



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

June 12, 2013

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-3906358, issued to VIKING ENERGY CORPORATION, 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: L.S. HAYNES #2
Farm Name: PINKERTON, MICHAEL
API Well Number: 47-3906358
Permit Type: Vertical Well
Date Issued: 06/12/2013

Form: WW - 2B

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

1) Well Operator Viking Energy, Inc. 51440 039 Union Charleston
Operator ID County District Quadrangle

2) Operators Well Number: L. S. Haynes #2 3) Elevation: 852.11'

4) Well Type: (a) Oil _____ or Gas X
 (b) If Gas: Production X Underground Storage _____
 Deep _____ Shallow X

5) Proposed Target Formation(s): Brea, Welch, Huron & Marcellous Shales

6) Proposed Total Depth: _____ Feet

7) Approximate fresh water strata depths: 140'

8) Approximate salt water depths: 1,600'

9) Approximate coal seam depths: None of Record

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

11) Describe proposed well work Drill new well and stimulate the formations listed above

Handwritten signature and date: 5-20-13

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"	LS	32 lb/ft	30' <i>363 ft</i>	30' <i>363 ft</i>	Cement to surface
Fresh Water	9 5/8"	LS	26 lb/ft	30'	30'	Cement to surface <i>X 420'</i>
Coal						
Intermediate	7"	LS	17 lb/ft	1,960'	1,960'	100 sacks <i>175 30' intervals</i>
Production	4 1/2"	J55	10.5 lb/ft	4,870'	4,870'	100 sacks
Tubing						
Liners						

Packers: Kind _____
 Sizes _____
 Depths Set _____

Received
 MAY 23 2013
 Office of Oil and Gas
 Dept. of Environmental Protection
06642013

WW2-A
Revised 8/02

1) Date: May 15, 2013
2) Operator's Well Number
L. S. Haynes #2

3) API Well No.: 47 - 039 -
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 Michael Pinkerton *W*
Address P. O. Box 13366
Sissonville, WV 25360
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Terry Urban
Address Charleston, WV
Telephone 304-549-5915

5) (a) Coal Operator
Name Coal not operated
Address _____
(b) Coal Owner(s) with Declaration *W*
Name Michael Pinkerton
Address P. O. Box 13366
Sissonville, WV 25360
Name _____
Address _____
(c) Coal Lessee with Declaration
Name N/A
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:

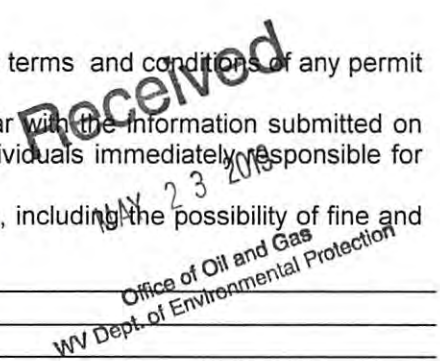
- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

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.

Well Operator Viking Energy, Inc.
By: *Michael Pinkerton*
Its: President
Address P. O. Box 13366
Sissonville, WV 25360
Telephone 304-988-1161



Subscribed and sworn before me this 15th day of May, 2013

Notary Public Notary Public
My Commission Expires 9-8-2019

3906358

WW-2A Surface Waiver

SURFACE OWNER WAIVER

County Kanawha Operator Viking Energy, inc. Operator well number L. S. Haynes #2

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
Department of Environmental Protection
601 57th St. SE
Charleston, Wv 25304
(304) 926-0450

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 and as described therein.

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

FOR EXECUTION BY A NATURAL PERSON

FOR EXECUTION BY A CORPORATION, ETC.

Signature: Michael Pinkerton

Date: 5-15-13

Company Name:
By:
Its:
Date:

Signature

Date

06/14/2013

Received stamp: MAY 17 2013, Office of Oil and Gas, WV Dept. of Environmental Protection

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Kanawha

Operator Viking Energy, Inc. Operator's Well Number L. S. Haynes #2

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 _____ / 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

Michael Pinkerton Date 5-15-13
Signature

FOR EXECUTION BY A CORPORATION, ETC.

