

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: 47-2105769, 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: LYNCH NO. S-1

Farm Name: HEATER, HARRY & ERMA ET AL

API Well Number: 47-2105769

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.

05/09/2014

WW - 2B (Rev. 8/10)

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

) Well Operat	or: Energ	gy Corpor	ation of America	306345	Gilmer	Glenville	Glenville 7.5
				Operator ID	County	District	Quadrangle
) Operator's V	Vell Numi	oer: Lynch	S-1		3) Elevation:	765'	_
) Well Type: (a) Oil	or Ga	ıs <u>x</u>				
(b) If Gas:	Produ	ction × / Und	lerground Sto	orage	_	
		Deep	/ S	hallow ×			
) Proposed To) Approximate	otal Depth fresh wa	iter strata	Feet Fa depths: 71',89' None reported in offset	ormation at	Proposed Tal Proposed Total		
) Approximate	e coal sea	m depths	s: 241', 389'				
				None reserved	in affant wells		
0) Approxima	te void de	epths,(coa	al, Karst, other):	None reported	in offset wells		
1) Does land	contain co	oal seams	s tributary to acti	ve mine?	No.		
						ol oboots if so	المنافعات
2) Describe pro	pposed we	ll work an	d fracturing metho	ods in detail (a	attach additiona		The state of the s
2) Describe pro	posed we Vertical We	ell work an	nd fracturing methors: After setting and ce	ods in detail (a	attach additiona face casing string	using Type 1 a	nd or an approve
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CK 357419

WW-2A (Rev. 6-07)

1). Date: March 3, 2014

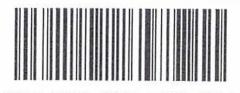
2.) Operator's Well Number Lynch S-1
State County Permit

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

4) Surface Ow (a) Name	ner(s) to be served	d:	5) (a) Coal Operato Name	or
Address	Harry Heater		Address	
Address	Gluck Run Road		_ Address	
/h) Nama	Glenville, WV 26351			-/-\itl. DI 1
(b) Name	TL Woodyard	1		r(s) with Declaration
Address	P.O. Box 1591	V	_ Name _	
	Fairmont, WV 26555		Address	
(c) Name			Name	
Address	1		Address	
6) Inconnetor	Research Control		- (2) 011	
6) Inspector	Bryan Harris			e with Declaration
Address	P.O. Box 157		_ Name	
F 8 W	Volga, WV 26238		_ Address	
Telephone	304-553-6087		-1.	I.
The second second	TO THE	PERSONS NA	MED ABOVE TAKE	NOTICE THAT:
OR Included is th	ie lease or leases or	other continuing	contract or contracts b	by which I hold the right to extract oil and gas
I have real issued under this I certify uthis application for obtaining the information I am awaimprisonment NOTARY PUB Shan	Personal Servi Certified Mail (Publication (No ad and understand C application. Inder penalty of law orm and all attachmer mation, I believe tha	ce (Affidavit attac Postmarked post otice of Publication Chapter 22-6 and that I have persents, and that ba at the information	ched) al receipt attached) in attached) if 35 CSR 4, and I agr onally examined and a sed on my inquiry of is true, accurate and of	formation, including the possibility of fine and
My Comm	mission Expires	And the second s		ON DUVI
	ary 30, 2023 poration of America	Its: Address	Vice President of Land 501 56th Street SE	
3116 WV	Highway 5 East	Address	Charleston, WV 25304	
Glenvil	le, WV 26351	Telephone	304-925-6100	
Subscribed and s	worn before me this	31 day of	MARCH	2014 RECEIVED
	7/7 .		aparation of the same of the s	Office of Oil and o
				_ Notary Public
My Commission E	xpires	January	36, 2023	APR OT 2014
Oil and Gas Privacy N	Notice	1		11 0 2 2014

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



7012 2920 0000 6497 3848



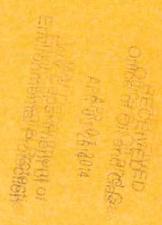


Energy Corporation of America

501 56th Street Charleston, West Virginia 25304

HARRY HEATER 257 GLUCK RUN RD GLENVILLE, WV 26351

FIRST CLASS MAIL



2254	(Domestic Mall O	MAIL RE	Coverage Provided)
r~	OFF	ICIAL	. USE
5443	Postage	\$ 7.03	
1	Certified Fee	3.30	
0000	Return Receipt Fee (Endorsement Required)	2.70	Postmark Here
1	Restricted Delivery Fee (Endorsement Required)		
2920	Total Postage & Fees	\$ 8.03	
7012	Street, Apt. No.; or PO Box No.	1 HHERIS	LYNGH SI M-1

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY		
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 X		
so that we can return the card to you. Attach this card to the back of the mailplece, or on the front if space permits.	B. Received by (Printed Name) C. Date of Deliver		
Article Addressed to:	D. Is delivery address different from item 1? ☐ Yes If YES, enter delivery address below: ☐ No		
HARRIS, BRYAN			
P.O. BOX 157 VOLGA, WV	3. Service Type Certified Mail		
	4. Restricted Delivery? (Extra Fee) ☐ Yes		
2. Article Number 7012 25	20 0000 6497 2254		

