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**west virginia** department of environmental protection

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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](http://www.dep.wv.gov)

May 05, 2014

**WELL WORK PERMIT**

**Vertical Well**

This permit, API Well Number: 47-2105765, issued to ENERGY CORPORATION OF AMERICA, 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: RINEHART S-1  
Farm Name: ERNEST L. ARBUCKLE FAMILY  
**API Well Number: 47-2105765**  
**Permit Type: Vertical Well**  
Date Issued: 05/05/2014

**Promoting a healthy environment.**

# PERMIT CONDITIONS

West Virginia Code § 22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

## CONDITIONS

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1. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. Pursuant to 35 CSR § 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
3. Pursuant to 35 CSR § 4-19.1.c, if the operator is unable to sample and analyze any water well or spring within one thousand (1,000) feet of the permitted well location, the Office of Oil and Gas requires the operator to sample, at a minimum, one water well or spring located between one thousand (1,000) feet and two thousand (2,000) feet of the permitted well location.
4. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
5. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
6. During the surface casing and cementing process, in the event cement does not return to the surface, or any other casing string that is permitted to circulate cement to the surface and does not return to the surface, the oil and gas inspector shall be notified within twenty-four (24) hours.
7. Well work activities shall not constitute a hazard to the safety of persons.

2105745  
CK  
357419  
65000

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

1) Well Operator: Energy Corporation of America      306345      21      3      372  
Operator ID      County      District      Quadrangle

2) Operator's Well Number: Rinehart S-1      3) Elevation: 760'

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

5) Proposed Target Formation(s): Speechley, Warren, Gordon, Big Injun, Big Lime Proposed Target Depth: 3018'

6) Proposed Total Depth: 3200' Feet Formation at Proposed Total Depth: Speechley

7) Approximate fresh water strata depths: 360', 466', 574'

8) Approximate salt water depths: ~~466', 574'~~ None Reported B.O.H. 3-24-14

9) Approximate coal seam depths: None reported in offsetting wells

10) Approximate void depths, (coal, Karst, other): None reported in offsetting wells

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 Vertical Well as follows: After setting and cementing surface casing string using Type 1 or an approved light cement, operator will drill to an approximately 3200' and run production casing. Multiple formations will be foam fraced depending well log analysis. Cement will be placed above the shallowest known producing horizon and will be verified by bond log.

**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 3/8"	LS,R3	43.6#	40'	40'	Na
Fresh Water	7"	LS,R3	16#	650'	650'	CTS
Coal						
Intermediate						
Production	4 1/2"	WT65, R3	9.5#	3200'	3200'	320
Tubing						
Liners						

*Supp O'Hara*  
3-24-14

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Office of Oil and Gas

APR 01 2014

Packers: Kind: \_\_\_\_\_  
Sizes: \_\_\_\_\_  
Depths Set \_\_\_\_\_

WV Department of  
Environmental Protection

WW-2A  
(Rev. 6-07)

1.) Date: March 3, 2014  
2.) Operator's Well Number Rinehart S-1  
State 47 County - Permit -  
3.) API Well No.: 47- -

**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 Ernest Arbuckle Family Trust  
Address 1300 Chapline Street  
Wheeling, WV 26003  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Bryan Harris  
Address P.O. Box 157  
Volga, WV 26238  
Telephone 304-553-6087

5) (a) Coal Operator  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

**TO THE PERSONS NAMED ABOVE TAKE NOTICE THAT:**

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

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

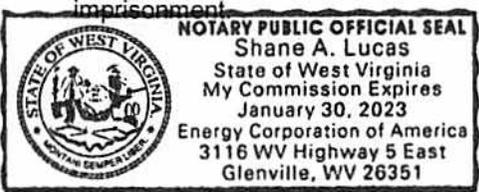
I certify that as required under Chapter 22-6 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through     on the above named parties by:

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

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

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

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



Well Operator Energy Corporation of America  
By: Rodney A. Winters  
Its: Vice President of Land  
Address 501 56th Street SE  
Charleston, WV 25304  
Telephone 304-925-6100

Subscribed and sworn before me this 31 day of MARCH, 2014

*[Signature]*

Notary Public

My Commission Expires January 30, 2023

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](mailto:depprivacyofficer@wv.gov)

7012 2920 0000 6497 3831

**CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$ 2.24
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 8.24</b>

Postmark  
Here

Sent To BRYAN HARRIS RINGHART S-1 S-2  
 Street, Apt. No.;  
 or PO Box No.  
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

HARRIS, BRYAN  
 P.O. BOX 157 ✓  
 VOLGA, WV

2. Article Number  
(Transfer from service label)

7012 2920 0000 6497 3831

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  
 Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from Item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type  
 Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

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 Office of Oil and Gas  
 WV Department of  
 Environmental Protection  
 APR 01 2014

2105765



7012 2920 0000 6497 3831



UNITED STATES POSTAGE  
PITNEY BOWES  
02 1P \$ 008.24<sup>0</sup>  
0003207208 MAR 31 2014  
MAILED FROM ZIP CODE 25304



**Energy Corporation of America**  
501 56th Street  
Charleston, West Virginia 25304

BRYAN HARRIS  
P.O. BOX 157  
VOLGA, WV 26238



**FIRST CLASS MAIL**

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Office of Oil & Gas  
Apr 01 2014  
U.S. Department of  
Environmental Protection

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**CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$ 1.61	Postmark Here
Certified Fee	3.30	
Return Receipt Fee (Endorsement Required)	2.70	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 7.61	

Sent To **ARBUCKLE RINEHART 5-1 3-2**  
 Street, Apt. No.,  
 or PO Box No.  
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

ARBUCKLE ERNEST L FAMILY TRUST  
 1300 CHAPLINE ST  
 WHEELING, WV 26003

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  X  Agent  Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1?  Yes  No  
 If YES, enter delivery address below:

3. Service Type  
 Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

2. Article Number (Transfer from service label) 7012 2920 0000 6497 3824

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

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WV Department of Environmental Protection

2105765



7012 2920 0000 6497 3824



**Energy Corporation of America**  
501 56th Street  
Charleston, West Virginia 25304

ERNEST ARBUCKLE FAMILY TRUST  
1300 CHAPLINE ST  
WHEELING, WV 26003

**FIRST CLASS MAIL**

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Office of Oil and Gas  
APR 01 2014  
WV Department of  
Environmental Protection

2105765

**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
Lloyd Rinehart	Charles Swisher	1/8	73/41
Farmout From Equitable Gas Co.	To EAE DBA ECA	1/8	81/375

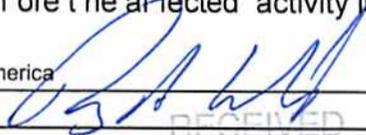
**Acknowledgement of Possible Permitting/Approval  
In Addition to the Office of Oil and Gas**

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

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

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

Well Operator:  
By: Its:

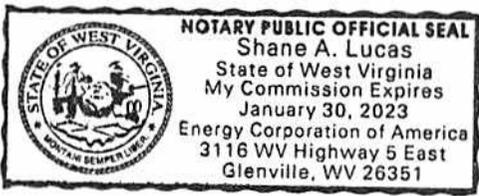
Energy Corporation of America  
  
 Rodney A. Winters  
 Vice President of Land

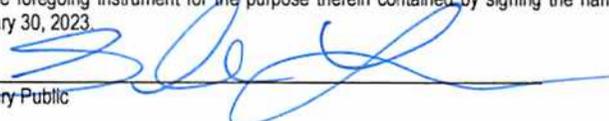
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State of West Virginia, County of Kanawha, to wit:  
On this the 31st day of March, 2014, before me, the undersigned officer, personally appeared Rodney A. Winters, who acknowledged himself to be Vice President of Land of Energy Corporation of America, a West Virginia corporation, and that he is authorized to do so, executed the foregoing instrument for the purpose therein contained by signing the name of the corporation. In witness whereof, I hereunto set my hand and official seal. My commission expires January 30, 2023.



