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

January 07, 2016

WELL WORK PERMIT

Re-Work

This permit, API Well Number: 47-5901874, 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: 1731
Farm Name: PRATER, DONALD & DARLENE
API Well Number: 47-5901874
Permit Type: Re-Work
Date Issued: 01/07/2016

Promoting a healthy environment.

5901874W

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 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, drilling ceased, completion of any other permitted well work and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.

Form: WW - 2B

4705901874W

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

1)Well Operator Quality Natural Gas, LLC

494477013	059	Mag-nolia	Matewan
Operator ID	County	District	Quadrangle

2) Operators Well Number 1731

3) Elevation: 881.9'

4) Well Type: (a) Oil_____ or Gas X
(b) If Gas: Production X / Underground Storage_____
Deep _____ / Shallow X

5) Proposed Target Formation(s): Devonian Shale

6) Proposed Total Depth: 4397' Feet
7) Approximate fresh water strata depths: _____
8) Approximate salt water depths: None Expected

9) Approximate coal seam depths: 55', 235'

10) Does land contain coal seams tributary to active mine? No

11) Describe proposed well work Re-work Existing Well, PERFORATE & NITROGEN FRAC IN DEVONIAN SHALE

12) CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)
Conductor	13 3/8"	L.S.		32'	32'	C.T.S.
Fresh Water	9 5/8"	L.S.	26	265'	265'	C.T.S.
Coal	9 5/8"	L.S.	26	265'	265'	C.T.S.
Intermediate	7"	L.S.	17	2140'	2140'	C.T.S.
Production	4 ½"	J55	10.5	4397'	4397'	200' in 7" line
Tubing						
Liners						

Packers: Kind
Sizes
Depths Set

Received
NOV 24 2015
Office of Oil and Gas
WV Dept. of Environmental Protection

WR-35
Rev (5-01)

DATE: 06-24-2011
API # : 47-5901874 W

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

Well Operator's Report of Well Work

Farm name: DONALD & DARLENE PRATER Operator Well NO.: 1731

LOCATION: Elevation: 882' Quadrangle: MAJESTIC

District: MAGNOLIA County: MINGO
Latitude: 10,139 Feet South of 37 Deg. 35 Min. 00 Sec.
Longitude 11,571 Feet West of 82 Deg. 05 Min. 30 Sec.

Company: KINZER DRILLING CO. LLC

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 1555 KY RT 80	13 3/8"	88'	88'	
PRESTONSBURG, KY 41653	9 5/8"	386'	386'	236
Agent: JAMES HILL	7"	2121'	2121'	486
Inspector: GARY SCITES	4 ½"	4702'	4702'	314
Date Permit Issued: 10/24/2007				
Date Well Work Commenced: 09/10/09				
Date Well Work Completed: 09/16/09				
Verbal Plugging:				
Date Permission granted on:				
Rotary YES Cable Rig				
Total Depth (feet): 4,750'				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? NO				
Coal Depths (ft.):				

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WV DEP
JUN 30 2011
Office of Oil and Gas

OPEN FLOW DATA

Producing formation Shale, Shale/Berea Pay zone depth (ft) SEE ATTACHED
Gas: Initial open flow 10.53 MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow ____ MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure ____ psig (surface pressure) after ____ Hours

Second producing formation ____ Pay zone depth (ft) ____
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow ____ MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure ____ psig (surface pressure) after ____ Hours

RECEIVED
Office of Oil and Gas
SEP 17 2015
WV Department of Environmental Protection

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Jerry Kinzer
Date: June 27, 2011

Pulled from WVGES 09/17/15 WS

12/09/2011

47059018744

FROM	TO	ROCK TYPE (DESCRIBE ROCK TYPES AND OTHER MATERIALS PENETRATED AND RECORD OCCURRENCES OF OIL GAS, AND WATER FROM SURFACE TO TOTAL DEPTH)	FROM	TO	ROCK TYPE (DESCRIBE ROCK TYPES AND OTHER MATERIALS PENETRATED AND RECORD OCCURRENCES OF OIL GAS, AND WATER FROM SURFACE TO TOTAL DEPTH)
0	142	SUB BASE			GAS CHECK @ 2410' - INJUN/SMELL
142	195	SANDSTONE			GAS CHECK @ 3044' - COFFEE/SMELL
195	232	SAND/SHALE			GAS CHECK @ 3376' - BROWN/SMELL
232	250	COAL			
250	430	SAND/SHALE			
430	537	COAL			
537	553	SAND/SHALE			
553	660	RED ROCK			
660	724	SAND/SHALE			
724	892	RED ROCK			
892	930	SAND/SHALE			
930	982	MAXTON			
982	1040	SAND/SHALE			
1040	1388	LITTLE LIME			
1388	1404	BIG LIME			
1404	1470	INJUN			
1470	1644	WEIR			
1644	1690	SAND/SHALE			
1690	1870	SHALE			
1870	1930	BEREA			
1930	2050	SHALE			
2050	2070	SAND/SHALE			
2070	2080	SHALE			
2080	2110				
2110	2158				
2158	2390	T.D.			
2390	2420				
2420	2424				
2424	2490				
2490	2690				
2690	3018				
3018	3064				
3064	3190				
3190	3360				
3360	3460				
3460	3900				
3900	4070				
4070	4118				
4118	4238				
4238	4510				
4510	4740				
4740	4750				

