



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 29, 2016

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-9502340, issued to ALLIANCE PETROLEUM 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: PIGNUT HICKORY 1 V-1
Farm Name: HOLLAWAY, HAROLD J JR & DEJ

API Well Number: 47-9502340

Permit Type: Vertical Well

Date Issued: 01/29/2016

Promoting a healthy environment.

01/29/2016

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.

CK 53384
6500

WW - 2B
(Rev. 8/10)

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

1) Well Operator: Alliance Petroleum Corporation 305762 Tyler Ellsworth-2 Shirley 7.5' 607
 _____ Operator ID County District Quadrangle

2) Operator's Well Number: Pignut Hickory 1 V-1 3) Elevation: 1176'

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

5) Proposed Target Formation(s): Rhinestreet Proposed Target Depth: 5800'

6) Proposed Total Depth: 5910' Feet Formation at Proposed Total Depth: Devonian Shale

7) Approximate fresh water strata depths: 40' to 200'

8) Approximate salt water depths: 1400' to 1930'

9) Approximate coal seam depths: Pittsburgh Coal - 810' to 812'

10) Approximate void depths, (coal, Karst, other): N/A

DH4
12-30-15

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

12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)

Drill and complete a conventional vertical well. Fracture 2 stages in 4 zones in the Rhinestreet - Alexander - Riley - Benson Shale.
1500 bbls in each stage - slick water and sand or foam fracture.

13) **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"	H-40	36.0 #/ft	32'		
Fresh Water	9-5/8"	H-40	26.0 #/ft		420'	CTS - 184 Cu.Ft.
Coal						
Intermediate	7"	J-55	17.0 #/ft		1960'	CTS - 370 Cu.Ft.
Production	4-1/2"	J-55	10.5 #/ft		5870'	158 Cu.Ft.
Tubing	1-1/2"	J-55	2.75 #/ft		5500'	
Liners						

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Office of Oil and Gas
DEC 30 2015
WV Department of
Environmental Protection

Packers: Kind: _____
 Sizes: _____
 Depths Set _____

WW-2A
(Rev. 6-14)

1.) Date: December 23, 2015
2.) Operator's Well Number Pignut Hickory 1 V-1
State County Permit
3.) API Well No.: 47- 095 -

**STATE OF WEST VIRGINIA
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 Holloway, Harold L. JR & Deborah C. W
Address 12 Bridgeway
Middlebourne, WV 26149
(b) Name _____
Address _____
(c) Name _____
Address _____
5) (a) Coal Operator Name _____
Address _____
(b) Coal Owner(s) with Declaration Name _____
Address _____
(c) Coal Lessee with Declaration Name _____
Address _____
6) Inspector Derek M. Haught
Address P.O. Box 85
Smithville, WV 26178
Telephone (304) 206-7613

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

 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: Alliance Petroleum Corporation
By: Jeffrey Sayger
Its: Designated Agent
Address: 16 Fox Hill Terrace
Parkersburg, WV 26101
Telephone: (304) 422-9922
Email: jeff-sayger@alliancepetroleum.com

Subscribed and sworn before me this 30 day of December, 2015

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Office of Oil and Gas

DEC 30 2015

My Commission Expires _____
Oil and Gas Privacy Notice



Notary Public
Tim MacLauchlan
Notary Public, State of Ohio
My Commission Expires 04/14/2018
WV Department of Environmental Protection

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 DEP's Chief Privacy Officer at depprivacyofficer@wv.gov

01/29/2016

SURFACE OWNER WAIVER

County Tyler

Operator
Operator well number

Alliance Petroleum Corporation
Pignut Hickory 1 V-1

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 a 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

FOR EXECUTION BY A CORPORATION, ETC.

Harold L. Hollaway Jr.
Deborah C. Hollaway
Signature
Harold L. Hollaway Jr.
DEBORAH C. HOLLAWAY

Date *12.29.15*

Company Name _____
By _____
Its _____
Date _____

Print Name

Signature

Date

WW-2A Coal Waiver

COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Tyler
Operator Alliance Petroleum Corporation

Operator's Well Number Pignut Hickory 1 V-1

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 WV 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. Mail objections to:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 extension 1654

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

FOR EXECUTION BY A CORPORATION, ETC.

Signature Date _____

Company Name _____
By _____
Its _____ Date _____

Signature Date _____

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DEC 30 2015

WV Department of
Environmental Protection

WW-2A1
(Rev. 1/11)

Operator's Well Number Pignut Hickory 1 V-1

**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
Marjorie R. Asher Logston and Ernest Glenn Logston, her husband	PetroEdge Energy LLC	Minimum 12.5%	385/705
Ridgetop Capital II, LP	PetroEdge Energy LLC	Minimum 12.5%	387/206
Ridgetop Capital, LP	PetroEdge Energy LLC	Minimum 12.5%	387/208
Patricia Irene Asher McCarley and David McCarley, her husband	PetroEdge Energy LLC	Minimum 12.5%	388/332
Inez R. Lush and Frank Lush, her husband	PetroEdge Energy LLC	Minimum 12.5%	388/354
Daniel Clair Asher, a single man	PetroEdge Energy LLC	Minimum 12.5%	388/358
Myron C. Ferguson, acting as Trustee for the Ferguson Family Revocable Living Trust	PetroEdge Energy LLC	Minimum 12.5%	389/34
PetroEdge Energy LLC	David E. Bowyer		434/378
David E. Bowyer	Statoil USA Onshore Properties Inc		476/792
Statoil USA Onshore Properties Inc	Alliance Petroleum Corporation		Unrecorded Farmout.

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources
- WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator:
By: Its:

Alliance Petroleum Corporation

Designated Agent

Jeffrey Scapin

01/29/2016

ASSIGNMENT AND CONVEYANCE

STATE OF WEST VIRGINIA §

COUNTY OF TYLER §

THIS ASSIGNMENT AND CONVEYANCE (this "Assignment"), is made and effective as of 8:00AM EST **January 21, 2016**. **Statoil USA Onshore Properties Inc.**, whose address is 2103 CityWest Boulevard Suite 800, Houston, TX 77042, shall hereinafter be called "Grantor." For \$10.00 and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound by this instrument, Grantor hereby ASSIGNS, TRANSFERS, and CONVEYS to **Alliance Petroleum Corporation**, whose address is 4150 Belden Village Ave. NW, Suite 410, Canton, OH 44718-2553, and who shall hereinafter be called "Grantee", the following described properties, rights and interests located in Tyler County, West Virginia:

All of Grantor's right, title and interest in the leases listed in Exhibit "A" ("Leases") attached hereto and made a part hereof, INsofar AND ONLY INsofar as the Leases cover the drilling unit identified in Exhibit "B" attached hereto and made a part hereof and only as to the depths specified in Exhibit "C" (the "Oil and Gas Properties");

SAVE AND EXCEPT, with respect to the Oil and Gas Properties, Grantor excepts from this Assignment and reserves to itself an overriding royalty interest (the "Retained Overriding Royalty"), payable out of all oil and gas, casinghead gas, condensate and other liquid or gaseous hydrocarbons (the "Hydrocarbons") produced, saved and sold from the Oil and Gas Properties, equal to the difference between (a) Twenty-Five Percent (25%) and (b) all lease and leasehold estate burdens affecting or burdening Grantor's interest in the Leases as of the effective date of this Assignment, subject to a maximum Retained Overriding Royalty of Ten Percent (10%), delivering to Grantee no less than a seventy-five percent (75%) Net Revenue Interest on an 8/8ths basis of all of the Hydrocarbons produced and saved from or attributable to the unit therefor and to the Leases to the extent included within such unit. The overriding royalty interest reserved by Assignor shall be subject to proportionate reduction if it is determined that the Leases cover less than 100% of the oil and gas mineral estate in the Lands.

The Oil and Gas Properties do not include claims, choses in action and similar rights to payment or performance, arising, occurring or existing in favor of Grantor prior to the date of this Assignment or arising out of the ownership or operation of the Oil and Gas Properties prior to the date of this Assignment, including without limitation all contract rights, claims, receivables, payables, revenues, recoupment rights, recovery rights, accounting adjustments, mispayments, erroneous payments, or other claims of any nature relating and accruing to any time period prior to the date of this Agreement.

TO HAVE AND TO HOLD the Oil and Gas Properties unto Grantee, its successors and assigns, forever. Grantor does hereby warrant, in accordance with the Farmout Agreement, that title to the Oil and Gas Properties is free and clear of all liens, claims, security interests, mortgages, charges and encumbrances arising by, through or under Grantor, but not otherwise. Grantee is hereby subrogated to all covenants and warranties of title by third parties given or made to Grantor or their predecessors in title in respect to any of the Oil and Gas Properties.

This Conveyance is made subject to the Farmout Agreement, which contains certain representations, warranties and agreements between the parties concerning the Oil and Gas Properties, some of which may survive the delivery of this Conveyance, as provided in the Farmout Agreement, and are incorporated into this Conveyance as if restated in full in this Conveyance. Notwithstanding the foregoing, third parties may conclusively rely on this Conveyance to vest title to the Oil and Gas Properties in Grantee. In the event of any conflict between this Assignment and the Agreement, the terms set forth in the Agreement will prevail.

Grantor will sign, acknowledge, and deliver to Grantee, from time to time, all such other and additional conveyances, instruments, notices, division orders, transfer orders, releases, acquittances, and other documents, and will do all such other and further acts and things as may be reasonably necessary to more fully and effectively grant, convey and assign the Oil and Gas Properties to Grantee.

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JAN 29 2016

This Assignment may be signed in multiple counterparts, all of which are identical and constitute one and the same instrument.

GRANTOR:

STATOIL USA ONSHORE PROPERTIES INC.

By: Jay Kieke *Jay Kieke* from
Its: Authorized Person *gla*

GRANTEE:

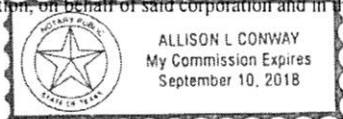
ALLIANCE PETROLEUM CORPORATION

Dora L. Silvis *Dora L. Silvis*
By: **Dora L. Silvis**
Its: **Executive Vice President and Chief Operating Officer**

STATE OF TEXAS

COUNTY OF Travis

This instrument was acknowledged before me on this 21st day of January, 2016 by Jay Kieke as Land Manager of STATOIL USA ONSHORE PROPERTIES INC., a Delaware corporation, on behalf of said Corporation and in the capacities herein expressed.



Allison L. Conway
Notary Public

My Commission Expires: 9/10/18

STATE OF OHIO

COUNTY OF STARK

This instrument was acknowledged before me on this 26 day of January, 2016 by Dora L. Silvis, as Executive Vice President and Chief Operating Officer of ALLIANCE PETROLEUM CORPORATION a Georgia corporation, on behalf of said corporation and in the capacities herein expressed.