  
 Notary Public



# Certificate

*I, Natalie E. Tennant, Secretary of State of the State of West Virginia, hereby certify that*

by the provisions of the West Virginia Code, Articles of Merger were received and filed, MERGING EASTERN AMERICAN ENERGY CORPORATION, A QUALIFIED WV ORGANIZATION, WITH AND INTO ENERGY CORPORATION OF AMERICA, A QUALIFIED WV ORGANIZATION.

Therefore, I hereby issue this

## CERTIFICATE OF MERGER



*Given under my hand and the Great Seal of the State of West Virginia on this day of December 22, 2009*

*Natalie E. Tennant*

Secretary of State

WW-2B1  
(5-12)

Well No. Rinehart S-1

West Virginia Department of Environmental Protection  
Office of Oil and Gas

**NOTICE TO SURFACE OWNERS**

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

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

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

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

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

Certified Laboratory Name	<u>Reliance Labs</u>
Sampling Contractor	<u>Smith Land Surveying, Inc. - Environmental Division</u>

Well Operator	<u>Energy Corporation of America</u>
Address	<u>501 56th Street S.E.</u>
	<u>Charleston, WV 25304</u>
Telephone	<u>304-925-6100</u>

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

NOTE: There appears to be 3 +/- potable water sources within 1,500', therefore tests will be offered and samples taken as required.

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SMITH LAND SURVEYING, INC.

P.O. BOX 150, GLENVILLE, WV 26351

(304) 462-5634 • FAX 462-5656

WELL INFORMATION AND POTENTIAL WATER WELL SAMPLE DATA SHEET

OPERATOR: Energy Corporation of America  
LEASE NAME AND NUMBER: Rinehart Lease Well No. S-1

COMMENTS

The initial field and/or mapping review of the area surrounding the proposed well site revealed the below listed surface owner(s) that were potentially utilizing groundwater (potable) for Human Consumption or other purposes within 1500' of the proposed well site. (For location of each site see attached area map.)

INDIVIDUAL CONTACTED OR NOTIFIED

\* Site: 1 Spacing N/A Owner/Occupant: Gregory Smith  
Address: P.O. Box 150 Glenville, WV 26351 Ph: (304) 462-5634  
Field Contact Date: 3/26/14 Located: No Date Located: N/A Source: City Water  
If No, declined by who Gregory Smith Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) N/A  
Comments: Tax Map 1 Parcel 4  
POND

Site: 2 Spacing N/A Owner/Occupant: Glenville State College Housing Corporation  
Address: 200 High St. Glenville, WV 26351 Ph: (304) 462-7361  
Field Contact Date: 3/26/14 Located: No Date Located: N/A Source: Unknown  
If No, declined by who Peter Barr Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) N/A  
Comments: Tax Map 1 Parcel 2.1

Site: 3 Spacing N/A Owner/Occupant: United States Department of Agriculture  
Address: 201 East Main St. Glenville, WV 26351 Ph: (304) 462-7171  
Field Contact Date: \_\_\_\_\_ Located: No Date Located: N/A Source: Unknown  
If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) 4/7/14  
Comments: Tax Map 1 Parcel 1

Site: 4 Spacing N/A Owner/Occupant: City of Glenville  
Address: 603 W. Main St. Glenville, WV 26351 Ph: (304) 462-7417  
Field Contact Date: 3/26/13 Located: No Date Located: N/A Source: Unknown  
If No, declined by who Freeman Nicholson Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) N/A  
Comments: Tax Map 1 Parcel 2  
Letter of refusal dropped of 3/26/14 received 3/27/14

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Site: 5 Spacing N/A Owner/Occupant: Little Kanawha Family Medicine  
Address: 604 W Main St. Glenville, WV 26351 Ph: (304) 462-7460  
Field Contact Date: 3/26/14 Located: No Date Located: N/A Source: Unknown  
If No, declined by who Hilary Miller Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) N/A  
Comments: Tax Map 1 Parcel 4.5

Site: 6 Spacing N/A Owner/Occupant: Town Of Glenville  
Address: 603 W. Main St. Glenville, WV 26351 Ph: (304) 462-7417  
Field Contact Date: 3/26/14 Located: No Date Located: N/A Source: Unknown  
If No, declined by who Freeman Nicholson Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) N/A  
Comments: Tax Map 1 Parcel 4.1

Site: 7 Spacing N/A Owner/Occupant: Gilmer County Volunteer Fire Department  
Address: 606 W Main St. Glenville, Wv 26351 Ph: (304) 462-5216  
Field Contact Date: 3/26/14 Located: No Date Located: N/A Source: Unknown  
If No, declined by who Martin Hess Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) N/A  
Comments: Tax Map 1 Parcel 4.4

Site: 8 Spacing N/A Owner/Occupant: Monongahela Power Company  
Address: 5001 Nasa Blvd. Fairmont, WV 26554 Ph: (800) 686-0022  
Field Contact Date: \_\_\_\_\_ Located: No Date Located: N/A Source: Unknown  
If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) 4/7/14  
Comments: Tax Map 1 Parcel 4.2 also Tax Map 9 Parcel 7.1 and Parcel 7.2

Site: 9 Spacing N/A Owner/Occupant: St. Marks Episcopal Church  
Address: 607 W. Main Street Glenville, WV 26351 Ph: (304) 462-8468  
Field Contact Date: \_\_\_\_\_ Located: No Date Located: N/A Source: Unknown  
If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) 4/7/14  
Comments: Tax Map 9 Parcel 7.3 and Parcel 7.4

Site: 10 Spacing N/A Owner/Occupant: Glenville Presbyterian Church  
Address: 1172 WV Hwy 5 W Glenville, WV 26351 Ph: 4/7/14  
Field Contact Date: 3/26/14 Located: No Date Located: N/A Source: Unknown  
If No, declined by who Charles Ringe Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) N/A  
Comments: Tax Map 9 Parcel 7.5

MAY 5 2014

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Site: 11 Spacing N/A Owner/Occupant: Arbuckle Family Trust  
Address: 1300 Chapline St. Wheeling, WV 26003 Ph: \_\_\_\_\_  
Field Contact Date: \_\_\_\_\_ Located: No Date Located: N/A Source: Unknown  
If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) 4/7/14  
Comments: Tax Map 9 Parcel 9 & Parcel 7  
No house located on property within the 1500' radius.