Office of Oil and Gas







Energy Corporation of America

501 56th Street Charleston, West Virginia 25304

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

FIRST CLASS MAIL

(Domestic Mail O	ition visit our website	at www.usps.com⊚
Postage Certified Fee Return Receipt Fee (Endorsement Required) Restricted Delivery Fee (Endorsement Required) Total Postage & Fees	\$ 161 3.30 2.70 \$ 7.61	Postmark Here
Sent To WO6D Yn (Street, Apt. No.; or PO Box No. City, State, ZIP+4	eb lynch	S-[m-1

	SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY		
	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 X		
M	so that we can return the card to you. Attach this card to the back of the mailpiece,	B. Received by (Printed Name) C. Date of Delivery		
APR N Der	or on the front if space permits. Article Addressed to:	D. Is delivery address different from Item 1? Yes If YES, enter delivery address below: No		
POI	WOODYARD TL & ML C/O THOMASENA ST PIERRE	A		
	PO BOX 1591 /	3. Service Type		
The Court of the Park	FAIRMONT, WV 26555	Certified Mail		
		4. Restricted Delivery? (Extra Fee)		
	2. Article Number (Transfer from service label) 7012 d	2920 0000 6497 4494		







Energy Corporation of America

501 56th Street Charleston, West Virginia 25304

TL & ML WOODYARD PO BOX 1591 FAIRMONT, WV 26555

FIRST CLASS MAIL

Wironmental Protection

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(Rev.	1	Į	1	1	1

Operator's Wi	II Number	Lynch S-1
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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 –

- 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
George R. Lynch	Equitacle Gas Co.	1/8	90/385
Farmout From Equitable Gas Co.	To EAE DHA ECA	1/8	281/375

Office of Oil and Gas

APR 2 5 2014

Acknowledgement of Possible Permitting/Approval In Addition to the Office of Oil and Gas WV Department of Environmental Protection

The per mit applicant for the proposed well work addressed in this application hereby 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
- 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 neclessary and further affirms that all needed permits/approvals should be ac quired 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

State of West Virginia County of Kanawha, to wit:

On this the 25th day of April, 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 Majori 11, 2020.

Notary Public, State of West Virginia

5119 Washington Avenue SE Charleston, WV 25304 My commission expires March 11, 2022

OFFICIAL SEAL

Medacrette Sectledge



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

RECEIVED
Office of Oil and Gas

APR 2 5 2014

En:



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

Secretary of State

W	N-	2	B 1
(5	-1	2))

Well No.	Lynch 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 Sampling Contractor		Reliance Labs
		Smith Land Surveying, Inc Environmental Division
Well Operator Energy Corpora		tion of America
Address	501 56th Street	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.

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NOTE: There appears to be 10 +/- potable water sources within 1,500', therefore tests will be offered and samples taken as required.

APR 01 2614

WV Department of Environmental Protection

RECEIVED Office of Oil and Gas

MAY 5 2014

WV Department of Environmental Protection

2105769



OPERATOR: Energy Corporation of America

LEASE NAME AND NUMBER: Lynch Lease Well No. S-1

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

COMMENTS

	INDIVIDUAL CONTACTED OR NOTIFIED
Site: /	Spacing 1564 Owner/Occupant: John Zsigray
Address:	737 Gluck Run Rd. Glenville, WV 26351 Ph: (304) 462-4225
Field Conta	ct Date: 3/27/14 Located: Yes Date Located: 3/27/14 Source: Water Well
If No, declined Comments:	by who Letter/Notice Date: 1st 2nd N/A Certified (3rd) N/A
	LAT: 38° 56′ 29.5″
	LONG: 80° 47' 52.6"
Site: 2	Spacing N/A Owner/Occupant: Laurel Dye 365 Gluck Run Rd, Glenville, WV 26351 Ph:
If No declined	by who Laurel Dye Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) N/A
Comments:	Tax Map 10 Parcel 60
Johnnerits.	Signed letter of refusal
	osgrea tetter of refusal
Site: 3	Spacing Owner/Occupant: Lulah Belle Moore C/O Lulah Moore King
Address:	688 Gluck Run Rd. Glenville, WV 26351 Ph: (304) 462-7562
Field Contac	t Date: N/A Located: No Date Located: N/A Source: Unknown
Jointao	by who Letter/Notice Date: 1st 3/27/14 2nd 4/1/14 Certified (3rd) 4/25/14
If No, declined	Letter/Notice Date. 1st 3/2/114 2nd 4/1/14 Certified (3rd) 4/23/14
If No, declined	Tax Map 10 Parcel 59 and Parcel 59.1
If No, declined	Tax Map 10 Parcel 59 and Parcel 59.1
If No, declined	Tax Map 10 Parcel 59 and Parcel 59.1
If No, declined	Tax Map 10 Parcel 59 and Parcel 59.1
If No, declined Comments:	Tax Map 10 Parcel 59 and Parcel 59.1 Spacing 852 Owner/Occupant: Robert E Jones
If No, declined Comments: Site: 4 Address:	Tax Map 10 Parcel 59 and Parcel 59.1 Spacing
Site: 4 Address: Field Contac	Tax Map 10 Parcel 59 and Parcel 59.1 Spacing 852 Owner/Occupant: Robert E Jones 573 Gluck Run Rd. Glenville, WV 26351 Ph: (304) 462-5195 t Date: 3/27/14 Located: Yes Date Located: 3/27/14 Source: Water Well 05/0
Site: 4 Address: Field Contact If No, declined	Tax Map 10 Parcel 59 and Parcel 59.1 Spacing 852 Owner/Occupant: Robert E Jones 573 Gluck Run Rd. Glenville, WV 26351 Ph: (304) 462-5195 t Date: 3/27/14 Located: Yes Date Located: 3/27/14 Source: Water Well 05/0
Site: 4 Address: Field Contact If No, declined	Spacing 852 Owner/Occupant: Robert E Jones