Tobin L. Kintz
Notary Public *Tob. L. Kintz*

My Commission Expires: 03-02-2019

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JAN 29 2016

JAN 29 2016

Exhibit "A"
Attached to and by reference made a part thereof that certain Assignment and Conveyance dated January 21, 2016, from Statoil USA Onshore Properties Inc. to Alliance Petroleum Corporation

Tract Index #	Lessors	Original Lessee	Effective Date	Recording Date	Recording Info - Book	Recording Info - Page	State	County	District/ Township	Tax Map #	Parcel #	Gross Acres
53	Ridgetop Capital LP	PetroEdge Energy, LLC	8/29/2011	09/21/2011	387	212	WV	Tyler	Elisworth	22	4	69.506
53	Ridgetop Capital II LP	PetroEdge Energy, LLC	8/29/2011	09/21/2011	387	210	WV	Tyler	Elisworth	22	4	69.506
53	Myron Ferguson	PetroEdge Energy, LLC	10/21/2011	11/18/2011	389	39	WV	Tyler	Elisworth	22	4	69.506
53	Patricia Irene Asher and Daniel Asher	PetroEdge Energy, LLC	10/10/2011	11/03/2011	388	330	WV	Tyler	Elisworth	22	4	69.506
53	Inez Lush	PetroEdge Energy, LLC	10/10/2011	11/04/2011	388	356	WV	Tyler	Elisworth	22	4	69.506
53	Marjorie Ruth Asher Logston	PetroEdge Energy, LLC	11/25/2011	08/02/2011	385	703	WV	Tyler	Elisworth	22	4	69.506
54.1	The Sistersville General Hospital	Statoil USA Onshore Properties Inc	11/24/2011	01/22/2011	469	262	WV	Tyler	Elisworth	21	P/O 53	13.125
54.1	United Spinal Association, Inc.	Statoil USA Onshore Properties Inc	12/3/2014	01/22/2015	469	244	WV	Tyler	Elisworth	21	P/O 53	13.125
54.2	Haessly Land & Timber LLC	Statoil USA Onshore Properties Inc	9/26/2014	03/28/2013	411	534	WV	Tyler	Elisworth	21	P/O 53	1.500
55	Alfred Lonzo Eddy	PetroEdge Energy, LLC	5/23/2013	03/28/2013	411	534	WV	Tyler	Elisworth	21	13	96.580
55	Stephanie K. Perkins	PetroEdge Energy, LLC	3/23/2011	04/08/2011	381	203	WV	Tyler	Elisworth	21	13	96.580
55.1	Alfred Lonzo Eddy	PetroEdge Energy, LLC	3/25/2013	05/03/2013	415	331	WV	Tyler	Elisworth	21	12	0.710
55.1	Stephanie Perkins	PetroEdge Energy, LLC	3/27/2013	05/01/2013	415	35	WV	Tyler	Elisworth	21	12	0.710
55.2	Matthew Scott Kile & Christy Lynn Kile	Statoil USA Onshore Properties Inc	9/12/2014	11/21/2014	462	268	WV	Tyler	Elisworth	22	P/O 1	1.417
56	Ridgetop Capital LP	Statoil USA Onshore Properties Inc	2/17/2014	05/08/2014	444	431	WV	Tyler	Elisworth	22	P/O 1	36.616
56	Ridgetop Capital II LP	Statoil USA Onshore Properties Inc	2/17/2014	05/08/2014	444	434	WV	Tyler	Elisworth	22	P/O 1	36.616
56	JAMES Appel	PetroEdge Energy, LLC	9/19/2011	09/30/2011	387	445	WV	Tyler	Elisworth	22	P/O 1	36.616
56	Mary Sue Tate	PetroEdge Energy, LLC	9/21/2011	11/10/2011	385	615	WV	Tyler	Elisworth	22	P/O 1	36.616
56	Linda Lou Willson	PetroEdge Energy, LLC	9/21/2011	11/10/2011	388	612	WV	Tyler	Elisworth	22	P/O 1	36.616
56	Brian Bruce Seckman	PetroEdge Energy, LLC	9/21/2011	11/10/2011	388	619	WV	Tyler	Elisworth	22	P/O 1	36.616
56	John H. Swords	Statoil USA Onshore Properties Inc.	11/25/2013	02/11/2014	437	134	WV	Tyler	Elisworth	22	P/O 1	36.616
56.1	Ridgetop Capital LP	Statoil USA Onshore Properties, Inc.	2/17/2014	05/08/2014	444	449	WV	Tyler	Elisworth	22	P/O 1	6.338
56.1	Ridgetop Capital II LP	Statoil USA Onshore Properties, Inc.	2/17/2014	05/08/2014	444	446	WV	Tyler	Elisworth	22	P/O 1	6.338
56.1	Patricia Irene Asher McCarty and David McCarty	PetroEdge Energy, LLC	10/21/2011	11/18/2011	389	31	WV	Tyler	Elisworth	22	P/O 1	6.338
56.1	Daniel Asher	PetroEdge Energy, LLC	10/10/2011	11/10/2011	388	637	WV	Tyler	Elisworth	22	P/O 1	6.338
56.1	Inez Lush	PetroEdge Energy, LLC	10/10/2011	11/10/2011	388	634	WV	Tyler	Elisworth	22	P/O 1	6.338
56.1	Marjorie Ruth Asher Logston	PetroEdge Energy, LLC	8/8/2011	09/20/2011	387	631	WV	Tyler	Elisworth	22	P/O 1	6.338
56.2	Ridgetop Capital LP	Statoil USA Onshore Properties Inc.	2/17/2014	05/08/2014	444	437	WV	Tyler	Elisworth	22	P/O 1	0.73
56.2	Ridgetop Capital II LP	Statoil USA Onshore Properties Inc.	2/17/2014	05/08/2014	444	440	WV	Tyler	Elisworth	22	P/O 1	0.73
56.2	Ferguson Family Revocable Living Trust	PetroEdge Energy, LLC	10/21/2011	11/18/2011	389	31	WV	Tyler	Elisworth	22	P/O 1	0.73
56.2	Patricia Irene Asher and Daniel Asher	PetroEdge Energy, LLC	10/10/2011	11/10/2011	388	637	WV	Tyler	Elisworth	22	P/O 1	0.73
56.2	Inez Lush	PetroEdge Energy, LLC	10/10/2011	11/10/2011	388	634	WV	Tyler	Elisworth	22	P/O 1	0.73
56.2	Bounty Minerals, LLC	PetroEdge Energy, LLC	8/8/2011	11/10/2011	388	631	WV	Tyler	Elisworth	22	P/O 1	0.73
56.2	JAMES H. Appel	PetroEdge Energy, LLC	9/19/2011	09/20/2011	387	132	WV	Tyler	Elisworth	22	P/O 1	0.73
56.2	Mary Sue Tate	PetroEdge Energy, LLC	9/21/2011	11/10/2011	388	625	WV	Tyler	Elisworth	22	P/O 1	0.73
56.2	John H. Swords	Statoil USA Onshore Properties Inc.	10/11/2013	02/11/2014	437	156	WV	Tyler	Elisworth	22	P/O 1	0.73
56.2	Linda Lou Willson	PetroEdge Energy, LLC	9/21/2011	11/10/2011	388	622	WV	Tyler	Elisworth	22	P/O 1	0.73
56.2	Brian Bruce Seckman	PetroEdge Energy, LLC	9/21/2011	11/10/2011	388	628	WV	Tyler	Elisworth	22	P/O 1	0.73
56.3	Corey D. Reed	Statoil USA Onshore Properties Inc.	3/26/2014	07/16/2014	449	256	WV	Tyler	Elisworth	22	1.1	4.49
56.3	Robert Irvin Reed	Statoil USA Onshore Properties Inc.	4/23/2014	07/16/2014	449	277	WV	Tyler	Elisworth	22	1.1	4.49
56.3	Floyd Wayne Reed	Statoil USA Onshore Properties Inc.	4/23/2014	07/16/2014	449	280	WV	Tyler	Elisworth	22	1.1	4.49
56.3	James H. Appel	PetroEdge Energy, LLC	9/19/2011	09/30/2011	387	445	WV	Tyler	Elisworth	22	1.1	4.49
56.3	Linda Lou Willson	PetroEdge Energy, LLC	9/21/2011	11/10/2011	388	612	WV	Tyler	Elisworth	22	1.1	4.49
56.3	Mary Sue Tate	PetroEdge Energy, LLC	9/21/2011	11/10/2011	385	615	WV	Tyler	Elisworth	22	1.1	4.49
56.3	Brian Bruce Seckman	PetroEdge Energy, LLC	9/21/2011	11/10/2011	388	619	WV	Tyler	Elisworth	22	1.1	4.49

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JAN 29 2016

Attached to and by reference made a part thereof that certain Assignment and Conveyance dated January 21, 2016, from Statoil USA Onshore Properties Inc. to Alliance Petroleum Corporation

Exhibit "A"

56.3	John H. Swords	Statoil USA Onshore Properties Inc.	11/25/2013	02/11/2014	437	134	WV	Tyler	Elisworth	22	1.1	4.49
56.4	David Earl and Joyce Ann Giles	PetroEdge Energy, LLC	3/24/2011	04/20/2011	381	430	WV	Tyler	Elisworth	22	1.2	5.378
56.4	John H. Swords	Statoil USA Onshore Properties Inc.	11/25/2013	02/11/2014	437	134	WV	Tyler	Elisworth	22	1.2	5.378
56.4	Brian Bruce Seckman	PetroEdge Energy, LLC	9/21/2011	11/10/2011	388	619	WV	Tyler	Elisworth	22	1.2	5.378
56.4	James H. Appell	PetroEdge Energy, LLC	9/19/2011	09/30/2011	387	445	WV	Tyler	Elisworth	22	1.2	5.378
56.4	Linda Lou Willison	PetroEdge Energy, LLC	9/21/2011	11/10/2011	388	615	WV	Tyler	Elisworth	22	1.2	5.378
56.4	Mary Sue Tate	PetroEdge Energy, LLC	9/21/2011	11/10/2011	385	615	WV	Tyler	Elisworth	22	1.2	5.378
56.5	Gary Forrester	PetroEdge Energy, LLC	4/6/2011	04/29/2011	381	818	WV	Tyler	Elisworth	22	1.3	2.016
56.5	James H. Appell	PetroEdge Energy, LLC	9/19/2011	09/30/2011	387	445	WV	Tyler	Elisworth	22	1.3	2.016
56.5	Mary Sue Tate	PetroEdge Energy, LLC	9/21/2011	11/10/2011	385	615	WV	Tyler	Elisworth	22	1.3	2.016
56.5	Linda Lou Willison	PetroEdge Energy, LLC	9/21/2011	11/10/2011	388	612	WV	Tyler	Elisworth	22	1.3	2.016
56.5	Brian Bruce Seckman	PetroEdge Energy, LLC	9/21/2011	11/10/2011	388	619	WV	Tyler	Elisworth	22	1.3	2.016
56.5	John H. Swords	Statoil USA Onshore Properties Inc.	11/25/2013	02/11/2014	437	134	WV	Tyler	Elisworth	22	1.3	2.016
56.5	Ridgetop Capital, LP	Statoil USA Onshore Properties Inc.	2/17/2014	05/08/2014	444	431	WV	Tyler	Elisworth	22	1.3	2.016
56.5	Ridgetop Capital II, LP	Statoil USA Onshore Properties Inc.	2/17/2014	05/08/2014	444	434	WV	Tyler	Elisworth	22	1.3	2.016
56.6	James H. Appell	PetroEdge Energy, LLC	9/19/2011	09/30/2011	387	445	WV	Tyler	Elisworth	22	2	1.500
56.6	Mary Sue Tate	PetroEdge Energy, LLC	9/21/2011	11/10/2011	385	615	WV	Tyler	Elisworth	22	2	1.500
56.6	Linda Lou Willison	PetroEdge Energy, LLC	9/21/2011	11/10/2011	388	612	WV	Tyler	Elisworth	22	2	1.500
56.6	Brian Bruce Seckman	PetroEdge Energy, LLC	9/21/2011	11/10/2011	388	619	WV	Tyler	Elisworth	22	2	1.500
56.6	John H. Swords	Statoil USA Onshore Properties Inc.	11/25/2013	02/11/2014	437	134	WV	Tyler	Elisworth	22	2	1.500
56.6	Ridgetop Capital, LP	Statoil USA Onshore Properties Inc.	2/17/2014	05/08/2014	444	431	WV	Tyler	Elisworth	22	2	1.500
56.6	Ridgetop Capital II, LP	Statoil USA Onshore Properties Inc.	2/17/2014	05/08/2014	444	434	WV	Tyler	Elisworth	22	2	1.500
57	Bounty Minerals, LLC	PetroEdge Energy, LLC	6/15/2011	08/02/2011	385	705	WV	Tyler	Elisworth	22	3	22.950
57	Myron Ferguson, acting as Trustee for the	PetroEdge Energy, LLC	10/21/2011	11/18/2011	389	34	WV	Tyler	Elisworth	22	3	22.950
57	Patricia Irene Asher and	PetroEdge Energy, LLC	10/10/2011	11/03/2011	388	332	WV	Tyler	Elisworth	22	3	22.950
57	Daniel Asher	PetroEdge Energy, LLC	10/10/2011	11/04/2011	388	358	WV	Tyler	Elisworth	22	3	22.950
57	Inez Lush	PetroEdge Energy, LLC	10/10/2011	11/04/2011	388	354	WV	Tyler	Elisworth	22	3	22.950
57	Ridgetop Capital LP	PetroEdge Energy, LLC	8/29/2011	09/21/2011	387	208	WV	Tyler	Elisworth	22	3	22.950
57	Ridgetop Capital II LP	PetroEdge Energy, LLC	8/29/2011	09/21/2011	387	206	WV	Tyler	Elisworth	22	3	22.950
58	Bounty Minerals, LLC	PetroEdge Energy, LLC	6/15/2011	07/26/2011	385	352	WV	Tyler	Elisworth	16	43	37.100
58	Patricia Irene Asher and	PetroEdge Energy, LLC	10/10/2011	11/18/2011	389	41	WV	Tyler	Elisworth	16	43	37.100
58	Ferguson Family Revocable Living Trust	PetroEdge Energy, LLC	10/10/2011	11/03/2011	388	334	WV	Tyler	Elisworth	16	43	37.100
58	Daniel Asher	PetroEdge Energy, LLC	10/10/2011	11/04/2011	388	360	WV	Tyler	Elisworth	16	43	37.100
58	Inez Lush	PetroEdge Energy, LLC	10/10/2011	11/04/2011	388	349	WV	Tyler	Elisworth	16	43	37.100
58	Alfred Lonzo Eddy	PetroEdge Energy, LLC	6/20/2013	03/28/2013	411	532	WV	Tyler	Elisworth	16	43	37.100
58	Stephanie K. Perkins	PetroEdge Energy, LLC	12/2/2011	12/14/2011	390	87	WV	Tyler	Elisworth	16	43	37.100
87	William S. & Opal M. Nash (Life Estate)	Statoil USA Onshore Properties Inc.	3/9/2015	12/08/2014	463	515	WV	Tyler	Elisworth	15, 16	54, 56,	81.585
131	James R. Swan and Sandra T. Swan,	PetroEdge Energy, LLC	8/20/2012	09/19/2012	400	694	WV	Tyler	Elisworth	21	14	67.910
131	Nita Powell	PetroEdge Energy, LLC	8/24/2012	09/27/2012	401	249	WV	Tyler	Elisworth	21	14	67.910
410	Charles T. White, Jr	PetroEdge Energy, LLC	6/6/2012	06/26/2012	397	564	WV	Tyler	Elisworth	21	16	4.500
416	BRC Appalachian Minerals I LLC	BRC Working Interest Company LLC	8/27/2009	10/14/2009	369	648	WV	Tyler	Elisworth	21	7	1.750
416	Gary O. and Anita K. Bennett	PetroEdge Energy, LLC	9/6/2012	10/30/2012	402	713	WV	Tyler	Elisworth	21	7	1.750
416	Brenda Yoho	PetroEdge Energy, LLC	9/6/2012	10/30/2012	402	715	WV	Tyler	Elisworth	21	7	1.750
416	American Energy Marcellus Energy LLC	PetroEdge Energy, LLC	9/4/2012	10/30/2012	402	715	WV	Tyler	Elisworth	21	7	1.750
416	Pami Lynn Kranson	PetroEdge Energy, LLC	3/25/2013	05/11/2013	418	693	WV	Tyler	Elisworth	21	7	1.750
416	William Thomas Harvey	PetroEdge Energy, LLC	3/25/2013	05/11/2013	418	492	WV	Tyler	Elisworth	21	7	1.750
416	Flicky Homan	PetroEdge Energy, LLC	7/4/2013	05/03/2013	415	243	WV	Tyler	Elisworth	21	7	1.750
416	Ann L. Zirkle	PetroEdge Energy, LLC	4/2/2013	06/07/2013	418	74	WV	Tyler	Elisworth	21	7	1.750