Site: 12 Spacing N/A Owner/Occupant: I. L. Morris  
Address: P.O. Box 397 Glenville, WV 26351 Ph: \_\_\_\_\_  
Field Contact Date: 4/9/14 Located: No Date Located: N/A Source: Unknown  
If No, declined by who I.L. Morris Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) N/A  
Comments: Tax Map 1 Parcel 2.5

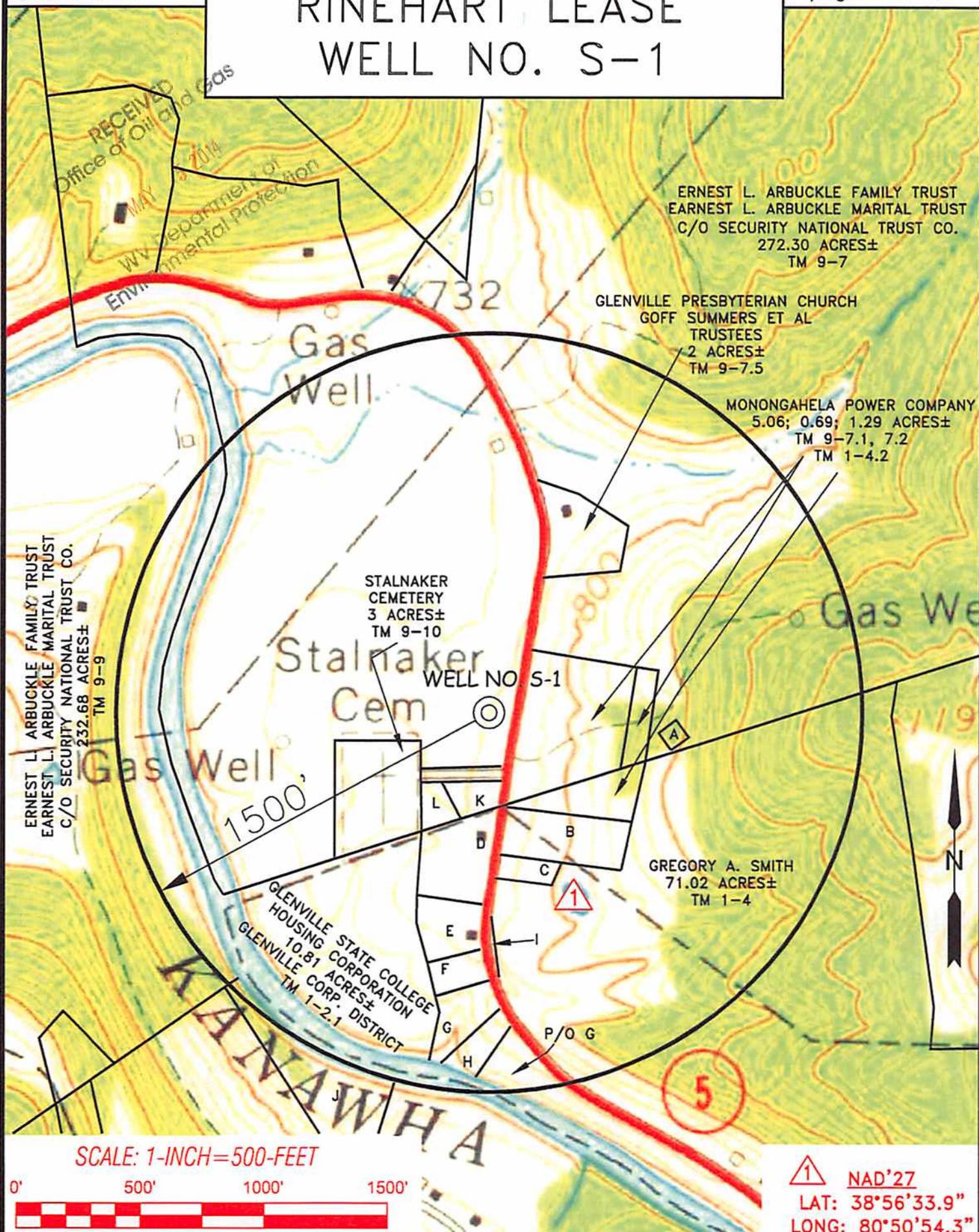
Site: 13 Spacing N/A Owner/Occupant: Waco Oil & Gas Co. Inc.  
Address: P.O. Box 397 Glenville, WV 26351 Ph: \_\_\_\_\_  
Field Contact Date: 4/9/14 Located: No Date Located: N/A Source: Unknown  
If No, declined by who I.L. Morris Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) N/A  
Comments: Tax Map 15 Parcel 3

Site: 14 Spacing N/A Owner/Occupant: Arnold & Mary Smith  
Address: P.O. Box 375 Glenville, WV 26351 Ph: \_\_\_\_\_  
Field Contact Date: 4/3/14 Located: No Date Located: N/A Source: Unknown  
If No, declined by who Arnold Smith Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) N/A  
Comments: Tax Map 9 Parcel 14 also Tax Map 37 Parcel 1 & Parcel 1.1

Site: 15 Spacing N/A Owner/Occupant: Glenville Manor Limited West Virginia Housing Development Fund  
Address: 100 Star Ave, Suite 112 Parkersburg, WV 26101 Ph: \_\_\_\_\_  
Field Contact Date: \_\_\_\_\_ Located: No Date Located: N/A Source: Unknown  
If No, declined by who Glenville Manor Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) 4/7/14  
Comments: Tax Map 1 Parcel 3  
Attached letter of refusal to certified mail designated that they have public water

Site: 16 Spacing \_\_\_\_\_ Owner/Occupant: Charlotte Thompson  
Address: 805 Hale Street Glenville, WV 26351 Ph: \_\_\_\_\_  
Field Contact Date: \_\_\_\_\_ Located: No Date Located: N/A Source: Unknown  
If No, declined by who \_\_\_\_\_ Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) 5/1/14  
Comments: \_\_\_\_\_

# RINEHART LEASE WELL NO. S-1



ERNEST L. ARBUCKLE FAMILY TRUST  
ERNEST L. ARBUCKLE MARITAL TRUST  
C/O SECURITY NATIONAL TRUST CO.  
272.30 ACRES±  
TM 9-7

GLENVILLE PRESBYTERIAN CHURCH  
GOFF SUMMERS ET AL  
TRUSTEES  
2 ACRES±  
TM 9-7.5

MONONGAHELA POWER COMPANY  
5.06; 0.69; 1.29 ACRES±  
TM 9-7.1, 7.2  
TM 1-4.2

STALNAKER  
CEMETERY  
3 ACRES±  
TM 9-10

ERNEST L. ARBUCKLE FAMILY TRUST  
ERNEST L. ARBUCKLE MARITAL TRUST  
C/O SECURITY NATIONAL TRUST CO.  
232.68 ACRES±  
TM 9-9

