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

February 04, 2016

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-9502331, 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: YELLOW BIRCH 1 V-1
Farm Name: CLARK, ARTHUR C. & TERESA K
API Well Number: 47-9502331
Permit Type: Vertical Well
Date Issued: 02/04/2016

WW - 2B
(Rev. 8/10)

9502331 Ck# 0053694 $650.00

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 | Porters Falls 7.5' 554
Operator ID | County | District | Quadrangle

2) Operator's Well Number: Yellow Birch 1 V-1 3) Elevation: 1270'

4) Well Type: (a) Oil x or Gas x

(b) If Gas: Production x / Underground Storage _____

Deep _____ / Shallow X

5) Proposed Target Formation(s): Benson Proposed Target Depth: 4650'
6) Proposed Total Depth: 4750' Feet Formation at Proposed Total Depth: Devonian Shale
7) Approximate fresh water strata depths: 48' to 200'
8) Approximate salt water depths: 1260' - 1830'

9) Approximate coal seam depths: Pittsburgh Coal 350' - 355'

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

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 zones in the Riley - Benson Shale.
1500 bbls in each zone - slick water and sand or foam fracture.

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NOV 20 2015
WV Department of Environmental Protection

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		380'	CTS - 184 Cu.Ft.
Coal						
Intermediate	7"	J-55	17.0 #/ft		1850'	CTS - 370 Cu.Ft.
Production	4-1/2"	J-55	10.5 #/ft		4730'	158 Cu.Ft.
Tubing	1-1/2"	J-55	2.75 #/ft		4650'	
Liners						

Packers: Kind: _____
Sizes: _____
Depths Set _____

9502331

WW-2A
(Rev. 6-14)

1). Date: November 6, 2015

2.) Operator's Well Number Yellow Birch 1 V-1

3.) API Well No.: State 47- County 095 - Permit

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 Arthur C. Clark
Address 4047 Tyler Road
Ewell, MD 21824
(b) Name Teresa K. Swann (*F.K.A. Teresa K. Clark*)
Address 36964 Chandler Drive
Selbyville, DE 19975
(c) Name
Address

5) (a) Coal Operator
Name
Address

(b) Coal Owner(s) with Declaration
Name
Address

Name
Address

6) Inspector Derek M. Haught
Address P.O. Box 85
Smithville, WV 26178
Telephone (304) 206-7613

(c) Coal Lessee with Declaration
Name
Address

TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:

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

OR

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

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

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

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

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

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

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

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Office of Oil and Gas
NOV 20 2015
WV Department of
Environmental Protection

Subscribed and sworn before me this 20 day of November, 2015

Notary Public

My Commission Expires 4/14/2018

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

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov

9502331

SURFACE OWNER WAIVER

County Tyler

Operator Alliance Petroleum Corporation

Operator well number Yellow Birch 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 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

_____ Date _____
Signature

_____
Print Name

FOR EXECUTION BY A CORPORATION, ETC.

Company Name _____

By _____

Its _____ Date

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Office of Oil and Gas
NOV 20 2015
WV Department of Environmental Protection

Signature Date

WW-2A1
(Rev. 1/11)

Operator's Well Number Yellow Birch 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
BRC Appalachian Mineral I LLC	BRC Working Interest Company LLC	Exceeds 12.5%	369/300
BRC Appalachian Minerals I LLC	BRC Working Interest Company LLC		369/648
BRC Appalachian Mineral I LLC	OXY USA INC.		369/814
BRC Working Interest Company LLC	Chesapeake Appalachia LLC		369/784
Chesapeake Appalachia LLC	Statoil USA Onshore Properties Inc		378/764
Chesapeake Appalachia LLC	Statoil USA Onshore Properties Inc		423/165
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:

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- 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: Alliance Petroleum Corporation
By: Its: Designated Agent

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 25, 2016**. **Statoil USA Onshore Properties Inc.**, whose address is 2103 CityWest Boulevard Suite 800, Houston, TX 77042, shall herein after 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 herein after be called "Grantee", the following described properties, rights and interests located in Harrison and Tyler Counties, 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 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 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 that certain Farmout Agreement dated April 7, 2015 by and between Statoil USA Onshore Properties Inc. and Alliance Petroleum Corporation ("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 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

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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.

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: _____

Its: A. J. Kieke, Jr.
Authorized Person

GRANTEE:

ALLIANCE PETROLEUM CORPORATION

_____

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

STATE OF TEXAS '

COUNTY OF _____ '

This instrument was acknowledged before me on this 27 day of January, 2016 by A. J. Kieke, Jr. as Authorized Person of STATOIL USA ONSHORE PROPERTIES INC., a Delaware corporation, on behalf of said corporation and in the capacities herein expressed.

_____
Notary Public

My Commission Expires:

WALLY ANTHONY SISKA
My Commission Expires
April 16, 2017

STATE OF OHIO '

COUNTY OF STARK '

This instrument was acknowledged before me on this 2nd day of February, 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.

_____
Notary Public

My Commission Expires:
3-28-16

NOTARIAL SEAL
STATE OF OHIO

Ellen K. Flamm
Notary Public, State of Ohio
My Commission Expires 08-28-2016

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Exhibit "A"

Attached to and by reference made a part thereof that certain Assignment and Conveyance dated January 25 2016, from Statoil USA Onshore Properties Inc. to Alliance Petroleum Corporation

Tract Index #	Lessor	Original Lessee	Effective Date	Recording Date	Recording Info - Book	Recording Info - Page	State	County	District/Township	Tax Map Number	Parcel Number	Gross Acres
19	Robert Eugene and Betty Ann Clark	PetroEdge Energy, LLC	4/10/2013	7/19/2013	142	609	West Virginia	Wetzel	Green	15	6	53.250
124	BRC Mineral Company, LLC	BRC Working Interest Company, LLC	8/27/2009	10/14/2009	369	648	West Virginia	Tyler	Ellsworth	8	7.1	98.380
126	Danny M. Moore	Statoil USA Onshore Properties Inc	12/1/2014	12/30/2014	466	239	West Virginia	Tyler	Ellsworth	8	7.3	1.670
220	BRC Mineral Company, LLC	BRC Working Interest Company, LLC	8/27/2009	10/14/2009	369	648	West Virginia	Tyler	Ellsworth	12	5	60.000
220	Rosalie B. Henry	PetroEdge Energy, LLC	9/19/2011	10/26/2011	388	227	West Virginia	Tyler	Ellsworth	12	5	60.000
731	Walter R. Myers	PetroEdge Energy, LLC	5/10/2013	3/26/2013	411	353	West Virginia	Tyler	Ellsworth	12	2, 3, 4, 4.1, 4.2, 4.3	162.621

95023331

EXHIBIT "B"

Attached to and by reference made a part thereof, that certain Assignment and Conveyance dated January 25, 2016, from Statoil USA Onshore Properties Inc. to Alliance Petroleum Corporation;