RECEIVED Office of Oil and Gas

MAY 5 2014

WV Department of Environmental Protection

2105769

Address:	
	90 Greenlief Estate Ln. Glenville, WV 26351 Ph:
Field Contac	Bato Eddated
If No, declined	by who Elizabeth Greenlief Letter/Notice Date: 1st 3/27/14 2nd N/A Certified (3rd) N/A
Comments:	Tax Map 16 Parcel 7
	Letter of refusal signed.
Site: 6	Spacing N/A Owner/Occupant: Debbie Yeager
Address:	
	A CONTRACTOR OF THE PROPERTY O
If No declined	et Date: 3/27/14 Located: No Date Located: N/A Source: Unknown
Comments:	by who Debbie Yeager Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) N/A
Comments.	Property is not located on Tax Map
	Letter of refusal signed
Site: 7	Spacing N/A Owner/Occupant: Jessie Couch
Address	90 Greenlief Estate Ln. Glenville, WV 26351 Ph:
ield Contac	
i No, declined	by who Jessie Couch Letter/Notice Date: 1st 3/27/14 2nd N/A Certified (3rd) N/A
Comments:	and the state of t
	Letter of refusal signed
Site 0	Spacing WA Owner/Occupant
Address:	Spacing N/A Owner/Occupant: Harry Heater 257 Gluck Run Rd. Glenville, WV 26351 Ph: (304) 462-5235
Address: Field Contac	257 Gluck Run Rd. Glenville, WV 26351 Ph: (304) 462-5235 t Date: 3/27/14 Located: No Date Located: N/A Source: Unknown
Address: Field Contact If No, declined	257 Gluck Run Rd. Glenville, WV 26351 Ph: (304) 462-5235 t Date: 3/27/14 Located: No Date Located: N/A Source: Unknown by who Harry Heater Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd)
Address: Field Contact f No, declined	257 Gluck Run Rd. Glenville, WV 26351 Ph: (304) 462-5235 t Date: 3/27/14 Located: No Date Located: N/A Source: Unknown by who Harry Heater Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) Tax Map 16 Parcel 6.1 and Parcel 8 also Tax Map 10 Parcel 58
Address: Field Contact If No, declined	257 Gluck Run Rd. Glenville, WV 26351 Ph: (304) 462-5235 t Date: 3/27/14 Located: No Date Located: N/A Source: Unknown by who Harry Heater Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd)
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Address: Field Contact f No. declined Comments: Site: 9 Address: Field Contact	257 Gluck Run Rd. Glenville, WV 26351 t Date: 3/27/14 Located: No Date Located: N/A Source: Unknown by who Harry Heater Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) Tax Map 16 Parcel 6.1 and Parcel 8 also Tax Map 10 Parcel 58 Letter of refusal signed. Spacing Owner/Occupant: Richard Murphy 3569 Deer Trace Ave. NW Canton, OH 44708 Ph: (330) 833-1518 t Date: N/A Located: Date Located: N/A Source: Unknown
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Address: Field Contact f No. declined Comments: Site: 9 Address: Field Contact f No. declined to Comments: Site: 10 Address: Field Contact Comments:	t Date: 3/27/14 Located: No Date Located: N/A Source: Unknown by who Harry Heater Letter/Notice Date: 1st N/A 2nd N/A Certified (3rd) Tax Map 16 Parcel 6.1 and Parcel 8 also Tax Map 10 Parcel 58 Letter of refusal signed. Spacing Owner/Occupant: Richard Murphy 3569 Deer Trace Ave. NW Canton, OH 44708 Ph: (330) 833-1518 t Date: N/A Located: Date Located: N/A Source: Unknown by who Letter/Notice Date: 1st 3/27/14 2nd N/A Certified (3rd) 4/24/14 Tax Map 16 Parcel 6 and Parcel 10.4 Certified sent 4/24/14 Spacing Owner/Occupant: Maggie Stump 131 Collins Run Rd. Glenville, WV 26351 Ph: (304) 462-8622 Date: N/A Located: No Date Located: N/A Source: Unknown O5/1
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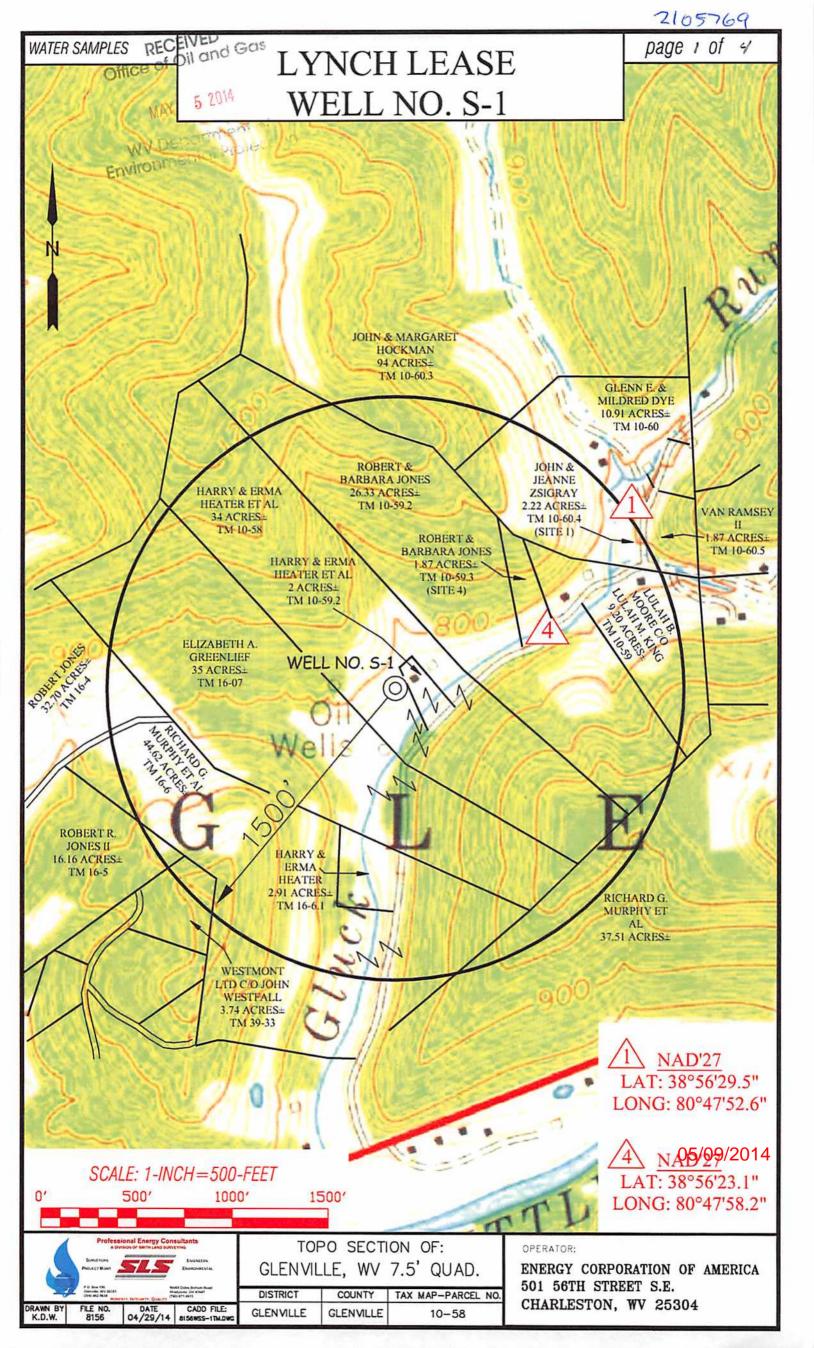
RECEIVED Office of Oil and Gas

MAY 5 2014

WV Department of Environmental Protection

2105769

Addiess.	5152 Rock L	Loage K	d. Accident, MD 215	20		P	h:	(301) 24.	5-4034	
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			Letter/Notice Da							
Comments:	Tax Map 1	0 Parce	1 60.3						(0,0)_	
			Owner/Occu							
Address:	P.O. Box 1.	Sand Fe	ork, WV 26430			P	h:			
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	_		Owner/Occu							
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WW-9 (5/13)

