

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

May 05, 2014

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-2105766, 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.

lames Martin

Operator's Well No: RINEHART S-2

Farm Name: ERNEST L. ARBUCKLE FAMILY

API Well Number: 47-2105766 Permit Type: Vertical Well

Date Issued: 05/05/2014

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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

CONDITIONS

- 1. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6-20, which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 2. Pursuant to 35 CSR § 4-19.1.a, at the request of the surface owner all water wells or springs within 1000 feet of the proposed well that are actually utilized for human consumption, domestic animals or other general use shall be sampled and analyzed.
- 3. Pursuant to 35 CSR § 4-19.1.c, if the operator is unable to sample and analyze any water well or spring 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.

WW - 2B (Rev. 8/10)

Depths Set



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

						3	372
1) Well Operat	or: Ener	gy Corpo	ration of America	306345	Gilmer	Glenville	Glenville 7.5
				Operator ID	County	District	Quadrangle
2) Operator's \	Vell Numi	ber: Rine	hart S-2		3) Elevation:	872'	
4) Well Type: ((a) Oil	or Ga	as <u>x</u>				
(b) If Gas:	Produ	iction × / Und	erground Sto	orage		
		Dee	p/ S	hallow x			
 6) Proposed To 7) Approximate 	otal Depth e fresh wa	n: 3300' ater strata	Feet Fa depths: 360', 466', None reported in offset	ormation at	Proposed Tai Proposed Total	get Depth: <u>Spe</u>	3130' echley
9) Approximate	e coal sea	m depth	S: None reported in	offset wells			
10) Approxima	te void de	oths.(co	al, Karst, other):	None reported	in offset wells		
0.04.50							
11) Does land	contain co	oai seam	s tributary to acti	ve mine?	lo		-
			nd fracturing metho				
			ws: After setting and ately 3300' and run p				
			above the shallowe				The second secon
13)		CA	SING AND TUB	ING PROGR	AM		
	SPECIFIC	the state of the s		FOOTAGE	INTERVALS	CEME	NT
	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#	762'	762'	CTS	3
Coal					4 0	Hun	
Intermediate					3-24	-14	
Production	4 1/2"	WT65, R3	9.5#	3300'	3300'	320	ED
Tubing					Č.	lice of Oil	and Gas
Liners						APR 01	2014
Packers: Kind						AN Deba	rtment of

EURIUS.

05/09/2014

WW-	2A
(Rev.	6-07)

1). Date: March 3, 2014

2.) Operator's Well Number Rinehart S-2
State 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

	ner(s) to be served		5) (a) Coal Ope	erator	
(a) Name	Ernest Arbuckle Family Tr	rust	Name	-	
Address	1300 Chapline Street	/	Address		
W. C. Walter	Wheeling, WV 26003		-1		
(b) Name				wner(s) with Declarat	ion
Address			Name		
	_		Address		
(c) Name			Name		
Address	-		Address		
6) Inspector	Bryan Harris		(c) Coal Le	ssee with Declaration	n
Address	P.O. Box 157	1	Name		
	Volga, WV 26238	-	Address		
Telephone	304-553-6087				
Priorio		PERSONS NA	MED ABOVE TA	KE NOTICE THAT:	
Included is th					right to extract oil and gas
OR	ic icase of icases of	other continuing	contract or contra	cts by which I hold the	right to extract oil and gas
	e information require	ad by Chapter 23	Article & Continu	Old) of the Code of M	est Virginia (see page 2)
Lacetifu	bet as required and	or Observer CO C	- Allicie o, Section	o(d) of the Code of W	est virginia (see page 2)
r certify t	nat as required und	er Chapter 22-6	of the West Virgin	nia Code I have serve	d copies of this notice and
application, a loca				gh on the above n	amed parties by:
-		ce (Affidavit atta			
X			tal receipt attached	1)	
A Company		tice of Publication		Control to Mark the Control	
I nave rea	ad and understand C	hapter 22-6 and	d 35 CSR 4, and I	agree to the terms a	nd conditions of any permit
issued under this		mar reconstruction			
this application for	inder penalty of law	that I have pers	ionally examined a	ind am familiar with the	e information submitted on
obtaining the info	rmation, I believe tha	ents, and that be	ased on my inquiry	of those individuals if	mmediately responsible for
I am awa	re that there are sign	nificant penaltics	for submitting fold	and complete.	g the possibility of fine and
imprisonment.	ire triat triefe are sign	illicant penalties	TO Submitting rais	includin	g the possibility of fine and
NOTARY PU	BLIC OFFICIAL SEAL	Well Operator	Energy Corporation of A	merica / / /	1//
	ne A. Lucas of West Virginia	By:	Rodney A. Winters	119211/1	1/1
My Com	nmission Expires	Its:	Vice President of Land	001100	V (
January Con	uary 30, 2023 rporation of America	Address	501 56th Street SE		
3116 W	V Highway 5 East	7,100,000	Charleston, WV 25304		
Glenv	ille, WV 26351	Telephone	304-925-6100		
Subscribed and s	worn before me this	3/ day of		, 20	14
	//	7			
		4		Notary Public	CENTL
My Commission E		num 30,	2023		REDEVICE GAS
Oil and Gas Privacy I	Notice			(THICE OF UNI OF
The Office of Oil and	Gas processes your ne	rsonal information	such as name addre	ss and phone number as	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