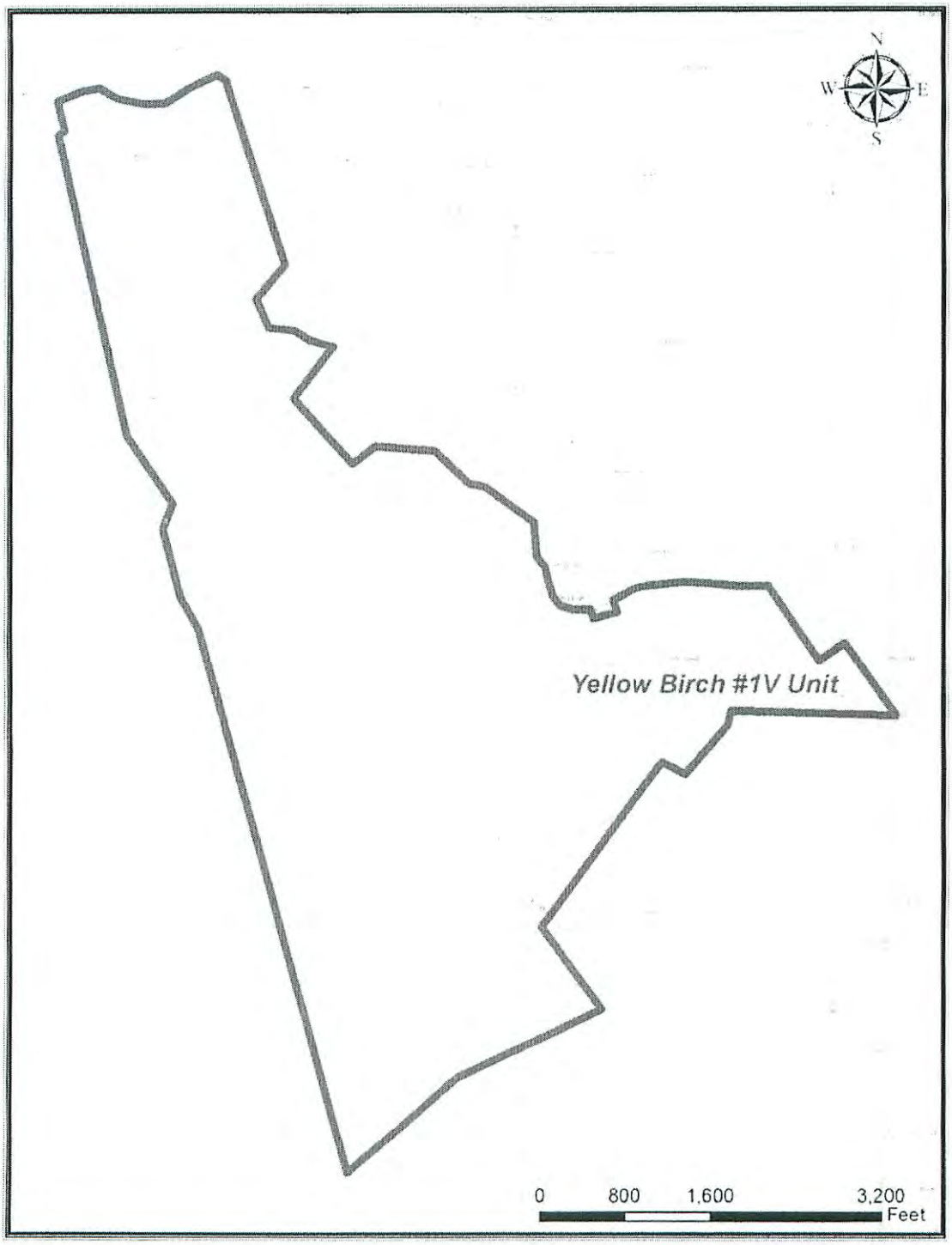

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EXHIBIT "C"

Attached to and by reference made a part thereof, that certain Assignment and Conveyance dated January 25, 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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FEB 03 2016

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DEC 08 2015

HYDROCARBON DEED AND CONVEYANCE
(Tyler County, West Virginia)

This **HYDROCARBON DEED AND CONVEYANCE** ("Deed") is executed as of October 21, 2009, but is made effective for all purposes as of 7:00 A.M. Central Time on September 1, 2009 ("Effective Time"), by **BRC APPALACHIAN MINERALS I LLC**, a Delaware limited liability company, whose address is 200 Crescent Ct., Suite 200, Dallas, TX 75201 (the "Grantor"), to and for the benefit of **OXY USA INC.**, whose address is 5 Greenway Plaza, Suite 110, Houston, TX 77046 (the "Grantee"), subject to the terms and conditions of that certain Purchase and Sale Agreement dated as of September 24, 2009 ("Purchase Agreement"), by and between Grantor and Grantee. All capitalized terms used herein but not expressly defined herein shall have the meaning ascribed to such terms in the Purchase Agreement.

WITNESSETH:

Grantor, in consideration of ten dollars ($10.00) and other good and valuable consideration, the receipt of which is hereby acknowledged as paid by Grantee to Grantor, has granted, deeded, sold, conveyed, transferred, assigned and delivered, and by these presents does hereby grant, deed, sell, convey, transfer, assign and deliver unto the said Grantee a fifty percent (50%) undivided interest (on an eight-eights (8/8ths) basis) in all of the right, title and interest owned by Grantor in and to all oil, gas or other hydrocarbon mineral interests, other rights and interests to oil, gas or other hydrocarbons in place, mineral servitudes in, on or under or that may be produced from the lands described in Exhibit A, attached hereto, and all rights of ingress and egress at all times for the purpose of drilling (either vertically, horizontally or directionally), exploring, producing and marketing oil, gas, and other minerals produced from such rights and interests, and removing the same therefrom and the right to conduct geophysical and other exploratory tests (including core drilling and seismic testing), including the right to use all and any part of the surface of said land as may be necessary or convenient in connection with all of any of said purposes(hereinafter collectively, "Hydrocarbon Interests"); provided, however, the Hydrocarbon Interests shall in no event include any rights or interests in or to the surface of any lands except Grantee's non-exclusive right described above to use the surface overlying the tracts or parcels covering the Hydrocarbon Interests as may be reasonably necessary or convenient and as appropriate under applicable Laws to own, operate, explore and develop the Hydrocarbon Interests.

This Deed is made and accepted to subject to (a) the Purchase Agreement, (b) and all Permitted Encumbrances (as defined in the Purchase Agreement), including, but not limited to any and all rights now existing to any lessee or assigns under any valid and subsisting oil and gas lease of record heretofore executed and any royalties, overriding royalties, non participating royalty interests, net profits interests, reversionary interests and any other royalty interests described on Exhibit A; it being understood and agreed that said Grantee shall have, receive, and enjoy the herein granted fifty percent (50%) undivided interest (on an eight-eighths (8/8ths) basis) in and to all bonuses, rents, royalties and other benefits which may accrue under the terms of said lease or future leases insofar as it covers the lands described on Exhibit A from and after the date hereof. To the extent that there is an express conflict between the terms of this Deed and the Purchase Agreement, the terms of the Purchase Agreement shall govern and control.

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TO HAVE AND TO HOLD the Hydrocarbon Interests unto Grantee, its successors and assigns forever with all and singular the rights, privileges and appurtenances thereunto or in any way belonging to said Grantee herein, and Grantor does hereby bind itself, its successors and assigns to warrant and forever defend all and singular the title to the Hydrocarbon Interests unto Grantee, its successors and assigns, against every person lawfully claiming or to claim the same, or any part thereof, by, through or under Grantor, but not otherwise, save and except the Permitted Encumbrances.

Except as specifically set forth herein or in the Purchase Agreement, Grantor makes no warranties or representations, express or implied, in connection with the Hydrocarbon Interests and without limiting the generality of the foregoing, GRANTOR (1) MAKES NO AND EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, IN THIS OR ANY OTHER INSTRUMENT, AGREEMENT OR CONTRACT DELIVERED HEREUNDER OR IN CONNECTION WITH THE TRANSACTIONS CONTEMPLATED HEREUNDER OR THEREUNDER AS TO (I) TITLE TO ANY OF THE HYDROCARBON INTERESTS, (II) THE CONTENTS, CHARACTER OR NATURE OF ANY DESCRIPTIVE MEMORANDUM, OR ANY REPORT OF ANY PETROLEUM ENGINEERING CONSULTANT, OR ANY GEOLOGICAL OR SEISMIC DATA OR INTERPRETATION, RELATING TO THE HYDROCARBON INTERESTS, (III) THE QUANTITY, QUALITY OR RECOVERABILITY OF PETROLEUM SUBSTANCES IN OR FROM THE HYDROCARBON INTERESTS, (IV) THE EXISTENCE OF ANY PROSPECT, RECOMPLETION, INFILL OR STEP-OUT DRILLING OPPORTUNITIES, (V) ANY ESTIMATES OF THE VALUE OF THE HYDROCARBON INTERESTS OR FUTURE REVENUES GENERATED BY THE HYDROCARBON INTERESTS, (VI) THE PRODUCTION OF PETROLEUM SUBSTANCES FROM THE HYDROCARBON INTERESTS, OR WHETHER PRODUCTION HAS BEEN CONTINUOUS, OR IN PAYING QUANTITIES, OR ANY PRODUCTION OR DECLINE RATES, (VII) THE MAINTENANCE, REPAIR, CONDITION, QUALITY, SUITABILITY, DESIGN OR MARKETABILITY OF THE HYDROCARBON INTERESTS, (VIII) INFRINGEMENT OF ANY INTELLECTUAL PROPERTY RIGHT, OR (IX) ANY OTHER RECORD, FILES OR MATERIALS OR INFORMATION THAT MAY HAVE BEEN MADE AVAILABLE OR COMMUNICATED TO GRANTEE OR ITS AFFILIATES, OR ITS OR THEIR EMPLOYEES, AGENTS, CONSULTANTS, REPRESENTATIVES OR ADVISORS IN CONNECTION WITH THE TRANSACTIONS CONTEMPLATED BY THIS DEED OR THE PURCHASE AGREEMENT OR ANY DISCUSSION OR PRESENTATION RELATING THERETO, AND (2) FURTHER DISCLAIMS ANY REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR CONFORMITY TO MODELS OR SAMPLES OF MATERIALS OF ANY EQUIPMENT. GRANTEE HAS INSPECTED, OR WAIVED ITS RIGHT TO INSPECT THE HYDROCARBON INTERESTS FOR ALL PURPOSES AND SATISFIED ITSELF AS TO THEIR PHYSICAL AND ENVIRONMENTAL CONDITION, BOTH SURFACE AND SUBSURFACE, INCLUDING BUT NOT LIMITED TO CONDITIONS RELATED TO THE PRESENCE, RELEASE, OR DISPOSAL OF HAZARDOUS SUBSTANCES, SOLID WASTES, ASBESTOS AND OTHER MAN MADE FIBERS, AND IT BEING EXPRESSLY UNDERSTOOD AND AGREED BY THE PARTIES HERETO THE HYDROCARBON INTERESTS ARE BEING TRANSFERRED "AS IS, WHERE IS," WITH ALL FAULTS AND

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DEC 08 2015

Given under my hand this 21st day of October, 2009, but effective for all purposes as of the Effective Time.