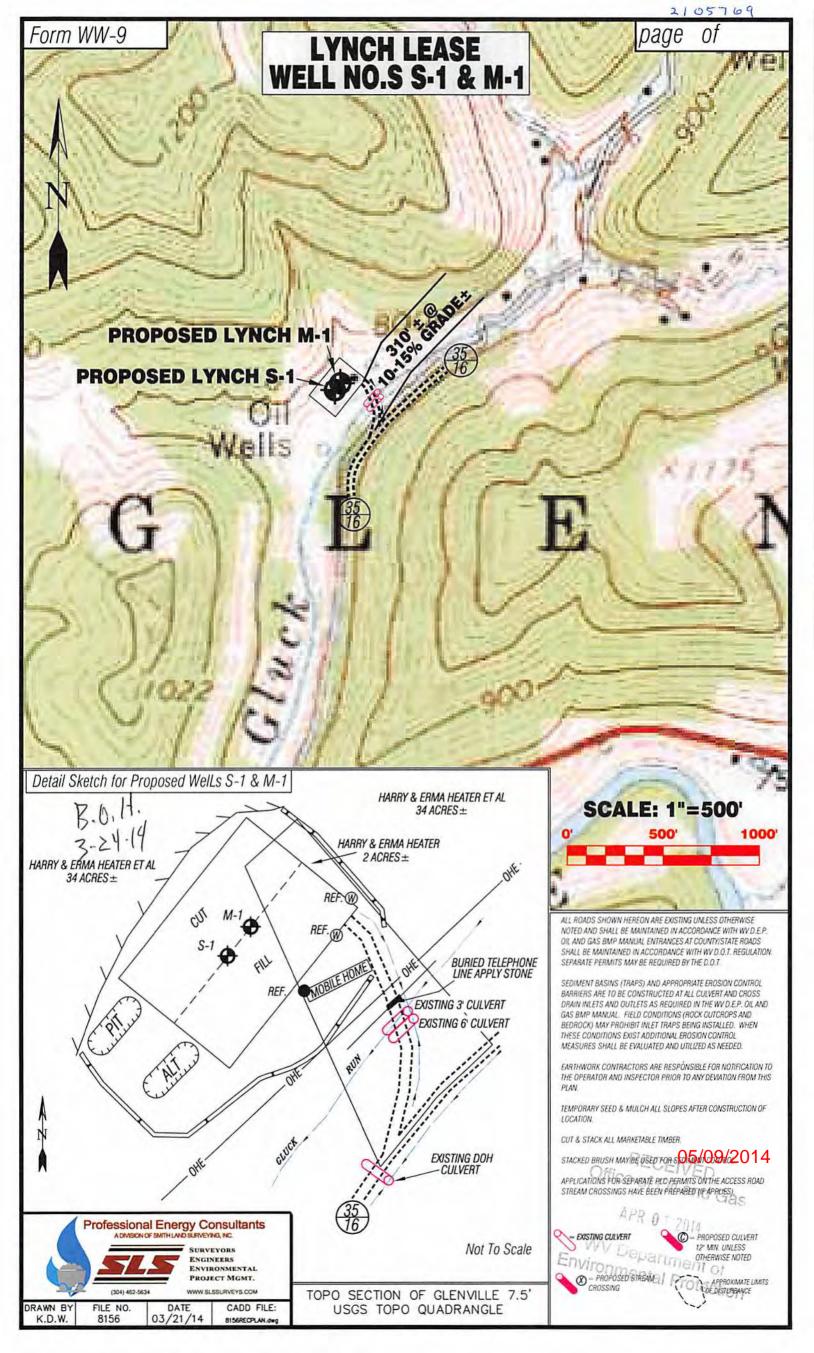
	Page of	
API Number 47 -		
Operator's	Well No. Lynch S-1	