05/09/2014

3824	CERTIFIEL (Domestic Mail O	nly; No Insu	rance Covera	ige Provided)
2920 0000 6497	Postage Certified Fee Return Receipt Fee (Endorsement Required) Restricted Delivery Fee (Endorsement Required) Total Postage & Fees	\$ 1.6 3.3 2.7	30	Postmark Here
7012	Sent To ARBULLI Street, Apr. No.; or PO Box No. City, State, ZIP+4 PS Form 3800, August 2			S-1 S-Z

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DE	LIVERY
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse 	A. Signature	☐ Agent ☐ Addressee
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.	B. Received by (Printed Name)	C. Date of Delivery
1. Article Addressed to:	D. Is delivery address different from ite If YES, enter delivery address belo	
ARBUCKLE ERNEST L FAMILY TRUST		
1300 CHAPLINE ST		
WHEELING, WV 26003	3. Service Type Gertified Mail Express Mail Registered Return Rec	ull eipt for Merchandise
	4. Restricted Delivery? (Extra Fee)	☐ Yes
2. Article Number (Transfer from service label) 7012 29	20 0000 6497 3824	
PS Form 3811, February 2004 Domestic Ret	urn Beceipt	102595-02-M-1540



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



7012 2920 0000 6497 3831





Energy Corporation of America

501 56th Street Charleston, West Virginia 25304

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

FIRST CLASS MAIL

7 3831	CERTIFIED (Domestic Mail Control of the Control of	nly; No Insu	rance Co	verage Provided)
5649	Postage	s 2.	24	
	Certified Fee	3.	30	
0000	Return Receipt Fee (Endorsement Required)	7.	70	Postmark Here
0	Restricted Delivery Fee (Endorsement Required)			
292	Total Postage & Fees	\$ 8.	24	
пи	Sent To BRYAN H	HERIS	RINGH	MET 5-15-2
707	Cleant Ant Ma	.O. Bo	***********	***************************************
	Chief Charles Steel A	Olga,		*************************
	PS Form 3800, August 2	006	S	see Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIV	Terror I
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse 	A. Signature	☐ Agent ☐ Addresse
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.	B. Received by (Printed Name)	C. Date of Deliver
Article Addressed to: HARRIS, BRYAN P.O. BOX 157	D. Is delivery address different from item If YES, enter delivery address below	
VOLGA, WV	3. Service Type Cortified Mail Registered Return Recei	pt for Merchandis
	4. Restricted Delivery? (Extra Fee)	☐ Yes
2. Article Number	20 0000 6497 3831	

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 he reby a cknowledges 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
- WW 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 ac quired from the appr opriate aut hority before the affected activity is initiated.

Well Operator:

Energy Corporation of America

By:Its:

Rodney A. Winters

Vice President of Land

MA TONTERO WE Environmental Protection

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 P. 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 corporation. In witness whereof, I hereunto set my hand and official seal. My commission expires January 30, 2023.