BRC APPALACHIAN MINERALS I LLC

By: _____
Name: Jonathan A. Siegler
Title: Executive Vice President and Chief Financial Officer

ACKNOWLEDGMENT

STATE OF TEXAS;

COUNTY OF DALLAS;

On this the 21st day of October, 2009, before me Angel Harader, the undersigned officer, personally appeared Jonathan A. Siegler, who acknowledged himself to be the Executive Vice President and Chief Financial Officer of **BRC APPALACHIAN MINERALS I LLC**, a Delaware limited liability company, and that he as such managing member, being authorized to do so, executed the foregoing instrument on behalf of said company for the purposes therein contained by signing the name of the company by himself as Executive Vice President and Chief Financial Officer.

_____
Notary Public in and for
The State of Texas
Name: Angel Harader
My Commission Expires
5-29-2013

[NOTARY SEAL]

ANGELEE CHERI HARADER
Notary Public, State of Texas
My Commission Expires
May 29, 2013

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GRANTEE:

OXY USA Inc.

By: Wm. C. Irons
Name: Wm. C. Irons
Title: Attorney-in-Fact

ACKNOWLEDGMENT

STATE OF TEXAS §

COUNTY OF DALLAS §

This instrument was acknowledged before me on October 21, 2009, by Wm. C. Irons, Attorney in Fact of OXY USA Inc., a Delaware Corporation.

Angel Harader

Notary Public in and for the State of Texas
Notary's name printed: Angel Harader

ANGELEE CHERI HARADER
Notary Public, State of Texas
My Commission Expires
May 29, 2013

Notary's commission expires: 5-29-2013

This document prepared by:

BRC APPALACHIAN MINERALS I LLC
200 Crescent Ct., Suite 200
Dallas, TX 75201

Return to:

Attn: Kathryn Ortt
Land & Resource Management, Inc.
900 Core Road
Parkersburg, WV 26104

WCT

DEFECTS, AND THAT GRANTEE HAS MADE OR CAUSED TO BE MADE SUCH INSPECTIONS AS GRANTEE DEEMS APPROPRIATE.

Grantor agrees to execute any further written instruments deemed necessary or convenient by Grantee, Grantee's successors or assigns to carry out the purposes of this instrument, including but not limited to an instrument that more completely or accurately describes the Hydrocarbon Interests being conveyed herein, division orders, transfer orders, correction hydrocarbon conveyances, and correction of legal description(s).

DECLARATION OF CONSIDERATION OR VALUE

Each of the undersigned hereby declares:

The total consideration paid for the property conveyed by the document to which this declaration is appended is $4,125,102.22.

Remainder of Page Intentionally Left Blank. Signature Page(s) to Follow.

KATHY OKTT
900 COKE ROAD
PARKERSBURG, WV 26104-2955

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LORA G THOMAS
TYLER County 03:14:37 PM
Instrument No 41711
Date Recorded 10/27/2009
Document Type DEED
Book-Page 369-814
Recording Fee $27.00
Transfer Tax $18,152.20
Additional $27.00

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Exhibit A
Hydrocarbon Interests

State	County	District	Tax Map-Parcel	Gross Acres	Net Mineral Acres	ORRI to Ross-Waco	Grantor	Grantee	Deed Book	Deed Page	Conveyance Date
WV	Tyler	Centerville	1226	210.730	105.365	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	4, 5, 9po 4-20, 5-7, 8, 9, 10, 18, 19, 9-5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 17	111.930	5.597	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	53	105.000	42.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	719	102.530	70.489	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	16po 17, 19, 21, 21.1	92.500	4.649	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	101	78.000	2.228	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	17PO 7.3, 7.5, 7.6, 7.7, 7.8, 7.9	70.000	8.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	14-6	65.000	32.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	1120	50.500	0.361	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	9po 4	47.500	23.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	2025	41.000	41.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	719.2	40.000	35.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	4po 10.7	39.660	1.983	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	156.1	39.070	39.070	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	719.1	35.360	30.940	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	00	32.450	1.623	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	1227	28.000	14.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	20PO 7	25.000	6.250	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	15PO 1.1, 28	22.250	11.125	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	17po 1.3, 25	18.500	1.156	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	4,84-17, 20, 20.1, 8-23, 23.1, 23.2	10.000	0.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	12-9.4	8.880	4.440	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	1716	7.900	1.481	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	1714	6.000	0.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	15po 3.3	2.000	2.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	17PO 7.3, 7.5, 7.6, 7.7, 7.8, 7.9	0.000	8.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	16po 17, 19, 21, 21.1	0.000	11.563	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009

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Attached to and made a part of that certain Hydrocarbon Deed and Conveyance dated October 21, 2009, by and between BRC Appalachian Minerals I LLC, as Grantor and GXY USA Inc., as Grantee

8502331

Exhibit A
Hydrocarbon Interests

State	County	District	Tax Map-Parcel	Gross Acres	Net Mineral Acres	ORRI to Ross Wash	Grantor	Grantee	Deed Book	Deed Page	Conveyance Date
WV	Tyler	Centerville	16po 17, 19, 21, 21 1	0.000	4.649	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	398	546	7/6/2009
WV	Tyler	Centerville	16po 17, 19, 21, 21 1	0.000	4.649	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	16po 17, 19, 21, 21 1	0.000	4.649	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	16po 17, 19, 21, 21 1	0.000	2.325	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	101	0.000	2.228	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	101	0.000	2.228	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	1120	0.000	0.601	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	1120	0.000	0.361	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	1120	0.000	0.361	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	1120	0.000	0.361	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	1120	0.000	0.120	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	1120	0.000	0.120	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	1120	0.000	0.120	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Centerville	16PO 17, 19, 21, 21 1	0.000	0.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	PO 27,29,30PO 27 26,Po 29 6, 8, 9,10, PO 30 1, 2, 3	427.500	106.875	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	19, 25po 19-4,3, 50, 51, 52, 53, 25-1, 2	292.200	24.349	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	PO 20,1630-97, 26-1, 2, 3	255.040	63.760	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	2,3,52-21, 3-44, 44 1, 44 2, 44 3, 44 4, 44 5, 5-1	155.000	14.091	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	6po 12, 12 1, 12 2, 13, 13.1, 13.2	137.000	27.400	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	17PO 22, 37, 37.1, 37.2	135.030	67.515	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	16PO 12, 14	122.000	61.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	10PO 65	118.880	6.605	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1439 1	110.800	27.700	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	14-39 2,47 48	109.250	15.607	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	EPO 36	107.550	107.550	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	6po. 33, 33 1, 34, 34 1, 35, 35.1, 35.2, 35.3, 35 4	103.200	25.800	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	15-po 31,33	102.000	25.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	15po 30	100.000	50.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009

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Attached to and made a part of that certain Hydrocarbon Deed and Conveyance dated October 21, 2009, by and between BRC Appalachian Minerals I LLC, as Grantor and OXY USA Inc., as Grantee

9502331

Exhibit A
Hydrocarbon Interests

State	County	District	Tax Map-Parcel	Gross Acres	Net Mineral Acres	%ORRI to Boss Wacker	Grantor	Grantee	Deed Book	Deed Page	Conveyance Date
WV	Tyler	Ellsworth	87, 7 1	96.380	96 380	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	17PO 12, 14, 14 1, 14 2, 14 5, 14.6, 14.7, 14 8, 14 10, 19	93 500	93 500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	225	90.000	45 000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	77	85 000	42 500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	10PO 60, 65	83.250	4.625	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	14	81 940	20 485	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1610	80 750	80 750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	22PO 6	80 000	20 000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1225	78 180	7 818	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	15PO 5, 14	78.000	78.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	314, 21, 21 1	77.500	19.375	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	6po 22, 22 1, 22 2, 22 3	76.750	19.188	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1PO 4	81 840	2.558	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	10, 15po 10-52, 52, 15-8, 9	70 000	8 750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	16Po 42 42 1 42 2	69 310	0 000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	PO 14,20PO 20-1	69 000	69 000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	3, 4, 7po 3-39, 4-7, 8, 7, 1, 2, 2 1	69 000	5 750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	6PO 36	68 430	68 430	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1626.55	67 490	67 490	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	939	65 000	3 611	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1427	64 180	5 348	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1624	64 000	64 000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1621	61 730	61 730	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	213, 4	61 500	30 750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	125	60 000	30 000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	312, 12 1	59 750	11 618	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	16po 21, 21 1, 21 2, 21 3	58 810	29 405	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	9, 14PO 9-60, 61, 14 11	58 740	29 370	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009