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Office of Oil and Gas

SEP 17 2015

WV Department of
Environmental Protection

12/09/2011

5901874 W

QUALITY NATURAL GAS, LLC
WR-35 COMPLETION REPORT - Attachment
TREATMENT SUMMARY

WELL NAME & NO.	QUALITY NATURAL GAS, LLC, #1731
API #	47-5901874
DATE	NOT YET TREATED

STAGE NO. 1

TYPE FRAC	
ACID AMOUNT	
# PERFORATIONS	
PERF INTERVAL	
MAXIMUM PRESSURE	
INSTANT SHUT IN PRESSURE	
TOTAL TREATMENT VOLUME	

STAGE NO. 2

TYPE FRAC	
ACID AMOUNT	
# PERFORATIONS	
PERF INTERVAL	
MAXIMUM PRESSURE	
INSTANT SHUT IN PRESSURE	
TOTAL TREATMENT VOLUME	

STAGE NO. 3

TYPE FRAC	
ACID AMOUNT	
# PERFORATIONS	
PERF INTERVAL	
MAXIMUM PRESSURE	
INSTANT SHUT IN PRESSURE	
TOTAL TREATMENT VOLUME	

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WV DEP
JUN 30 2011
Office of
Oil and Gas

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Office of Oil and Gas
SEP 17 2015
WV Department of
Environmental Protection

12/09/2011

59 01874W

WW2-A
Revised 8/02

11891 Ck # 3,300.00 $550 x 6 = 7

1) Date: **August 6, 2015**
2) Operator's Well Number **1731**

3) API Well No.: 47 - 059 - 01874
State County Permit

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

4) Surface Owner(s) to be served:
(a) Name **Donald Prater** Waiver
Address **P.O. Box 68**
Edgarton, WV 25672
(b) Name
Address
(c) Name
Address

6) Inspector **Mr. Jeremy James**
Address **P.O. Box 147**
Ona, WV 25508
Telephone **(304) 951-2596**

5) (a) Coal Operator
Name **N/A**
Address
(b) Coal Owner(s) with Declaration
Name **See Attached Sheet** Waiver
Address
Name
Address
(c) Coal Lessee with Declaration
Name
Address

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

___ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas

OR

X Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties by:

___ Personal Service (Affidavit attached)
X Certified Mail (Postmarked postal receipt attached)
___ Publication (Notice of Publication attached)

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

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

DUANE LESTER NOTARY PUBLIC STATE AT LARGE KENTUCKY

Well Operator **Quality Natural Gas, LLC / By: Quality Natural Gas Management, LLC / Its: Manager**
By:
Its: **Manager**
Address **P.O. Box 480**
Allen, KY 41601
Telephone **(606) 874-8041**

Received Office of Oil & Gas SEP 10 2015

Subscribed and sworn before me this 25 day of August, 2015

Notary Public

My Commission Expires 7.24.2017

DUANE LESTER
NOTARY
PUBLIC
STATE AT LARGE KENTUCKY

5 (b)

5901874W

James B. Mounts
10940 Lemarie Drive
Sharonville, OH 45241

Received
Office of Oil & Gas
SEP 10 2015

59 01874W

WW-2A Surface Waiver

SURFACE OWNER WAIVER

County **Mingo** Operator **Quality Natural Gas, LLC**

Operator well number **1731**

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW2-A

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

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas OR District Oil and Gas Inspector
Department of Environmental Protection
601 57th Street
Charleston, WV 25304
(304) 926-0499

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

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

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

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

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

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

VOLUNTARY STATEMENT OF NO OBJECTION

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

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

FOR EXECUTION BY A NATURAL PERSON

Donald Prater Date 8-31-15
Signature
Donald Prater

FOR EXECUTION BY A CORPORATION, ETC.

Company Name
By
Its
Signature Date

Received
Office of Oil & Gas
SEP 10 2015

4705901874w

Coal

7012 3460 0001 1768 8804

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®
CINCINNATI, OH 45241

OFFICIAL USE

Postage	$3.45
Certified Fee	$2.80 $0.00
Return Receipt Fee (Endorsement Required)	$0.00 $0.00
Restricted Delivery Fee (Endorsement Required)	$0.00
Total Postage & Fees	$1.64 $7.89

0060
08

Postmark Here

11/17/2015

Sent To: James B. & Pauline Mounts
Joel & James Mounts, Jr.

Street, Apt. No.; or PO Box No.: 10940 Lemarie Drive

City, State, ZIP+4: Sahronville, OH 45241

PS Form 3800, August 2006 — See Reverse for Instructions

Received
NOV. 24 2015
Office of Oil and Gas
WV Dept. of Environmental Protection

(8/02) Operator's Well Number 1731 4705901874W

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
James B. Mounts	Kinzer Business Realty, LTD	1/8	Bch 100 P 71

SEE ASSIGNMENT

Received
NOV 24 2015
Office of Oil and Gas
WV Dept. of Environmental Protection

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

By: Jerry Kinzer

Its: Manager

ASSIGNMENT

5901874W

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

December 4, 2015

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

Attn.: Mr. Jeff McLaughlin

Re: West Virginia Well Applications
Quality Natural Gas, LLC
Mingo County, West Virginia

Dear Jeff:

As per our discussions yesterday regarding the relationship of the current Lessee and or owner of various leases and mineral properties, Kinzer Business Realty, Ltd., and Quality Natural Gas Properties, Ltd., and that of current and future applications that may be pending a 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., and Quality Natural Gas Properties, Ltd., has designated Quality Natural Gas, LLC (as operator thereof) to permit, operate and maintain oil and all gas wells West Virginia at this time.