GREGORY A. SMITH  
71.02 ACRES±  
TM 1-4

GLENVILLE STATE COLLEGE  
HOUSING CORPORATION  
10.81 ACRES±  
GLENVILLE CORP. DISTRICT  
TM 1-2.1

SCALE: 1-INCH=500-FEET



1 NAD'27  
LAT: 38°56'33.9"  
LONG: 80°50'54.3"

A	TOWN OF GLENVILLE	0.147 ACRES±	TM 1-4.1	GLENVILLE CORP. DISTRICT
B	GILMER CO. VOLUNTEER DEPT.	2.13 ACRES±	TM 1-4.4	GLENVILLE CORP. DISTRICT
C	LITTLE KANAWHA HOLDINGS LLC	0.35 ACRES±	TM 1-4.5	GLENVILLE CORP. DISTRICT
D	U.S. DEPT. OF AGRICULTURE C/O ROBIN COBERLY	1.59 ACRES±	TM 1-1	GLENVILLE CORP. DISTRICT
E	CITY OF GLENVILLE	1.12 ACRES±	TM 1-2	GLENVILLE CORP. DISTRICT
F	GLENVILLE MANOR LIMITED W.V. HOUSING DEV. FD.	0.60 ACRES±	TM 1-3	GLENVILLE CORP. DISTRICT
G	I.L. MORRIS	1.39 ACRES±	TM 1-2.5	GLENVILLE CORP. DISTRICT
H	CHARLOTTE G. THOMPSON	0.76 ACRES±	TM 1-2.4	GLENVILLE CORP. DISTRICT
I	GREGORY A. SMITH	0.31 ACRES±	TM 1-4.3	GLENVILLE CORP. DISTRICT
J	ARNOLD J. & MARY M. SMITH	3.05 ACRES±	TM 9-14	
K	EPISCOPAL DIOCESE OF W.V. C/O ST MARKS EPISCOPAL CHURCH	0.48 ACRES±	TM 9-7.4	
L	EPISCOPAL DIOCESE OF W.V. BISHOP ROBT. P. AKINSON	0.43 ACRES±	TM 9-7.3	

Professional Energy Consultants  
A DIVISION OF SMITHLAND SURVEYING, INC.  
**SLS**  
SURVEYORS  
ENGINEERS  
ENVIRONMENTAL  
PROJECT MGMT.  
DRAWN BY: K.D.W. FILE NO. 8153 DATE 04/29/14 CADD FILE: 8153WSS-1TM.dwg

TOPO SECTION OF:  
GLENVILLE, WV 7.5' QUAD.

DISTRICT	COUNTY	TAX MAP-PARCEL NO.
GLENVILLE	GILMER	9-7

OPERATOR:  
ENERGY CORPORATION OF AMERICA  
501 56TH STREET S.E.  
CHARLESTON, WV 25304

WW-9  
(5/13)

Page \_\_\_\_\_ of \_\_\_\_\_  
API Number 47 - \_\_\_\_\_ - \_\_\_\_\_  
Operator's Well No. Rinehart S-1

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

**FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN**

Operator Name Energy Corporation of America OP Code 306345

Watershed (HUC 10) Little Kanawha River Quadrangle Glenville 7.5

Elevation 761' County Gilmer District Glenville

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

Will a pit be used for drill cuttings? Yes x No \_\_\_\_\_

If so, please describe anticipated pit waste: Drill cuttings

Will a synthetic liner be used in the pit? Yes x No \_\_\_\_\_ If so, what ml.? 30

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 \_\_\_\_\_ )

Will closed loop system be used? no

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Air/ Water

-If oil based, what type? Synthetic, petroleum, etc. \_\_\_\_\_

Additives to be used in drilling medium? Soap, Klastay

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

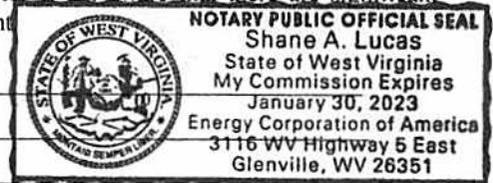
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) cement/ lime

-Landfill or offsite name/permit number? \_\_\_\_\_

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.

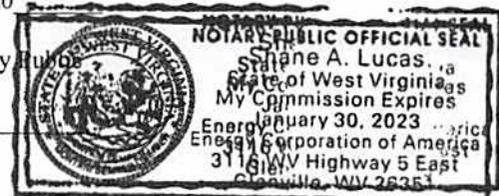
Company Official Signature \_\_\_\_\_  
Company Official (Typed Name) Rodney A. Winters  
Company Official Title Vice President of Land

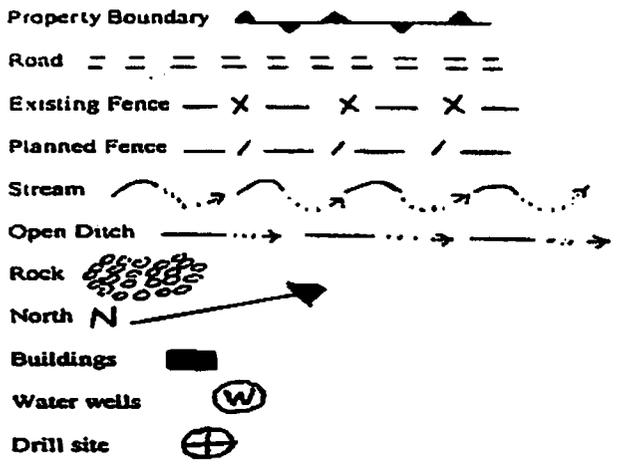


Subscribed and sworn before me this 30 day of MARCH, 2014

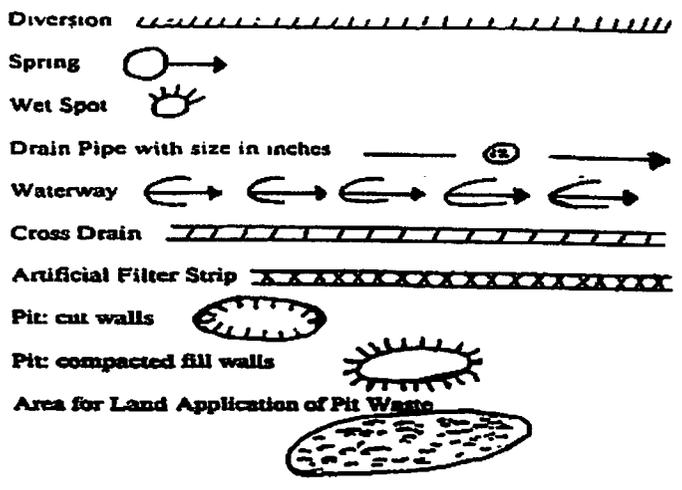
\_\_\_\_\_  
Notary Public

My commission expires January 30, 2023





LEGEND



Proposed Revegetation Treatment: Acres Disturbed 1 ± Prevegetation pH \_\_\_\_\_

Lime 3 Tons/acre or to correct to pH 6.5

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

Mulch HAY 2 Tons/acre

Seed Mixtures

Seed Type	Area I	lbs/acre	Seed Type	Area II	lbs/acre
KY-31		40	ORCHARD GRASS		15
ALSIKE CLOVER		5	ALSIKE CLOVER		5
ANNUAL RYE		15			

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]