Notary Public

APR 0 1 2014

WV Department of -mental Protection





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

Secretary of State

WW-2B1	
(5-12)	

Well No.	Rinehart S-2

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 Labora	atory Name	Reliance Labs
Sampling Conti	ractor	Smith Land Surveying, Inc Environmental Division
Well Operator	Energy Corpora	ation of America
Address	501 56th Street	t S.E.
	Charleston, WV	/ 25304
Telephone	304-925-6100	

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 4 +/- potable water sources within 1,500', therefore tests will be offered and samples taken as required.

APR 01 2014

WV Development of Environmental Protection

RECEIVED Office of Oil and Gas

MAY 5 2014

WV Department of Environmental Protection



LEASE NAME AND NUMBER: Rinchart Lease Well No. S-2

OPERATOR: Energy Corporation of America

P.O. BOX 150, GLENVILLE, WV 26351

(304) 462-5634 · FAX 462-5656

WELL INFORMATION AND POTENTIAL WATER WELL SAMPLE DATA SHEET

COMMENTS

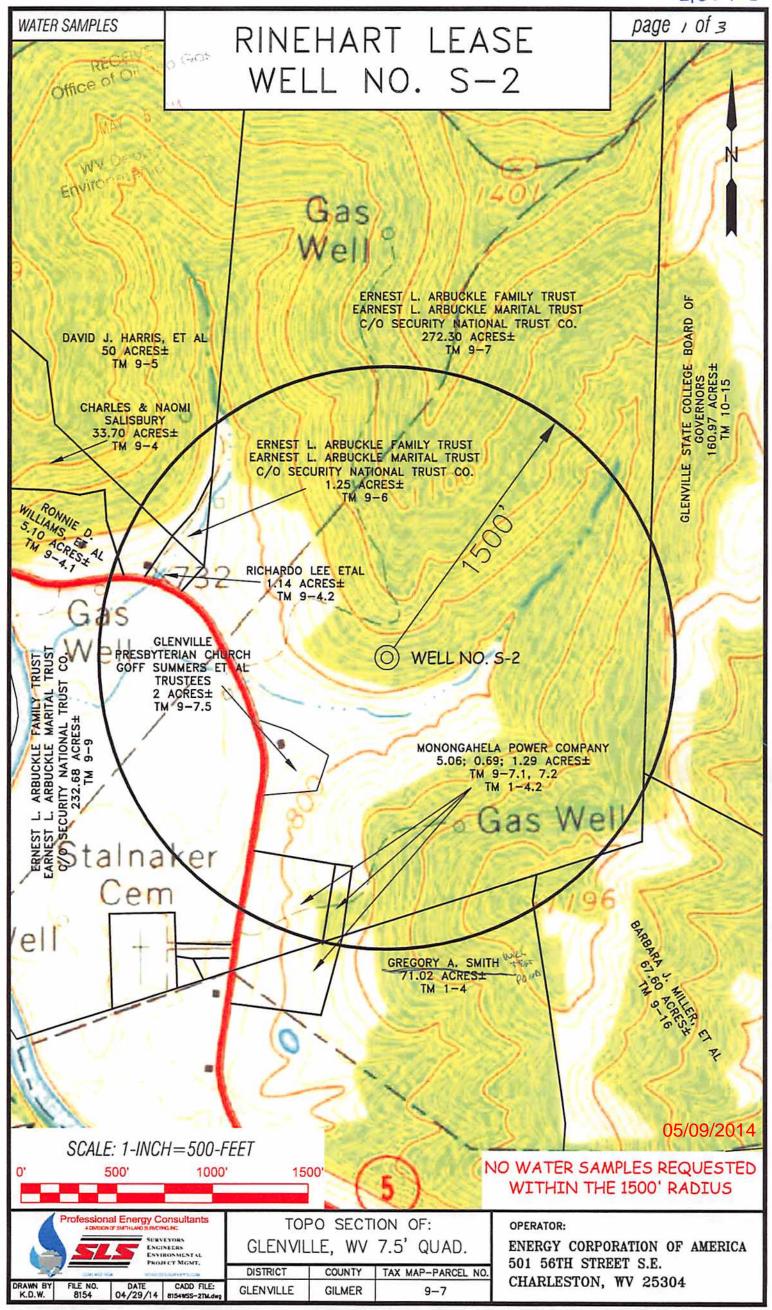
	INDIVIDUAL CONTACTED OR NOTIFIED
Site: /	Spacing NA Owner/Occupant: Gregory Smith
Address:	P.O. Box 150 Glenville, WV 26351 Ph: (304) 462-5634
Field Conta	ect Date: 4/26/14 Located: No Date Located: NA Source: City Water
If No, decline Comments:	d by who Gregory Smith Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) N/A Tax Map 1 Parcel 4
	Signedletter of refusal WILL ALLOW TESTING IN POND
	POND IS WIN 2000 OF WELL
Site: 2	
Site: 2 Address:	Spacing N/A Owner/Occupant: Monongahela Power Company
Field Conta	5001 Nasa Blvd. Fairmont, WV 26554 Ph: (800) 686-0022
No, declined	by who Letter/Notice Date: 1st 2nd N/A Certified (3rd) 4/7/14