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

Sincerely,

Duane Lester

Designated Operator

Quality Natural Gas, LLC
By: Quality Natural Gas Management, LLC
Its: Manger

By: _____
General Manager

Consenting Party:

Quality Natural Gas Properties, Ltd.
Kinzer Business Realty, Ltd.

Its: General Partner

By: _____
General Manager

ASSIGNMENT 5901874W

STATE OF KENTUCKY

STATE AT LARGE

I, Duane Lester, a Notary Public of said County and State aforesaid, do certify that Jerry Kinzer, 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 7-27-2017

Given under my hand this 4 day of December, 2015

Duane Lester — Notary Public

492274 — ID Number

SEAL

DUANE LESTER NOTARY PUBLIC STATE AT LARGE, KENTUCKY

STATE OF KENTUCKY

STATE AT LARGE

I, Duane Lester, a Notary Public of said County and State aforesaid, do certify that Jerry Kinzer, General Manager of **Kinzer Business Realty, Ltd., and Quality Natural Gas Properties, Ltd.**, whose name is signed to the within writing has this day acknowledged the same before me in said county.

My Commission Expires: 7-27-2017

Given under my hand this 4 day of December, 2015

Duane Lester — Notary Public

492274 — ID Number

SEAL

DUANE LESTER NOTARY PUBLIC STATE AT LARGE, KENTUCKY

cc file
All Proposed Permit Applications
of Quality Natural Gas LLC

5901874W

FORM WW-9
Rev. 02/03

Page _____ of _____
API Number 47 - 059 - 018740000
Operator's Well No. 1731

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

Operator Name: **Quality Natural Gas, LLC** OP Code: **494477013**

Watershed: **Tug River** Quadrangle: **Matewan**

Elevation **881.9'** County: **Mingo** District: **Magnolia**

Description of anticipated Pit Waste: _____

Will a synthetic liner be used in the pit? "NO PIT"

ANY WELL EFFLUENT MUST BE CONTAINED IN TANKS AND DISPOSED OF OFF-SITE.

Proposed Disposal Method For Treated Pit Wastes:

_____ **Land Application**
_____ Underground Injection (UIC Permit Number_____)
_____ Reuse (at API Number_____)
__X__ Off Site Disposal (Supply form WW-9 for disposal location)
_____ Other (Explain_____

Proposed Work For Which Pit Will Be Used:

_____Drilling _____ Swabbing
_____ Workover _____ Plugging
__X__ Other (Explain_Frac Well_____

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on December 31, 1999, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature Jerry Kinzer

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

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

Subscribed and sworn before me this 25 day of August, 20 15

Duane Lester Notary Public

My Commission Expires 7-27-2017

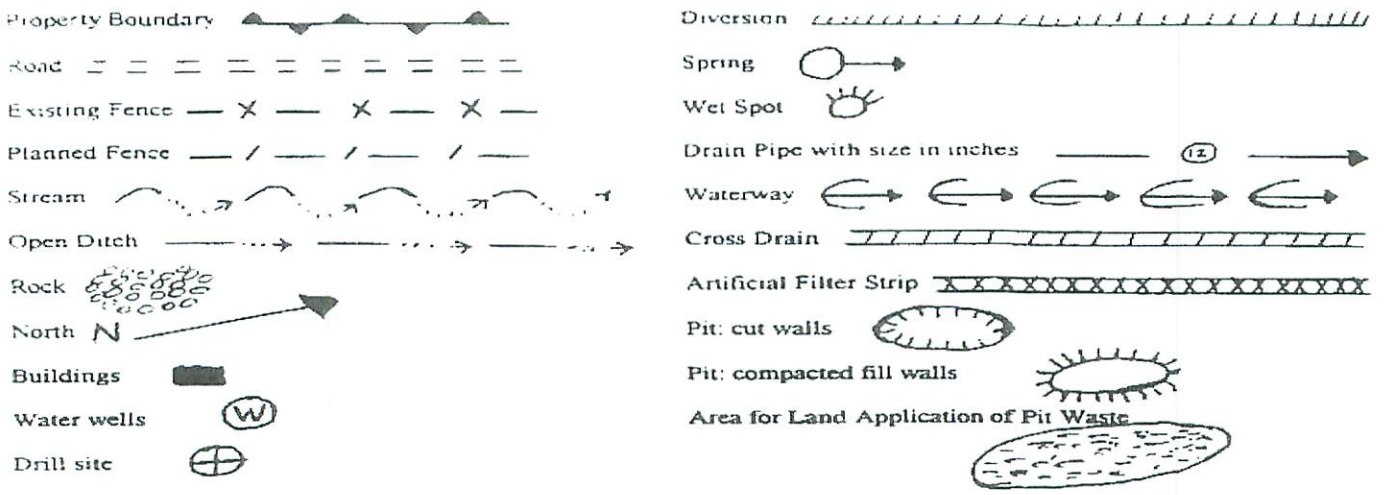
DUANE LESTER
NOTARY
PUBLIC
STATE AT LARGE, KENTUCKY

Received
Office of Oil & Gas
SEP 10 2015

DUANE LESTER
NOTARY
PUBLIC
STATE AT LARGE KENTUCKY

5901874W

LEGEND



Proposed Revegetation Treatment: Acres Disturbed 2 Prevegetation pH 7.0

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 1/3 Ton lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre or hydroseed