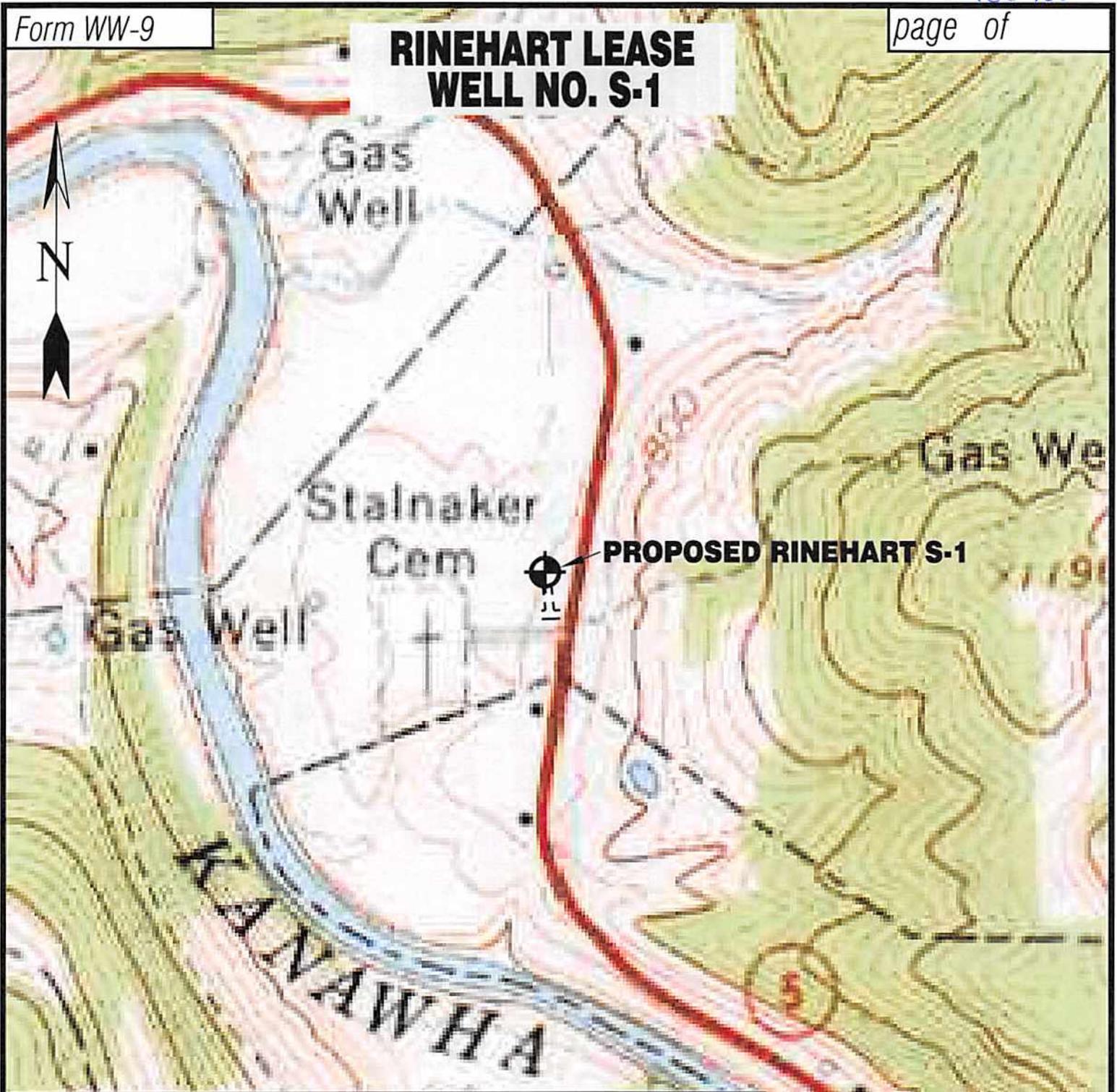
Comments: \_\_\_\_\_

Title: Oil + Gas Inspector Date: 3-24-14

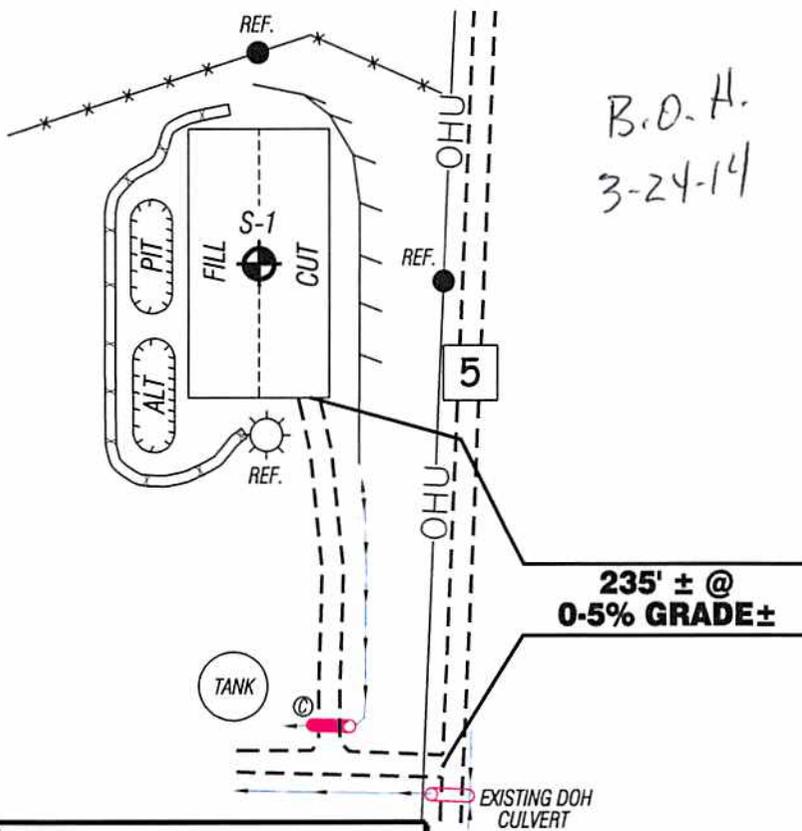
Field Reviewed? [Signature]

Yes ( ) No ( )

# RINEHART LEASE WELL NO. S-1



Detail Sketch for Proposed Well Rinehart S-1



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATION. SEPARATE PERMITS MAY BE REQUIRED BY THE 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 PLC PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES).

- = EXISTING CULVERT
- = PROPOSED CULVERT 12" MIN. UNLESS OTHERWISE NOTED
- = PROPOSED STREAM CROSSING
- = APPROXIMATE LIMITS OF DISTURBANCE