Company Name _____
By _____ Date _____
Its _____
Signature _____ Date _____

Received
MAY 23 2013
Office of Oil and Gas
WV Dept. of Environmental Protection

Operator's Well Number Haynes #2

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
L. S. Haynes	Columbia Gas Transmission, Corp	1/8	187/281
Columbia Gas Transmission, Corp.	Columbia Natural Resources, Inc.	Assignment	125/247
Columbia Natural Resources, Inc.	Viking Energy, Inc.	Assignment	126/557

Well Operator: Viking Energy, Inc.
 By: Michael Pinkerton
 Its: President

Received

MAY 23 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

06/14/2013

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:

<u>X</u>	Contractor Name	Strum Environmental Services
	Well operator's private laboratory	321 4 th Ave. Charleston, WV.
	Well Operator	Viking Energy, Inc.
	Address	P. O. Box 13366
		Sissonville, WV 25360
	Telephone	304-988-1161

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

MAY 23 2013

Haynes #2 new well
property owners to notify (Water wells)

SURFACE OWNER	MAP/PARCEL	ADDRESS	DATE NOTICE SENT	DATE GREEN CARD RECEIVED	DATE OF OWNER RESPONSE TO LETTER	DATE WATER WAS TESTED	DATE TEST RESULTS WERE RECEIVED
Kathy Lynn King	19/1	5465 Sissonville Dr, Charleston, WV 25312	3/4/2013	3/6/2013	No Response		
Clayton Long, Jr.	19/2	5467 Sissonville Dr, Charleston, WV 25312	3/4//13	3/6/2013	No Response		
William R. Whittington	19/3	Allens Rt Box 75, Sissonville, WV 25320	3/4/2013	3/6/2013	No Response		
Justin Dawson	19/4	5440 Sissonville, Dr, Charleston, WV 25312	3/4/2013	3/6/2013	No Response		
Neda Fizer	19/5	5526 Sissonville, Dr, Charleston, WV 25312	3/4/2013	3/6/2013	No Response		
Carl Campbell, Jr. & Patrick K. Campbell	19,13/1.1,127	91 Opal Hill Lane, Charleston, WV 25312	3/4/2013	3/6/2013	No Response		
Ray & Delores Cavender	19/52,52.1	5420 Sissonville, Dr, Charleston, WV 25312	3/4/2013	3/7/2013	No Response		
Ray & Delores Cavender	19/53.1	60 Moonridge Dr, Charleston, WV 25312	3/4/2013	3/7/2013	No Response		
Timothy R. Cavender	19/53.2	5416 Sissonville, Dr, Charleston, WV 25312	3/4/2013	3/7/2013	No Response		
Paul F. & Neda G. Fizer	19/55,56,56.2	231 Moonridge Dr, Charleston, WV 25312	3/4/2013	3/6/2013	No Response		
Steven & Delane Smith	19,13/69,66,67,134,135	1522 Wolfpen Dr, Charleston, WV 25312	3/4/2013	3/6/2013	No Response		
Gregory Pennington	19/58	5439 Sissonville, Dr, Charleston, V 25312	3/4/2013	3/6/2013	No Response		
Johnny K. Haynes	19/60	5444 Sissonville, Dr, Charleston, WV 25312	3/4/2013	3/8/2013	Water well to be tested		
Christopher Derrick, Life estate, Barry M. & Connie Derrick, remainder	19/62	4631 Sissonville Rd, Charleston, WV 25312	3/4/2013	3/8/2013	No Response		

Received
 MAY 23 2013
 WV Dept. of Oil and Gas
 Office of Environmental Protection

3906358

Haynes #2 new well
property owners to notify (Water wells)

Brenda Joyce Vittello Burda	19/64	820 Crawford Run Rd, Cheswick, PA 15024	3/4/2013	3/6/2013 No Response
Alisa Michelle Derrick	19/65	5554 Sissonville Dr, Charleston, WV 25312	3/4/2013	3/8/2013 No Response
William L. & Almalee Goff	13/132	5664 Sissonville Dr, Charleston, WV 25312	3/4/2013	3/8/2013 No Response
Joan C. Ypung	13/133	5556 Sissonville Dr, Charleston, WV 25312	3/4/2013	3/6/2013 No Response
Gregory S. Derrick	13/128	5555 Sissonville Dr, Charleston, WV 25312	3/4/2013	3/8/2013 No Response
Russell Cox, Jr	18/16	5207 Indiana Street, South Charleston, WV 25309	3/4/2013	3/6/2013 No Response