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Exhibit A
Hydrocarbon Interests

State	County	District	Tax Map-Parcel	Gross Acres	Net Mineral Acres	ORRI to Ross Wood	Grantor	Grantee	Deed Book	Deed Page	Conveyance Date
WV	Tyler	Ellsworth	920	57.610	57.610	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	10, 15po 10-60, 15-1, 2	55.750	1.549	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	108	55.500	27.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1617	55.000	55.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	734	55.000	33.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	167, 7 1	54.500	27.250	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	17PO 63	54.000	27.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	26 45	52.900	39.675	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	109	52.000	52.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	53	50.500	3.607	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	11po 20	50.000	50.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	3PO 29, 30	50.000	37.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	17-56	50.000	16.667	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	239, 10	50.000	33.354	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	2 3PO 2-9, 3-48	47.000	3.022	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1457	45.850	1.911	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	16PO 25	43.500	43.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	11, 1 1, 1 2, 2 2 1, 2 2	43.500	21.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	11PO 17	43.000	21.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	5,6PO 5-5, 6, 42, 48, 48 1	43.000	21.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	7PO 24, 25, 29	41.710	0.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	11po 53, 54	40.750	10.188	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	20PO 41, 42	40.625	40.625	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1717	40.360	13.453	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	15PO 14	40.000	40.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1619	39.250	39.250	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1159	36.000	36.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	161	35.500	35.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009

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95023331

Exhibit A
Hydrocarbon Interests

State	County	District	Tax Map Parcel	Gross Acres	Net Mineral Acres	ORRI to Rost Wash	Grantor	Grantee	Deed Book	Deed Page	Conveyance Date
WV	Tyler	Ellsworth	6PD 36	35.000	35.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	7PD 7	35.000	35.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	10PD 2, 21	35.000	17.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1636, 37	35.000	11.667	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1177	35.000	5.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	6po 36	34.560	17.280	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1510	34.130	34.130	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	327	33.480	13.950	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	00	33.480	5.580	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	733	33.000	33.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	20po 51, 51.1, 51.2, 51.3, 51.4, 51.5, 51.6, 52, 53	33.000	24.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	7, 10po 7-32, 10-68	32.750	10.917	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	4PD 7	32.350	32.350	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	6PD 36	32.090	32.090	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	6PD 36	32.090	32.090	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1223	30.000	1.071	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	10-po 33	29.130	14.565	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	16PD 22	29.000	29.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	6 po 30.1	28.770	28.770	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1210	27.900	13.950	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	343, 43.1, 43.2	27.810	27.810	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	37	27.000	13.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	342	27.000	4.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1439	27.000	3.857	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	11po 20	25.370	25.370	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	6po 27	25.050	6.263	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	16PD 2,4	25.000	25.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	173	24.870	12.435	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009

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Exhibit A
Hydrocarbon Interests

State	County	District	Tax Map-Parcel	Gross Acres	Net Mineral Acres	ORRI to Rose Wash	Grantor	Grantee	Deed Book	Deed Page	Conveyance Date
WV	Tyler	Ellsworth	18po 8	24.753	24.753	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	6po 21, 21 2	23.830	11.915	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	3 po 12,40,41 1,41,45,46 1	23.500	1.424	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	11, 1 1, 1 2, 2, 2 1, 2 2	23.000	11.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	233, 4, 5	21.000	3.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1620	20.500	20.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	00	20.000	20.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	20107	18.890	2.361	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	00	18.500	18.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	16po 25	18.250	18.250	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	7372	17.130	17.130	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	269 1, 9 2, 9 3, 9 4, 9 5, 9 6, 9 7, 9 8, 9 9 9 10, 9 11	15.420	7.710	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	6PO 20	15.000	15.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	81	14.500	7.250	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	00	14.000	7.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	7 8PO 7-16,8-3, 8	13.000	13.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	16po 38	12.170	6.085	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	6PO 36	12.000	6.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	6PO 36	10.530	5.265	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	611 3	10.000	10.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1618	10.000	10.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	16PO 3,4	10.000	10.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	6PO 21, 21 1, 28, 29	10.000	10.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	00	10.000	7.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	6po 47	10.000	1.667	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	3po 33, 34	9.310	9.310	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	28po 37	8.500	8.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	6po 32	8.000	4.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009

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Hydrocarbon Interests

State	County	District	Tax Map-Parcel	Gross Acres	Net Mineral Acres	DRR1 to Ross Waco	Grantor	Grantee	Deed Book	Deed Page	Conveyance Date
WV	Tyler	Ellsworth	00	7.500	3.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	2057	7.500	3.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	16po 2	7.360	7.360	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	00	6.970	5.228	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	22po 22	6.380	6.380	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	00	6.130	3.065	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	20PO 85, 99	5.010	5.010	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1231	5.000	1.667	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	6PO 36	3.000	1.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1230	3.000	1.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1739 1	2.380	2.380	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	00	1.000	1.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	00	0.750	0.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	PO 20,2620 97, 26-1, 2, 3	0.000	63.760	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	14	0.000	61.380	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	17po 22, 37, 37 1, 37 2	0.000	61.015	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	327	0.000	16.625	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	10, 15po 10-60, 15-1, 2	0.000	27.970	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	734	0.000	27.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	14	0.000	21.428	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	9po 24, 25, 29	0.000	20.855	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	11po 53, 54	0.000	20.375	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	55	0.000	16.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1439 1	0.000	15.740	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	14-39 2,47,48	0.000	15.607	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	26po 26, 26 1, 44, 45	0.000	15.641	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	10, 35po 10-60, 15 3, 7	0.000	14.985	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	734	0.000	13.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009

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Exhibit A
Hydrocarbon Interests

State	County	District	Tax Map Parcel	Gross Acres	Net Mineral Acres	ORRI to Ross-Waco	Grantor	Grantee	Deed Book	Deed Page	Conveyance Date
WV	Tyler	Ellsworth	10PO 65	0.000	13.339	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	10PO 65	0.000	13.339	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	3-po 29,30	0.000	12.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	14	0.000	10.715	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	10PO 60, 65	0.000	9.250	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	10PO 60, 65	0.000	9.250	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	10, 13po 10-52, 52, 15 8, 9	0.000	8.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	10-po 13	0.000	7.283	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	14	0.000	7.143	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	McElroy Dist. Map 51	0.000	6.250	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1636, 37	0.000	5.833	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	312, 12 1	0.000	5.809	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	312, 12 1	0.000	5.809	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1427	0.000	5.351	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1427	0.000	5.348	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	20, 26po 20-97, 26 1, 2, 3	0.000	5.312	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	239, 10	0.000	4.545	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1636, 37	0.000	3.889	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	233, 4, 5	0.000	3.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	1457	0.000	1.880	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	10, 15po 10-60, 15-1, 2	0.000	1.554	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	2, 3po 2-9; 3-48	0.000	1.511	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	2, 3po 2-9; 3-48	0.000	1.511	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	00	0.000	0.871	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Ellsworth	2615	0.000	0.087	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	5, 9PO 7, 7 1, 8, 8 1, 8 2	224.680	112.340	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	7PO 8, 8 2, 9	153.000	76.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	5, 11PO 5-4, 11-43, 45, 46, 48, 49, 50, 51, 52, 54	151.140	151.140	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009

Attached to and made a part of that certain Hydrocarbon Deed and Conveyance dated October 21, 2009, by and between BRC Appalachian Minerals I LLC, as Grantor and OXY USA Inc., as Grantee

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Exhibit A
Hydrocarbon Interests

State	County	District	Tax Map Parcel	Gross Acres	Net Mineral Acres	ORRI to Ross Waco	Grantor	Grantee	Deed Book	Deed Page	Conveyance Date
WV	Tyler	Lincoln	5po 13, 14, 14.1, 15, 16, 17	150.760	15.075	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	8, 9po 8-61, 9-45, 45.1	142.500	23.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	7PO 5, 5.1, 5.2, 5.3, 5.3.3, 5.4, 5.5, 5.6, 8, 8.1	121.690	121.690	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	839, 39.1	115.130	57.565	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	2, 3po 7.8, 8.1, 8.2, 8.3, 8.4, 8.5, 3.47	108.890	27.223	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	917	103.000	103.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	910, 18	100.000	100.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	1255.55.1	100.000	50.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	4, 7po 3.25, 29, 7.4	99.750	16.625	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	00	96.250	12.036	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	6, 8po 6-96, 97, 8.12	95.360	47.680	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	5PO 6, 7, 9, 9.2	88.790	44.395	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	854	79.380	19.845	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	1261, 62, 63	75.660	37.830	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	PO 6.8#0.14	72.790	72.790	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	810	61.000	15.250	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	448	59.500	59.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	7po 8	55.000	9.167	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	491	54.060	27.030	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	814	50.000	25.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	12po 8, 9.1, 10.27	49.980	24.990	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	9po 28	44.750	14.917	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	518	43.500	43.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	751,52,53,54,55	43.130	21.565	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	00	40.000	20.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	1a, 3po 1a, 2, 3, 4, 4.1, 5, 5.1, 6, 7, 8, 8.1, 17	39.330	6.555	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	12po 22	38.650	4.831	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	58	32.170	2.011	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009

