

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

June 08, 2015

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-10303091, issued to AMERICAN ENERGY-MARCELLUS, LLC, 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

Operator's Well No: REILLY S GRN

Farm Name: J.S. BOOTH ESTATE & DALLISON

API Well Number: 47-10303091

Permit Type: Horizontal 6AWell

Date Issued: 06/08/2015

Promoting a healthy environment.

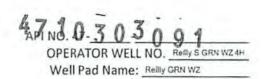
API Num	ber:	103-03091	

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) 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.

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- 1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
- 2. 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 § 22-6A-5a (12), 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.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
- 5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
- 6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
- 7. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 8. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
- 9. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.



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

1) Well Opera	tor: America	n Energy	Marcellu	4945100500	Wetzel	Green	Center Point
				Operator ID	County	District	Quadrangle
2) Operator's	Well Number:	Reilly S (SRN WZ 4	H Well Pa	d Name: Rei	ly GRN WZ	2
3) Farm Name	e/Surface Own	er: David	Fluharty	Public Ro	ad Access: Le	eft-hand For	rk Road (CR 13/8)
4) Elevation, c	current ground	1500'	Ele	evation, proposed	post-construc	tion: 1472.	.5'
5) Well Type	(a) Gas	<	Oil X	Und	erground Stor	age	
	Other						
	- 345 - 14- 14-	Shallow	X	Deep			
		Horizontal	X				
	d: Yes or No						
				pated Thickness a lickness 50', Asso			
8) Proposed To	otal Vertical D	epth: 746	0'				
9) Formation a	t Total Vertica	al Depth:	Marcellus	4			
10) Proposed 7	Γotal Measure	d Depth:	16000'				
11) Proposed I	Horizontal Leg	Length:	7553'				
(2) Approxima	ate Fresh Wate	r Strata De	pths:	690'			
13) Method to	Determine Fre	sh Water I	Depths: B	ased on drilling	history in nea	rby wells	
(4) Approxima	ate Saltwater D	epths: 15	26'				
5) Approxima	ate Coal Seam	Depths: 1	260'				4
6) Approxima	ate Depth to Po	ossible Voi	d (coal min	ne, karst, other):	None anticipa	ated	
	osed well locating or adjacent			Yes	No.	x <u>X</u>	
(a) If Yes, pro	ovide Mine Inf	o: Name:			DECENE		SILI
		Depth			Office of Oil and) \
		Seam:			MAY 18 2	216	
		Owner	:		20 11		
				E	WV Department	of ection	

API \$67471 0 3 0 3 0 9 1

OPERATOR WELL NO. Reilly S GRN WZ 4H
Well Pad Name: Reilly GRN WZ

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	J-55	94#	100'	100'	330, CTS
Fresh Water	13-3/8"	New	J-55	54.5#	1350'	1350'	625, CTS
Coal							
Intermediate	9-5/8"	New	J-55	40#	3500'	3500'	1650, CTS
Production	5-1/2"	New	P-110	20#	16000'	16000'	4375
Tubing	2-3/8"	New	N-80	4.7#	N/A	7460'	N/A
Liners							

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Max. Associated Surface Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	24"	.438	2110	50	Class A	1.2
Fresh Water	13-3/8"	17-1/2"	.38	2740	600	Class A	1.2
Coal						100000000000000000000000000000000000000	
Intermediate	9-5/8"	12-1/4"	.395	3950	1500	Premium N 50-50 Poz H	Tail 1.27, Lead 1.51
Production	5-1/2"	8-3/4"	.361	12640	5000	Premium H/ 50-50 Pice H	Tail 1.27, Lead 1.51
Tubing	2-3/8"	4.778"	.19	11100			
Liners				7.77.0			

PACKERS

Kind:	
Sizes:	
Depths Set:	

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WV Department of Environmental Protection Page 2 of 3

06/12/2015

WW-6B (10/14) 4710303091

OPERATOR WELL NO. Reilly S GRN WZ 4H

Well Pad Name: Relly GRN WZ

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

The well will be spud using a conductor rig. It will drill down 100' per the casing program. It will set 20" casing and circulate cement back to surface. The conductor rig will move off location, a rig capable of drilling to TD will move on and finish drilling the well. We will drill on air with a tri-cone bit to 1250' and set freshwater casing. We will then continue drilling vertically and setting casing per the attached casing program to TD.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

We plan to hydraulically fracture/stimulate the well utilizing the "slickwater" frac technique. We will plug and perforate through cased hole and frac with an anticipated max pressure that will not exceed 10,000 psi.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 19.02
- 22) Area to be disturbed for well pad only, less access road (acres): 3.32

23) Describe centralizer placement for each casing string:

Conductor: N/A

Surface: Centralizer every 3 joints or 120' Intermediate: Centralizer every 3 joints or 120'

Production: Run 1 spiral centralizer every 120' from the first 5.5" long joint to the top of the curve

Run 1 spiral centralizer every 200' from the top of the curve to surface

24) Describe all cement additives associated with each cement type:

Conductor: Class A Cement (see attachment for complete description)
Surface: Class A Cement (see attachment for complete description)

Intermediate: Premium H/50-50 Poz H Cement (see attachment for complete description) Productions: Premium H/50-50 Poz H Cement (see attachment for complete description)

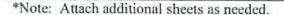
25) Proposed borehole conditioning procedures:

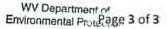
The wellbore will be properly circulated at TD of each section until as much of the residual drill cuttings have been removed from the wellbore as possible, residual drilling gas has been circulated out and until the mud and wellbore are both constant and stable. Mud properties will be adjusted as needed to stabilize wellbore. Circulating hole clean may vary from well to well and hole section to hole section.