Received
MAY 23 2013
Office of Oil and Gas
WV Dept. of Environmental Protection

85490 b2
39 06-358

3906358

FORM WW-9
Rev. 02/03

Page _____ of _____
API Number 47 - 039
Operator's Well No. L. S. Haynes #2

STATE OF WEST VIRGINIA
DEPARTMENT 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: Viking Energy, Inc. OP Code: 51440

Watershed Tuppers Creek Quadrangle Pocatalico 551

Elevation 852.11 County Kanawha 39 District Union 09

Description of anticipated Pit Waste: Frac fluid

Will a synthetic liner be used in the pit? yes 30 mil hence

Proposed Disposal Method For Treated Pit Wastes:
AS 5-20-13
 Land Application
 Underground Injection (UIC Permit Number _____)
 Reuse (at API Number _____)
 Offsite Disposal (Supply form WW-9 for disposal location)
 Other (Explain _____)

Proposed Work For Which Pit Will Be Used:
 Drilling Swabbing
 Work over Plugging
 (Explain _____)

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.

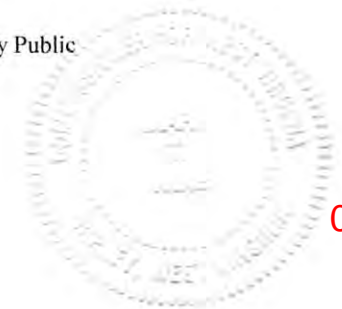
Company Official Signature Michael Pinkerton
Company Official (Typed Name) Michael Pinkerton
Company Official Title President

Received
MAY 23 2013
Office of Oil and Gas
WV Dept. of Environmental Protection

Subscribed and sworn before me this 15th day of May, 2013

Mark T. [Signature] Notary Public

My commission expires 9-8-2019



06/14/2013

LEGEND

- Property Boundary
- Road
- Existing Fence
- Planned Fence
- Stream
- Open Ditch
- Rock
- North
- Buildings
- Water wells
- Drill site

- Diversion
- Spring
- Wet Spot
- Drain Pipe with size in inches
- Waterway
- Cross Drain
- Artificial Filter Strip
- Pit: cut walls
- Pit: compacted fill walls
- Area for Land Application of Pit Waste

Proposed Revegetation Treatment: Acres Disturbed 1ac Prevegetation pH N/A

Lime 3 Tons/acre or to correct to pH 6.5

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

Mulch 2 tons hay mulch Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchard Grass	40#	SAME AS AREA I	
Perennial Rye	40#		
Landine Clover	40#		