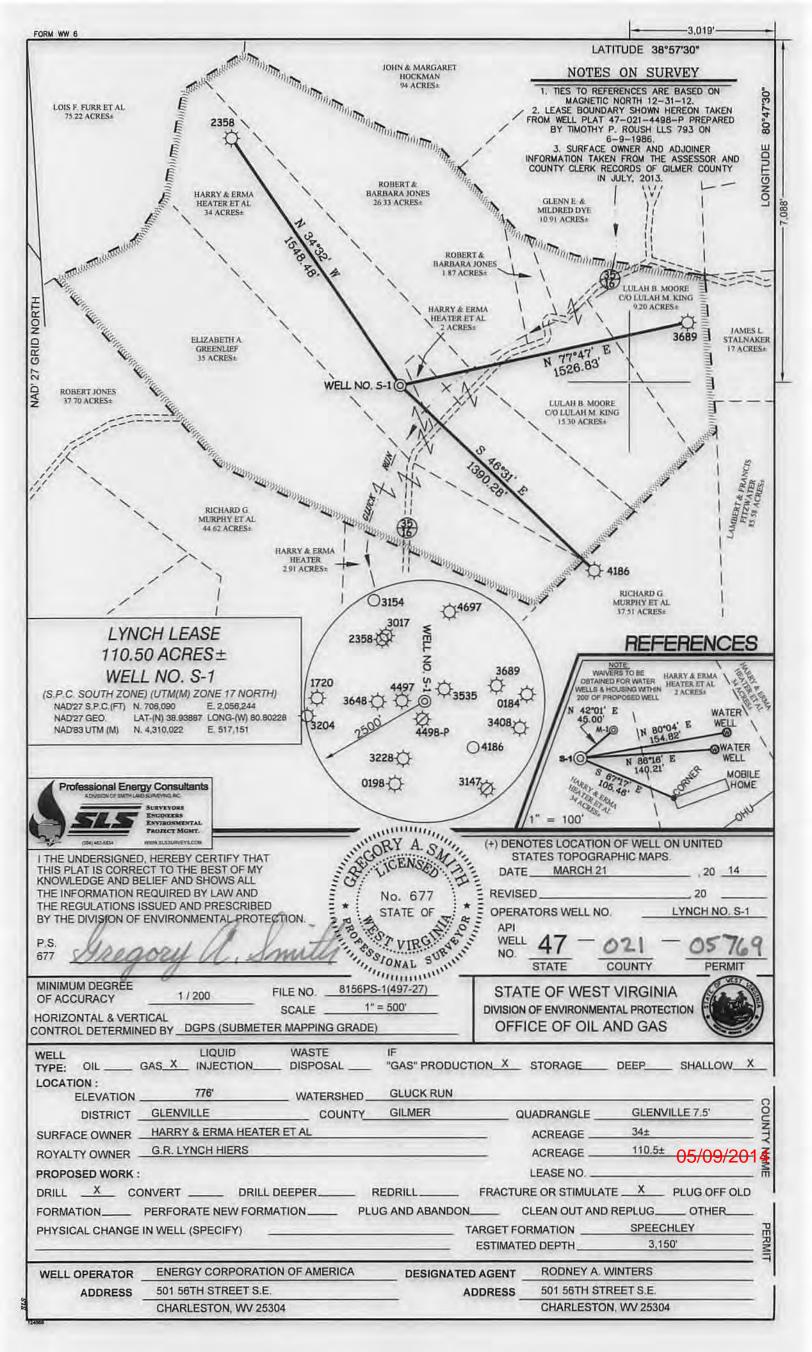
STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

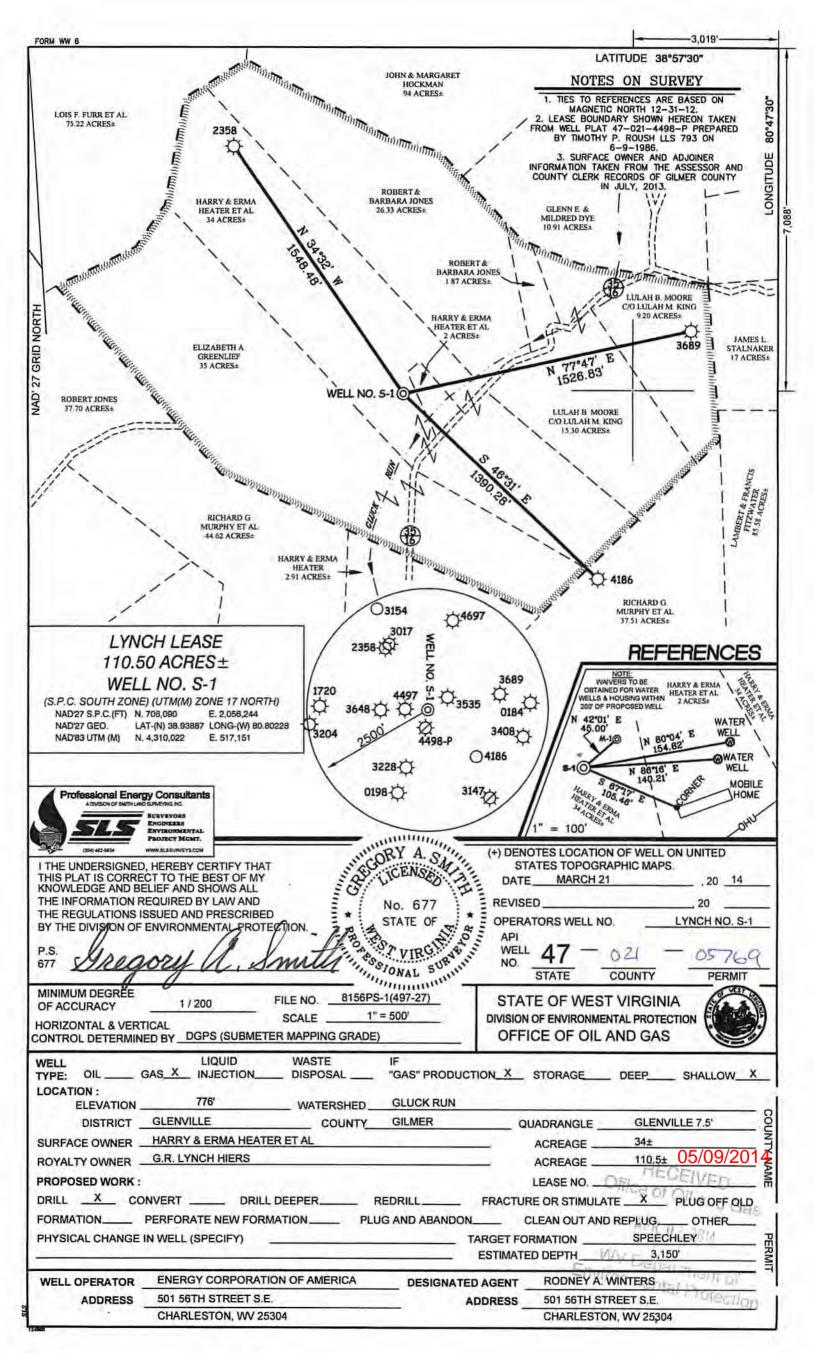
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name_ Energy Corporation of Ameri	ica		OP Code	306345	
Watershed (HUC 10) Little Kanawha Rive		Quadrangle			
Elevation 765'	County_Gimer		District	Glenville	
Do you anticipate using more than 5,000 b	bls of water to comp	lete the proposed v	vell work?	Yes No_×	
Will a pit be used for drill cuttings? Yes	s x No	_			
If so, please describe anticipated	pit waste: Drill Cutti	ngs			
Will a synthetic liner be used in t	he pit? Yes x	. No If	so, what ml.	9 30	
Proposed Disposal Method For T	reated Pit Wastes:				
Land Application	on				
		t Number			
Reuse (at API Off Site Dispos		V-9 for disposal los	eation)		
Will closed loop system be used? no					
Drilling medium anticipated for this well?	Air, freshwater, oil	based, etc. Air / Fres	hwater		
-If oil based, what type? Synthet		The second second second			
Additives to be used in drilling medium?_					
Drill cuttings disposal method? Leave in p					
-If left in pit and plan to solidify					
-Landfill or offsite name/permit r	number?				
on August 1, 2005, by the Office of Oil an provisions of the permit are enforceable blaw or regulation can lead to enforcement	d Gas of the West Vi by law. Violations of action. nat I have personally ereto and that, based the information is t	rginia Department f any term or cond examined and ard on my inquiry rue, accurate, and	of Environm ition of the g n familiar w of those ind complete.	general permit and/or other applicable ith the information submitted on this ividuals immediately responsible for	
Company Official (Typed Name) Rodney	A. Winters			HECEIVE-	
Company Official Title Vice President of I				- Office of Oil and Gas	
				das das	
61 11 1 16 45 2		MARCH		2014	
Subscribed and sworn before me this 3	lay of	HACH		NOTARY PUBLIC OFFICIAL	SEAL
			Nota	ry Pable A. Lucas State of West Virgini	a
My commission expires January	30, 2023			My Commission Expire (15/09/39/124) Energy Corporation of Am 3116 WV Highway 5 Ea Glenville, WV 26351	erica est