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Exhibit A
Hydrocarbon Interests

State	County	District	Tax Map-Parcel	Gross Acres	Net Mineral Acres	ORRI to Ross Ward	Grantor	Grantee	Deed Book	Deed Page	Conveyance Date
WV	Tyler	Lincoln	3po 15, 15.2, 16, 17, 18	30.730	0.480	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	9po 28	25.000	8.333	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	1145, 45 1	25.000	3.125	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	94	20.000	20.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	Sistersville Corp Map 1-po 9,9.1,9.2,14,15,15.2,15.4,18,10,22,26,30,31, 39,40,41,42,43,44,45,57,59,60,60.1,114	19.690	9.845	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	119	18.250	2.280	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	3po 19, 20, 31, 32	17.000	0.266	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	5po 37, 38, 39	12.870	6.435	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	1a1	11.310	11.310	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	5po 64	9.280	1.547	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	3PO 8	8.000	0.125	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	00	7.000	7.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	7PO 8, 8 2, 9	0.000	76.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	7PO 8	55.000	36.667	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	438	0.000	50.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	1a, 3po 1a-2,3-4, 4 1, 5, 5 1, 6, 7, 8, 8 1, 17	0.000	38.930	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	3, 7po 4 26, 29, 7 4	0.000	47.406	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	1255, 55 1	0.000	25.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	810	0.000	15.250	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	3PO 13, 14, 14 1, 15, 16, 17	0.000	12.571	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	1261, 62, 63	0.000	12.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	810	0.000	11.800	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	1a1	0.000	5.655	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	5po 64	0.000	4.955	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	119	0.000	0.563	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	5po 64	0.000	1.547	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	1a, 3po 1a-2,3-4, 4 1, 5, 5 1, 6, 7, 8, 8 1, 17	0.000	1.292	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009

Attached to and made a part of that certain Hydrocarbon Deed and Conveyance dated October 21, 2009, by and between BRC Appalachian Minerals I LLC, as Grantor and OXY USA Inc., as Grantee

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Exhibit A
Hydrocarbon Interests

State	County	District	Tax Map-Parcel	Gross Acres	Net Mineral Acres	ORRI to Ross Wells	Grantor	Grantee	Deed Book	Deed Page	Conveyance Date
WV	Tyler	Lincoln	1a, 3po 1a-2,3-4, 4-1, 5, 5-1, 6,7,8,8-1, 17	0.000	0.485	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	3po 15, 15-2, 16, 17, 18	0.000	0.480	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	1a, 3po 1a-2,3-4, 4-1, 5, 5-1, 6,7,8,8-1, 17	0.000	0.323	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	3po 19, 20, 31, 32	0.000	0.266	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Lincoln	3PO 8	0.000	0.131	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	16, 16po 16-12, 13; 19-15, 16, 16-1, 16-2, 16-3, 16-4, 16-5, 17, 18-3, 20, 20-1, 22, 22-1,22-2, 23, 24	278.940	46.490	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	1714, 15	246.000	30.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	10, 11po 10-14, 1, 11-3-1, 24, 24-2, 24-1, 47, 47-1, 47-2	162.000	9.257	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	15po 28, 28-1, 28-2, 28-3, 28-4, 29, 30, 32	132.000	11.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	15po 2, 3	170.000	4.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	5PO 7, 10	0.000	0.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	1010, 11	110.000	3.143	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	644, 45	109.500	10.950	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	11-po 25,25-1,25-2,25-3,25-6,25-7,25-9,25-10,25-11,25-12,25-13,25-14,25-15,25-16,25-17,36-1	98.950	8.246	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	169	98.000	49.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	622	88.000	22.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	1621	85.000	3.719	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	12PO 28	83.000	4.150	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	7po 18, 19, 20, 21, 22, 23, 24	81.670	13.612	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	31H	80.750	10.094	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	2po 27	76.500	9.563	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	11po 17, 17-1, 17-2, 17-3, 17-4	74.290	55.004	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	161	73.080	73.080	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	13-19	72.000	24.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	6po 30, 31, 32, 33, 36	71.000	5.072	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	6po 42, 42-1, 42-2, 42-3	66.000	27.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009

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Exhibit A
Hydrocarbon Interests

State	County	District	Tax Map-Parcel	Gross Acres	Net Mineral Acres	ORRI to Ross Wash	Grantor	Grantee	Deed Book	Deed Page	Conveyance Date
WV	Tyler	Mcelroy	16PO 4 1, 6	65.000	16.250	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	63, 3 1, 5	65.000	6.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	68, 52	65.000	6.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	11PO 36 1, 27	64.920	10.820	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	78, 8 1, 8 2, 8 3, 8 4, 8 5	64.000	10.667	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	21, 1 1	62.310	4.451	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	17po 1, 1 1	61.000	20.333	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	517	60.000	60.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	623	58.250	14.563	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	21-po 11,13,13.27	54.500	27.250	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	177	54.500	19.464	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	7po 38 1, 39	50.000	48.438	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	172	50.000	17.857	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	11PO 37, 38, 39	47.000	23.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	13PO 2, 43	42.000	42.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	619	42.000	4.200	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	00	40.000	0.417	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	11po 26	39.550	19.775	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	11-po 13,14 2,14 3,14 5	38.130	9.533	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	96	37.500	9.375	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	1326	35.000	17.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	11-po 42,43	35.000	11.667	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	1957	34.000	17.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	7-po 10	33.050	4.723	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	213	31.000	15.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	14po 11	30.750	15.375	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	00	29.000	14.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	14PO 14	26.000	13.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009

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Exhibit A
Hydrocarbon Interests

State	County	District	Tax Map Parcel	Gross Acres	Net Mineral Acres	ORRI to Ross-Waco	Grantor	Grantee	Deed Book	Deed Page	Conveyance Date
WV	Tyler	Mcelroy	7-po 10	23.880	3.411	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	639	73.000	11.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	647	16.730	8.365	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	60	2.130	2.130	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	318	0.000	20.188	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	11-po 25,25 1,25 2,25 3,25 6,25 7,25 9,25 10,25 11 ,25 12,25 13 25 14,25 15,25 16,25 17,36 1	0.000	16.492	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	21, 1 1	0.000	4.451	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	16po 2, 3	0.000	12.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	644, 45	0.000	10.950	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	644, 45	0.000	10.950	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	11-po 13,14 2,14 3,14 5	0.000	9.533	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	6po 42, 42 1, 42 2, 42 3	0.000	7.333	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	6po 42, 42 1, 42 2, 42 3	0.000	7.333	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	68, 52	0.000	6.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	21, 1 1	0.000	6.231	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	619	0.000	5.250	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	6po 30, 31, 32, 33, 36	0.000	5.072	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	21, 1 1	0.000	4.451	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	21, 1 1	0.000	4.154	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	318	0.000	2.523	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	1010, 11	0.000	2.245	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	177	0.000	1.946	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	172	0.000	1.786	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Mcelroy	10, 11po 10 14, 1, 11 3 1, 24, 24 2, 24 1, 47, 47 1, 47 2	0.000	0.551	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	117, 7 1	150.000	3.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	1219	344.700	36.375	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	8po 13, 14, 15, 15 1, 25, 26, 27, 28, 28 1	100.000	6.667	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009

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Attached to and made a part of that certain Hydrocarbon Deed and Conveyance dated October 21, 2009, by and between BRC Appalachian Minerals I LLC, as Grantor and OXY USA Inc., as Grantee

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Exhibit A
Hydrocarbon Interests

State	County	District	Tax Map-Parcel	Gross Acres	Net Mineral Acres	ORRI to Ross Waco	Grantor	Grantee	Deed Book	Deed Page	Conveyance Date
WV	Tyler	Meade	1028, 34	104.500	78.375	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	1018, 22, 23	100.000	50.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	10po 3	100.000	8.333	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	210	96.000	80.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	4PO 24, 24.1, 25, 28, 29	85.000	82.875	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	1124, 24.2	81.000	27.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	8,8a-po 8-38,47,8a-1 3,1 5,1 7,1 8,1 9,1 10,8,9,10,10 1,12,12 3,1 2 4,14,15	79.890	17.753	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	533	77.000	3.667	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	75	74.300	18.575	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	423, 23.1, 23.3, 23.3	64.360	21.453	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	11-po 9	63.910	6.391	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	109	61.390	30.695	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	27	58.400	29.200	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	620, 20 1	55.500	6.938	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	11PO 25	55.000	55.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	00	55.000	27.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	10-15	47.170	23.585	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	Union 15, Meade 4PO 15-38, 4-12	46.280	23.140	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	1046	45.000	4.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	834	44.330	11.083	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	4po, 13, 14, postibly 13	40.500	10.125	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	2po 2, 2 2.3	37.000	9.250	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	11PO 25	36.000	9.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	1225	36.000	5.143	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	49	35.180	8.795	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	8po 32	30.000	2.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	8po 32	30.000	2.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009