comments.	Tax Map 1 Parcel 4.2 also Tax Map 9 Parcel 7.1 & Parcel 7.2
	No office located on property.
	Certified sent 4/7/14
Site: 3	Spacing N.A Owner/Occupant: Glenville Presbyterian Church
-	
Address. Field Contac	1172 WV Hwy 5 W Glenville, WV 26351 Ph: (304) 462-7239 ct Date: 3/26/14 Located: No Date Located: N/A Source: City Water
Address. Field Contac	1172 WV Hwy 5 W Glenville, WV 26351 Ph: (304) 462-7239 ct Date: 3/26/14 Located: No Date Located: N/A Source: City Water
Address. Field Contact f No. declined	1172 WV Hwy 5 W Glenville, WV 26351 Ph: (304) 462-7239
Address. Field Contact f No. declined	t Date: 3/26/14 Located: No Date Located: N/A Source: City Water by who Charles Ringe Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) N/A
Address. Field Contact f No. declined	1172 WV Hwy 5 W Glenville, WV 26351
Address. Field Contac f No. declined Comments:	t Date: 3/26/14 Located: No Date Located: N/A Source: City Water by who Charles Ringe Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) N/A Tax Map 9 Parcel 7.5 Signed letter of refusal.
Address. Field Contact f No. declined Comments:	to Date: 3/26/14 Located: No Date Located: N/A Source: City Water by who Charles Ringe Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) N/A Tax Map 9 Parcel 7.5 Signed letter of refusal. Spacing N/A Owner/Occupant: Ricardo Lee
Address. Field Contact f No. declined Comments. Site: 4	1172 WV Hwy 5 W Glenville, WV 26351
Address. Field Contact f No, declined Comments. Site: 4 Address: Field Contact	1172 WV Hwy 5 W Glenville, WV 26351
Address. Field Contact f No, declined Comments. Site: 4 Address: Field Contact f No, declined	1172 WV Hwy 5 W Glenville, WV 26351