Not To Scale

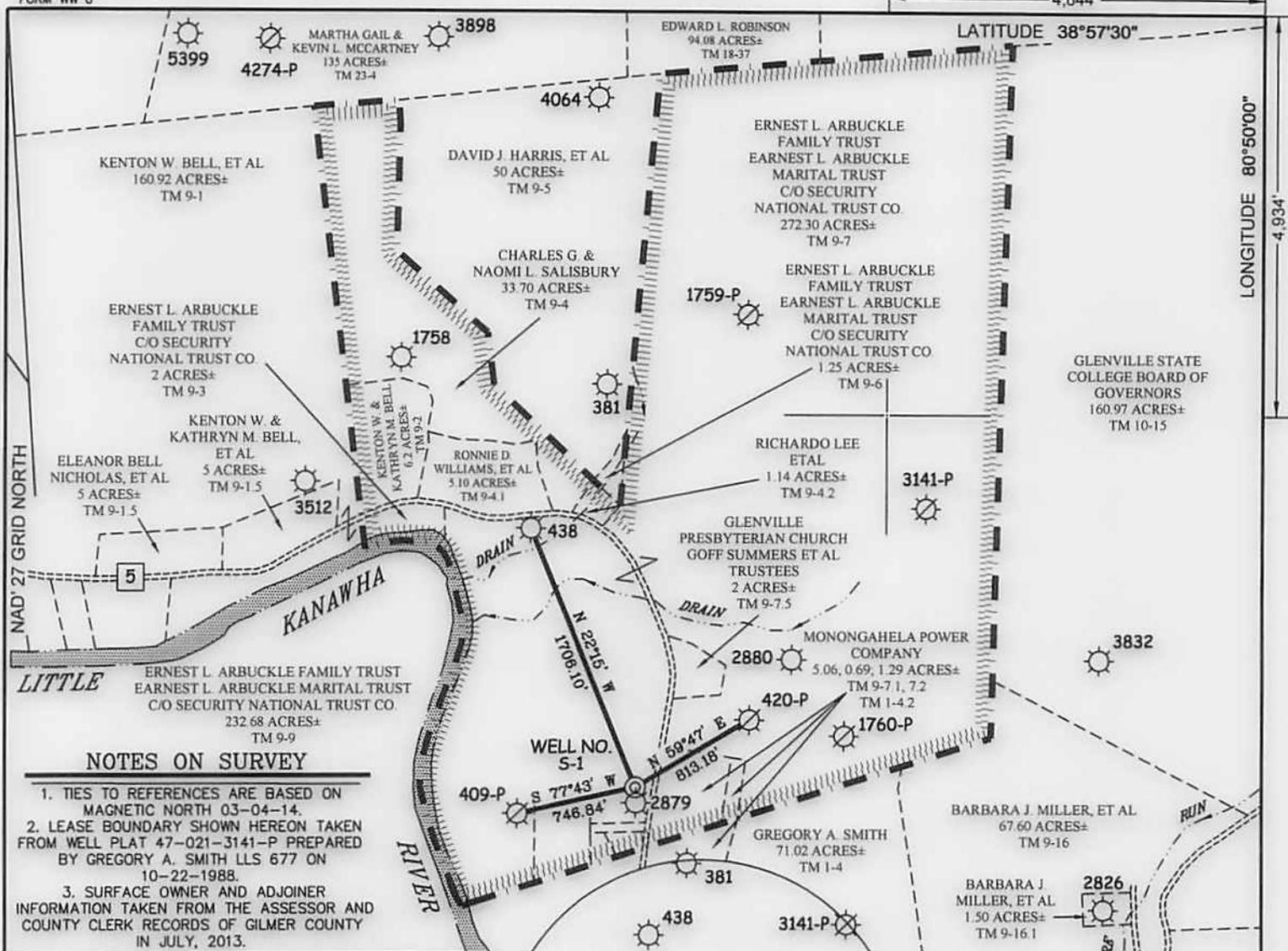
TOPO SECTION OF GLENVILLE 7.5' USGS TOPO QUADRANGLE

**Professional Energy Consultants**  
A DIVISION OF SMITH LAND SURVEYING, INC.

**SLS**  
SURVEYORS  
ENGINEERS  
ENVIRONMENTAL  
PROJECT MGMT.

(304) 462-5634 WWW.SLSSURVEYS.COM

DRAWN BY K.G.M.	FILE NO. 8153	DATE 03/19/14	CADD FILE: 8153RECS-1.dwg
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**NOTES ON SURVEY**

1. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 03-04-14.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM WELL PLAT 47-021-3141-P PREPARED BY GREGORY A. SMITH LLS 677 ON 10-22-1988.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF GILMER COUNTY IN JULY, 2013.

**ENERGY CORPORATION OF AMERICA  
RINEHART LEASE  
330 ACRES±  
WELL NO. RINEHART S-1**

(S.P.C. SOUTH ZONE) (UTM(M) ZONE 17 SOUTH)  
 NAD27 S.P.C.(FT) N. 708,218 E. 2,042,763  
 NAD27 GEO. LAT-(N) 38.94479 LONG-(W) 80.84966  
 NAD83 UTM (M) N. 4,310,670 E. 513,043



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677 *Gregory A. Smith*



**REFERENCES**



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE MARCH 21, 20 14  
 REVISED \_\_\_\_\_, 20 \_\_\_\_  
 OPERATORS WELL NO. RINEHART S-1  
 API WELL NO. 47 - 21 - 05765  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 8153PS-2 (497/23)  
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS SUBMETER MAPPING GRADE SCALE 1" = 1000'

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

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ IF "GAS" PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW

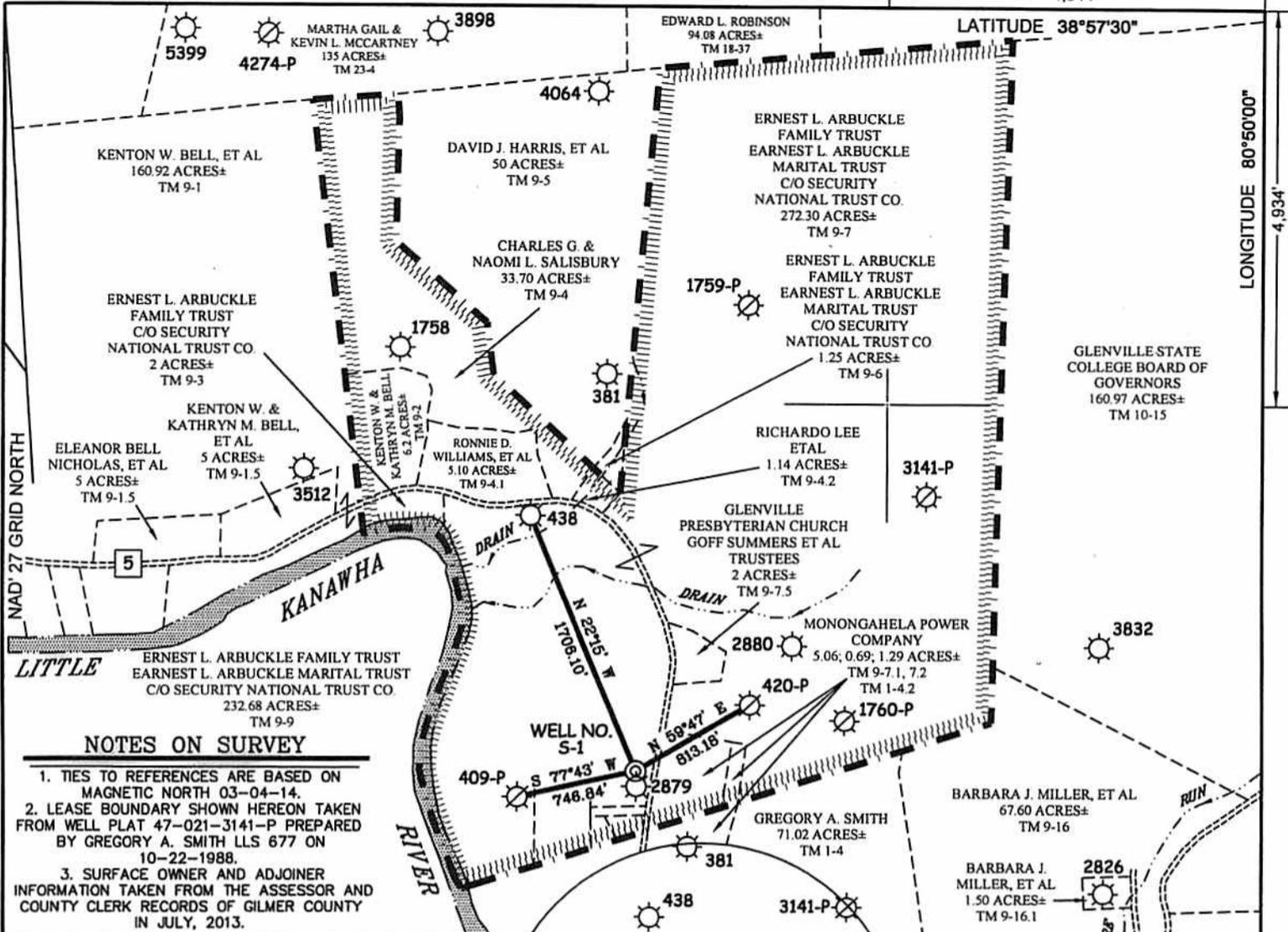
LOCATION: ELEVATION 762' WATERSHED LITTLE KANAWHA RIVER  
 DISTRICT GLENVILLE COUNTY GILMER QUADRANGLE GLENVILLE 7.5'