Seed Mixtures

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

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by:

Comments:

Title Inspector Date: 8-21-15

Field Reviewed? (✓) Yes ( ) No

Received
Office of Oil & Gas
SEP. 10 2015

5901874W

FORM WW-75
(REV. 9/94)

PRESCRIPTION NOT TO BURY
PRODUCTION OR GATHERING LINES

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

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

__X__ the surface

or

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

Acres 18.0
Watershed Tug Fork
District Magnolia
County Mingo
Public road access Rt. 194
Generally used farm name Donald Prater

(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- 59 - _____;(Well 1731)

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

__X__ On any part of the surface tract identified above:

or

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

From_____ To_____
From_____ To_____
From_____ To_____

(For execution by corporation, partnership, etc.)

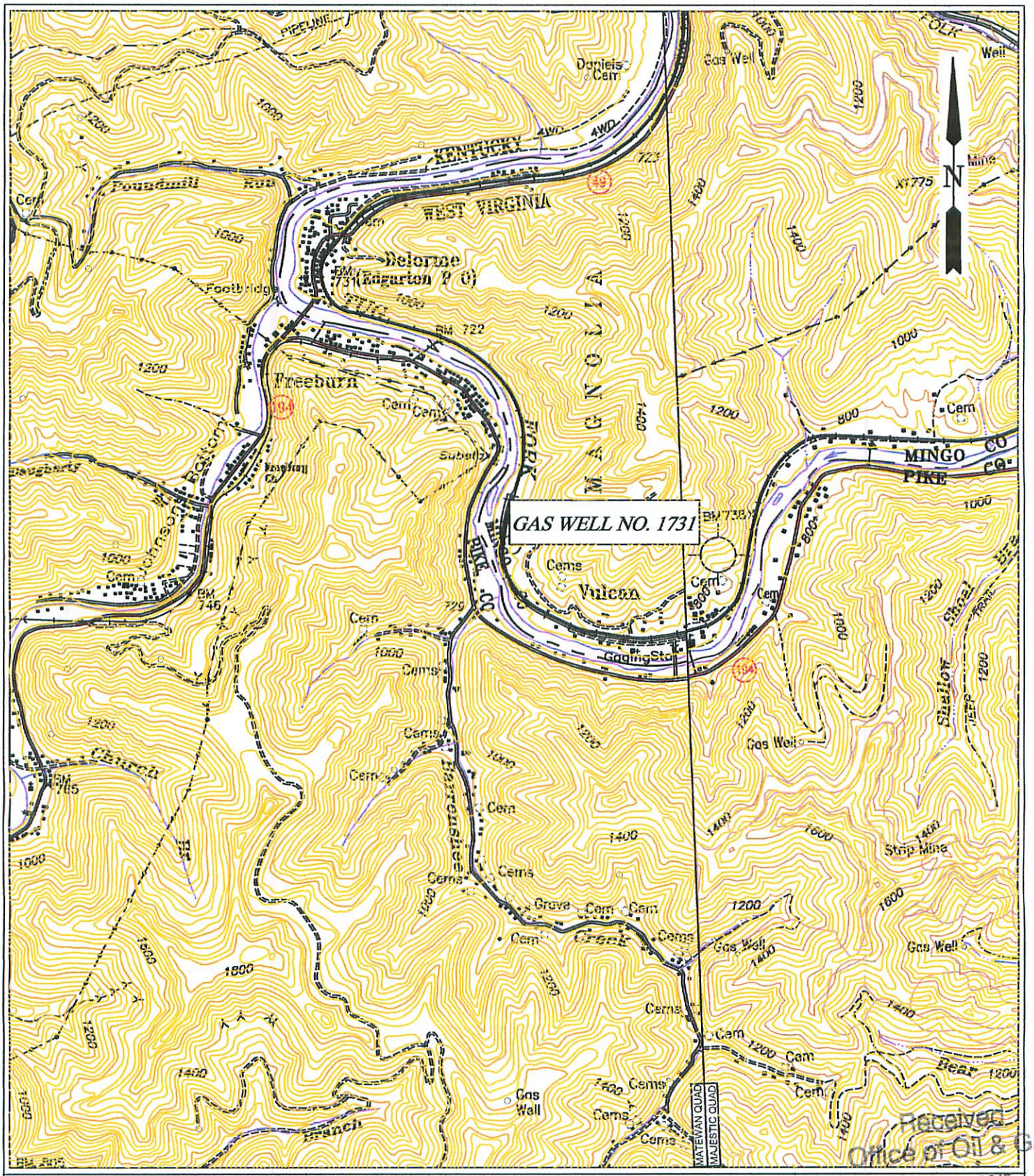
(For execution by natural persons)