Office of Oil and Gas

MAY 5 2314

WV Department of Environmental Protection

Address:	1404 WY Hay	5 W Glei	nville, WV.	26351			Ph	1	304) 46.	2-5843	
Field Contac	t Date: 3/					Located	: NA	Sou	rce:	City W	ater
	by who Charles Sal										
Comments:	Tax Map 9 P	arcel 4							234.31.65	3	
	Signed letter	of refusal									
	Spacing					Arhuck					
	1300 Chaplin						Ph				
	t Date:										
	by who										
Comments	Tax Map 9 P	arcel 6 ar	nd Parcel 7	No hous	se loca	ted on pr	operty wit	thin the	1500' rai	dius.	
	Certified sen	14/7/14									
Sita -	Specine		Owner	000	nt:	n					
	Spacing		_	F 1.12 + 2.5 + 1	-	Reba T	-		Sec 2 40	andaw.	
Address:									304) 269		
It No de l'action	t Date:	V/A L	ocated:	No	_Date	Located	1:N/A	Sou	rce:	Unkne	own
	by who									d (3rd)	4/7/14
Comments.	Tax Map 9 P		Vo house lo	cated on	proper	rty within	the 1500	radius.			
	Certified sen	14/7/14						radius.			
Site. 8 Address: Field Contact If No, declined Comments:	Spacing 30/13 Grass R It Date: by who Barbar	N/A un Rd. No N/A Lc a Miller arcel 16	Owner/Ormantown, ocated: Letter/Noti	Occupar WV 2520 No ice Date:	nt: 67 _Date 1st	Barbara Located N/A	a Miller Ph NA 2nd	: (Sour	304) 462 rce: Certified	Unkno	4/7/14
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Site. 8 Address: Field Contact If No, declined Comments: Site: 9 Address. Field Contact If No, declined Comments: Site: 10	Spacing 3013 Grass R t Date: by who Barbar Tax Map 9 P Signed letter Spacing 200 High St. C t Date: by who Richard Het Tax Map 10 I Signed letter Spacing Date: Date:	N/A un Rd. No N/A Lo a Miller arcel 16 of refusal N/A ilenville, 10 Parcel 15 of refusal	Owner/Cormantown, ocated: Letter/Notise In College Country College College Country College Colleg	Occupar No ice Date: ocated or No ce Date: ge Farm.	Date 1st Date 1st Date 1st Date 1st	Barbara Located N/A erty withi Glenvill	a Miller Ph 2nd n the 1500 Ph N/A 2nd Ph N/A 2nd Ph:	Sour	304) 462 ce: Certified oard of 0 304) 462 ce: Certified	Unkno d (3rd) Governors 2-7361 Unkno d (3rd)	4/7/14 s



WW-9 (5/13)

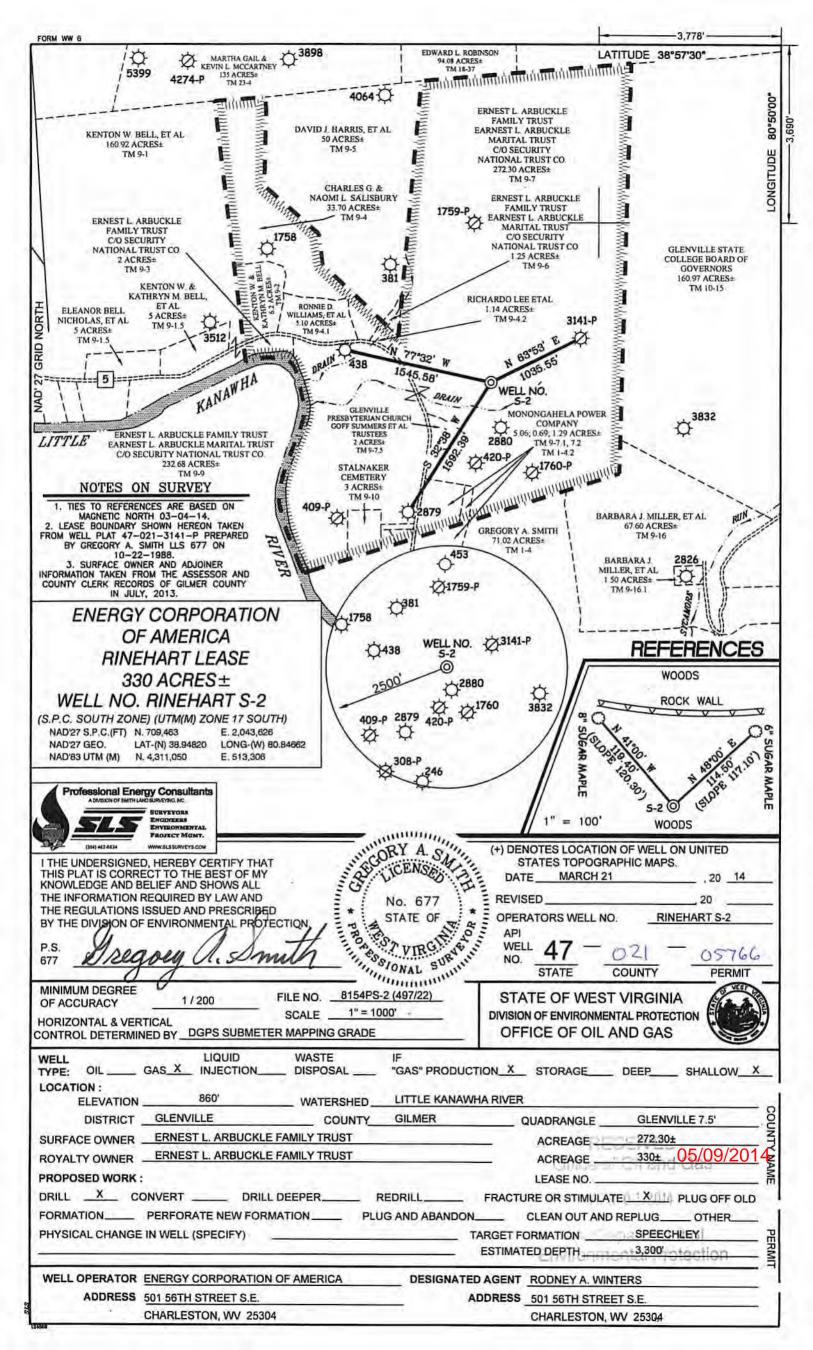
F	age of
API Number 47 -	•
Operator's Well No.	Rinehart S-2