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Cement Additives for WW-6B

20" conductor: 15.6 ppg Class A + 3% CC + 0.25 lb/sk celloflake

13-3/8" Surface: 15.6 ppg Class A + 3% CC + 0.25 lb/sk celloflake

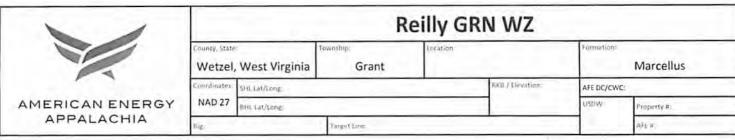
9-5/8" Intermediate: 15.3 ppg Class H + 5%KCL + 0.6% C-12 + 0.4% C-41P + 0.1% C-51 + 0.125 lb/sk celloflake

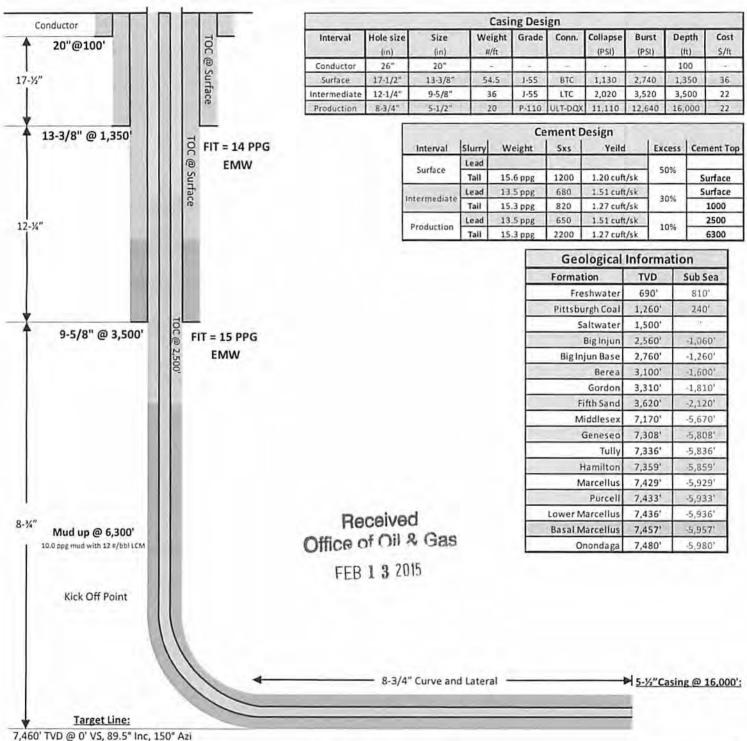
5-1/2" Production: Lead - 50/50 poz H 14.2 ppg + 0.5 %FL 17 +5% Gyp + 0.1%C41P + 0.15% C51 + 0.1% C20 Tail - Class H 15.6 ppg Acid Soluble --- 50% CaCO3 + 0.75% Fl 17 + 0.1% C41P + 0.15%C45 +3pps gilsonite + 0.2% C20

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WV Department of Environmental Protection





					Drilli	ng Fluids Infor	mation							
	AIRINT	ERVALS					SY	NTHETIC O	IL BASED MU	DINTERVAL				
Interval	Depth (MD)	Rate (cfpm)	Water (bbl/hr)	Foamer (gal/hr)	Interval	Depth (MD)	Weight (#/gal)	Viscosity (sec/qt)	HTHP (ml/30min)	PV (cps)	YP (#/100 ft ²)	6 RPM	WPS ppm	OWR % by val
Surface	0'-1,350'	>5000	30-50	1/2 -3/4	Vertical	6,300'-6,800'	10.0 - 10.5	50-60	4-6	18-24	10-12	6-9		20.00
Intermediate	1,350'-3,510'	>5000	30-50	1/2-3/4	Curve	6,800'-8,100'	10.5 - 13.5	50-60	4-6	18-24	10-12	606	150K	75:25
Vert/Nudge	3,510'-6,300'	>5000	40-60	3/4-1	Lateral	8,100'-16,000'	13.5 - 13.7	50-60	4-6	18-24	10-12	6-9	/ F22/ Z	4045

WW-9 (9/13)