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Exhibit "A"
Attached to and by reference made a part thereof that certain Assignment and Conveyance dated January 21, 2016, from Statoil USA Onshore Properties, Inc. to Alliance Petroleum Corporation

416	Diane S. and Charles Wayne Thompson, Trustees of the	PetroEdge Energy, LLC	3/29/2013	06/10/2013	418	312	WV	Tyler	Elsworth	21	7	1,750
416	Christine E. Smith	PetroEdge Energy, LLC	3/29/2013	06/07/2013	418	78	WV	Tyler	Elsworth	21	7	1,750
416	Lisa A. Young	PetroEdge Energy, LLC	3/29/2013	06/11/2013	418	658	WV	Tyler	Elsworth	21	7	1,750
416	Ernest M. Smith	PetroEdge Energy, LLC	3/29/2013	05/24/2013	416	829	WV	Tyler	Elsworth	21	7	1,750
416	Don A. Smith	PetroEdge Energy, LLC	3/29/2013	06/07/2013	418	146	WV	Tyler	Elsworth	21	7	1,750
416	Robert Craig	PetroEdge Energy, LLC	2/10/2013	03/21/2013	411	159	WV	Tyler	Elsworth	21	7	1,750
416	Carol Craig Rich	PetroEdge Energy, LLC	2/10/2013	03/29/2013	411	463	WV	Tyler	Elsworth	21	7	1,750
417	BRC Appalachian Minerals I LLC	BRC Working Interest Company LLC	8/27/2009	10/14/2009	369	648	WV	Tyler	Elsworth	21	8.1	1,318
417	Charles M. and Amanda C. Spencer	PetroEdge Energy, LLC	7/24/2012	09/19/2012	400	696	WV	Tyler	Elsworth	21	8.1	1,318
417	Pami Lynn Kranslon	PetroEdge Energy, LLC	2/7/2013	06/11/2013	418	683	WV	Tyler	Elsworth	21	8.1	1,318
417	William Thomas Harvey	PetroEdge Energy, LLC	3/25/2013	05/21/2013	416	492	WV	Tyler	Elsworth	21	8.1	1,318
417	Flicky Homan	PetroEdge Energy, LLC	1/4/2013	05/03/2013	415	243	WV	Tyler	Elsworth	21	8.1	1,318
417	Virginia Dianne Thompson	PetroEdge Energy, LLC	3/29/2013	06/10/2013	418	312	WV	Tyler	Elsworth	21	8.1	1,318
417	Christine E. Smith	PetroEdge Energy, LLC	3/29/2013	06/07/2013	418	78	WV	Tyler	Elsworth	21	8.1	1,318
417	Ann L. Smith Zirkle	PetroEdge Energy, LLC	4/2/2013	06/07/2013	418	74	WV	Tyler	Elsworth	21	8.1	1,318
417	Lisa A. Young	PetroEdge Energy, LLC	3/29/2013	06/11/2013	418	658	WV	Tyler	Elsworth	21	8.1	1,318
417	Ernest M. Smith	PetroEdge Energy, LLC	3/29/2013	05/24/2013	416	829	WV	Tyler	Elsworth	21	8.1	1,318
417	Don A. Smith	PetroEdge Energy, LLC	3/29/2013	06/07/2013	416	146	WV	Tyler	Elsworth	21	8.1	1,318
417	Robert Craig	PetroEdge Energy, LLC	2/10/2013	03/21/2013	411	159	WV	Tyler	Elsworth	21	8.1	1,318
417	Carol Craig Rich	PetroEdge Energy, LLC	2/10/2013	03/29/2013	411	463	WV	Tyler	Elsworth	21	8.1	1,318
418	BRC Appalachian Minerals I LLC	BRC Working Interest Company LLC	8/27/2009	10/14/2009	369	648	WV	Tyler	Elsworth	21	8	3,747
418	Roger D. Blizzard and Darlene F. Blizzard	PetroEdge Energy, LLC	7/17/2012	08/02/2012	399	242	WV	Tyler	Elsworth	21	8	3,747
418	Pami Lynn Kranslon	PetroEdge Energy, LLC	2/7/2013	06/11/2013	418	693	WV	Tyler	Elsworth	21	8	3,747
418	William Thomas Harvey	PetroEdge Energy, LLC	3/25/2013	05/21/2013	415	243	WV	Tyler	Elsworth	21	8	3,747
418	Flicky Homan	PetroEdge Energy, LLC	1/4/2013	05/03/2013	416	829	WV	Tyler	Elsworth	21	8	3,747
418	Virginia Dianne Thompson	PetroEdge Energy, LLC	3/29/2013	06/10/2013	418	312	WV	Tyler	Elsworth	21	8	3,747
418	Christine E. Smith	PetroEdge Energy, LLC	3/29/2013	06/07/2013	418	78	WV	Tyler	Elsworth	21	8	3,747
418	Ann L. Smith	PetroEdge Energy, LLC	4/2/2013	06/07/2013	418	74	WV	Tyler	Elsworth	21	8	3,747
418	Lisa A. Young	PetroEdge Energy, LLC	3/29/2013	06/11/2013	418	658	WV	Tyler	Elsworth	21	8	3,747
418	Ernest M. Smith	PetroEdge Energy, LLC	3/29/2013	05/24/2013	416	829	WV	Tyler	Elsworth	21	8	3,747
418	Don A. Smith	PetroEdge Energy, LLC	3/29/2013	06/07/2013	418	146	WV	Tyler	Elsworth	21	8	3,747
418	Robert Craig	PetroEdge Energy, LLC	2/10/2013	03/21/2013	411	159	WV	Tyler	Elsworth	21	8	3,747
418	Carol Craig Rich	PetroEdge Energy, LLC	2/10/2013	03/29/2013	411	463	WV	Tyler	Elsworth	21	8	3,747
419	Pami Lynn Kranslon	PetroEdge Energy, LLC	2/7/2013	06/11/2013	418	693	WV	Tyler	Elsworth	21	11	1,000
419	William Thomas Harvey	PetroEdge Energy, LLC	3/25/2013	05/21/2013	416	492	WV	Tyler	Elsworth	21	11	1,000
419	Flicky Homan	PetroEdge Energy, LLC	1/4/2013	05/03/2013	415	243	WV	Tyler	Elsworth	21	11	1,000
419	Virginia Dianne Thompson	PetroEdge Energy, LLC	3/29/2013	06/10/2013	418	312	WV	Tyler	Elsworth	21	11	1,000
419	Christine E. Smith	PetroEdge Energy, LLC	3/29/2013	06/07/2013	418	78	WV	Tyler	Elsworth	21	11	1,000
419	Ann L. Smith	PetroEdge Energy, LLC	4/2/2013	06/07/2013	418	74	WV	Tyler	Elsworth	21	11	1,000
419	Lisa A. Young	PetroEdge Energy, LLC	3/29/2013	06/11/2013	418	658	WV	Tyler	Elsworth	21	11	1,000
419	Ernest M. Smith	PetroEdge Energy, LLC	3/29/2013	05/24/2013	416	829	WV	Tyler	Elsworth	21	11	1,000
419	Don A. Smith	PetroEdge Energy, LLC	3/29/2013	06/07/2013	418	146	WV	Tyler	Elsworth	21	11	1,000
419	Robert Craig	PetroEdge Energy, LLC	2/10/2013	03/21/2013	411	159	WV	Tyler	Elsworth	21	11	1,000
419	Carol Craig Rich	PetroEdge Energy, LLC	2/10/2013	03/29/2013	411	463	WV	Tyler	Elsworth	21	11	1,000
421	BRC Appalachian Minerals I LLC	BRC Working Interest Company LLC	8/27/2009	10/14/2009	369	648	WV	Tyler	Elsworth	15,21	9.10	95,890
421	Brenda Yoho	PetroEdge Energy, LLC	9/5/2012	10/30/2012	402	718	WV	Tyler	Elsworth	15,21	9.10	95,890
421	William Baker	PetroEdge Energy, LLC	9/4/2012	10/30/2012	402	715	WV	Tyler	Elsworth	15,21	9.10	95,890