SURFACE OWNER ERNEST L. ARBUCKLE FAMILY TRUST ACREAGE 272.30±  
 ROYALTY OWNER ERNEST L. ARBUCKLE FAMILY TRUST ACREAGE 330±

PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_ OTHER \_\_\_  
 PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION SPEECHLEY ESTIMATED DEPTH 3,200'

WELL OPERATOR ENERGY CORPORATION OF AMERICA DESIGNATED AGENT RODNEY A. WINTERS  
 ADDRESS 501 56TH STREET S.E. ADDRESS 501 56TH STREET S.E.  
 CHARLESTON, WV 25304 CHARLESTON, WV 25304

COUNTY NAME PERMIT



**NOTES ON SURVEY**

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**ENERGY CORPORATION OF AMERICA  
RINEHART LEASE  
330 ACRES±  
WELL NO. RINEHART S-1**

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P.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE MARCH 21, 20 14  
 REVISED \_\_\_\_\_ 20 \_\_\_\_  
 OPERATORS WELL NO. RINEHART S-1  
 API WELL NO. 47 - 21 - 05765  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 8153PS-2 (497/23)  
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS SUBMETER MAPPING GRADE SCALE 1" = 1000'

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

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_ IF "GAS" PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW X

LOCATION: ELEVATION 762' WATERSHED LITTLE KANAWHA RIVER  
 DISTRICT GLENVILLE COUNTY GILMER QUADRANGLE GLENVILLE, 7.5'

SURFACE OWNER ERNEST L. ARBUCKLE FAMILY TRUST ACREAGE 272.30±  
 ROYALTY OWNER ERNEST L. ARBUCKLE FAMILY TRUST ACREAGE 330±

PROPOSED WORK: DRILL X CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_ OTHER \_\_\_\_\_

PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION SPEECHLEY ESTIMATED DEPTH 3,200'

WELL OPERATOR ENERGY CORPORATION OF AMERICA DESIGNATED AGENT RODNEY A. WINTERS  
 ADDRESS 501 56TH STREET S.E. ADDRESS 501 56TH STREET S.E.  
 CHARLESTON, WV 25304 CHARLESTON, WV 25304

**REFERENCES**



COUNTY NAME PERMIT

7-29-09

API # \_\_\_\_\_

Operator: ECAWell #/Name: RINEHART S-1

Reviewed By: \_\_\_\_\_

End of Comment Period: \_\_\_\_\_

**CHECK LIST FOR FILING A PERMIT****I. New Drill**

<b>X</b>	<b>WW-2B</b>
<b>X</b>	WW-2B signed off by inspector
<b>X</b>	WW-2A
<b>X</b>	Certified Mail Receipts or affidavit of personal service
<b>X</b>	Surface Owner Waiver
<b>X</b>	Coal Owner/Lessee/Operator Waiver
<b>X</b>	WW-2A (1) including page and book and royalty percentage
<b>X</b>	WW-2B (1)
<b>X</b>	WW-9 (page 1 and 2)
<b>X</b>	Inspector Signature on WW-9
<b>X</b>	Reclamation Plan
<b>X</b>	Mylar Plat
<b>X</b>	Topography Map of the proposed location
<b>X</b>	Database for Coal Depths, Permits, Boundaries
<b>X</b>	Bond (On File with WVDEP)
<b>X</b>	A check for \$650.00 shallow well, \$900.00 Deep well
<b>X</b>	Workers Comp/Employ/Registered with the SOS. OK

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Office of Oil and Gas  
APR 01 2014  
WV Department of  
Environmental Protection



**OPERATOR:** Energy Corporation of America  
**LEASE NAME AND NUMBER:** Rinehart Lease Well No. S-1

**COMMENTS**

The initial mapping review of the area surrounding the proposed well site revealed the below listed surface owner(s) that were potentially utilizing groundwater (potable) for Human Consumption or other purposes within 1500' of the proposed well site. The following landowners will be notified of the opportunity to request a water sample.  
 \*Please note that the following information is subject to change upon field inspection.

**INDIVIDUAL CONTACTED OR NOTIFIED**

**Owner/Occupant:** Ernest L Arbuckle Family Trust  
**Address:** 1300 Chapline St. Wheeling, WV 26003 **Letter/Notice Date:** \_\_\_\_\_  
**Comments:** Tax Map 9 Parcel 9

**Owner/Occupant:** Ernest L Arbuckle Family Trust  
**Address:** 1300 Chapline St. Wheeling, WV 26003 **Letter/Notice Date:** \_\_\_\_\_  
**Comments:** Tax Map 9 Parcel 7

**Owner/Occupant:** St. Marks Episcopal Church  
**Address:** 607 West Main St. Glenville, WV 26351 **Letter/Notice Date:** \_\_\_\_\_  
**Comments:** Tax Map 9 Parcel 7.3

**Owner/Occupant:** St. Marks Episcopal Church  
**Address:** 607 West Main St. Glenville, WV 26351 **Letter/Notice Date:** \_\_\_\_\_  
**Comments:** Tax Map 9 Parcel 7.4

**Owner/Occupant:** Stalnaker Cemetery  
**Address:** \_\_\_\_\_ **Letter/Notice Date:** \_\_\_\_\_  
**Comments:** Tax Map 9 Parcel 10

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 APR 01 2014  
 WV Department of  
 Environmental Protection

Owner/Occupant: Arnold & Mary Smith  
Address: P.O. Box 375 Glenville, WV 26351 Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 9 Parcel 14

Owner/Occupant: Monongahela Power Company  
Address: 1310 Fairmont Ave. Fairmont, WV 26554 Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 9 Parcel 7.1

Owner/Occupant: Monongahela Power Company  
Address: 1310 Fairmont Ave. Fairmont, WV 26554 Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 9 Parcel 7.2

Owner/Occupant: Glenville Presbyterian Church  
Address: 1172 WV Hwy 5 W Glenville, WV 26351 Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 9 Parcel 7.5

Owner/Occupant: Waco Oil & Gas Co. Inc.  
Address: P.O. Box 397 Glenville, WV 26351 Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 15 Parcel 3

Owner/Occupant: Town of Glenville  
Address: \_\_\_\_\_ Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 1 Parcel 4.1

Owner/Occupant: Monongahela Power Company  
Address: 1310 Fairmont Ave. Fairmont, WV 26554 Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 1 Parcel 4.2

Owner/Occupant: Gregory Smith  
Address: P.O. Box 150 Glenville, WV 26351 Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 1 Parcel 4

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Office of Oil and Gas

APR 01 2014

WV Department of  
Environmental Protection

Owner/Occupant: United States Department of Agriculture  
Address: 1200 Harrison Ave. Ste. 150 Elkins, WV 26241 Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 1 Parcel 1