API Number 47 -	-
Operator's Well No.	Reilly S GRN WZ 4H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name American Energy - M	arcellus, LLC	OP Code	5100500
Watershed (HUC 10) Fishing Cree	ak .	Quadrangle Center Point	
Elevation 1500	County_Wetzel	District Gre	en
Do you anticipate using more than Will a pit be used? Yes	No ✓		✓ No □
If so, please describe antic	- pateu pri musici	op system no pits will be used	
Will a synthetic liner be us		No _ If so, what ml.?	
Proposed Disposal Method			
Undergr	oplication round Injection (UIC Permit I at API Number next anticipated w		C Wells and Landfills
	Disposal (Supply form WW-		
Will closed loop system be used? I	If so, describe:yes; see attache	d sheet titled Closed loop typical de	escription
Drilling medium anticipated for thi	s well (vertical and horizontal)? Air, freshwater, oil based, etc.	Air, Freswater mist, and Synthetic based oil
-If oil based, what type? S	Synthetic, petroleum, etc.Synthe	etic oil based drilling mud	
Additives to be used in drilling med	dium? see attached sheet titled dri	lling additives	
Drill cuttings disposal method? Le	ave in pit, landfill, removed of	ffsite, etc. Landfill	
-If left in pit and plan to so	olidify what medium will be us	sed? (cement, lime, sawdust)	
-Landfill or offsite name/p	permit number?see attached shee	et titled UIC Wells and Landfills	
on August 1, 2005, by the Office of provisions of the permit are enforced law or regulation can lead to enforce I certify under penalty of application form and all attachmentationing the information, I believe penalties for submitting false information of the company Official Signature Company Official (Typed Name)	f Oil and Gas of the West Virg geable by law. Violations of a gement action. If law that I have personally e- ents thereto and that, based we that the information is tru- mation, including the possibility American Energy - Marcellus,	examined and am familiar with the on my inquiry of those individuals, accurate, and complete. I among the or imprisonment.	I Protection. I understand that ral permit and/or other applic the information submitted on talls immediately responsible
Company Official Title_Regulatory	/ Technician		
Subscribed and sworn before me th	is ⁴ day of Febr	uary , 20 ¹⁵	5 annumana
		,	J. S. O. T. O. S.
C 1 1/1		NI-4 B	# 14000742 E
My commission expires 01/23/2018		Notary Pt	#14000742 EXP. 01/23/18

Form WW-9

Operator's Well No.____

oposed Revegetation Trea	tment: Acres Disturbed	19.02	Prevegetation pl	н
Lime 3	Tons/acre or to cor	тесt to pH <u>6.0</u>		
	20-20			
Fertilizer amount	500	lbs/acre		
_{Mulch} minimu	m of 2-3	Tons/acre		
		Seed Mixtures	.	
T	emporary		Perma	nent
Seed Type	lbs/acre		Seed Type	lbs/acre
See attached		See	attached	
ttach: rawing(s) of road, location ovided)	n, pit and proposed area fo	or land application (u	inless engineered plans inc	cluding this info have be
rawing(s) of road, location ovided) notocopied section of invo	lved 7.5' topographic she	et.		
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UIC WELLS and Landfills

Disposal Location	Type	Permit No.
Wetzel County Landfill –	Landfill	SWF-1021/WV010985
Short Creek Landfill –	Landfill	SWP-1034/WV0109517
Brooke County –	Landfill	SWF-1013/WV0109029
Kemble -	UIC Well	34-119-2-8780-00-00
Elkhead-	UIC Well	34-157-2-5511-00-00
Kent Injection Well	UIC Well	34-119-2-7350-00-00
Moran Well	UIC Well	34-089-2-4412-00-00

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FEB 1 3 2015

Closed Loop Typical Description

A series of storage tanks that separate liquids and solids along with screen shakers, hydro cyclones, centrifuges and collection equipment (e.g., vacuum trucks, shale barges) may be on site. The wastes created are minimizes and transfer red off-site for disposal.

Received
Office of Oil & Gas

Drilling Additives

Air mist system additives are commonly; Drilling Foam, Drilling Soap, and occasionally Shale Stabilizer (KCI).

Synthetic Oii Based Additives

The base oil is the main ingredient, and it will run approx. 70% of the fluid volume, water will make up about 25%, the remaining 5% by volume will include a mixture of the following:

ANCO Gel Anco Mul OW

Cottonseed Hulls Anco Mul P

D294 Anco Mul S

Anco Bar Anco Mul Thin

Petrogei 100 Anco Thunder Plug

Claytone Calcium Carbonate M

Lime Cedar Fiber

Calcium Chloride LCF Blend

Anco Trol Mica Fine

Base Oil (Kensol 48H) Walnut Shell Med

Anco Mul Mod Anco Drill A

Temporary and Permanent Seed Mix

250 lbs. /acre

Mix Details

Medium red clover	4%
Alsike clover	4%
Birds foot trefoil	5%
Forage tall fescue	45%
Forage perineal rye	20%
Annual rye	11%
Winter wheat	10%

Straw

Winter – 3 ton per acre

Summer - 2 ton per acre

Received Office of Oil & Gas



January 26, 2015

West Virginia Department of Environmental Protect Office of Oil and Gas Attn: Laura Cooper or whomever concerned 601 57th Street Charleston, West Virginia 25304

Re: Site Safety Plan for a Permit to Drill Reilly S GRN WZ 4H

Dear Ms. Cooper,

American Energy - Marcellus, LLC respectfully submits the site safety plan on the enclosed CD. Also included on the CD is a file that contains all of our safety data sheets for both drilling and fracing.

If you need any additional information, please feel free to contact me.