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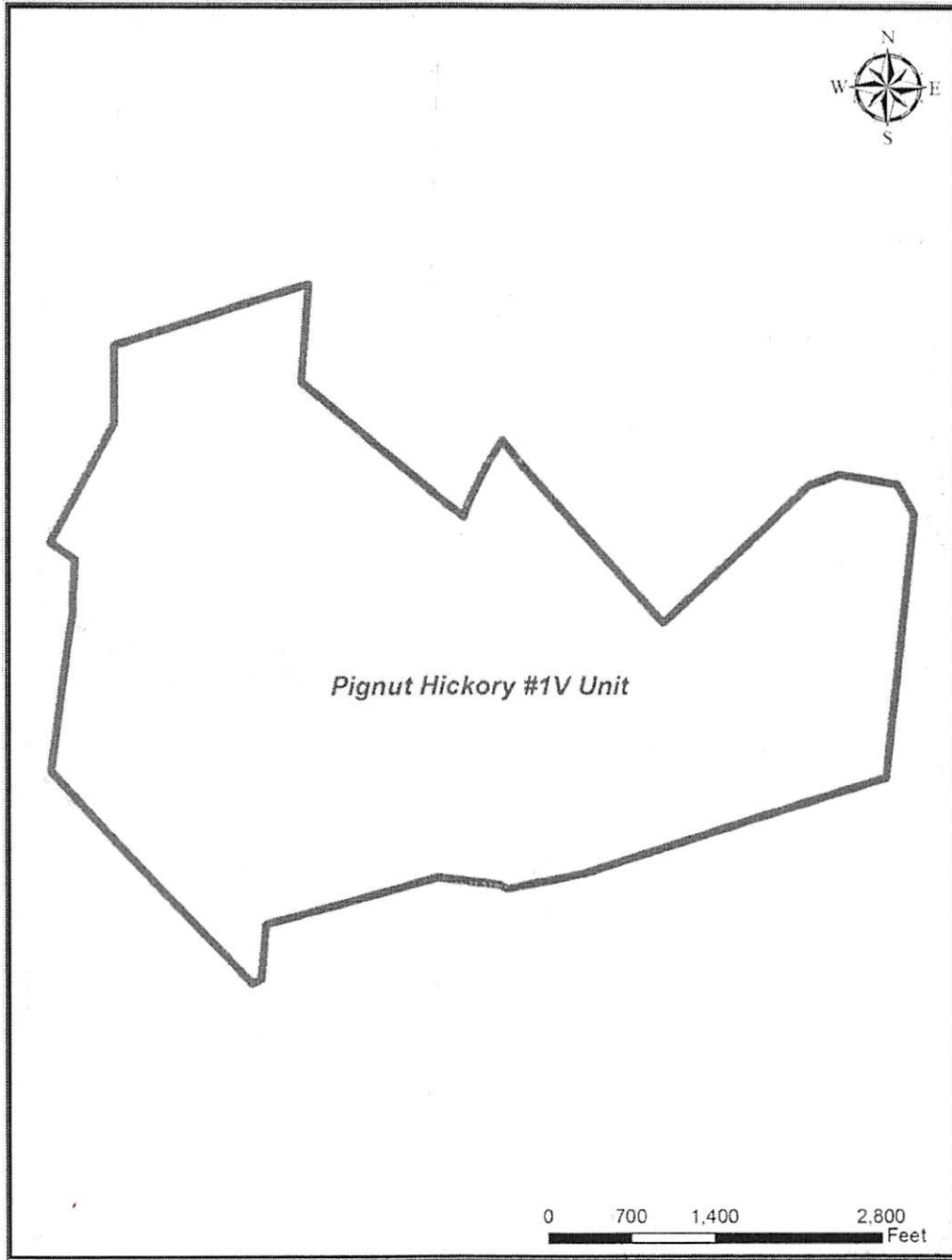
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Exhibit "A"
Attached to and by reference made a part thereof that contain Assignment and Conveyance dated January 21, 2016, from Statoil USA Onshore Properties Inc. to Alliance Petroleum Corporation

421	Pam Lynn Kranston	PetroEdge Energy, LLC	2/7/2013	06/11/2013	418	693	WV	Tyler	Ellsworth	15,21	33	95,880
421	William Thomas Harvey	PetroEdge Energy, LLC	3/25/2013	05/21/2013	416	492	WV	Tyler	Ellsworth	15,21	33	95,880
421	Flicky Homan	PetroEdge Energy, LLC	1/4/2013	05/03/2013	415	243	WV	Tyler	Ellsworth	15,21	33	95,880
421	Virginia Dianne Thompson	PetroEdge Energy, LLC	3/29/2013	06/10/2013	418	312	WV	Tyler	Ellsworth	15,21	33	95,880
421	Christine E. Smith	PetroEdge Energy, LLC	3/29/2013	06/07/2013	418	78	WV	Tyler	Ellsworth	15,21	33	95,880
421	Ann L. Smith	PetroEdge Energy, LLC	4/2/2013	06/07/2013	418	74	WV	Tyler	Ellsworth	15,21	33	95,880
421	Lisa A. Young	PetroEdge Energy, LLC	3/29/2013	06/11/2013	418	658	WV	Tyler	Ellsworth	15,21	33	95,880
421	Ernest M. Smith	PetroEdge Energy, LLC	3/29/2013	05/24/2013	416	829	WV	Tyler	Ellsworth	15,21	33	95,880
421	Don A. Smith	PetroEdge Energy, LLC	3/29/2013	06/07/2013	418	146	WV	Tyler	Ellsworth	15,21	33	95,880
421	Lawrence O. Price	PetroEdge Energy, LLC	7/6/2012	08/02/2012	399	244	WV	Tyler	Ellsworth	15,21	33	95,880
421	Robert Craig	PetroEdge Energy, LLC	2/10/2013	03/21/2013	411	159	WV	Tyler	Ellsworth	15,21	33	95,880
421	Carol Craig Rich	PetroEdge Energy, LLC	2/10/2013	03/26/2013	411	463	WV	Tyler	Ellsworth	15,21	33	95,880

Attached to and by reference made a part thereof, that certain Assignment and Conveyance dated January 21, 2016, from Statoil USA Onshore Properties Inc. to Alliance Petroleum Corporation;



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EXHIBIT "C"

Attached to and by reference made a part thereof, that certain Assignment and Conveyance dated January 21, 2016, from Statoil USA Onshore Properties Inc. to Alliance Petroleum Corporation;

DEPTHS ASSIGNED:

Insofar and only Insofar as the Leases described on "Exhibit A" cover all depths above 500 feet above the Top of the Geneseo Formation at the stratigraphic equivalent of 6,386 feet as found in the AB Resources PA, LLC gamma ray Log for the Francis #1 (API No. 47-051-1190) well located in the Clay District of Marshall County, West Virginia, to the extent Assignor has ownership interests in such depths (the "Applicable Depths"), recognizing that the actual depth will vary across such oil, gas and mineral leases (collectively, but subject to such exclusion, the "Leasehold Interests").

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JAN 29 2016

WW-2B1
(5-12)

Well No. Pignut Hickory 1 V-1

West Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

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

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

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

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

Listed below is the laboratory chosen by operator to perform analysis, and contactor chosen to collect sample.

Certified Laboratory Name	<u>Fairway Laboratories</u>
Sampling Contractor	<u>Jericho Land Resources</u>

Well Operator	<u>Alliance Petroleum Corporation</u>
Address	<u>4150 Belden Village Avenue, Suite 410</u>
	<u>Canton, OH 44718</u>
Telephone	<u>(330) 493-0440</u>

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site, the Chief may require the operator to test wells up to 2000 feet from the proposed site.

See Attached

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Office of Oil and Gas

DEC 30 2015

WV Department of
Environmental Protection

01/29/2016



WELL OPERATOR: Alliance Petroleum Corporation
WELL OPERATOR #: Pignut Hickory 1 V-1

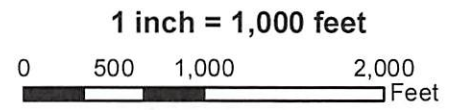
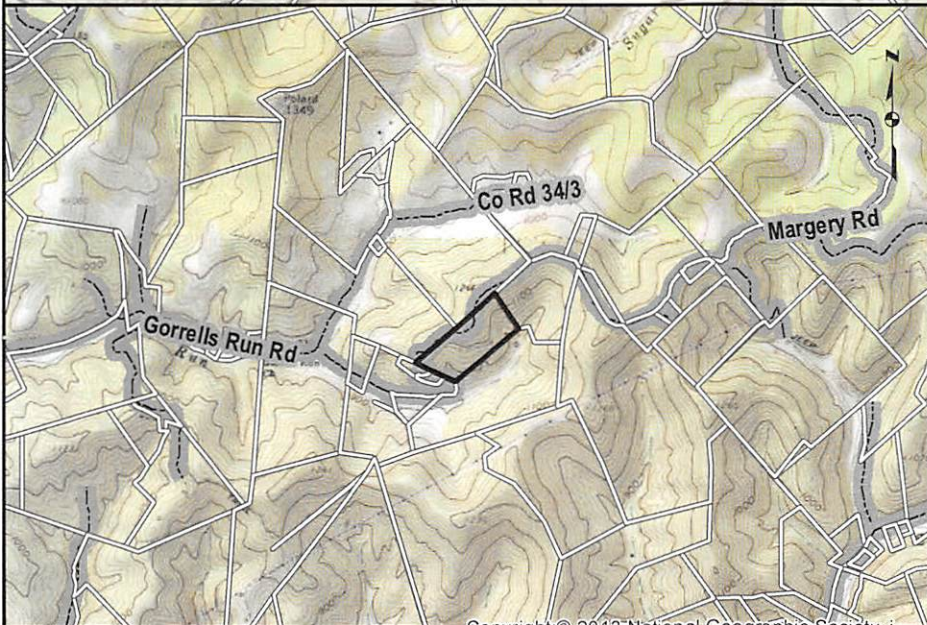
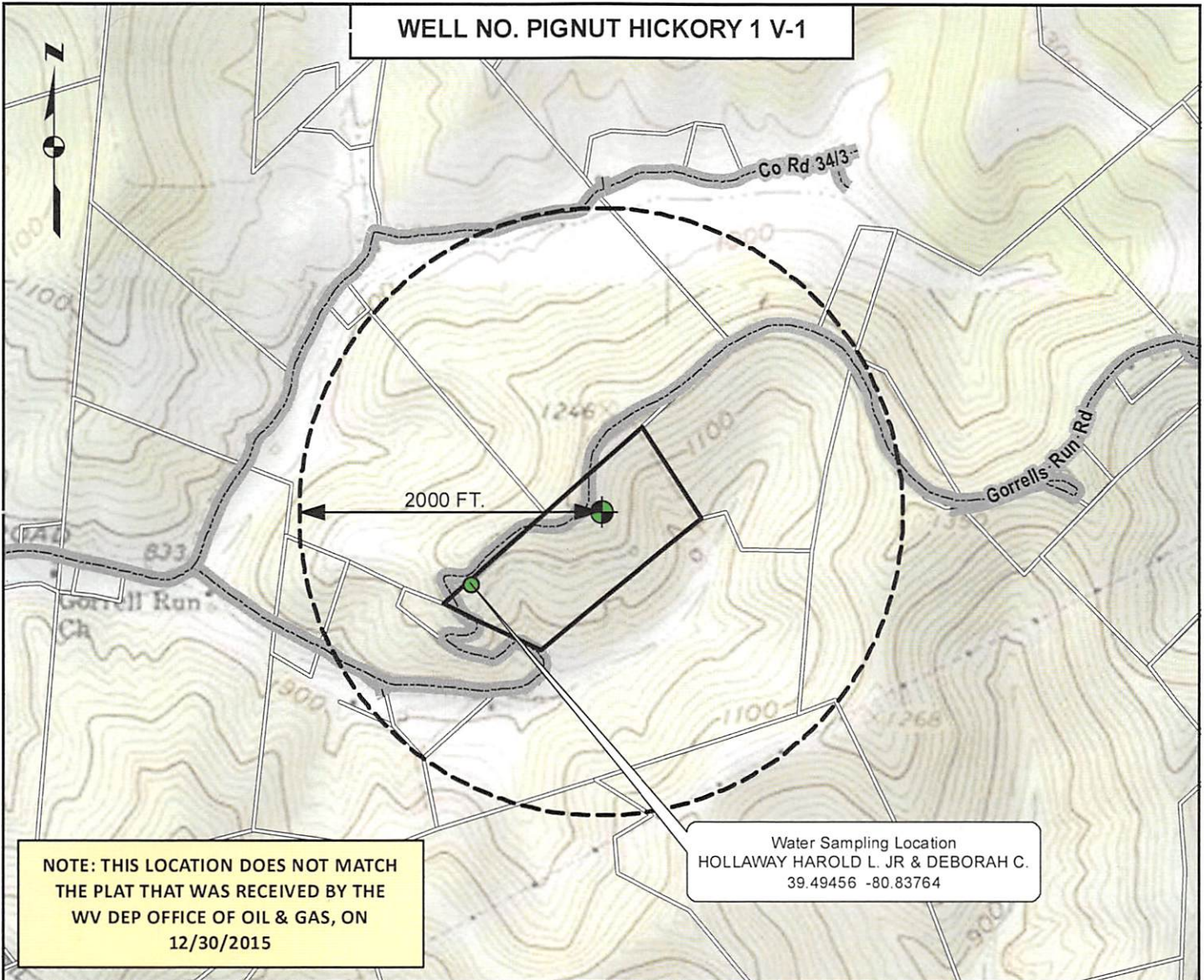
Notice to Surface Owner or Resident