Name: Donald Prater

By: Donald Prater _____ Date: 8-31-15
Signature

Its: _____ _____ Date: _____
Signature

5901874W



Received
Office of Oil & Gas
SEP 10 2015

B & B Engineering, LLC
P.O. Box 1596
Prestonsburg, KY 41653
Phone: (606) 285-3400

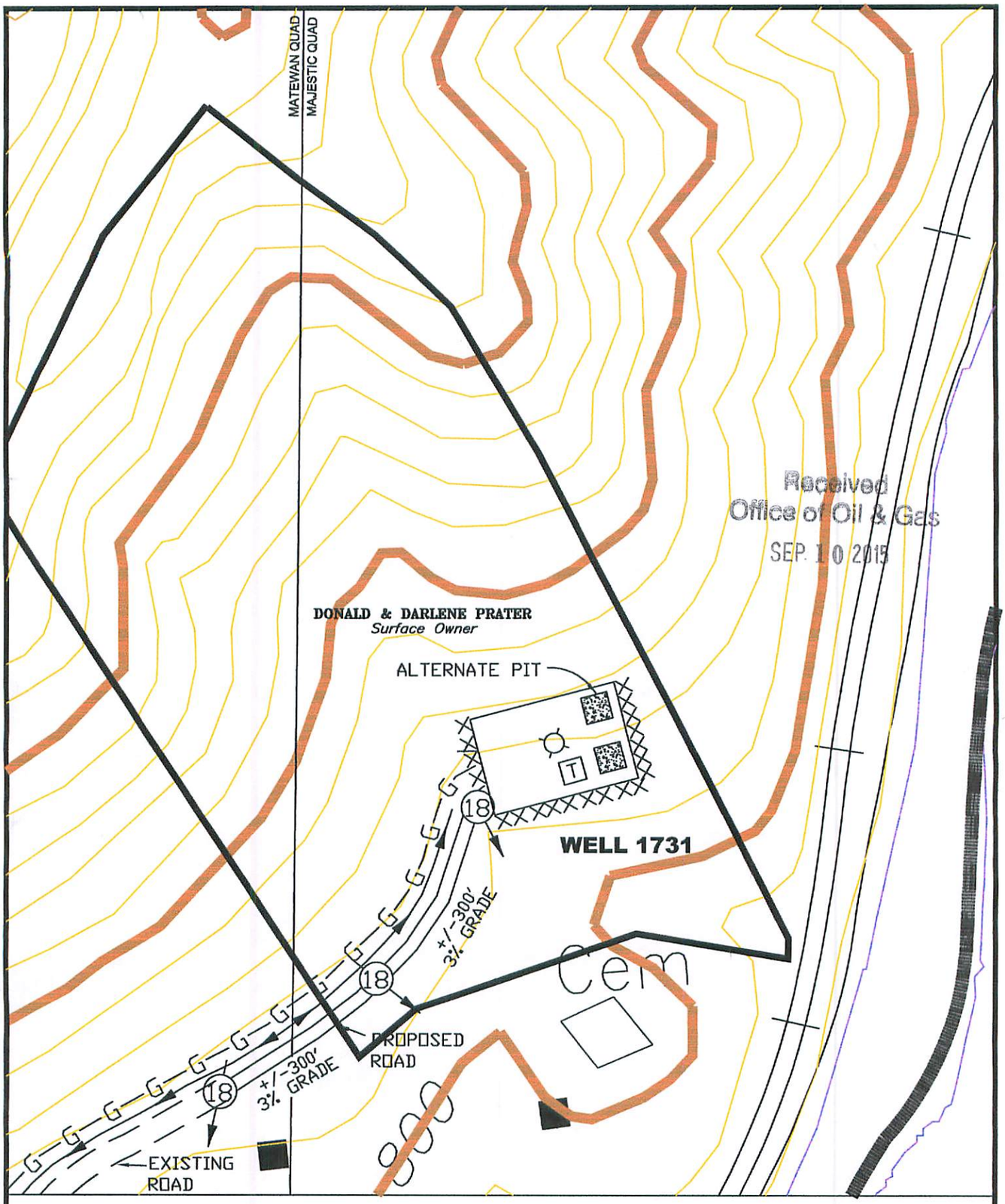
QUALITY NATURAL GAS, LLC.

LOCATION MAP

PROPOSED GAS WELL NO. 1731

QUAD: MAJESTIC
SCALE: 1" = 2000'
DATE: 08/25/2015
FILE NAME: WVAVIC1731.DWG

5901874W



Received
Office of Oil & Gas
SEP. 10 2015

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

STREAM		WATER WELL		STORAGE TANK	T
ROAD		PROPOSED WELL		SPRING	
EXISTING FENCE		FLOW LINE	G	PIT: FILL WALLS	
PLANNED FENCE		CROSS DRAIN		PIT: CUT WALLS	
OPEN DITCH		DRAIN PIPE	18	STORAGE	S
ROCK		FILTER STRIP		WASTE AREA	
BUILDING		DIVERSION DITCH			

B & B Engineering, LLC
P.O. Box 1596
Prestonsburg, KY 41653
Phone: (606) ~~285-3400~~ 874-7005