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *Henry W. Miller*

Comments: _____

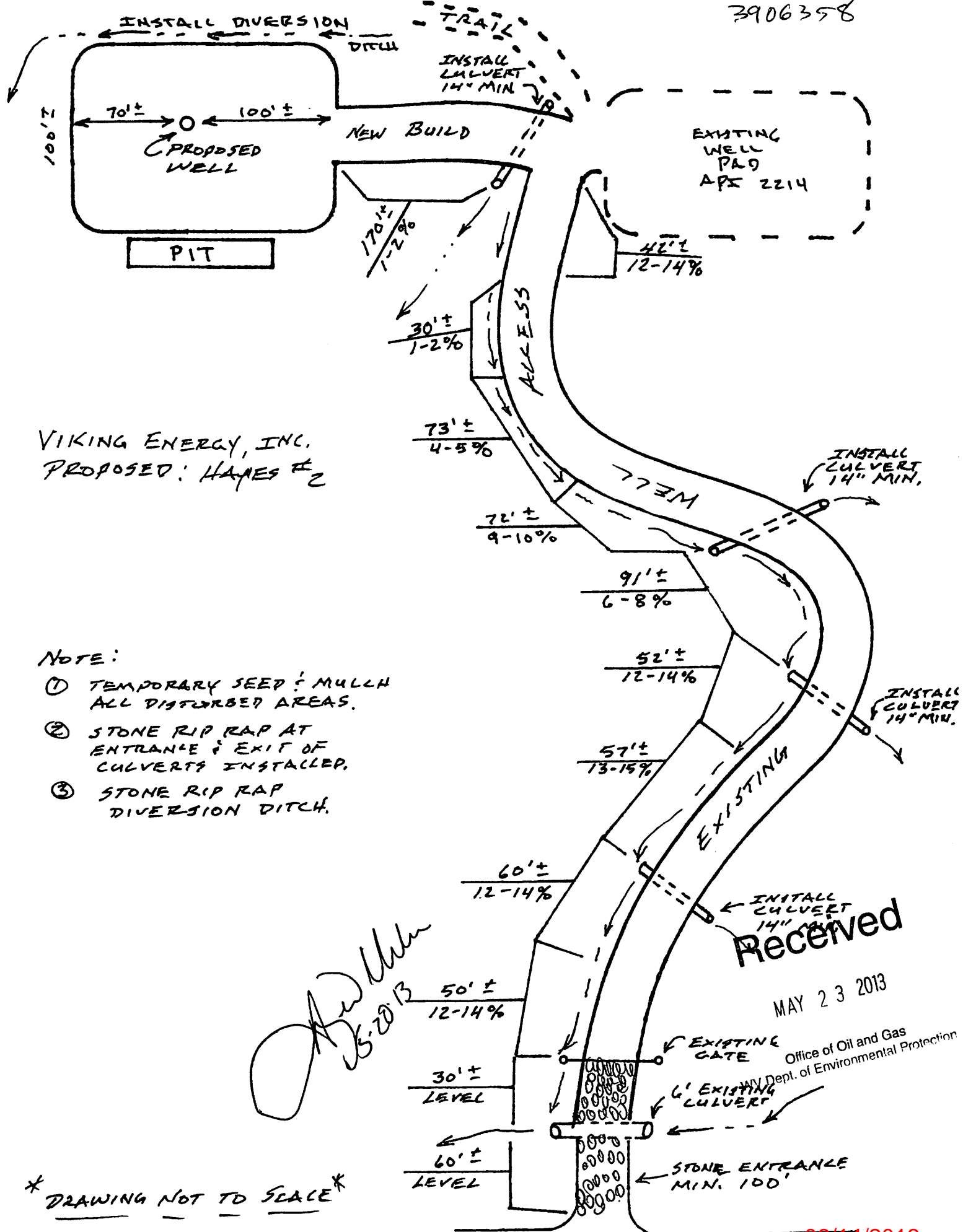
Title: *Inspector Oil & Gas*

Date: *5-20-13*

Field Reviewed? Yes No

Received
MAY 23 2013
Office of Oil and Gas
WV Dept. of Environmental Protection
06/14/2013

3906358



VIKING ENERGY, INC.
 PROPOSED: HAPES # 2

NOTE:

- ① TEMPORARY SEED & MULCH ALL DISTURBED AREAS.
- ② STONE RIP RAP AT ENTRANCE & EXIT OF CULVERTS INSTALLED.
- ③ STONE RIP RAP DIVERSION DITCH.