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95023331

Exhibit A
Hydrocarbon Interests

State	County	District	Tax Map-Parcel	Gross Acres	Net Mineral Acres	ORRI to Ross-Wach	Grantor	Grantee	Deed Book	Deed Page	Conveyance Date
WV	Tyler	Meade	10po 24	25.000	6.250	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	11PO 27, 28 1, 29, 30	20.000	15.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	8PO 4	20.000	10.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	12PO 19, 20	18.980	18.980	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	11po 27	14.950	3.738	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	31po 8	11.014	1.377	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	8???????	5.250	0.250	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	00	5.000	5.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	42.1, 23.1, 23.3, 23.3	0.000	21.453	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	620, 20.1	0.000	5.800	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	1046	0.000	4.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	1046	0.000	4.500	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	533	0.000	3.667	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	49	0.000	2.932	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	49	0.000	2.932	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Meade	49	0.000	2.932	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Sistersville Corp	00	11.000	11.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Union	4-34,35,36	95.720	1.596	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Union	1PO 2	84.000	42.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Union	62	83.130	41.565	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Union	13 15po 13-56, 57, 58, 59, 60, 61, 62, 77, 78; 15-4	81.000	8.100	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Union	24	75.800	15.160	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Union	1355, 55.1	62.060	1.793	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Union	453	42.000	21.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Union	1327	39.340	9.835	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Union	1PO 35	35.950	35.950	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Union	1518, 19	20.000	20.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Union	13PO 11	20.000	10.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009

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Exhibit A
Hydrocarbon Interests

State	County	District	Tax Map-Parcel	Gross Acres	Net Mineral Acres	ORRI to Base WAO	Grantor	Grantee	Deed Book	Deed Page	Conveyance Date
WV	Tyler	Union	1518, 19	18.880	5.293	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Union	455	17.500	11.667	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Union	1376	17.500	1.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Union	7po 8	14.750	14.750	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Union	00	10.000	3.333	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Union	1po 39	10.000	1.667	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Union	87	7.000	7.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
WV	Tyler	Union	15po 12	3.000	3.000	3.125%	Pennsylvania Mineral Group II, LLC	BRC Appalachian Minerals I LLC	368	546	7/6/2009
TOTAL				17,760.372	8,277.282						
NB	Where there are multiple net interests in the same gross acre tract, the gross acres are listed in the first entry only and "zeroed" out thereafter in an attempt to not overstate gross acres										

OFFICE OF OIL AND GAS
DEC 08 2015

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WW-2B1
(5-12)

Well No. Yellow Birch 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: Fairway Laboratories
Sampling Contractor: Jericho Land Resources

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

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.

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JERICHO LAND RESOURCES

WELL OPERATOR: Alliance Petroleum Corporation
WELL OPERATOR #: Yellow Birch 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:	Shirley Carroll
Address:	6743 Wetzel Tyler Ridge Road, New Martinsville, WV 26155
Phone:	304-386-4220
Comments:	Tax Parcel #05-16-34
Owner:	Middle Fork Church (Abandoned Church where a water source was located, but no owner or point of contact was found. Therefore, a sample and test of the source was not taken as a result of this.)
Address:	Not found or listed
Phone:	Not found or listed
Comments:	Tax Parcel #02-8-5

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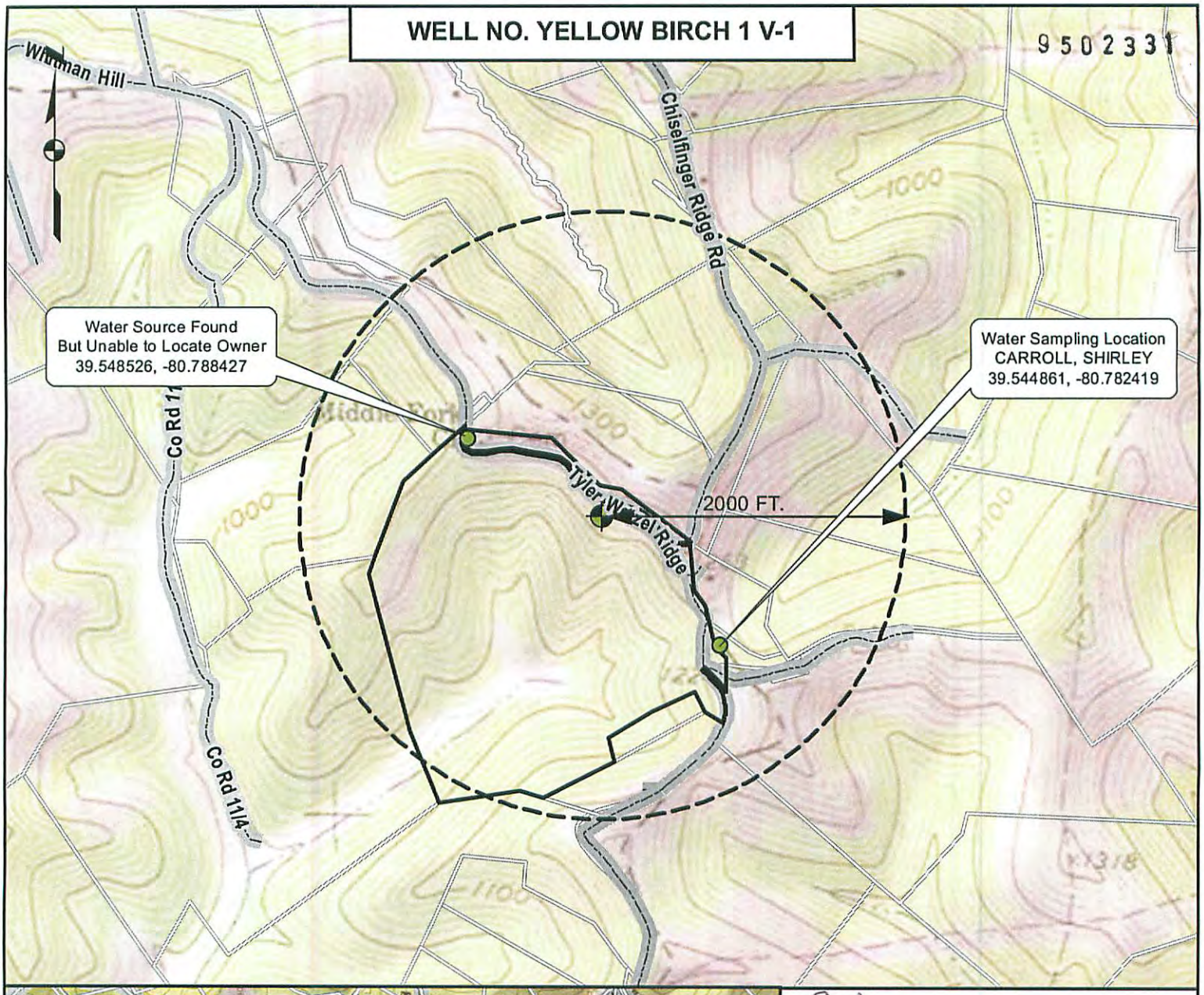
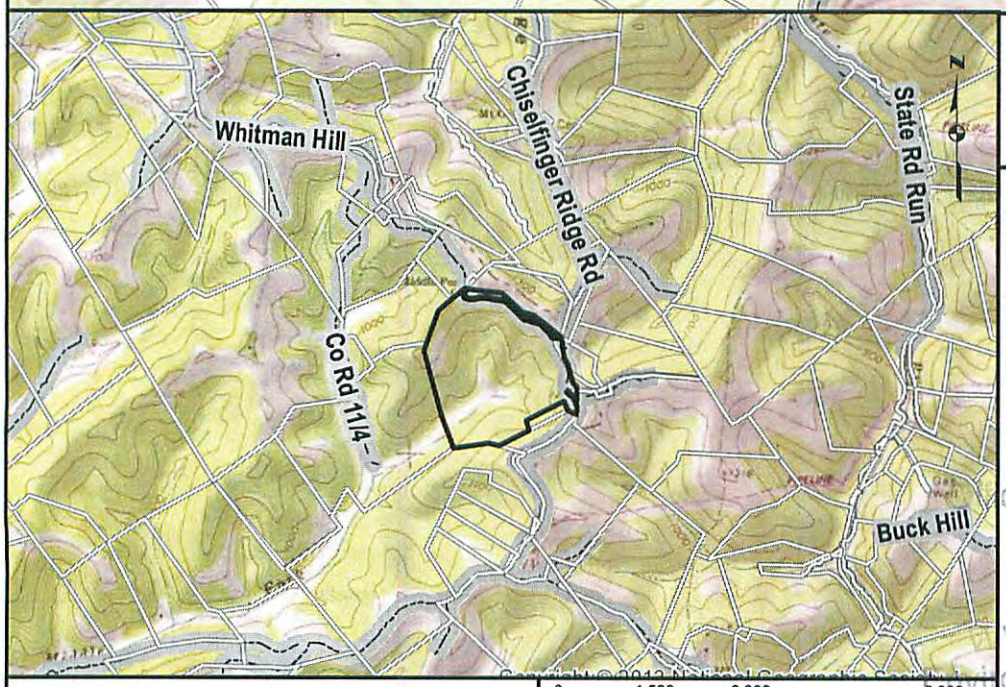
WELL NO. YELLOW BIRCH 1 V-1

9502331





0 1,500 3,000 6,000 Feet

TOPO SECTION OF PORTERS FALLS 7.5 USGS TOPO QUADRANGLE

DMH 11-19-15

1 inch = 1,000 feet

0 500 1,000 2,000 Feet

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).