Best Regards,

Ariel Bravo

Regulatory Technician ariel.bravo@aep-lp.com Cell 405-403-4803 Office 405-607-5529

> Received Office of Oil & Gas

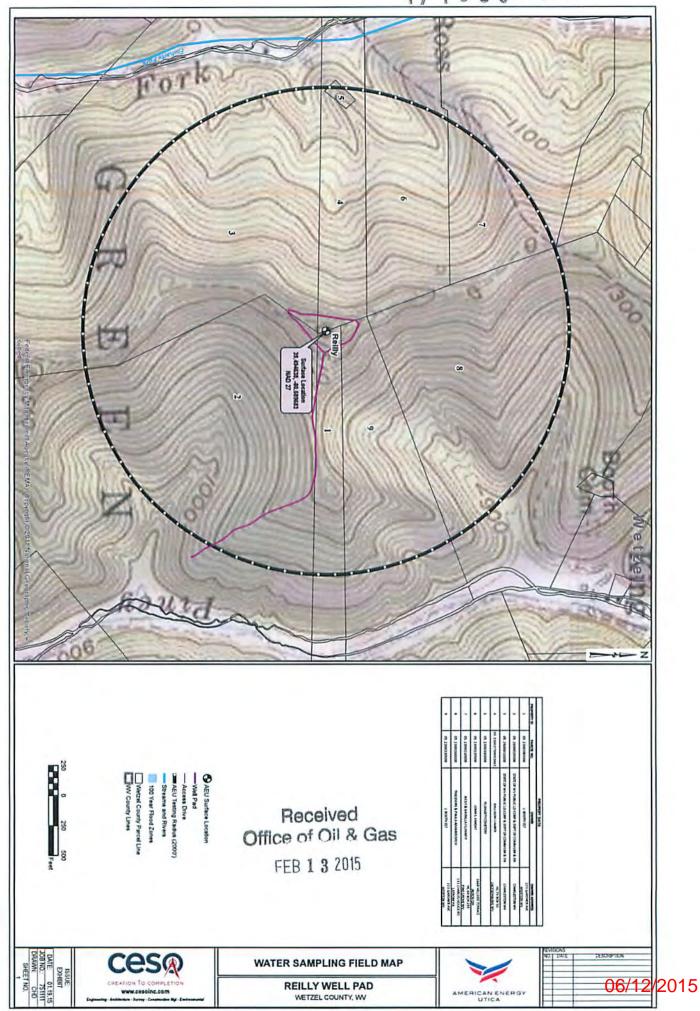
Reilly N GRN WZ 1H, 3H, 5H & 7H

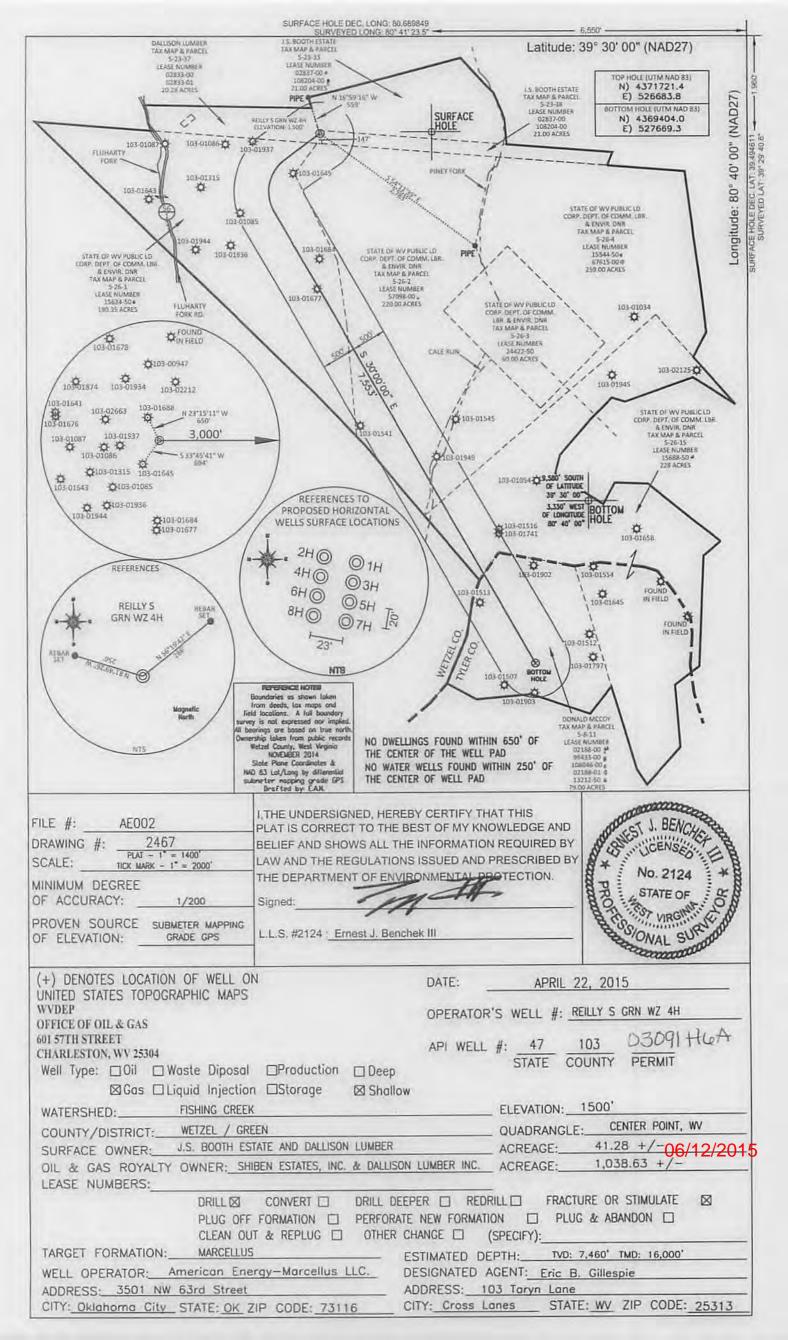
Reilly S GRN WZ 2H, 4H, 6H & 8H Site Safety Plan