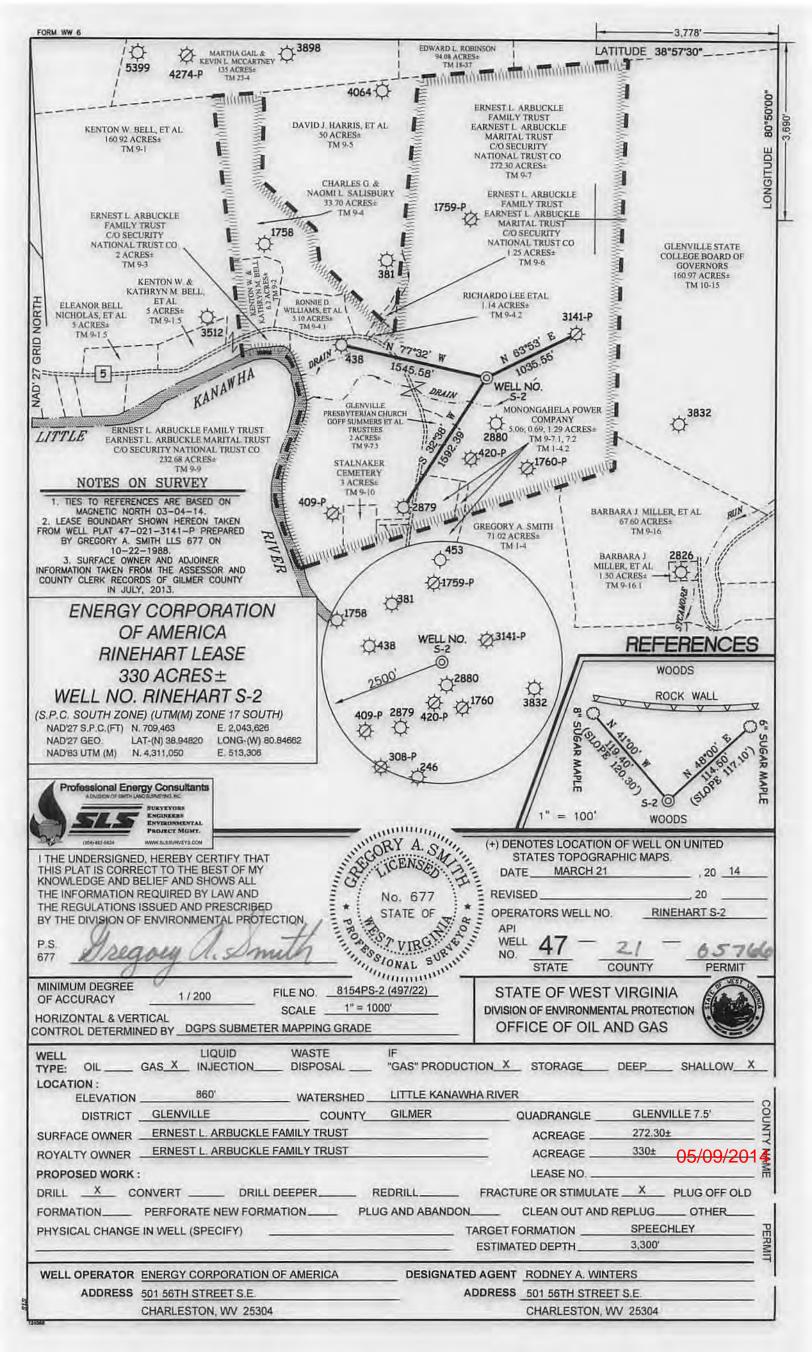
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Energy Corporation of America OP Code 306345					
Watershed (HUC 10) Little Ka	nawha River Quadrangle Glenville 7.5				
Elevation 860'	County_Gilmer District_Glenville				
Will a pit be used for drill cutti If so, please describe	han 5,000 bbls of water to complete the proposed well work? Yes No _x ings? Yes x No anticipated pit waste: Drill Cuttings				
Proposed Disposal M	be used in the pit? Yes X No If so, what ml.? 30 ethod For Treated Pit Wastes:				
Und Reu Off	d Application lerground Injection (UIC Permit Number) se (at API Number) Site Disposal (Supply form WW-9 for disposal location) er (Explain				
Will closed loop system be use	d? no				
Drilling medium anticipated fo	r this well? Air, freshwater, oil based, etc. Air/ Water				
-If oil based, what typ	e? 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 na	me/permit number?				
on August 1, 2005, by the Office provisions of the permit are end law or regulation can lead to end are regulation from and all attached application form and all attached bataining the information, I be	y of law that I have personally examined and am familiar with the information submitted on this chments thereto and that, based on my inquiry of those individuals immediately responsible for elieve that the information is true, accurate, and complete. I am aware that there are significant information, including the possibility of fine or imprisonment.				
Subscribed and sworn before n	Notary Public of Pictary Public Official Shape A Lucas	2			
My commission expires	State of West Virging My Commission Exp 05/09/20 14/3 Energy Corporation of A 3116 WV Highway 5 Glenville, WV 2635	merice East			