The initial mapping review of the area surrounding the proposed well site revealed the below listed surface owner(s) that was potentially utilizing groundwater (potable) for consumption or other purposes within 2,000' radius of the proposed well site. The following surface owner(s) will be notified of the opportunity to request a water sample should it be necessary. **Please note that the following information listed below could be subject to change upon further field inspection.*

Surface Owner or Resident Notified:

Owner: Hollaway, Harold L. JR & Deborah C.
Address: 12 Bridgeway, Middlebourne, WV 26149
Phone: (304) 758-4059
Comments: Tax Parcel # 2-22-3

WELL NO. PIGNUT HICKORY 1 V-1



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL. ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATION. SEPARATE PERMITS MAY BE REQUIRED BY THE WV D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

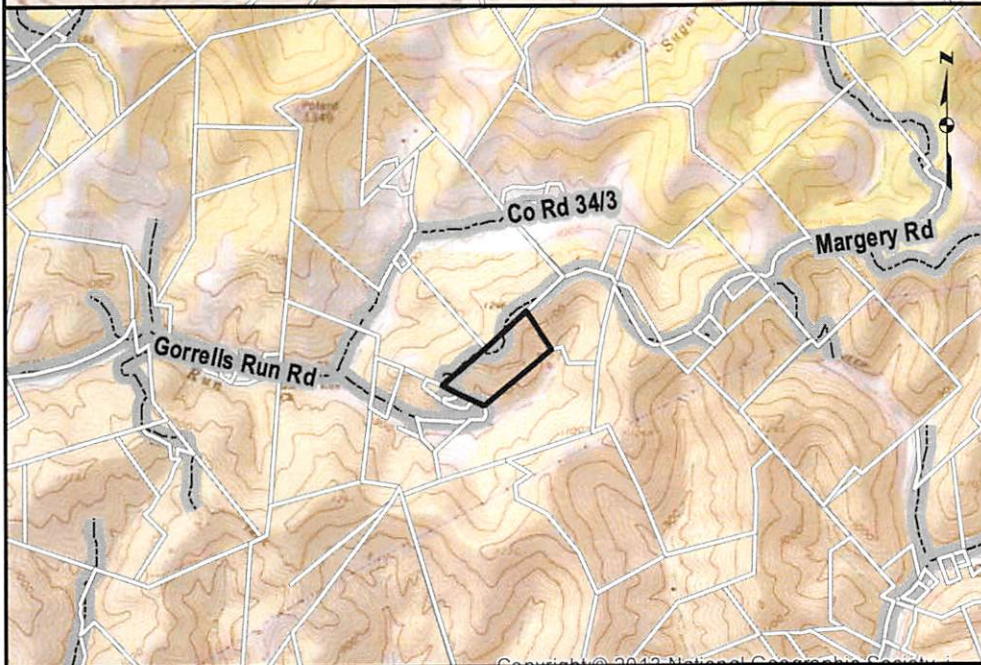
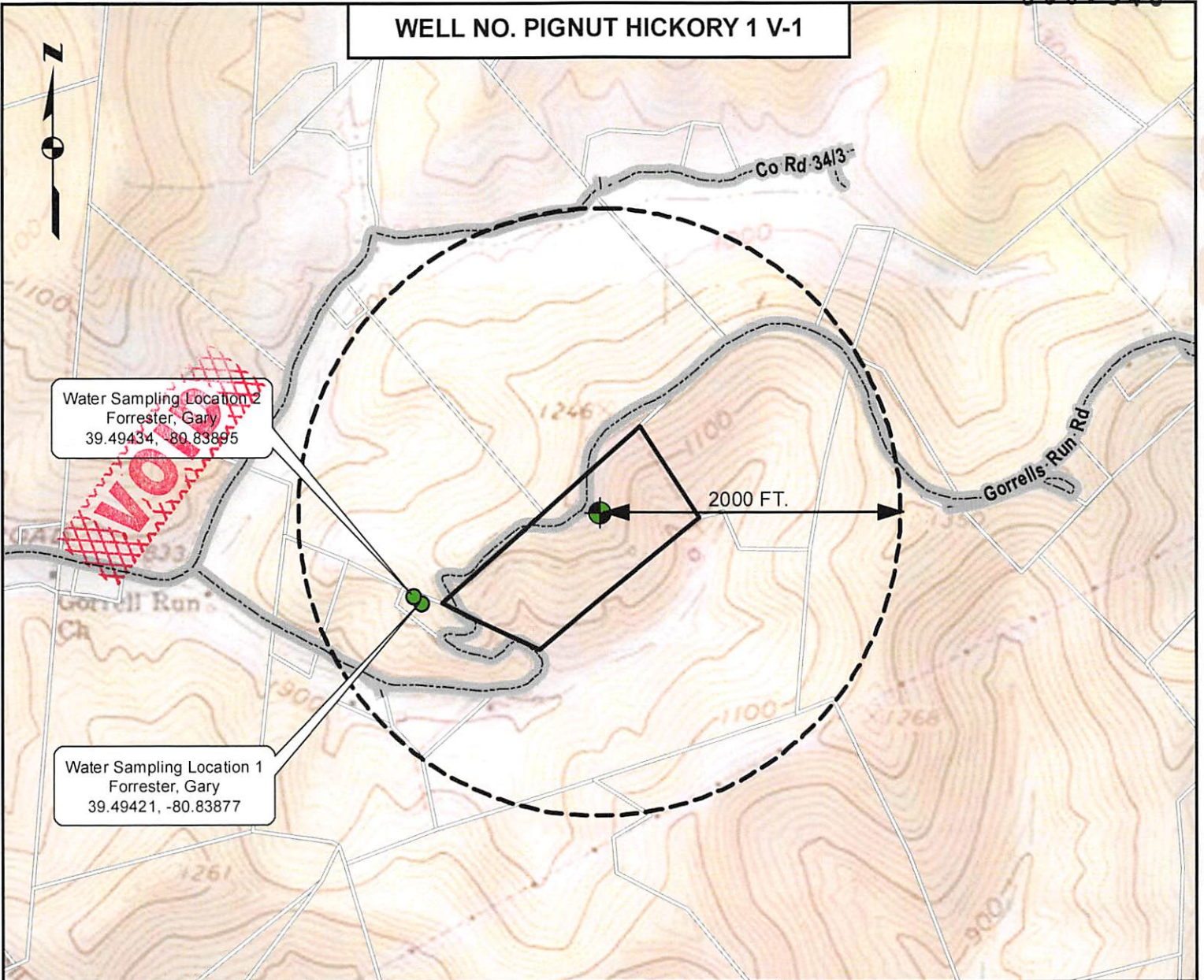
TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

APPLICATIONS FOR SEPARATE P.L.C. PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES).

WELL NO. PIGNUT HICKORY 1 V-1



DmH 12-30-15

1 inch = 1,000 feet

0 500 1,000 2,000 Feet

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EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION

RECEIVED
Office of Oil and Gas
CUT & STACK ALL MARKETABLE TIMBER.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL. APPLICATIONS FOR SEPARATE P.L.C. PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES)

DEC 30 2015

WV Department of
Environmental Protection

01/29/2016

WW-9
(2/15)

API Number 47 - 095 - _____
Operator's Well No. Pignut Hickory 1 V-1

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Alliance Petroleum Corporation OP Code 305762

Watershed (HUC 10) Outlet Middle Island Creek Quadrangle Shirley 7.5'

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes No

Will a pit be used? Yes No

If so, please describe anticipated pit waste: Drill Cuttings - Soap - Brine

Will a synthetic liner be used in the pit? Yes No If so, what ml.? 60

Proposed Disposal Method For Treated Pit Wastes:

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

DAH
12-30-15

Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? Soap - KCL - Clay Stabilizer

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Leave in pit

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) Lime

-Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department 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 *Jeffrey Sayger*
Company Official (Typed Name) Jeffrey Sayger
Company Official Title Designated Agent

RECEIVED
Office of Oil and Gas
DEC 30 2015

Subscribed and sworn before me this 30 day of December
[Signature]

WV Department of Environmental Protection
Notary Public

My commission expires _____
Tim Maclauchlan
Notary Public, State of Ohio
My Commission Expires 04/14/2018



Alliance Petroleum Corporation

Proposed Revegetation Treatment: Acres Disturbed 2.0 Prevegetation pH 6.5

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10 - 20 - 10

Fertilizer amount 667 lbs/acre

Mulch 2 (Hay) Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
KY-31	40	Orchard Grass	15
Alsike Colver	5	Alsike Clover	5
Annual Rye	15		