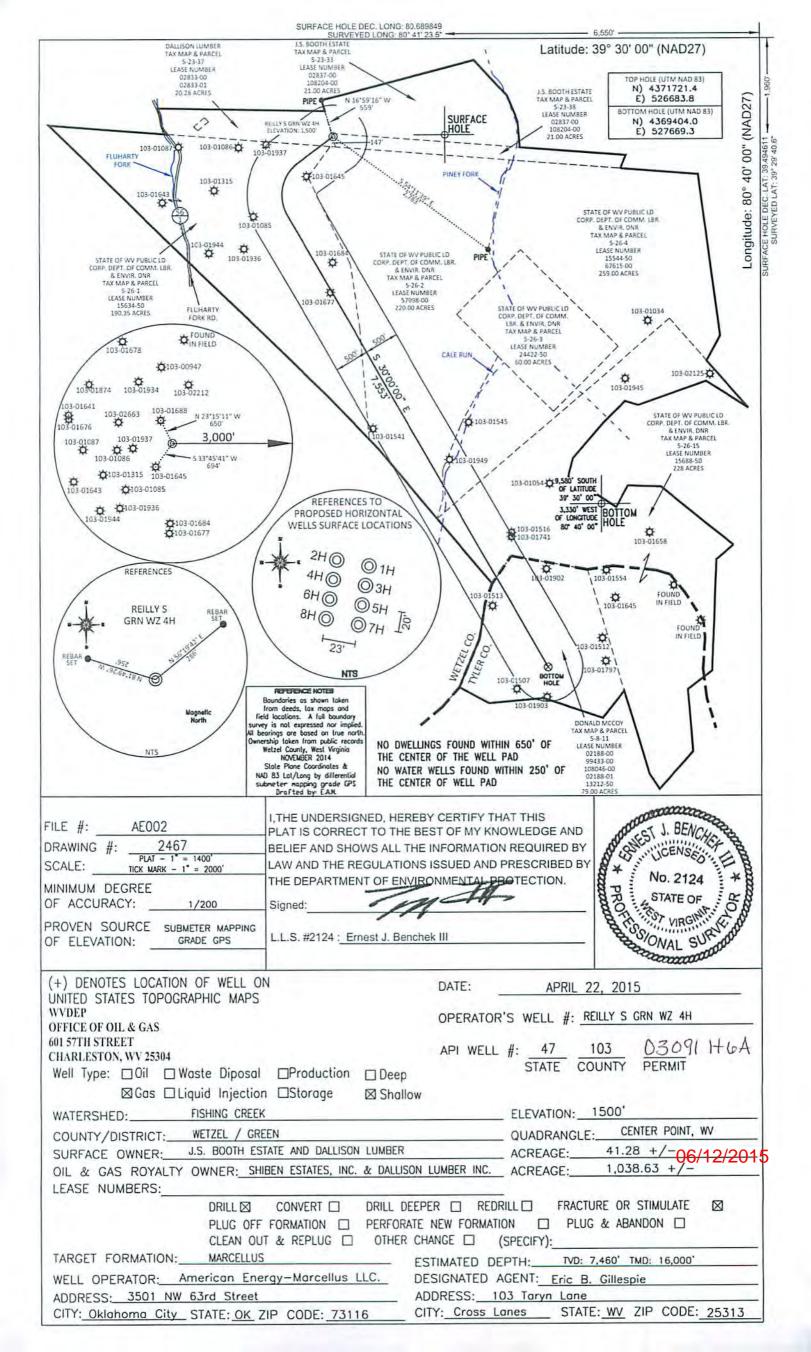












WW-6A1 (5/13) Operator's Well No. Reilly S GRN WZ 4H

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) 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:

Lease Name or				
Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page

Please see attached.

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

Office of Oil & Gas

FEB 1 3 2015

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:	American Energy - Marcellus
By:	Mul 25
Its:	Regulatory Technician

Page 1 of

INFORMATION SUPPLED UNDER WEST VIRGINIA CODE

Chapter 22, Article 6A, Section 5(a)(5)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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- (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:

American Energy - Marcellus, LLC. is the successor in Interest to East Resources, HG Energy, LLC., and Pennzoil Products Company. The chain of title Is as follows:

Assignment in Deed Book 363, Page 384, dated April 9, 1998 from Pennzoil Products Company to Pennzoil Exploration and Production Company.