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WV Department of Environmental Protection

APC Alliance Petroleum Corporation
JERICHO LAND RESOURCES

WW-9
(2/15)

9502331

API Number 47 - 095 -

Operator's Well No. Yellow Birch 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 Porters Falls 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 _____)

DmH
11-19-15

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 Stabalizer

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

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Office of Oil and Gas
NOV 20 2015
WV Department of Environmental Protection

Subscribed and sworn before me this 2nd day of November, 20 15

Notary Public Tim Maclauchlan

My commission expires 4/14/2018

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

9502331

Form WW-9

Operator's Well No. Yellow Birch 1 V-1

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: 11-19-15

Field Reviewed? (✓) Yes ( ) No

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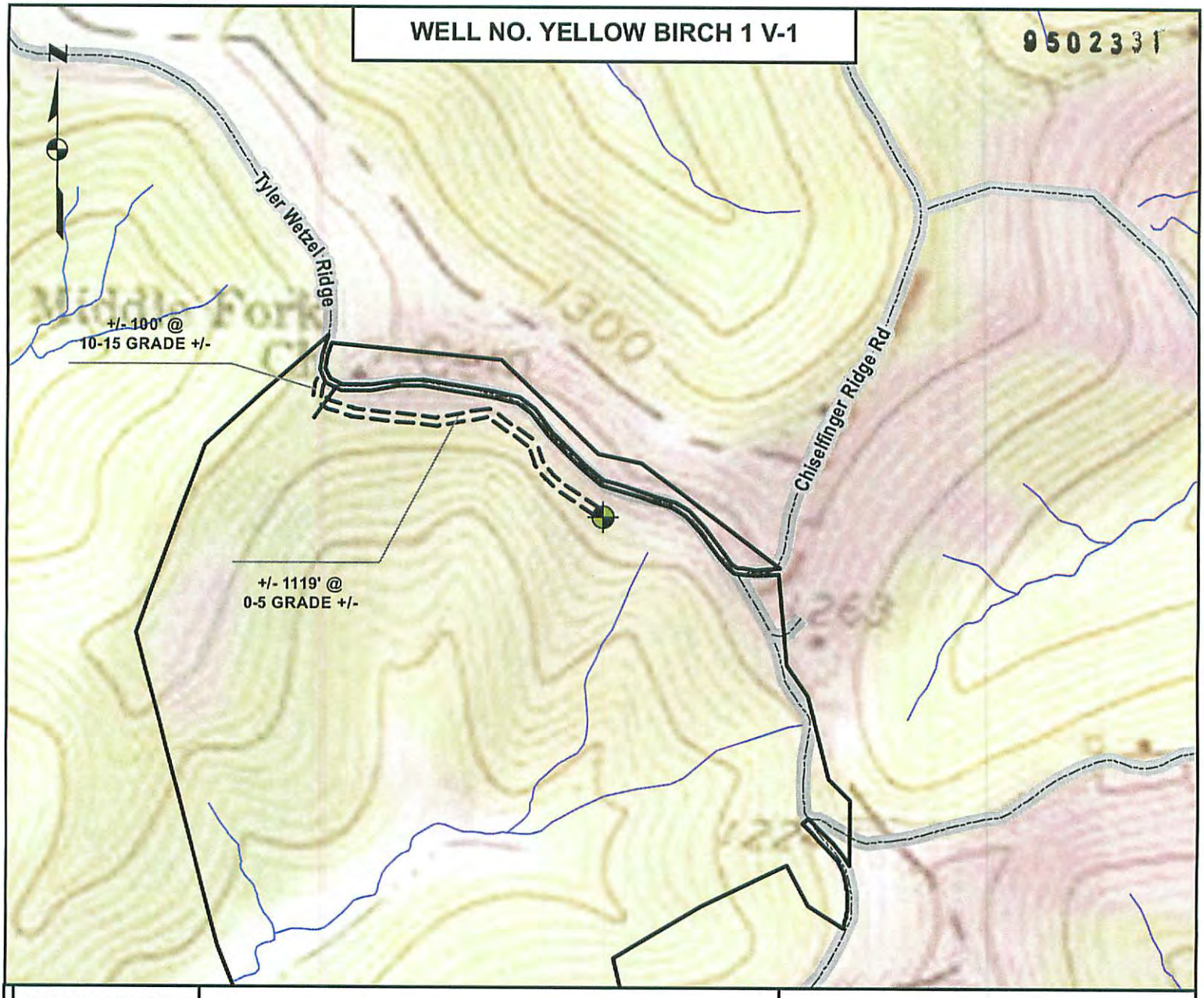
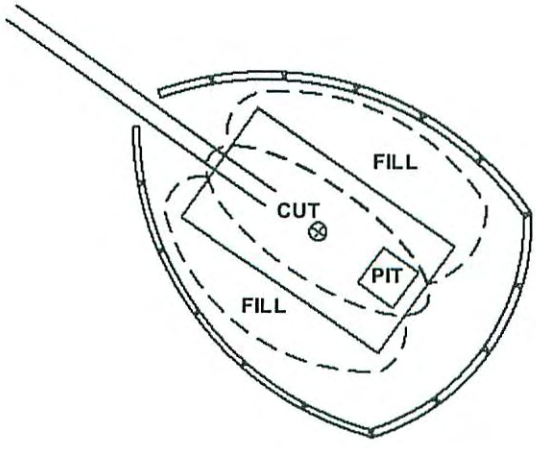
NOV 20 2015
WV Department of
Environmental Protection

WELL NO. YELLOW BIRCH 1 V-1

9502331



DETAIL SKETCH



DMH
11-19-15

N

1 inch = 500 feet

0 250 500 1,000 Feet

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APPLICATIONS FOR SEPARATE PLO PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES)

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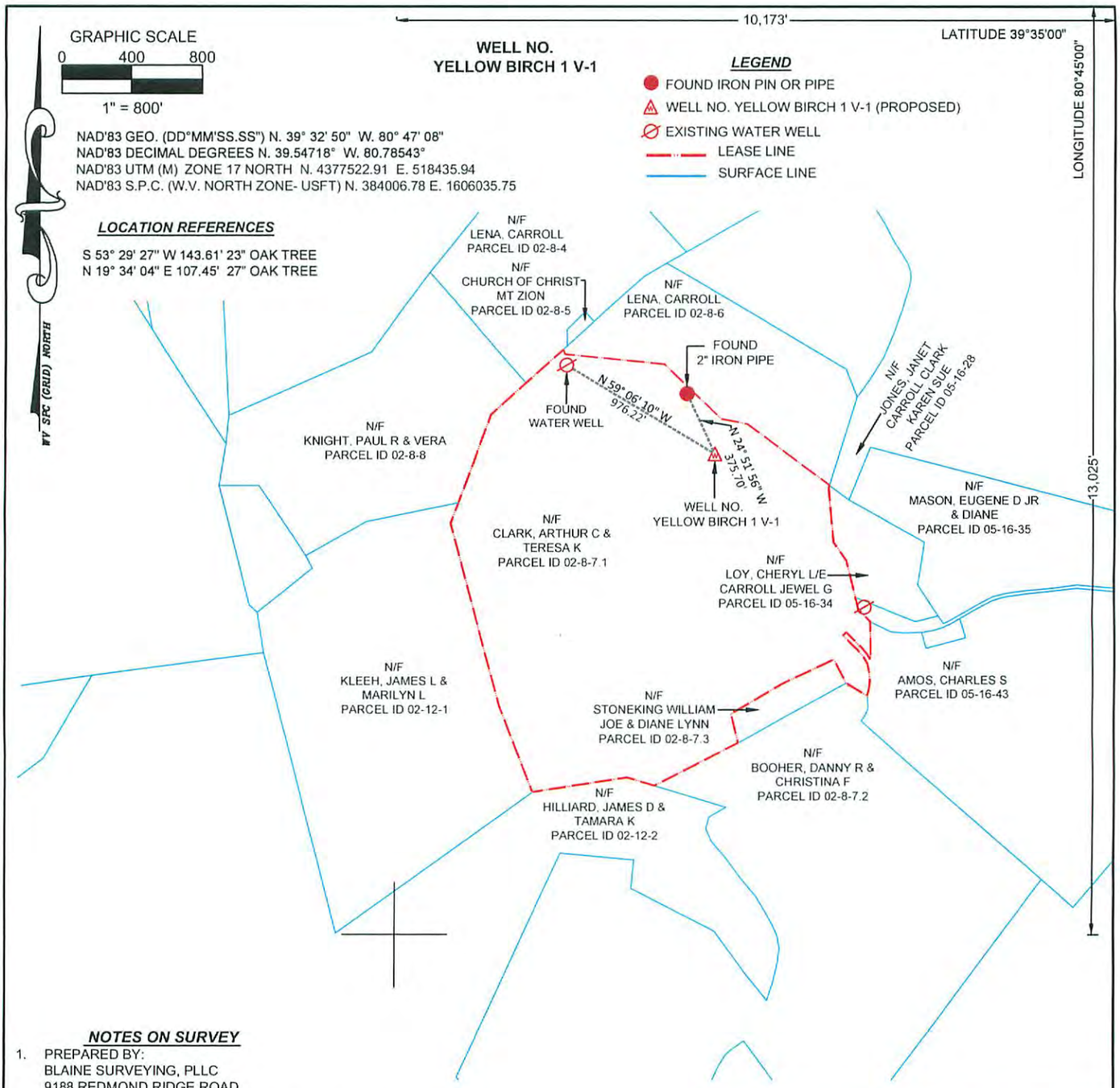
WV Department of
Environmental Protection