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

Comments: _____

Title: Oil + Gas Inspector

Date: 12-30-15

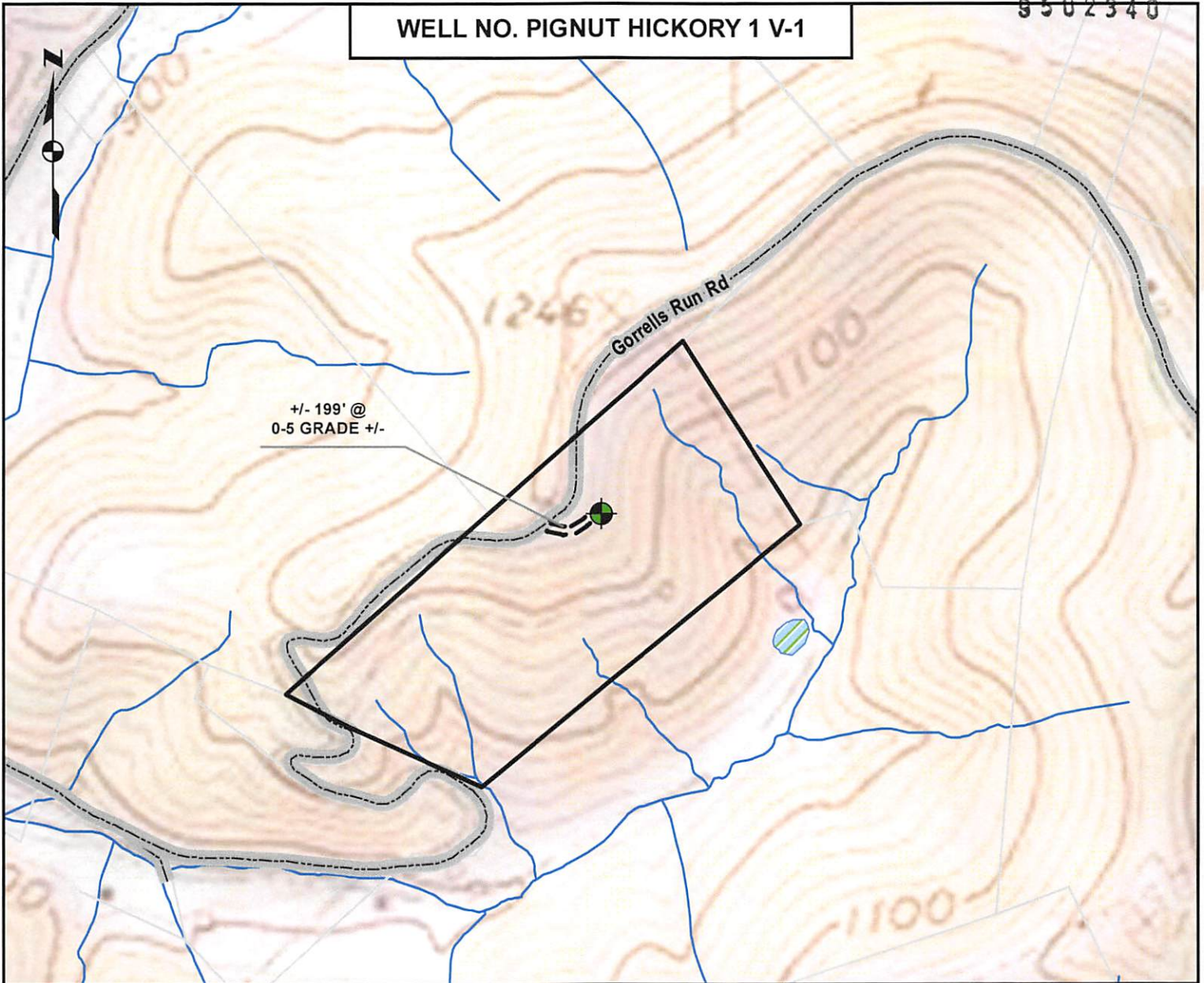
Field Reviewed? Yes No

RECEIVED
Office of Oil and Gas

DEC 30 2015

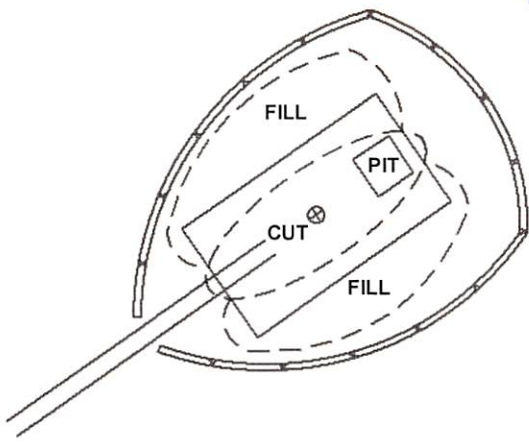
WV Department of
Environmental Protection
01/29/2016

WELL NO. PIGNUT HICKORY 1 V-1

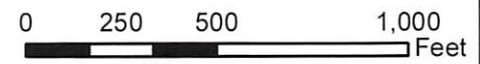


DETAIL SKETCH

*DMH
12-30-15*



1 inch = 500 feet



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WV Department of
Environmental Protection

01/29/2016

NOT TO SCALE

LATITUDE 39°30'00" 396

LONGITUDE 80°50'00"

1495

GRAPHIC SCALE

0 200 400

1" = 400'

WELL NO. PIGNUT HICKORY 1 V-1

NAD'83 GEO. (DD°MM'SS.SS") N. 39° 29' 45" W. 80° 50' 04"
NAD'83 DECIMAL DEGREES N. 39.49588° W. 80.83466°
NAD'83 UTM (M) ZONE 17 NORTH N. 4371820.42 E. 514216.7
NAD'83 S.P.C. (W.V. NORTH ZONE- USFT) N. 365525.25 E. 1591877.95

LOCATION REFERENCES

S 54° 47' 22" E 131.83' 24" OAK TREE
S 85° 30' 01" E 187.86' 22" OAK TREE

LEGEND

- FOUND IRON PIN OR PIPE
WELL NO. PIGNUT HICKORY 1 V-1 (PROPOSED)
EXISTING OIL & GAS WELL
EXISTING WATER WELL
LEASE LINE
SURFACE LINE

N/F PYLES, RICHARD D & CATHY J PARCEL ID 02-16-44

N/F EDDY, DAVID L & ESTELLA M ET AL PARCEL ID 02-16-43

N/F WILLIAM S NASH, OPAL MARIE NASH, ROGER B NASH PARCEL ID 02-15-32

FOUND 2.5" CONCRETE POST

N 87° 52' 08" W 345.76'

WELL NO. PIGNUT HICKORY 1 V-1

S 61° 15' 16" W 1134.58'

N/F FORRESTER, GARY & PATTY PARCEL ID 02-22-1.3

N/F HOLLAWAY, HAROLD L JR & DEBORAH C PARCEL ID 05-22-3

FOUND 2" CONCRETE POST

N/F REED, ROBERT O & GERALDINE (LIFE) PARCEL ID 02-22-1

N/F DUNTHORN, STEPHEN H & BARBARA J PARCEL ID 02-22-4

N/F FORRESTER, GARY & PATTY PARCEL ID 02-22-2

N/F REED, ROBERT I & COREY I PARCEL ID 02-22-1.1

NOTES ON SURVEY

- 1. PREPARED BY: BLAINE SURVEYING, PLLC
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 287 PAGE 669.
3. THIS IS NOT A BOUNDARY SURVEY. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF TYLER COUNTY IN NOVEMBER 2015

OPERATORS WELL NO: PIGNUT HICKORY 1 V-1
SCALE: 1" = 400'
MINIMUM DEGREE OF ACCURACY: SUB-METER
PROVEN SOURCE OF ELEVATION: CORS NETWORK & WV VRS

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

47 095 02540
API WELL NO. STATE COUNTY PERMIT



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 ENVIRONMENTAL PROTECTION

Signed: Jonathan Blaine

L.L.S.: #2220 DATE: 12/22/15

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS 601 57TH ST. CHARLESTON, WV 25304



WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: OUTLET MIDDLE ISLAND CREEK ELEVATION: 1175'

DISTRICT: ELLSWORTH COUNTY: TYLER QUADRANGLE: SHIRLEY 7.5'

SURFACE OWNER: HOLLAWAY, HAROLD J JR & DEBORAH C ACREAGE: 22.95 +/-

OIL & GAS ROYALTY OWNER: BOUNTY MINERALS, LLC ET AL ACREAGE: 22.95 +/-

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY):

TARGET FORMATION: RHINESTREET ESTIMATED DEPTH: TVD 5910'

WELL OPERATOR: ALLIANCE PETROLEUM CORPORATION DESIGNATED AGENT: JEFFREY SAYGER
ADDRESS: 4150 BELDEN VILLAGE AVE NW SUITE 410 CANTON, OH 44718-2553 ADDRESS: 16 FOX HILL TERRACE PARKERSBURG WV 26101

Pignut Hickory Water Testing Results

Tyler County, West Virginia

Prepared for:



Prepared by:



RECEIVED
Office of Oil and Gas
JAN 26 2016
WV Department of
Environmental Protection

01/29/2016



1.14.2016

West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304

To whom it may concern:

The WV DEP, Office of Oil and Gas, received a Vertical Well permit package on December 30, 2015, for a project in Tyler County on behalf of the Operator, Alliance Petroleum Corporation. The Operator's # was called Pignut Hickory 1 V-1. Contained within the package was a letter, radius map, and plat identifying two water wells that were to be sampled and tested. The Landowner that contained the two water wells could not be reached via phone or in person, so it was then decided to pursue alternatives. A water well on another Landowner was found within the 2,000 foot radius. This Landowner was able to be reached via phone to sample and test. Therefore, enclosed is the revised letter and radius map indicating this new water well location and the new Landowner. Per conversations with Jeffrey McLaughlin, we've made a note on the radius map that this new location will not match the signed plat currently on file. Once the tests are received for this water well, we will send a copy to your office and a copy to the Landowner. Please contact us if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Clint Brister".

Clint Brister *Permit Agent*
Jericho Land Resources
817-946-9772

01/29/2016



WELL OPERATOR: Alliance Petroleum Corporation
WELL OPERATOR #: Pignut Hickory 1 V-1

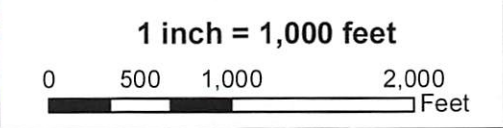
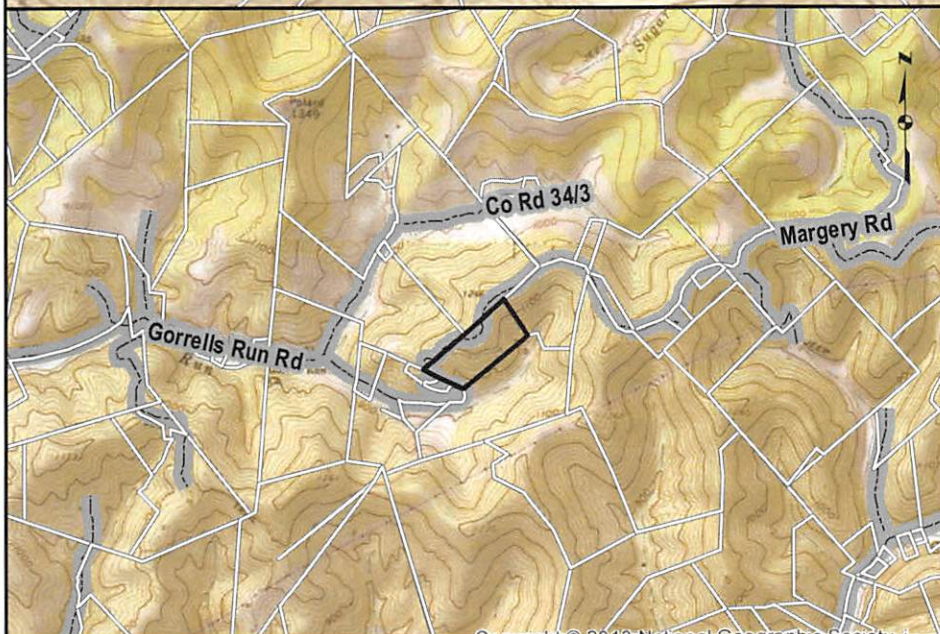
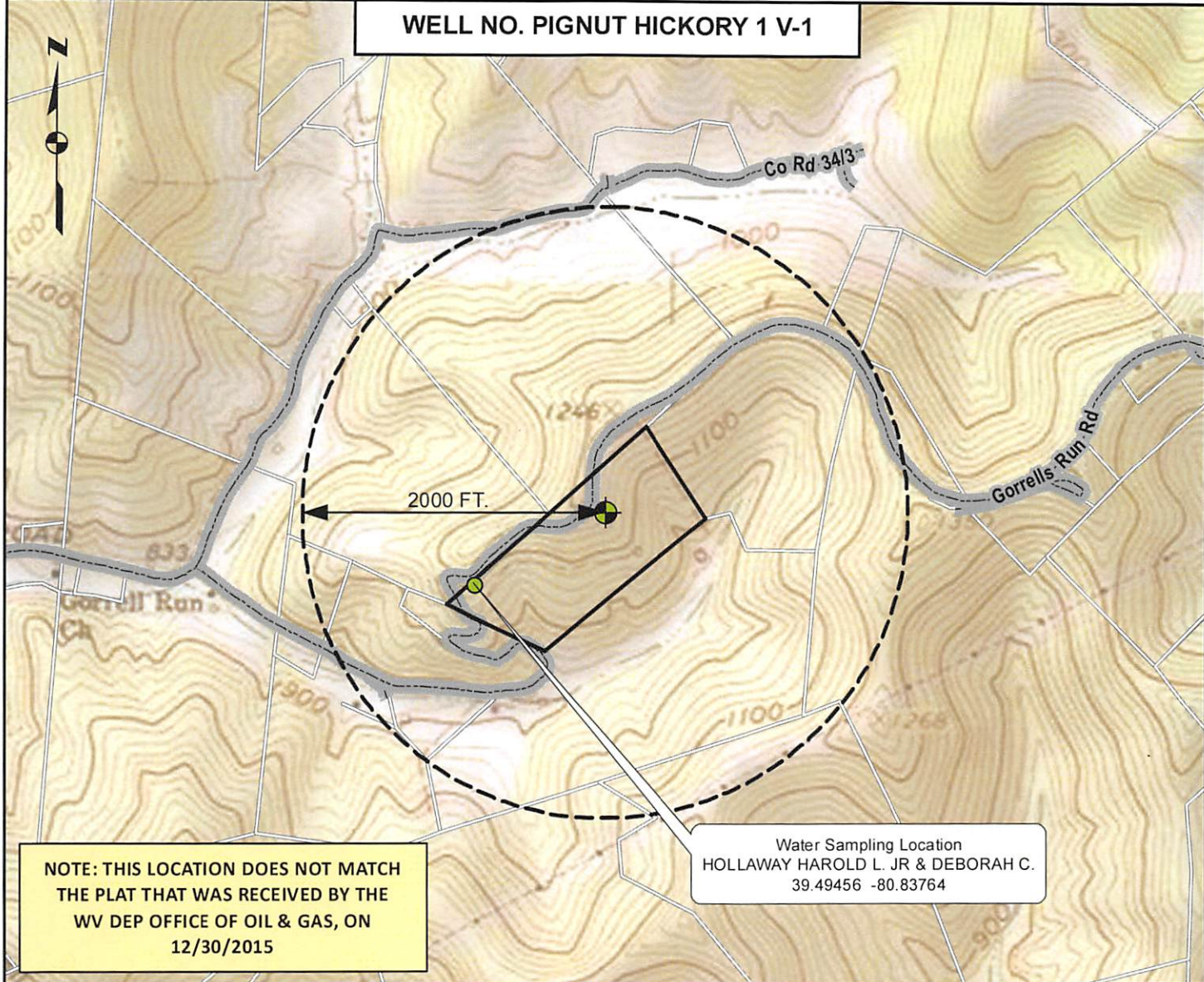
Notice to Surface Owner or Resident