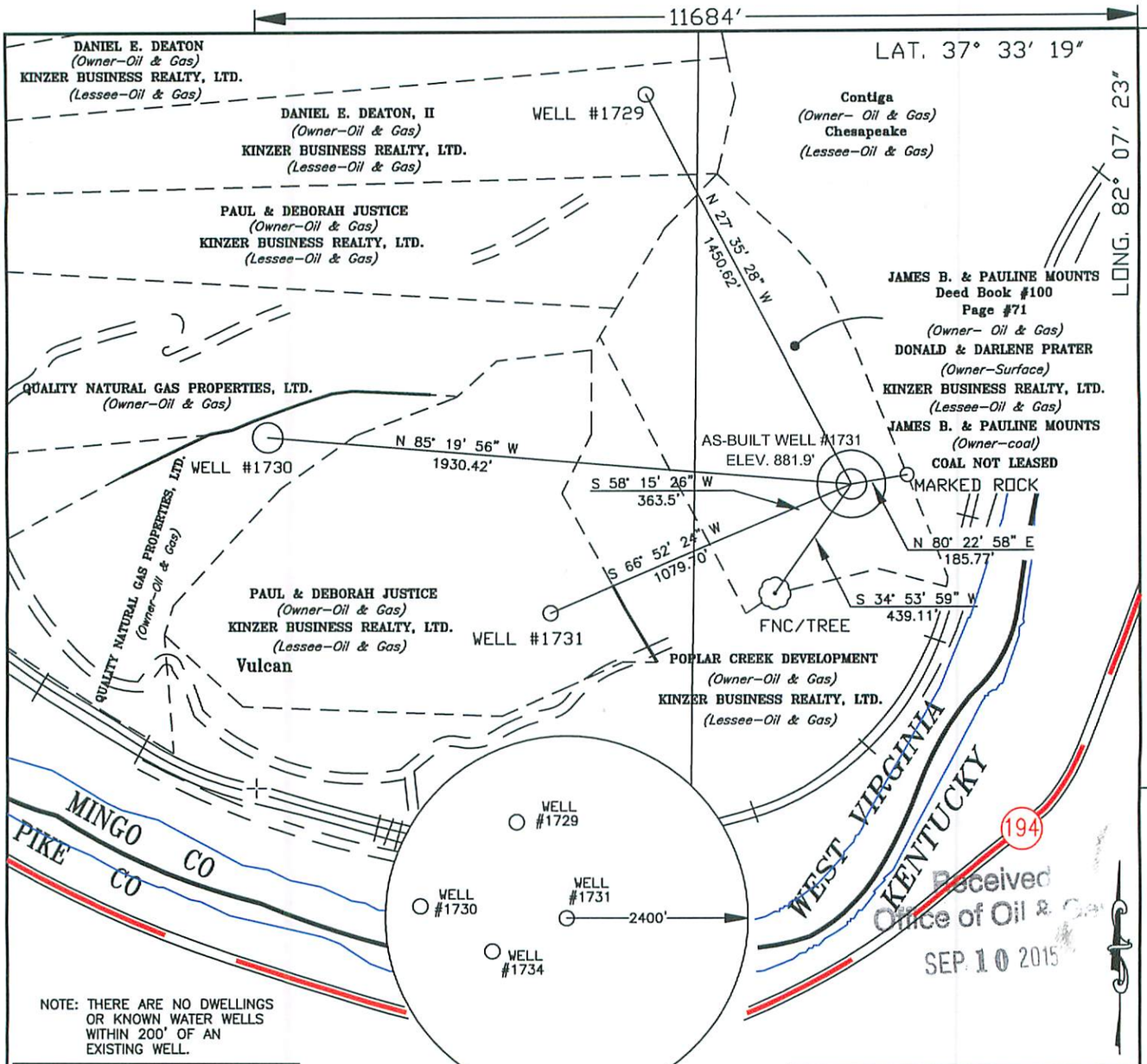
QUADRANGLE: MAJESTIC
COUNTY: MINGO
LEASE #: 846
DATE: 08/25/2015
SCALE: 1" = 200'
DRAWING FILE: WVARECPLAN1731.DWG

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

WELL SITE RECLAMATION PLAN
GAS WELL No. 1731

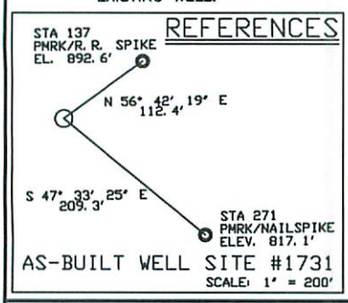
QUALITY NATURAL GAS, LLC.
P.O. Box 480
Allen, Kentucky 41601

5901874W



Received
Office of Oil & Gas
SEP 10 2015

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



State Plane
WV South Nad 27
N = 204,224
E = 1,674,388

Geographic Nad 27
LAT = 37° 33' 19"
LONG = 82° 07' 23"

UTM NAD 83
Zone 17 (Meter)
N = 4,157,096
E = 400,802

State Plane
WV South NAD 83
N = 204,266
E = 1,642,939

LEGEND

- DENOTES LOCATION WELL ON UNITED STATES TOPOGRAPHICAL MAPS
- PROPOSED WELL
- PLUGGED WELL
- EXISTING WELL
- SURVEY STATION
- TREE
- ROADS
- RAILROAD
- STREAM, DRAIN, CREEK