Owner/Occupant: City of Glenville  
Address: 20 N Court St. Glenville, WV 26351 Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 1 Parcel 2

Owner/Occupant: Glenville State College Housing Corporation  
Address: 200 High St. Glenville, WV 26351 Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 1 Parcel 2.1

Owner/Occupant: Charlotte Thompson  
Address: 805 Hale St. Glenville, WV 26351 Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 1 Parcel 2.4

Owner/Occupant: I.L. Morris  
Address: P.O. Box 397 Glenville, WV 26351 Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 1 Parcel 2.5

Owner/Occupant: Glenville Manor Limited West Virginia Housing Development Fund  
Address: 100 Star Ave. Suite 112 Parkersburg, WV 26101 Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 1 Parcel 3

Owner/Occupant: Gregory Smith  
Address: P.O. Box 150 Glenville, WV 26351 Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 1 Parcel 4.3

Owner/Occupant: Gilmer County Volunteer Fire Department  
Address: \_\_\_\_\_ Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 1 Parcel 4.4

RECEIVED  
Office of Oil and Gas

APR 01 2014

WV Department of  
Environmental Protection

Owner/Occupant: Little Kanawha Holdings LLC  
Address: 604 W Main St. Glenville, WV 26351 Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 1 Parcel 4.5

Owner/Occupant: Arnold & Mary Smith  
Address: P.O. Box 375 Glenville, WV 26351 Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 37 Parcel 1

Owner/Occupant: Arnold & Mary Smith  
Address: P.O. Box 375 Glenville, WV 26351 Letter/Notice Date: \_\_\_\_\_  
Comments: Tax Map 37 Parcel 1.1

Owner/Occupant: \_\_\_\_\_  
Address: \_\_\_\_\_ Letter/Notice Date: \_\_\_\_\_  
Comments: \_\_\_\_\_

Owner/Occupant: \_\_\_\_\_  
Address: \_\_\_\_\_ Letter/Notice Date: \_\_\_\_\_  
Comments: \_\_\_\_\_

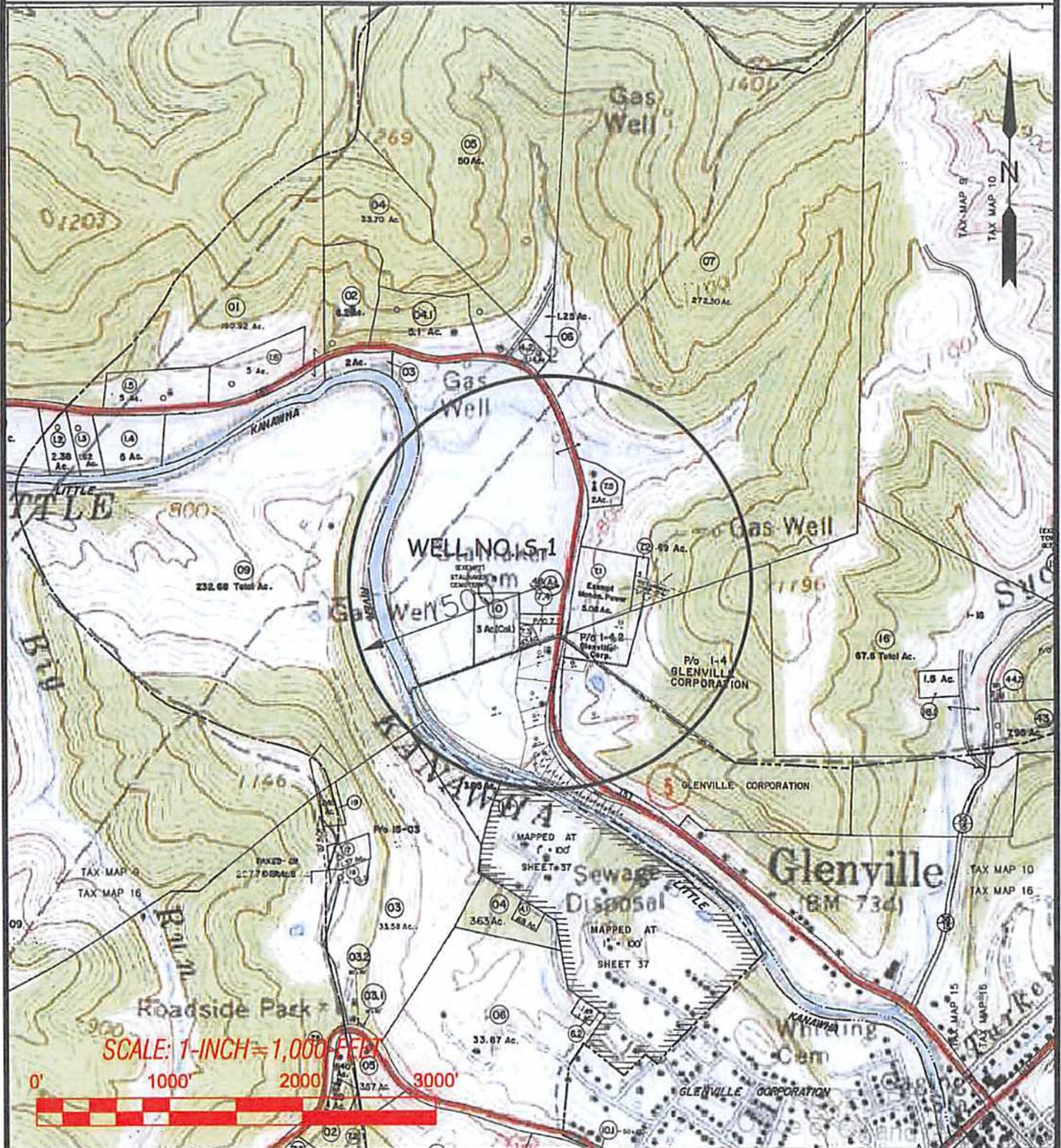
Owner/Occupant: \_\_\_\_\_  
Address: \_\_\_\_\_ Letter/Notice Date: \_\_\_\_\_  
Comments: \_\_\_\_\_

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Comments: \_\_\_\_\_

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Address: \_\_\_\_\_ Letter/Notice Date: \_\_\_\_\_  
Comments: \_\_\_\_\_

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Office of Oil and Gas  
APR 01 2014  
WV Department of  
Environmental Protection

# RINEHART LEASE WELL NO. S-1



SCALE: 1-INCH = 1,000 FEET

0' 1000' 2000' 3000'

Professional Energy Consultants  
A DIVISION OF SMITH LAND SURVEYORS

Surveying PROJECT MGMT ENGINEERS ENVIRONMENTAL

**SLS**

710 Box 152  
Shawnee, WV 26049  
304-943-8834

9000 Ohio Bottom Road  
Martinsburg, WV 26157  
740-871-2013

DRAWN BY: K.G.M. FILE NO: 8153 DATE: 03/20/14 CADD FILE: 8153W5-1.DWG

TOPO SECTION OF:  
GLENVILLE, WV 7.5' QUAD.

DISTRICT	COUNTY	TAX MAP-PARCEL NO.
GLENVILLE	GLENVILLE	9-7

OPERATOR: APR 01 2014  
ENERGY CORPORATION OF AMERICA  
501 56TH STREET S.E.  
CHARLESTON, WV 25304

Environmental Protection