Certificate of Merger in Corporate Record Book 12, Page 179, dated December 2, 1998, Pennzoil Exploration and Production Company merged into PennzEnergy

Certificate of Merger in Corporate Record Book 12, Page 278, dated December 30, 1999, PennzEnergy Exploration and Production Company, LLC., merged into Devon

Assignment in Deed Book 370, Page 580, dated June 2000, from Devon Energy Production Company, LP, to East Resources, Inc.

Assignment in Lease Book 118A, Page 253, dated January 1, 2011, from East Resources, Inc. to HG Energy, LLC.

Assignment in Lease Book 153A, Page 238, dated August 1, 2014, from East Resources, Inc. and HG Energy, LLLC., to American Energy - Marcellus, LLC.

WW-6A1

Operator's Well No. Rolly S GRN WZ 4H

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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(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:

American Energy - Marcellus, LLC is the record title owner of the leases and/or fee interests identified herein. Listed below each lease is the applicable chain of title by which American Energy - Marcellus, LLC was vested with title thereto. Please note, throughout the chain of title, various mergers and name changes occurred between the referenced companies. In several instances, no documentation was filed in the county records evidincing such a merger or name change. In those cases, we've directed your attention to the records of the West Virginia Secretary of State, where said documentation can be found.

	ber Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty 1/8	Book/Page 138A/882
08204-00	JERRY M. BOOTH	HG ENERGY LLC		153A/238
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	1534238
2057 52	CO AND LIEUMOTER	SOUTH PENN OIL COMPANY	1/8	23/98
2957-50	S.P. AND L.J. LEMASTER South Penn Oil Company	South Penn Natural Gas Company	Assignment	33A/455
	South Penn Natural Gas Company	South Penn Oil Company	Assignment	215/47B
	South Penn Oil Company	Pennzoil Company	Cert. of Name Change	WV Sec. of State records
	Pennzoil Company	Pennzoil United, Inc.	Assignment	246/491
	Pennzoil United, Inc.	Pennzoil Company	Cert. of Name Change	
	Pennzoil Company	Pennzoii Products Company	Assn. & Supp. Assn.	319/397 & 322/577
	Pennzoil Products Company	Pennzoil Exploration and Production Company	Assignment	363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production LLC.	Merger	12/179
	PennzEnergy Exploration and Production LLC.	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP	East Recources Inc	Assignment	370/580
	East Recources, Inc.	HG Energy, LLC	Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
212-50	RICHARD STACKPOLE	SOUTH PENN OIL COMPANY	1/8	23/282
	South Penn Oil Company	South Penn Natural Gas Company	Assignment	33A/455
	South Penn Natural Gas Company	South Penn Oil Company	Assignment	215/478
	South Penn Oil Company	Pennzoil Company	Cert. of Name Change	WV Sec. of State records
	Pennzoil Company	Pennzoil United Inc.	Assignment	246/491
	Pennzoil United, Inc.	Pennzoli Company		WV Sec. of State records
	Pennzoil Company	Pennzoil Products Company	Assn. & Supp. Assn.	319/397 & 322/577
	Pennzoil Products Company	Pennzoil Exploration and Production Company	Assignment	363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production LLC	Merger	12/179
	PennzEnergy Exploration and Production LLC.	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP	East Recources, Inc.	Assignment	370/580
	East Recources, Inc.	HG Energy, LLC	Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
				78/22/
001-50	RICHARD WILEY ET AL	S. A. Smith	1/8	46/524
	S. A. Smith	South Penn Oil Company	Assignment	46/11
	South Penn Oil Company	South Penn Natural Gas Company	Assignment	33A/455
	South Penn Natural Gas Company	South Penn Oil Company	Assignment	215/478
	South Penn Oil Company	Pennzoil Company	Cert, of Name Change	
	Pennzoil Company	Pennzoil United, Inc.	Assignment	246/491
	Pennzoil United, Inc.	Pennzoil Company	Cert. of Name Change	WV Sec. of State records
	Pennzoil Company	Pennzoil Products Company	Assn. & Supp. Assn.	319/397 & 322/577
	Pennzoil Products Company	Pennzoil Exploration and Production Company	Assignment	363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production, LLC.	Merger	12/179
	PennzEnergy Exploration and Production LLC	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company LP	East Recources, Inc.	Assignment	370/580
	East Recources, Inc.	HG Energy, LLC.	Assignment	118A/253 153A/238
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
544-50	GEO. V. AND JOSEPHINE M. REILLY	SOUTH PENN OIL COMPANY	1/8	47/34
0-14-00	South Penn Oil Company	South Penn Natural Gas Company	Assignment	33A/455
	South Penn Natural Gas Company	South Penn Oil Company	Assignment	215/478
	South Penn Natural Gas Company South Penn Oil Company	South Penn Oil Company Pennzoil Company	Assignment Cert. of Name Change	215/478 WV Sec. of State records
	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company	South Penn Oil Company Pennzoll Company Pennzoll United, Inc.	Assignment Cert. of Name Change Assignment	215/478 WV Sec. of State records 246/491
	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil United, Inc.	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company	Assignment Cert. of Name Change Assignment Cert. of Name Change	215/478 WV Sec. of State records 248/491 WV Sec. of State records
	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Company Pennzoil Products Company	Assignment Cert. of Name Change Assignment Cert. of Name Change Assn. & Supp. Assn.	215/478 WV Sec. of State regords 246/491 WV Sec. of State records 319/397 & 322/577
	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil Londer, Inc. Pennzoil Company Pennzoil Products Company	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Products Company Pennzoil Products Company Pennzoil Exploration and Production Company	Assignment Cert. of Name Change Assignment Cert. of Name Change Assn. & Supp. Assn. Assignment	215/478 WV Sec. of State records 248/491 WV Sec. of State records 319/397 & 322/57 D