DRAWING No. WVA1731.DWG
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 2,500'
PROVEN SOURCE OF ELEVATION USGS B. M. MONUMENT # 722

WILLIAM J. BARROWS, JR. REGISTERED 17834 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

B & B Engineering, LLC
P.O. Box 1596
Prestonsburg, KY 41653
Phone: (606) 874-7005

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

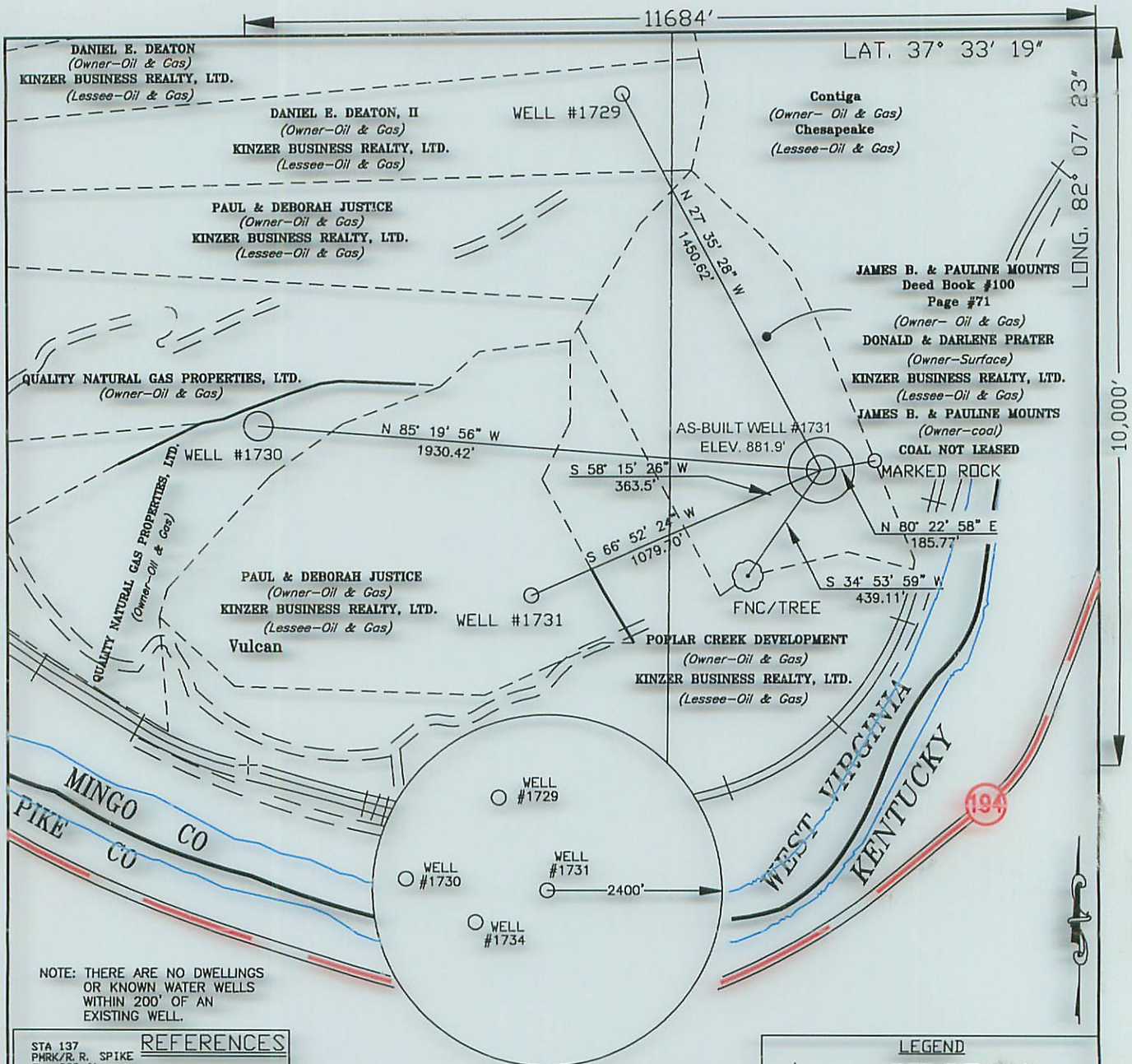
DATE: 08/06/15
OPERATOR'S WELL NO. 1731
API WELL NO. 47059018740000

47 -- 59 -- 01874N
STATE COUNTY PERMIT

WELL TYPE: OIL ____ GAS X LIQUID INJECTION ____ WASTE DISPOSAL ____
(IF 'GAS') PRODUCTION X OR STORAGE ____, DEEP ____ OR SHALLOW X
LOCATION: ELEVATION 882' WATER SHED TUG FORK of BIG SANDY RIVER
DISTRICT MAGNOLIA COUNTY MINGO
QUADRANGLE MAJESTIC
SURFACE OWNER DONALD PRATER ACREAGE +/- 20
OIL & GAS ROYALTY OWNER JAMES B. & PAULINE MOUNTS LEASE ACREAGE +/- 20
LEASE No. 846

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

PLUG AND ABANDON ____ CLEAN OUT AND REPLUG ____
TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 4397'
WELL OPERATOR QUALITY NATURAL GAS, LLC DESIGNATED AGENT JAMES HILL
ADDRESS P. O. BOX 480 ADRESS HC 71 Rt. 4, BOX 87A
Allen, Kentucky 41601 WHARNCLIFFE, WV 25651