		LEGEND	
Property Boundary 4		Diversion (C.) (C.)	
Rond = = = =	======	Spring -	
Existing Fence — >	- × — × —	Wei Spai	
Planned Fence	/_/_/_	Drain Pipe with size in inches	— ® —
Stream	(1.1.2) (1.1.2)	Waterway -	\Longrightarrow
Open Ditch	··>··->	Cross Drain	
Rock # SS SS SS		Artificial Filter Strip XXXX	*****
North N		Pit: cut walls	
Buildings (1997)	_	Pit: compacted fill walls	
Water wells (D	Area for Land Application of Pi	Waste
Drill site		<u> </u>	
Proposed Revegetation Tre	eatment: Acres Disturbed	1.6 ± Prevegetation pH	
Lime3	Tons/acre or to correct	ιωρΗ 6.5	
		-	
reminzer (10-20-2	O or equivalent) 1/3 TON	lbs/acre (500 lbs minimum)	
Mulch HAY	2	Tons/acre	
		Seed Mixtures	
	Area I	Area	ılı
Seed Type	lbs/acre	Seed Type	lbs/acre
KY-31	40	ORCHARD GRASS	15
ALSIKE CLOVER	5	ALSIKE CLOVER	5
ANNUAL RYE	15	-	•
	n,pit and proposed area for lan	nd application.	
Plan Approved by:	eya O'Hem'		
Field Reviewed?	Inspector		
icid izeaic	Y Yes (_) No	





7-29-09

API #	
Operator:	ECA
Well #/Name:	RINEHART S-2
Reviewed By:	
End of Comment Period:	