The initial mapping review of the area surrounding the proposed well site revealed the below listed surface owner(s) that was potentially utilizing groundwater (potable) for consumption or other purposes within 2,000' radius of the proposed well site. The following surface owner(s) will be notified of the opportunity to request a water sample should it be necessary. **Please note that the following information listed below could be subject to change upon further field inspection.*

Surface Owner or Resident Notified:

Owner: Hollaway, Harold L. JR & Deborah C.
Address: 12 Bridgeway, Middlebourne, WV 26149
Phone: (304) 758-4059
Comments: Tax Parcel # 2-22-3

WELL NO. PIGNUT HICKORY 1 V-1



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2019 Ninth Avenue
PO Box 1925
Altoona, PA 16603
(814) 946-4306
NELAP: PA 07-062, VA 460212

89 Kristi Road
Pennsdale, PA 17756
(570) 494-6380
PaDEP: PA 41-04684



www.fairwaylaboratories.com

State Certifications: MD 275, WV 364

Jericho Land Resources
202 Park West Drive Suite 202
Pittsburgh PA, 15275

Project Manager: Clint Brister

Project: PIGNUT HICKORY 1 V-1

Project Number: [none]

Collector: LD

Number of Containers: 3

Reported:

01/20/16 15:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Sample Type	Date Sampled	Date Received
GORRELLS RUN ROAD/WELL	6A13034-01	Water	Grab	01/12/16 11:15	01/12/16 20:20

Client Sample ID: GORRELLS RUN ROAD/WELL

Date/Time Sampled: 01/12/16 11:15

Laboratory Sample ID: 6A13034-01 (Water/Grab)

Analyte	Result	MDL	RL	Units	Date / Time Analyzed	Method	* Analyst	Note
---------	--------	-----	----	-------	----------------------	--------	-----------	------

Metals by EPA 200 Series Methods

Iron	0.171	0.0179	0.0400	mg/l	01/18/16 14:01	EPA 200.7/4.4	rab	
------	-------	--------	--------	------	----------------	---------------	-----	--

Conventional Chemistry Parameters by SM/EPA Methods

Chloride	9.51	0.467	5.00	mg/l	01/13/16 17:36	EPA 300.0/2.1	bdw	
Methylene Blue Active Substances	<0.0120	0.0120	0.0250	mg/l	01/13/16 11:00	SM 5540 C-11	elb	
pH @ 16.2°C	7.49			pH Units	01/14/16 18:42	SM 4500-H+B-11	SNW	
Total Dissolved Solids	268		20.0	mg/l	01/18/16 16:06	SM 2540 C-97	arr	

Field Sampled Parameters

pH- Field @ 9.9°C	7.17			pH Units	01/12/16 11:15	SM20-4500H + B FIELD	ld	
Temperature	9.90		0.100	degrees C	01/12/16 11:15	SM 2550 B-00	ld	

Fairway Laboratories, Inc.

Reviewed and Submitted by:

MAT

Michael P. Tyler
Laboratory Director

Fairway Labs in Altoona, PA is a NELAP (National Environmental Laboratory Accreditation Program) accredited lab, and as such, certifies that all applicable test results meet the requirements of NELAP, unless otherwise stated on the analytical report.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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Project Manager: Clint Brister

Project: PIGNUT HICKORY 1 V-1

Project Number: [none]

Collector: LD

Number of Containers: 3

Reported:

01/20/16 15:50

Definitions

If surrogate values are not within the indicated range, then the results are considered to be estimated.

Reporting limits are adjusted accordingly when samples are analyzed at a dilution due to the matrix.

The following analyses are to be performed immediately upon sampling: pH, sulfite, chlorine residual, dissolved oxygen, filtration for ortho phosphorus, and ferrous iron. The date and time reported reflect the time the samples were analyzed at the laboratory.

MBAS, calculated as LAS, mol wt 348

If the solid sample weight for VOC analysis does not fall within the 3.5-6.5 gram range, the results are considered estimated values.

Unless otherwise noted, all results for solids are reported on a dry weight basis.

Samples collected by Fairway Laboratories' personnel are done so in accordance with Standard Operating Procedures established by Fairway Laboratories.

- * P indicates analysis performed by Fairway Laboratories, Inc. at the Pennsdale location. This location is PaDEP Chapter 252 certified.
- < Represents "less than" - indicates that the result was less than the reporting limit.
- MDL Method Detection Limit - is the lowest or minimum level that provides 99% confidence level that the analyte is detected. Any reported result values that are less than the RL are considered estimated values.
- RL Reporting Limit - is the lowest or minimum level at which the analyte can be quantified.
- [CALC] Indicates a calculated result. Calculations use results from other analyses performed under accredited methods.

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Project Manager: Clint Brister

Project: PIGNUT HICKORY 1 V-1
Project Number: [none] Reported:
Collector: LD 01/20/16 15:50
Number of Containers: 3

Terms & Conditions

Services provided by Fairway Laboratories Inc. are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CHAIN OF CUSTODY Fairway Laboratories Inc. ("Fairway," "us" or "we") will initiate a chain-of-custody/request for analysis upon sample receipt unless the client includes a completed form with the received sample(s). Upon request, Fairway will provide chain-of-custody forms for use.

CONFIDENTIALITY Fairway maintains confidentiality in all of our client interactions. The client's consent will be required before releasing information about the services provided.

CONTRACTS All contracts are subject to review and approval by Fairway's legal council. Each contract must be signed by a corporate officer.

PAYMENT/BILLING Unless otherwise set forth in a signed contract or purchase order, terms of payment are "NET 30 Days." The time allowed for payment shall begin based on the invoice date. A 1.5% per month service charge may be added to all unpaid balances beyond the initial 30 days. In its sole discretion, Fairway reserves the right to request payment before services and hold sample results for payment of due balances. We will not bill a third party without prior agreement among all parties acknowledging and accepting responsibility for payment.

SAMPLE COLLECTION AND SUBMISSION Clients not requesting collection services from Fairway are responsible for proper collection, preservation, packaging, and delivery of samples to the laboratory in accordance with current law and commercial practice. Fairway shall have no responsibility for sample integrity prior to the receipt of the sample(s) and/or for any inaccuracy in test or analyses results as a result of the failure of the client or any third party to maintain the integrity of samples prior to delivery to Fairway. All samples submitted must be accompanied by a completed chain of custody or similar document clearly noting the requested analyses, dates/time sampled, client contact information, and trail of custody.

SUBCONTRACTING Some analyses may require subcontracting to another laboratory. Unless the client indicates otherwise, this decision will be made by Fairway. Subcontracted work will be identified on the final report in accordance with NELAC requirements.

RETURN OF RESULTS Fairway routinely provides faxed or verbal results within 10 working days of receipt of sample(s) and a hard copy of the data results is routinely received via US Postal Service within 15 working days. At the request of the client, Fairway may offer expedited return of sample results. Surcharges may apply to rush requests. All rush requests must be pre-approved by Fairway. We reserve the right to charge an archive retrieval fee for results older than one (1) year from the date of the request. All records will be maintained by Fairway for 5 years, after which, they will be destroyed.

SAMPLE DISPOSAL Fairway will maintain samples for four (4) weeks after the sample receipt date. Fairway will dispose of samples which are not and/or do not contain hazardous wastes (as such term is defined by applicable federal or state law), unless prior arrangements have been made for long-term storage. Fairway reserves the right to charge a disposal fee for the proper disposal of samples found or suspected to contain hazardous waste. A return shipping charge will be invoiced for samples returned to the client at their request.

HAZARD COMMUNICATION The client has the responsibility to inform the laboratory of any hazardous characteristics known or suspected about the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

WARRANTY AND LIMITATION OF LIABILITY For services rendered, Fairway warrants that it will apply its best scientific knowledge and judgment and to employ its best level of effort consistent with professional standards within the environmental testing industry in performing the analytical services requested by its clients. We disclaim any other warranties, expressed or implied by law. Fairway does not accept any legal responsibility for the purposes for which client uses the test results.

LITIGATION All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Fairway Laboratories, Inc. shall be invoiced by Fairway and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations and for any and all other expenses associated with said litigation.

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#1 COC # 6A3034 Page 1 of 2

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS			FAIRWAY LABORATORIES INC.					Analyses Requested				Comments		
Client Name:	Address:	Contact:	Receiving Info	Y	N	Grab or Composite	Soil	Water	Other? Explain	# of Containers				
Jericho Land Resources 202 Parkwest Drive Pittsburgh, PA 15275		Clint Brister 817.946.9772	Custody Seals Seals intact? Received on ice? COC/ Labels agree? Correct containers? Correct preservation? VOA head space											
Project Name: Quote/PO #:	TAT:		Sample Temp:											
Normal Rush Date Required:	Report to PADEP?		PWSID #:											
FLI use only	Sample Description / Location	Sample Date	Sample Time											
	Gorrells Run Road													
	Well	1/12/2016	11:15			G	X			3	X			
Signature	Date	Time	Remarks											
	1/17/16	11:15	Circle One : PA (W) OH											
Received by:	1/13/16	1530	Field pH & Temp = 7.17 @ 9.9°C											
Relinquished by:	1/14/16	2000	1 Week TAT											
Received by:														
Relinquished by:	1/21/16	20:0												
Received by:														

2019 9th Avenue, P.O. Box 1925, Altoona, PA 16602 • P: 814-946-4306/F: 814-946-8791 • www.fairwaylaboratories.com

01/29/2016

Chain of Custody Receiving Document 22

Page of

42

Receiver: CB

Date/Time of this check: 12/16 8:17 Client: DEW Lab # 6A13034

Received on ICE? * Sample Temperature when delivered to the Lab: 0.4 Acceptable? * or In cool down process? *
(Not applicable for WV compliance)

Custody Seals? Intact?