APC Alliance Petroleum Corporation

JERICHO LAND RESOURCES

NOT TO SCALE

TOPO SECTION OF PORTERS FALLS 7.5 USGS TOPO QUADRANGLE



NOTES ON SURVEY

1. PREPARED BY:
   BLAINE SURVEYING, PLLC
   9188 REDMOND RIDGE ROAD
   GALLIPOLIS FERRY, WV 25515
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 238 PAGE 342.
3. THIS IS NOT A BOUNDARY SURVEY. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF TYLER COUNTY IN SEPTEMBER 2015

OPERATORS WELL NO. YELLOW BIRCH 1 V-1
SCALE: 1" = 800'
MINIMUM DEGREE
OF ACCURACY: SUBMETER
PROVEN SOURCE
OF ELEVATION: CORS NETWORK & WV VRS
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

API WELL NO. 47 (STATE) 095 (COUNTY) 02331 (PERMIT)

JONATHAN BLAINE LICENSED No. 2220 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

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:* 11/23/15

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

STATE OF WEST VIRGINIA MONTANI SEMPER LIBERI

RECEIVED Office of Oil and Gas NOV 24 2015 WV Department of Environmental Protection

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

WATERSHED: OUTLET MIDDLE ISLAND CREEK *ELEVATION:* 1270'

DISTRICT: ELLSWORTH *COUNTY:* TYLER *QUADRANGLE:* PORTERS FALLS 7.5'

SURFACE OWNER: CLARK, ARTHUR C & TERESA K *ACREAGE:* 98.38 +/-

OIL & GAS ROYALTY OWNER: OXY USA, INC., ET AL *ACREAGE* 98.38 +/-

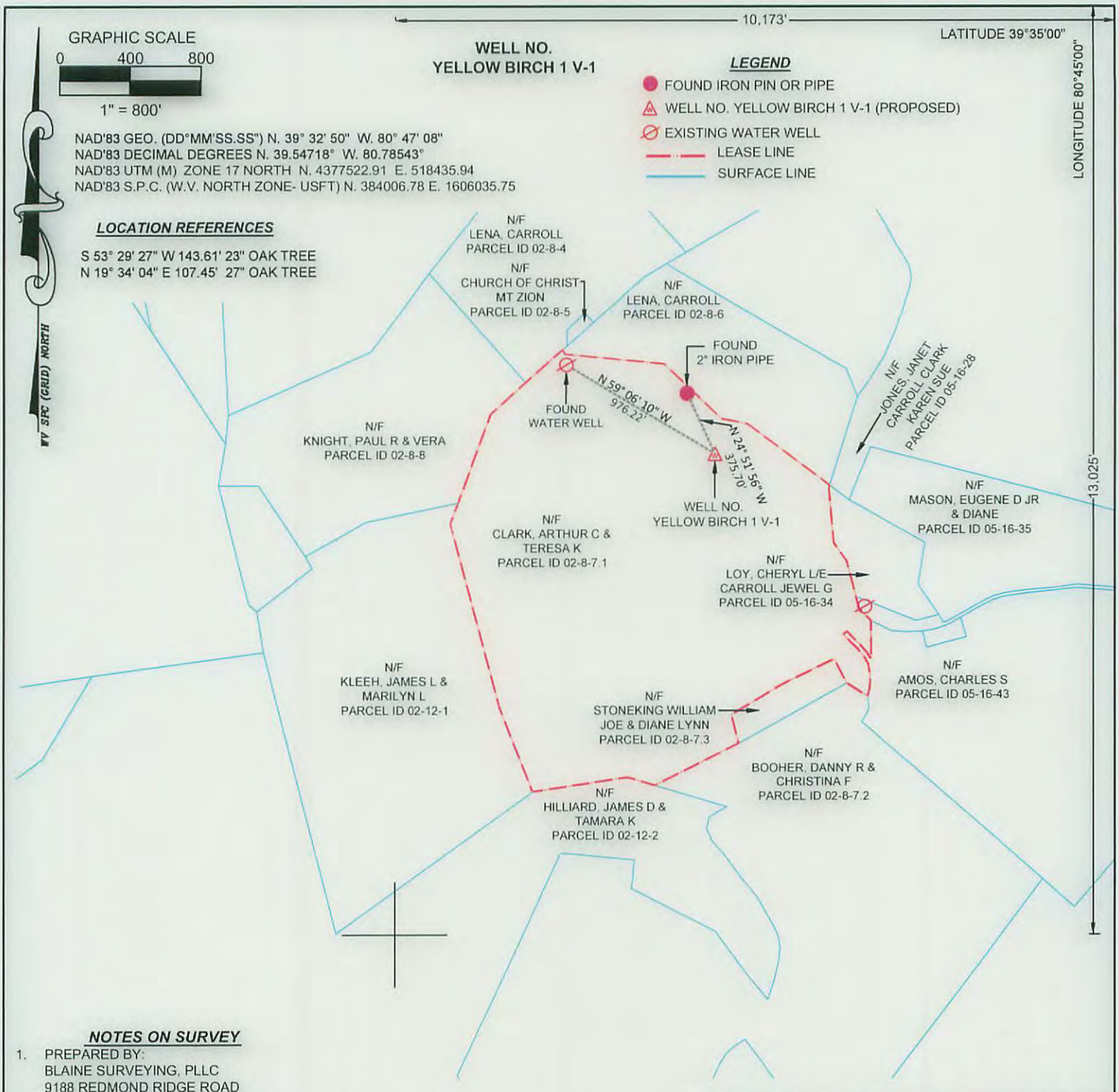
DRILL ☒ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☒

PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☐ PLUG & ABANDON ☐

CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐ (SPECIFY):_____

TARGET FORMATION: BENSON *ESTIMATED DEPTH:* TVD 5480'

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



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Signed: Jonathan Blaine

L.L.S.: #2220 *DATE:* 11/23/15

OPERATORS WELL NO. YELLOW BIRCH 1 V-1
SCALE: 1" = 800'
MINIMUM DEGREE OF ACCURACY: SUBMETER
PROVEN SOURCE OF ELEVATION: CORS NETWORK & WV VRS
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

API WELL NO. 47 (STATE) 095 (COUNTY) 0233/ [redacted] (PERMIT)

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

STATE OF WEST VIRGINIA MONTANI SEMPER LIBERI

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

WATERSHED: OUTLET MIDDLE ISLAND CREEK *ELEVATION:* 1270'

DISTRICT: ELLSWORTH *COUNTY:* TYLER *QUADRANGLE:* PORTERS FALLS 7.5'

SURFACE OWNER: CLARK, ARTHUR C & TERESA K *ACREAGE:* 98.38 +/-

OIL & GAS ROYALTY OWNER: OXY USA, INC., ET AL *ACREAGE* 98.38 +/-

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: BENSON *ESTIMATED DEPTH:* TVD 5480'

WELL OPERATOR: ALLIANCE PETROLEUM CORPORATION
ADDRESS: 4150 BELDEN VILLAGE AVE NW SUITE 410
CANTON, OH 44718-2553

DESIGNATED AGENT: JEFFREY SAYGER
ADDRESS: 16 FOX HILL TERRACE
PARKERSBURG WV 26101