Handwritten signature and date:
 5-20-13

* DRAWING NOT TO SCALE *

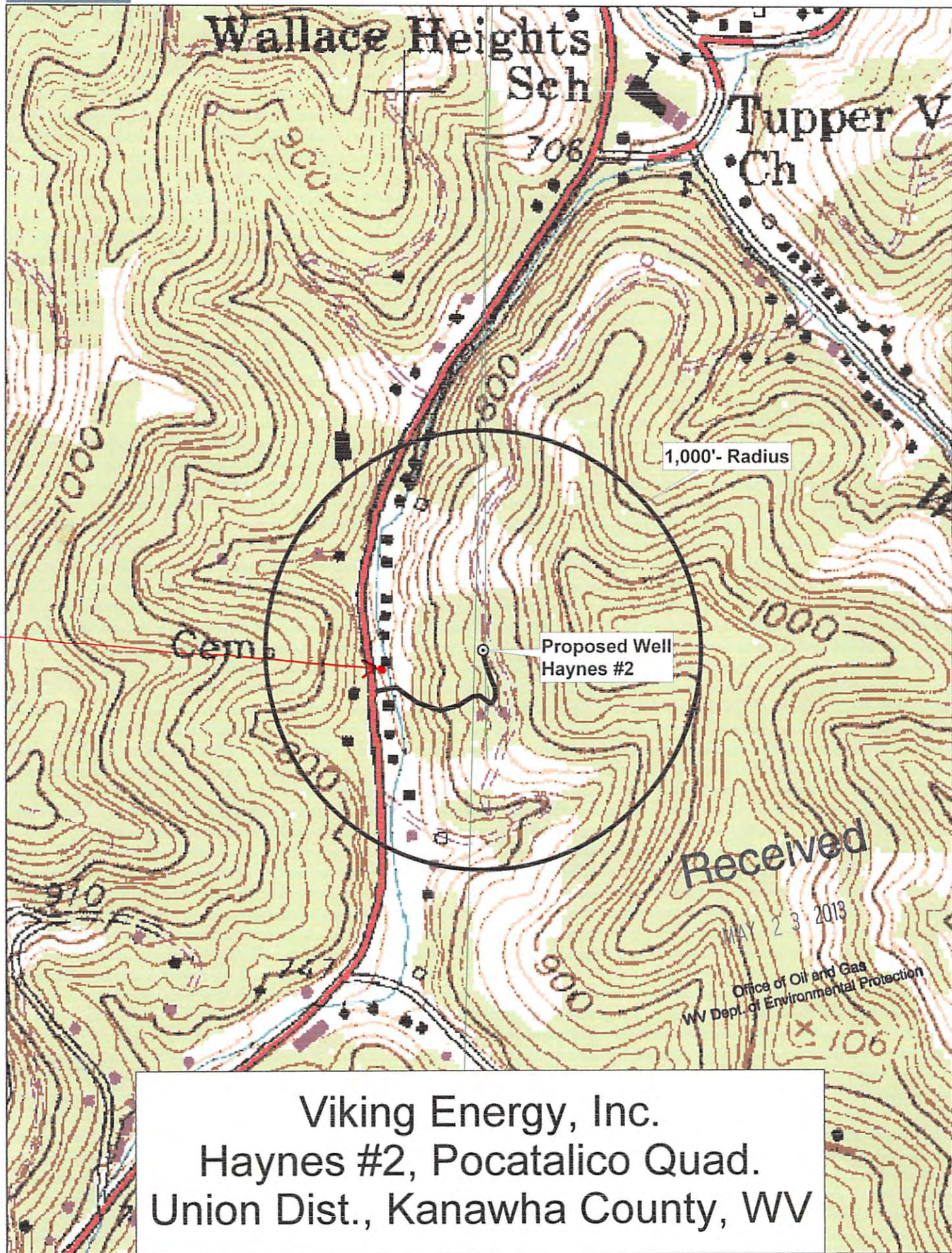
Received

MAY 23 2013

Office of Oil and Gas
 W. Va. Dept. of Environmental Protection

STATE ROUTE 21
 ← TO SISSONVILLE TO CHARLESTON

06/14/2013



water well to be tested

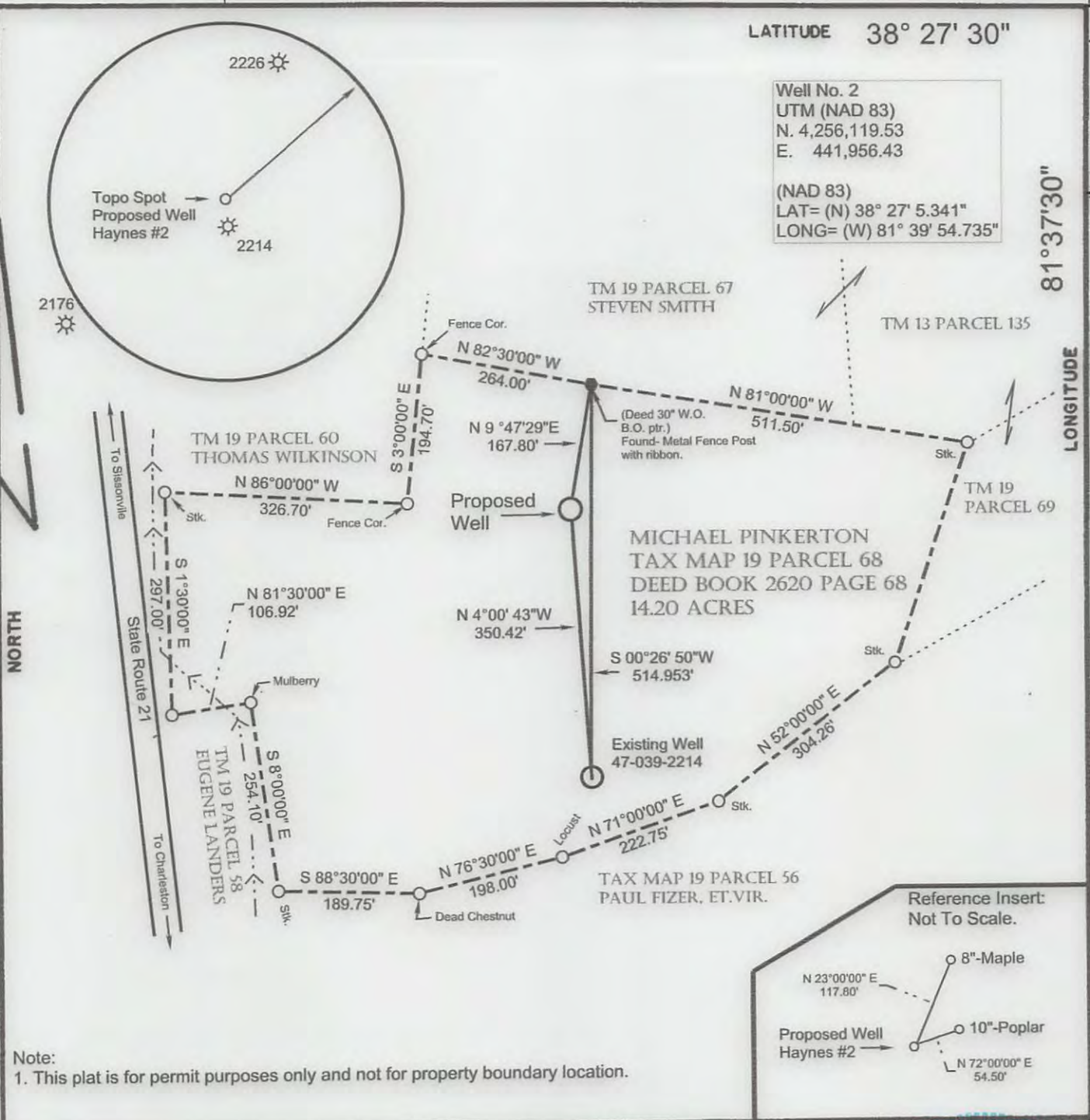
Received
MAY 23 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

Viking Energy, Inc.
Haynes #2, Pocatalico Quad.
Union Dist., Kanawha County, WV

2,549'

NORTH



Well No. 2
 UTM (NAD 83)
 N. 4,256,119.53
 E. 441,956.43

(NAD 83)
 LAT= (N) 38° 27' 5.341"
 LONG= (W) 81° 39' 54.735"

Note:
 1. This plat is for permit purposes only and not for property boundary location.

FILE NO. C:WES13-01.TRV
 DRAWING NO. WES13-W01
 SCALE 1"=200'
 MINIMUM DEGREE OF ACCURACY 1' IN 200'
 PROVEN SOURCE OF ELEVATION Well 2214

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) *[Signature]*
 R. P. E. _____ L. L. S. 1423

Reference Insert: Not To Scale.

8"-Maple
 10"-Poplar
 Proposed Well Haynes #2

WILLIAM L. WOOD
 LICENSED
 No. 1423
 STATE OF WEST VIRGINIA
 PROFESSIONAL SURVEYOR

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



DATE November 11, 2012
 OPERATOR'S WELL NO. 2
 API WELL NO. 47-039-06358
 STATE COUNTY PERMIT

Division of Environmental Protection
 Office of Oil & Gas

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___)
 LOCATION: ELEVATION 852.11' WATER SHED Unnamed tributary to Tupper Branch
 DISTRICT Union COUNTY Kanawha
 QUADRANGLE Pocatatico
 SURFACE OWNER Michael Pinkerton ACREAGE 14.20 acres
 OIL & GAS ROYALTY OWNER Viking Energy, Inc. LEASE ACREAGE 14.200 acres
 LEASE NO. _____
 PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR
 STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW
 FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Berea and Welch ESTIMATED DEPTH _____
 WELL OPERATOR Viking Energy, Inc. DESIGNATED AGENT Michael Pinkerton
 ADDRESS P.O. Box 13366 ADDRESS Same as operator
 Sissonville, WV 25360

06/14/2013