Property Boundary Road = = = = = = = = = = = = = = = = = = =	= = = = = = = = = = = = = = = = = = =	Spring Wet Spot Drain Pipe with size in inches Waterway	
Existing Fence — X — Planned Fence — / Stream Open Ditch Rock	× - × -	Wet Spot Drain Pipe with size in inches Waterway	
Planned Fence/ Stream Open Ditch Rock ####################################	7 / -	Drain Pipe with size in inches Waterway	
Open Ditch Rock	, A	Waterway \longleftrightarrow	
Open Ditch Rock			_
Rock # # # P	···:		-
North N	•		
	r	Artificial Filter Strip	XXXXXXXXX
Hullangs IIII		Pit: cut walls	WHE.
Water wells		Pit: compacted fill walls	Frances
Drill site		Area for Land Application of P	i West
Office Control		<u> </u>	
Proposed Revegetation Treatment	: Acres Disturbed1	• 2 ± Prevegetation pH	I
Lime 3	Tons/acre or to correct to	pH6.5	
		lbs/acre (500 lbs minimum)	
	_		
Mulch HAY	2To	ons/acre	
•		Seed Mixtures	
Area I		Are	a II
Seed Type	lbs/acre	Seed Type	lbs/acre
KY-31	40	ORCHARD GRASS	15
ALSIKE CLOVER	5	ALSIKE CLOVER	5
ANNUAL RYE	15		









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
George R. Lynch	Equitable Gas Co.	1/8	90/385
Farmout From Equitable Gas Co.	To EAE DBA ECA	1/8	Not Recorded

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
- 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 ac quired 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

A 2 0 1 7014

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 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 OFFICIAL SEAL
Shane A. Lucas
State of West Virginia
My Commission Expires
January 30, 2023
Energy Corporation of America
3116 WV Highway 5 East
Glenville, WV 26351

Notary Public

05/09/2014

7-29-09

API#	
Operator:	ECA
Well #/Name:	LYNCH S-1
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

RECEIVED
Office of Oil and Gas

APR 01 2014

WV Department of Environmental Protection



P.O. BOX 150, GLENVILLE, WV 26351

(304) 462-5634 • FAX 462-5656

OPERATOR:	Energy Corporation	of America	
LEASE NAME	AND NUMBER: _	Lynch Lease Well No. S-I	

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.

case note that the following information is subject to change upon field inspection.

