LLC
Subscribed and	id sworn before me thi	s day of	June	, 20	14	
A		DE C		Notary	Public	
1)		Ro	cei		
My Commissi	ion Expires	24-2017			* 44	manne and
			AU	= 29	14	

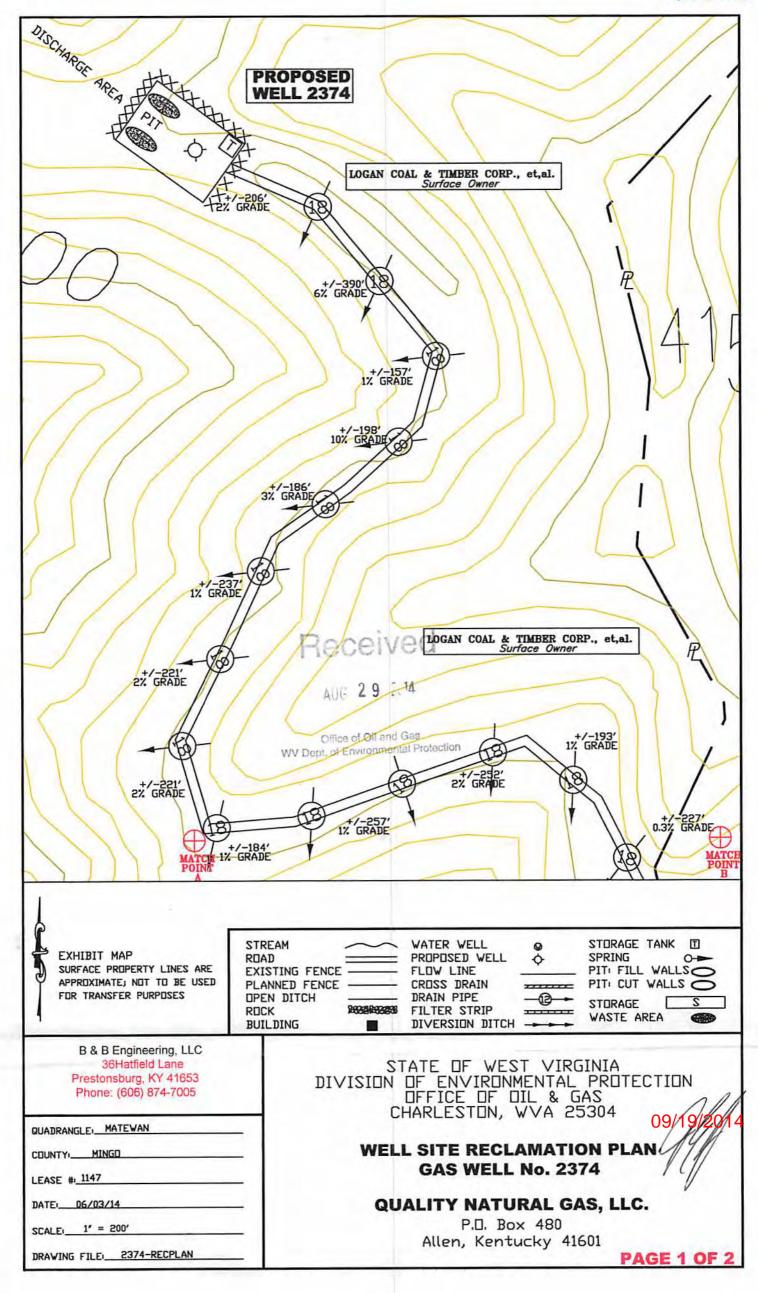
		LEGEND	
Property Boundary		Diversion Continuent	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Road = = = = =		Spring -	
Existing Fence — X -		Wet Spot	
Planned Fence/_		Drain Pipe with size in inches	@
	7 7	Waterway C+ C+ C	
Open Ditch —		Cross Drain 7777777	11111111
Rock 888888		Artificial Filter Strip XXXXX	XXXXXXXXXXX
North N	-	Pit: cut walls	
Buildings		Pit: compacted fill walls	me
		Area for Land Application of Pit	Waste
Water wells Drill site		-	
Proposed Revegetation Treatme	nt: Acres Disturbed 2	Prevegetation pH 7.0	
Lime 3	Tons/acre or to correct to pH	6.5	
	r equivalent) 1/3 Ton		
Mulch2	Tons/acre or hydroseed		
	Se	eed Mixtures	
Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
KY-31	40	Orchard Grass	15
Alsike Clover	10	Alsike Clover	5
Annual Rye	5		_
Redtop	2		
Attach: Drawing(s) of road, location, pi	t and proposed area for land application	on.	
Photocopied section of involved	17.5' topographic sheet.		
	7//		
Plan Approved by:	4		
Comments:			
Tisla Isomastas	Date: 6-1	8-19 Doggive	h
Title Inspector		LICOPIAS	
Field Reviewed? (_	/ Yes () No	
		ALC: 29	£.

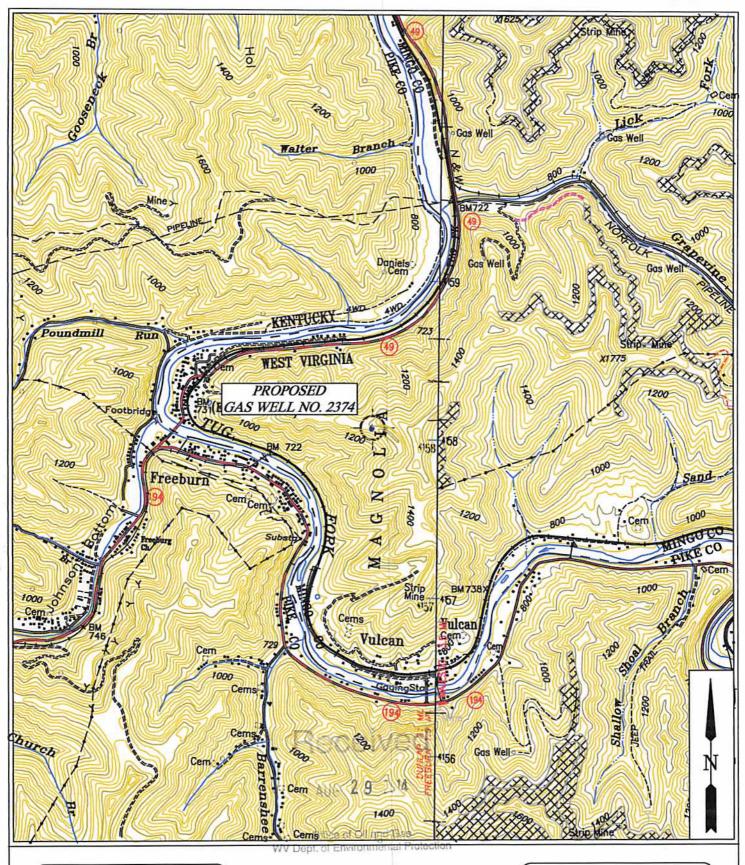
2374

Operator's Well No.









B & B Engineering, LLC

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

PROPOSED GAS WELL NO. 2374

QUAD: MATEWAN

SCALE: 1" = 2000"

DATE: 06/03/2014

FILE NAME: 2374-VicMap.DWG

09/19/2014