COC/Labels on bottles agree? * Correct containers for all the analysis requested? * Matrix: WATER

COC #	Number and Type of BOTTLES										Comments
	Poly Non-Pres.	Poly H2SO4	Poly HNO3	Amber H2SO4	Amber Non-Pres.	Poly NaOH	VOCS (Head space?)	Other	Properly Preserved	Bacti	
<u>WEL</u>	<u>2</u>		<u>1</u>					<input type="checkbox"/> *	<input checked="" type="checkbox"/> *		

<p>* DEVIATION PRESENT:</p> <p><input type="checkbox"/> No Ice ()</p> <p><input type="checkbox"/> Not at Proper Temperature ()</p> <p><input type="checkbox"/> Wrong Container ()</p> <p><input type="checkbox"/> Missing Information: ()</p>	<p>CLIENT CALLED:</p> <p>YES ()</p> <p>By Whom: _____</p> <p>Date: _____</p>	<p>CLIENT RESPONSE:</p> <p>Proceed with analysis; qualify data ()</p> <p>Will Resample ()</p> <p>Provided Information ()</p> <p>No Response; Proceed and qualified ()</p> <p>Client Contact: _____</p> <p>Date: _____</p>
---	---	---

* Comments: _____

6A 13034 #3

SITE VISIT FORM - QUESTIONNAIRE

Page 6 of 10

Part A: General Information																																																			
Sample ID: <u>Well</u>		Owner's Name: <u>Harold Jr. & Deborah Hollaway</u>																																																	
Sampled By: <u>Lindsay Daugherty</u>		Date Sampled: <u>1/12/16</u>																																																	
Person Interviewed (circle one): <u>Owner</u> Resident Other:																																																			
PROPERTY OWNER		RESIDENT OR OTHER																																																	
Name: <u>Harold Jr. & Deborah Hollaway</u>		Name: <u>Harold & Deborah's son</u>																																																	
Address: <u>12 Bridgeway</u>		Address: <u>Gorrells Run Road</u>																																																	
Address: <u>Middlebourne, WV 26149</u>		Address: <u>same</u>																																																	
Phone No.: <u>304-758-4059</u>		Phone No.: <u>same</u>																																																	
Part B: Water Quality																																																			
Visual Inspection (prior to treatment)		Type of Treatment System	Type of Pump																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td>Yes</td> <td>No</td> </tr> <tr> <td>Staining</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Odor</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Cloudiness</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Sheen</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Taste bad</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table>			Yes	No	Staining	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Odor	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cloudiness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sheen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Taste bad	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>None</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Softening</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Chlorination</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Iron Removal</td> <td><input type="checkbox"/></td> </tr> <tr> <td>In-line sediment filter</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Charcoal filter</td> <td><input type="checkbox"/></td> </tr> <tr> <td>UV light</td> <td><input type="checkbox"/></td> </tr> <tr> <td>ph Adjust</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Other</td> <td><input type="checkbox"/></td> </tr> </table>	None	<input checked="" type="checkbox"/>	Softening	<input type="checkbox"/>	Chlorination	<input type="checkbox"/>	Iron Removal	<input type="checkbox"/>	In-line sediment filter	<input type="checkbox"/>	Charcoal filter	<input type="checkbox"/>	UV light	<input type="checkbox"/>	ph Adjust	<input type="checkbox"/>	Other	<input type="checkbox"/>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>None</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Gas Piston</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Submersible</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Windmill</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Jet</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Other</td> <td><input type="checkbox"/></td> </tr> </table>	None	<input type="checkbox"/>	Gas Piston	<input type="checkbox"/>	Submersible	<input checked="" type="checkbox"/>	Windmill	<input type="checkbox"/>	Jet	<input type="checkbox"/>	Other	<input type="checkbox"/>
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Jet	<input type="checkbox"/>																																																		
Other	<input type="checkbox"/>																																																		
Part C: Water Source Information																																																			
Coordinates: (deg/min/sec in NAD83) Lat <u>39.49456</u> Long <u>-80.83764</u> Elevation <u>1090'</u>																																																			
Distance from residence <u>~10 feet</u>		Distance from proposed gas well <u>~1030 feet</u>																																																	
Supply Type	Water Use	Well Data	Spring Data																																																
Well No. <u>1</u>	Domestic (drinking, cooking, laundry) <u>Yes</u>	Drilled Well <u>Yes</u>	Gravity Feed <u> </u>																																																
Spring No. <u> </u>	Husbandry <u>No</u>	Depth of Well <u>150</u>	Pump <u> </u>																																																
Cistern <u> </u>	Irrigation <u> </u>	Dug Well <u> </u>	Spring House <u> </u>																																																
Public Water <u>No</u>	Other <u> </u>	Static Level <u>~20 feet</u>	Underground Vault <u> </u>																																																
Other <u> </u>		Does well go dry? <u>Yes</u>																																																	
		If 'Y' how often? <u> </u> <small>if not monitored</small>																																																	
		Previously sampled? <u>No</u>																																																	
		By whom? <u> </u>																																																	
		Willing to share results? <u> </u>																																																	
SAMPLED:		SAMPLING POINT LOCATION:																																																	
Before Treatment <input type="checkbox"/>	Inside faucet <input type="checkbox"/>	Bailed from spring <input type="checkbox"/>																																																	
After Treatment <input type="checkbox"/>	Outside faucet <input type="checkbox"/>	Wellhead <input type="checkbox"/>																																																	
No Treatment <input checked="" type="checkbox"/>	Pressure tank <input checked="" type="checkbox"/>	Overflow <input type="checkbox"/>																																																	
	Bailed from well <input type="checkbox"/>	Pump house <input type="checkbox"/>																																																	
Was the water source purged before sampling Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, volume (gal.) and/or time (min) pumped <u> </u> <small>1 gallon (homeowner request)</small>																																																			
How many water sources <u>1</u> Do these sources supply any other property No <u> </u>																																																			

Hollaway, H. - Well
LA13034 #4

Page 7 of 10

SITE VISIT FORM - QUESTIONNAIRE

Page 2 of 2

List all Sources:

Well

Is the water source(s) located on the property: Yes

If No, please explain:

PART E: DESCRIPTION OF WATER SOURCE

- Loose, missing, or damaged well cap (circle one)
- Evidence of insects, spiders, animals in well cap
- Cracked or damaged well casing
- Missing/damaged pit-less adaptor
- Water source open to surface water
- Additional storage or holding tank/coyote system
- Malfunctioning treatment system

per homeowner

Number of persons using this water source 1

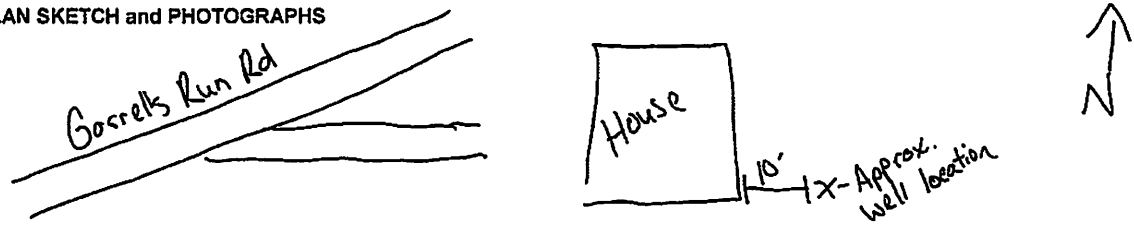
Depth to water level: ~20 feet ft. Date Drilled unknown

Size of cistern or Pressure Tank 25 gal. Actual size Estimated size Unknown

PART F: DESCRIPTION OF AREA SURROUNDING WATER SOURCE (check all that apply)

- Ground Sloping toward water source
- Water source down gradient of septic system
- Signs of failing septic, soggy ground, foul odor (circle all that apply)
- Close proximity to garden, orchard, greenhouse. Approximate distance: _____
- Close proximity to junkyard, dumping area, landfill. Approximate distance _____
- Close proximity to fuel storage tanks, equipment storage areas, garage. Approximate distance _____
- Located in field with livestock, barn, barnyard, other out building. Approximate distance _____
- Close proximity to salt storage area, salted roadway. Approximate distance: _____

PART G: PLAN SKETCH and PHOTOGRAPHS



PART H: ACKNOWLEDGEMENT

I hereby acknowledge that I have supplied the correct information to the best of my knowledge.

Technician Signature: _____

Date: 1/12/16

01/29/2016

WELL	APC Pignut Hickory 1V-1	
PURVEYOR	Hollaway, H.	
ADDRESS	Corrells Run Rd	
SOURCE	well	
DATE/TIME	1/12/15 11:15	ELEV
PS LAT	39.49456	1091
LONG	-80.83764	





I
New

9502340

Operator: ALLIANCE PETROLEUM COR API: 9502340

WELL No: PIGNUT HICKORY 1 V-1

Reviewed by: [Signature] Date: 1/26/2016

15 Day End of Comment: 01/14/16

CHECKLIST FOR FILING A PERMIT

Vertical Well

Ck# 53384

Spot

- WW-2B
- Inspector signature on WW-2B
- WW-2A (Notarized)
- Certified Mail Receipts, Waivers, or Affidavits of Personal Service
- Surface Owner Waiver
- Coal Owner / Lessee /Operator Waiver
- WW-2A-1 (Signed) Showing Book/Page Number and Royalty Percentage NCD - Neal Farm out
- WW-2B-1 (Names, addresses, and spot on topographical map listed as water testing)
- WW-9 (Page 1 & 2) (Notarized)
- No More than 5,000 bbls
- Inspector Signature on WW-9
- Reclamation plan
- Topographic Map of location of well
- Mylar Plat (Signed and Sealed) (Surface owner on plat matches WW-2A)
- Bond
- Company is Registered with the SOS
- Worker's Compensation / Unemployment Insurance account is OK
- \$650.00 check (~~\$550.00 if no pit~~)
- Mine Data
- Addendum
- Flow Distance to Nearest Intake
- Horizontal Rule Series 8 Effective August 30, 2011-Well Sites Greater Than 3 Acres
 - Erosion and Sediment Control Plan
 - Site Construction Plan
 - Well Site Safety Plan
- Water Management Plan (Plan to withdraw 210,000 gallons or more during any one month period)
- Within a Municipality
 - Class I Legal Advertisement in Newspaper for first permit on well pad
- Professional Engineer/Company has COA

01/29/2016

Hankins, Melanie S

From: Clint Brister <cbrister@jericho-row.com>
Sent: Thursday, January 14, 2016 10:31 AM
To: Hankins, Melanie S
Cc: Stansberry, Wade A; McLaughlin, Jeffrey W; 'Wally Muske'; t_mac1215@yahoo.com
Subject: Pignut Hickory 1 V-1 Vertical Well Permit
Attachments: Pignut Hickory 1 V-1 for WV DEP.pdf

Hi Melanie,

I spoke with Jeffrey McLaughlin last week who told me to email you regarding updating a vertical well permit we submitted recently. See attached pdf bundle containing a cover letter, revised Landowner letter, and a revised radius map for water sampling and testing. Please let me know if you have any questions.

Thank you,

Clint Brister
Consultant for Jericho
817.946.9772
cbrister@jericho-row.com
www.jericho-row.com





1.14.2016

West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304

To whom it may concern:

The WV DEP, Office of Oil and Gas, received a Vertical Well permit package on December 30, 2015, for a project in Tyler County on behalf of the Operator, Alliance Petroleum Corporation. The Operator's # was called Pignut Hickory 1 V-1. Contained within the package was a letter, radius map, and plat identifying two water wells that were to be sampled and tested. The Landowner that contained the two water wells could not be reached via phone or in person, so it was then decided to pursue alternatives. A water well on another Landowner was found within the 2,000 foot radius. This Landowner was able to be reached via phone to sample and test. Therefore, enclosed is the revised letter and radius map indicating this new water well location and the new Landowner. Per conversations with Jeffrey McLaughlin, we've made a note on the radius map that this new location will not match the signed plat currently on file. Once the tests are received for this water well, we will send a copy to your office and a copy to the Landowner. Please contact us if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "Clint Brister".

Clint Brister *Permit Agent*
Jericho Land Resources
817-946-9772

01/29/2016



WELL OPERATOR: Alliance Petroleum Corporation
WELL OPERATOR #: Pignut Hickory 1 V-1

Notice to Surface Owner or Resident

The initial mapping review of the area surrounding the proposed well site revealed the below listed surface owner(s) that was potentially utilizing groundwater (potable) for consumption or other purposes within 2,000' radius of the proposed well site. The following surface owner(s) will be notified of the opportunity to request a water sample should it be necessary. **Please note that the following information listed below could be subject to change upon further field inspection.*

Surface Owner or Resident Notified:

Owner: Gary Forrester
Address: RR 2 Box 302 A, Middlebourne, WV 26149
Phone: (304) 758-0121
Comments: Water Sampling Location 1, Tax Parcel # 2-22-1.3

Owner: Gary Forrester
Address: RR 2 Box 302 A, Middlebourne, WV 26149
Phone: (304) 758-0121
Comments: Water Sampling Location 2, Tax Parcel # 2-22-1.3

RECEIVED
Office of Oil and Gas

DEC 30 2015

WV Department of
Environmental Protection

01/29/2016