	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production, LLC	Assignment Cert. of Name Change Assignment Cert. of Name Change Assn. & Supp. Assn. Assignment Merger	215/478 W Sec of State repords 248/491 W Sec of State repords 319/397 & 322/5777 D 363/384 12/179
	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production, LLC.	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company PennzEnerry Exploration and Production LLC Devon Energy Production Company, LP	Assignment Cert. of Name Change Assignment Cert. of Name Change Assn. & Supp. Assn. Assignment	215/478 WV Sec. of State records 248/491 WV Sec. of State records 319/397 & 322/57 D
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	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production, LLC. Devon Energy Production Company, LP East Recources, Inc.	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzell Exploration and Production, LLC Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC	Assignment Cert. of Name Change Assignment Cert. of Name Change Assn. & Supp. Assn. Assignment Merger Merger Assignment Assignment Assignment	215/478 W Sec of State records 246/491 W Sec of State records 319/397 & 322/577 12/179 12/278 370/580 118A/253
	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company, PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennzeinerny Exploration and Production, LLC Devon Energy Production Company, LP East Recources, Inc.	Assignment Cert. of Name Change Assignment Cert. of Name Change Assn. & Supp. Assn. Assignment Merger Merger Assignment	215/478 W Sec. of State records 248/491 W Sec. of State records 319/397 & 322/577 D 363/384 12/179 12/278 370/580 118A/253
48-50	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production, LLC. Devon Energy Production Company, LP East Recources, Inc.	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzell Exploration and Production, LLC Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC	Assignment Cert. of Name Change Assignment Cert. of Name Change Assn. & Supp. Assn. Assignment Merger Merger Assignment Assignment Assignment	215/478 W Sec of State records 246/491 W Sec of State records 319/397 & 322/577 12/179 12/278 370/580 118A/253
548-50	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Products Company Pennzoil Products Company Pennzoil Exploration and Production Company PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP East Recources, Inc. East Resources, Inc. Est Resources, Inc and HG Energy, LLC F.L. HOGE	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzenergy Exploration and Production, LLC Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC American Energy - Marcellus, LLC SOUTH PENN OIL COMPANY	Assignment Cert of Name Change Assignment Cert of Name Change Assignment Assn. & Supp. Assn. Assignment Merger Merger Assignment Assignment Assignment Assignment	215/478 WW Sec. of State repords 246/491 WW Sec. of State repords 319/397 & 322/57 0 319/397 & 322/57 0 12/179 12/278 370/580 118A/253 153A/238
548-50	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company, Pennzenge Exploration and Production, LLC. Devon Energy Production Company, LP East Resources, Inc. East Resources, Inc.	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Company Pennzoil Exploration and Production Company Pennzeinergy Exploration and Production, LLC Devon Energy Production Company, LP East Recources, Inc. HS Energy, LLC American Energy - Marcellus, LLC	Assignment Cert of Name Change Assignment Cert of Name Change Assignment Assignment Merger Merger Assignment	215/478 WW Sec of State records 246/491 WW Sec of State records 319/397 & 322/57 12/179 12/278 12/278 18A/253 153A/238 47/26 215/478
548-50	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company, Pennzenergy Exploration and Production, LLC. Devon Energy Production Company, LP East Recources, Inc. East Resources, Inc. East Resources, Inc. Est Resources, Inc. South Penn Oil Company South Penn Natural Gas Company	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil United, Inc. Pennzoil Products Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennzenerry Exploration and Production, LLC Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC. American Energy - Marcellus, LLC SOUTH PENN OIL COMPANY South Penn Natural Gas Company	Assignment Cert of Name Change Assignment Cert of Name Change Assignment Assignment Merger Merger Assignment	215/478 WW Sec, of State repords 246/491 WW Sec of State repords 319/397 & 322/5770 319/397 & 322/5770 12/179 12/278 370/580 118A/253 153A/253 47/26 33A/455
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548-50	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzoil Exploration Company Pennzoil Exploration and Production, LLC. Devon Energy Production Company, LP East Resources, Inc. East Resources, Inc. East Resources, Inc. South Penn Oil Company South Penn Natural Gas Company South Penn Oil Company	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzenerry Exploration and Production LLC Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC American Energy - Marcellus, LLC SOUTH PENN OIL COMPANY South Penn Natural Gas Company South Penn Oil Company Pennzoil Company	Assignment Cert. of Name Change Assignment Cert. of Name Change Assignment Supp. Assn. & Supp. Assn. Assignment Merger Merger Assignment Assignment Assignment Assignment Cest. of Name Change Assignment Cert. of Name Change Assignment Cert. of Name Change Cert. Of Name Change Cert. Of Name Change Cert. Of Name Change	215/478 WV Sec. of State repords 246/491 WS Sec. of State repords 319/397 8 322/577 U363/384 U2/179 12/278 370/580 118A/253 153A/238 47/26 33A/455 215/478 WS Sec. of State repords 246/491 WS Sec. of State repords