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

REFERENCES

STA 137
PMRK/R. R. SPIKE
EL. 892.6'

N 56° 42' 19" E
112.4'

S 47° 33' 25" E
209.3'

STA 271
PMRK/NAILSPIKE
ELEV. 817.1'

AS-BUILT WELL SITE #1731
SCALE: 1" = 200'

State Plane
WV South Nad 27
N = 204,224
E = 1,674,388

Geographic Nad 27
LAT = 37° 33' 19"
LONG = 82° 07' 23"

UTM NAD 83
Zone 17 (Meter)
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- DENOTES LOCATION WELL ON UNITED STATES TOPOGRAPHICAL MAPS
- PROPOSED WELL
- PLUGGED WELL
- EXISTING WELL
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- TREE
- ROADS
- RAILROAD
- STREAM, DRAIN, CREEK

DRAWING No. WVA1731.DWG

SCALE 1" = 500'

MINIMUM DEGREE OF ACCURACY 1 IN 2,500'

PROVEN SOURCE OF ELEVATION USGS B. M. MONUMENT # 722

WILLIAM J. BARROWS, JR. REGISTERED 17834 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

WJB

B & B Engineering, LLC
P.O. Box 1596
Prestonsburg, KY 41653
Phone: (606) 874-7005

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

DATE: 08/06/15
OPERATOR'S WELL NO. 1731
API WELL NO. 47059018740000

47 -- 59 -- 01874W
STATE COUNTY PERMIT

WELL TYPE: OIL ____ GAS X LIQUID INJECTION ____ WASTE DISPOSAL ____
(IF 'GAS') PRODUCTION X OR STORAGE ____, DEEP ____ OR SHALLOW X

LOCATION: ELEVATION 882' WATER SHED TUG FORK of BIG SANDY RIVER
DISTRICT MAGNOLIA COUNTY MINGO
QUADRANGLE MAJESTIC

SURFACE OWNER DONALD PRATER ACREAGE +/- 20
OIL & GAS ROYALTY OWNER JAMES B. & PAULINE MOUNTS LEASE ACREAGE +/- 20
LEASE No. 846

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

PLUG AND ABANDON ____ CLEAN OUT AND REPLUG ____

TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 4397'

WELL OPERATOR QUALITY NATURAL GAS, LLC DESIGNATED AGENT JAMES HILL
ADDRESS P. O. BOX 480 ADRESS HC 71 Rt. 4, BOX 87A
Allen, Kentucky 41601 WHARNCLIFFE, WV 25651

DRAWING No. WVA1731.DWG
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 2,500'
PROVEN SOURCE OF ELEVATION USGS B. M.
MONUMENT # 722

B & B Engineering, LLC
P.O. Box 1596
Prestonsburg, KY 41653
Phone: (606) 874-7005

WILLIAM J. BARROWS JR.
REGISTERED
17834
STATE OF
WEST VIRGINIA
PROFESSIONAL ENGINEER

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

STATE 47 -- COUNTY 59 -- PERMIT 01874W

API WELL NO. 4705901874000
OPERATOR'S WELL NO. 1731
DATE: 08/06/15

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

LOCATION: ELEVATION 882' WATER SHED TUG FORK of BIG SANDY RIVER
DISTRICT MAGNOLIA COUNTY MINGO
QUADRANGLE MAJESTIC

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PLUG AND ABANDON ____ CLEAN OUT AND REPLUG ____

TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 4397'

WELL OPERATOR QUALITY NATURAL GAS, LLC DESIGNATED AGENT JAMES HILL
ADDRESS P. O. BOX 480 ADDRESS HC 71 Rt. 4, BOX 82A
Allen, Kentucky 41601 WHARNCLIFFE, WV 25651

5901874w

FORM WW2-B1

West Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

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

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

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

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

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

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

_____ Contractor Name — See Note Below:
_____ Well operator's private laboratory

Well Operator	**Quality Natural Gas, LLC**
Address	**P.O. Box 480**
	Allen, KY 41601
Telephone	**(606) 874-8041**

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.

Received
Office of Oil & Gas
SEP 10 2013

NOTE:
There appears to be no water sources within 1000' of this proposed location; therefore, no water samples to analyze.

WW-2A Coal Waiver

N/A

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Mingo

Operator Quality Natural Gas, LLC Operator's Well Number 1731

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

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

WAIVER

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

FOR EXECUTION BY A NATURAL PERSON

James B Mounts Date 6-4-07

Signature

James B. Mounts

FOR EXECUTION BY A CORPORATION, ETC

Company Name _____

By _____

Its _____

_____

Signature Date

NOT APPLICABLE

Received
Office of Oil & Gas
SEP 10 2015

N/A

James B. Mounts

10940 Lemarie Drive
Sharonville, OH 45241

May 21, 2007

NOT

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

Quality Natural Gas, LLC
Gas Well Application
Well Number 1731 WV State Plane Coordinates N 204,241.49
E 1,674,381.49

Dear Mr. Smith:

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

Date: 6-4-07

James B. Mounts

By: James B Mounts

NOT APPLICABLE

Received
Office of Oil & Gas
SEP 10 2015