	INDIVIDUAL CONTACTI	ED OR NOTIFIED
Owner/Occu	pant: Westmont LTD. C/O John Westfall	
Address:	P.O. Box 700 Glenville, WV 26351	Letter/Notice Date:
	Tax Map 39 Parcel 33	
	pant: Robert Jones	
Address:	P.O. Box 1 Sand Fork, WV 26430	_Letter/Notice Date:
Comments:	Tax Map 16 Parcel 4	
Owner/Occu	pant: Robert Jones II	
Address:	77 Westmont Woods Glenville, WV 26351	_ Letter/Notice Date:
Comments:	Tax Map 16 Parcel 5	
	pant: Richard Murphy	
-		_Letter/Notice Date:
Comments:	Tax Map 16 Parcel 6	
Owner/Occu	pant: Harry & Erma Heater	
Address:	257 Gluck Run Rd. Glenville, WV 26351	_Letter/Notice Date:
Comments:	Tax Map 16 Parcel 6.1	
		OF PERSON
		Office of Other
8156.ECA.Lynch	S-1.Potential.Pg1	Offica of Oil and Gas APR 0 1 2014
	1	Wy Department of 2014 Environmental Prof. (2014)

Owner/Occu	ıpant:	Elizabeth Greenlief		
Address:	P.O. Bo.	x 343 Glenville, WV 26351	Letter/Notice Date:_	
Comments:		n 16 Parcel 7		
Owner/Occu	ıpant:	Harry & Erma Heater		
Address:		ck Run Rd. Glenville, WV 26351	Letter/Notice Date:	
Comments:				-
		.		
Owner/Occi	pant:	Richard & David Murphy		
Address:	3569 De	er Trace Ave. NW Canton, OH 44708	Letter/Notice Date:_	
Comments:	Tax Maj	p 16 Parcel 10.4		
		Harry & Erma Heater		
Address:	257 Glu	ck Run Rd. Glenville, WV 26351	_ Letter/Notice Date:_	
Comments:	Tax Maj	p 10 Parcel 58		
		Lulah Belle Moore C/O Lulah Moore		
Address:		ck Run Rd. Glenville, WV 26351	_ Letter/Notice Date:_	
Comments:	Tax Maj	p 10 Parcel 59		
Owner/Occui	pant:	Lulah Belle Moore C/O Lulah Moore	King	
Address:		k Run Rd. Glenville, WV 26351		
 Comments:		10 Parcel 59.1		
Owner/Occu	pant:	Robert & Barburu Jones		
Address:		k Run Rd. Glenville, WV 26351	Letter/Notice Date:	
 Comments:		10 Parcel 59.2		
Owner/Occu	pant:	Robert & Barbara Jones		
Address:		rk Run Rd. Glenville, WV 26351	_ Letter/Notice Date: _	
 Comments:	Tax Man	10 Parcel 59.3		
				Office of Oil and G
			-	Oil and C
				APR 0 I 2014
ec ecch Lhe) Danamial D			11 01 2014

Wy Department Environmental postolection

Owner/Occupant: Glenn & Mildred Dye			
Address:	385 Gluck Run Rd. Glenville, WV 26351	Letter/Notice Date:	
Comments:	m 14 10 h 140		
	· · · · · · · · · · · · · · · · · · ·		
	pant: Maggie Stump		
	Tay Man 10 Payad 60 2	Letter/Notice Date:	
Comments.	Tax Map 10 Parcel 60.2		
Owner/Occu	pant: John & Margaret Hockman		
Address:		Letter/Notice Date:	
Comments:			
Owner/Occur	pant:		
Address:	pant:	Letter/Notice Date:	
Comments:			
Owner/Occu			
		Letter/Notice Date:	
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Address:		Letter/Notice Date:	
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Address:		Letter/Notice Date:	
Comments:			
Owner/Occup	pant:		<u> </u>
Address:		Letter/Notice Date:	
Comments:			_

WATER SAMPLES of page LYNCH LEASE WELL NO. S-1 5643 75.22 Ac. ISAc. 26.33 Ac. (8) 34 Total Ac. WELL NO. S. Y. P/0-11-4 (59) P/o 16-07 10 11 16 17_{P/o} 9.2 Ac. 16-04 (59.1) TAX MA TAX MAR 08) P/o 10-59.1 P/o 10-58 35 Total Ac. P/o 17-0 (6.1 05 2.91 Ac. 6.16 Ac. 06 (0.4) 4. 62 Ac. 39.35 Ac. SCALE: 1-INCH=\$00-FEET 500 1000 (6.2) (10) Professional Energy Consultants TOPO SECTION OF: OPERATOR: ENERGY CORPORATION OF AMERICA GLENVILLE, WV 7.5' QUAD. 501 56TH STREET S.E. COUNTY TAX MAP-PARCEL NO. CHARLESTON, WV 25304)14 CADD FILE: 8156WSS-1.DWG DATE 03/19/14 GLENVILLE GLENVILLE 10-58

Environmental Protection