CHECK LIST FOR FILING A PERMIT

I. New Drill

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

Office of Oil and Gas

APR 01 2014

Wy Department of Environmental Protection 05/09/2014

WATER SAMPLES page of RINEHART LEASE WELL NO. S-2 Gas Well 04) 33.70 Ac (07) (8) 641) WELL NO. 5-2 G Gas We Vell GLENVILLE CORPORATION PLY VINCE 1,000-FEET Disposa (03) MAPPED AT SHEET 37 Professional Energy Consultants TOPO SECTION OF: OPERATOR: GLENVILLE, WV 7.5' QUAD. ENERGY CORPORATION OF AMERICA 501 56TH STREET S.E rotection DISTRICT TAX MAP-PARCEL NO. COUNTY CHARLESTON, WV 25304 FILE NO. 8154 CADD FILE: DATE | CADD FILE 03/20/14 | 8154WSS-2.0V GLENVILLE GLENVILLE 9-7 05/09/201



P.O. BOX 150, GLENVILLE, WV 26351

(304) 462-5634 • FAX 462-5656

OPERATOR:	Energy Corporation of America			
LEASE NAME A	ND NUMBER: _	Rinehart Lease Well No. S-2		

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 CONTAC	TED OR NOTIFIED
Owner/Occu	ipant: Ernest L Arbuckle Family Trust	
Address:	1300 Chapline St. Wheeling, WV 26003	Letter/Notice Date:
Comments:	Tax Map 9 Parcel 6	
	ipant: Ernest L Arbuckle Family Trust	
Address:	1300 Chapline St. Wheeling, WV 26003	Letter/Notice Date:
Comments:	Tax Map 9 Parcel 7	
Owner/Occu		
	P.O. Box 97 Glenville, WV 26351	Letter/Notice Date:
Comments:	Tax Map 9 Parcel 4	
Owner/Occu	pant: RonnieWilliams	
Address:	6239 US Hwy 33 E Glenville, WV 26351	Letter/Notice Date:
Comments:	Tax Map 9 Parcel 4.1	
Owner/Occu	pant: Ricardo & Gerry Lee	
Address:	1362 WV Hwy 5 W Glenville, WV 26351	Letter/Notice Date:
Comments:	Tax Map 9 Parcel 4.2	
		HECEIVED
		Oillog of Oil and Gas

8154.ECA.RinehartS-2.Potential.Pg1

ACK 0 1 2014

Owner/Occu	pant: David Harris		
Address:	662 Skuse Rd. Osseo, MI 49266	Letter/Notice Date:	
Comments:	Tax Map 9 Parcel 5		
Owner/Occu	pant: Monongahela Power Company		
	1310 Fairmont Ave. Fairmont, WV 26554	Letter/Notice Date:	
Comments:	Tax Map 9 Parcel 7.1		
Owner/Occu	pant: Monongahela Power Company		
Address:	1310 Fairmont Ave. Fairmont, WV 26554	Letter/Notice Date:	-
	Tax Map 9 Parcel 7.2		
	pant: Glenville Presbyterian Church		
Address:	1172 WV Hwy 5 W Glenville, WV 26351	Letter/Notice Date:	
Comments:	Tax Map 9 Parcel 7.5		
	pant: Barbara Miller		
	3013 Grass Run Rd. Normantown, WV 2526	Letter/Notice Date:	
Comments:	Tax Map 9 Parcel 16		
Owner/Occup	ant: Town of Glenville		
Address:		Letter/Notice Date:	
Comments:	Tax Map Parcel 4.1		
Owner/Occup			
·	1310 Fairmont Ave. Fairmont, WV 26554	Letter/Notice Date:	
Comments:	Tax Map 1 Parcel 4.2		
Owner/Occup	Q		
	P.O. Box 150 Glenville, WV 26351	Letter/Notice Date:	
Comments:	Tax Map 1 Parcel 4		

Owner/Occu	pant: Glenville State College Board	l of Govenors
Address:	200 High St. Glenville, WV 26351	Letter/Notice Date:
Owner/Occu	pant:	
Address:	pant:	Letter/Notice Date:
Comments:		
Owner/Occu		
Address:		Letter/Notice Date:
Comments:		
Owner/Occur	nant:	
Address:	pant:	Latter/Nation Date:
Comments:		
Address:	pant:	Letter/Notice Date:
Comments:		
Owner/Occup	ant [*]	
Comments:		Letter/Notice Date:
Dwnor/Oosus	oat:	
Address:	ant:	Latter/Nation Det
		Letter/Notice Date:
Owner/Occup	ant:	
Address:		Letter/Notice Date:
Comments:	-	