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548-50	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company. PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP East Resources, Inc. East Resources, Inc. East Resources, Inc. FL. HOGE South Penn Oil Company South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Insteed, Inc. Pennzoil Products Company Pennzoil Products Company	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil United, Inc. Pennzoil Products Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennzenerry Exploration and Production, LLC Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC American Energy - Marceilus, LLC SOUTH PENN OIL COMPANY South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Exploration and Production Company	Assignment Cert. of Name Change Assignment Cert. of Name Change Assignment Cert. of Name Change Ass. & Supp. Assn. Assignment Merger Merger Assignment Assignment Assignment Assignment Cert. of Name Change Assignment Cert. of Name Change Ass. & Supp. Assn. Assignment	215/478 WW Sec of State records 246/491 WW Sec of State records 319/397 & 322/577 319/397 & 322/577 319/397 & 322/577 319/397 & 322/577 319/397 & 322/577 319/397 & 322/577 WW Sec of State records 215/478 WW Sec of State records 319/397 & 322/577 39339384
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548-50	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production LLC. Devon Energy Production Company, LP East Recources, Inc. East Recources, Inc. East Resources, Inc. South Penn Oil Company South Penn Oil Company South Penn Oil Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Products Company	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil United, Inc. Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzeinerry Exploration and Production, LLC Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC American Energy - Marcellus, LLC SOUTH PENN OIL COMPANY South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production LLC. Devon Energy Production Company Pennzeinergy Exploration and Production, LLC. Devon Energy Production Company, LP	Assignment Cert. of Name Change Assignment Cert. of Name Change Assignment Cert. of Name Change Assignment Merger Merger Assignment Assignment Assignment Assignment Assignment Cert. of Name Change Assignment Merger Merger	215/478 WW Sec of State repords 246/491 WW Sec of State repords 319/397 & 322/577 319/397 & 322/577 12/179 12/278 370/580 118A/253 118A/253 15/478 WW Sec of State repords 246/491 WW Sec of State repords 319/397 & 322/577 363/384 12/179 12/278
548-50	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzenergy Exploration and Production LLC. Devon Energy Production Company, LP East Resources, Inc. East Resources, Inc. East Resources, Inc. FL. HOGE South Penn Oil Company South Penn Oil Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzenergy Exploration and Production LLC. Devon Energy Production Company, LP	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Products Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennzenry Exploration and Production, LLC Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC American Energy - Marcellus, LLC SOUTH PENN OIL COMPANY South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Exploration and Production Company Pennzenry Exploration and Production LLC. Devon Energy Exploration Company, LP East Recources, Inc.	Assignment Cert. of Name Change Assignment Cert. of Name Change Assignment Cert. of Name Change Assignment Merger Merger Assignment Assignment Assignment Assignment Cert. of Name Change Assignment Merger Merger Assignment	215/478 WW Sec. of State records 246/491 WW Sec. of State refords 319/397 & 322/577 12/278 370/580 118A/253 153A/238 47/26 33A/455 215/478 WW Sec. of State records 246/491 WW Sec. of State records 319/397 & 322/577 3833844 12/179 12/278 370/580
548-50	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production, LLC. Devon Energy Production Company, LP East Resources, Inc. East Resources, Inc and HG Energy, LLC F.L. HOGE South Penn Oil Company South Penn Oil Company South Penn Oil Company Pennzoil Products Company Pennzoil Products Company Pennzoil Products Company Pennzenergy Exploration and Production Company Pennzenergy Exploration and Production LLC. Devon Energy Production Company, LP East Recources, Inc.	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzenerry Exploration and Production, LLC Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC. American Energy - Marcellus, LLC SOUTH PENN OIL COMPANY South Penn Natural Gas Company. South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Exploration and Production LLC. Devon Energy Production Company, LP East Recources, Inc.	Assignment Cert. of Name Change Assignment Cert. of Name Change Assignment Cert. of Name Change Ass. & Supp. Assn. Assignment Merger Merger Assignment Assignment Assignment Assignment Assignment Cert. of Name Change Assignment Cert. of Name Change Assignment Cert. of Name Change Assignment Merger Assignment Merger Merger Assignment Assignment Merger Assignment Assignment Assignment Assignment Assignment Assignment	215/478 WV Sec. of State repords 246/491 WW Sec of State repords 319/397 8. 322/577 363/384 12/179 12/278 370/580 118A/253 153A/253 47/26 33A/455 215/478 WV Sec. of State records 319/397 8. 322/577 363/384 12/179 12/278 370/580
548-50	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzenergy Exploration and Production LLC. Devon Energy Production Company, LP East Resources, Inc. East Resources, Inc. East Resources, Inc. FL. HOGE South Penn Oil Company South Penn Oil Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzenergy Exploration and Production LLC. Devon Energy Production Company, LP	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Products Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennzenry Exploration and Production, LLC Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC American Energy - Marcellus, LLC SOUTH PENN OIL COMPANY South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Exploration and Production Company Pennzenry Exploration and Production LLC. Devon Energy Exploration Company, LP East Recources, Inc.	Assignment Cert. of Name Change Assignment Cert. of Name Change Assignment Cert. of Name Change Assignment Merger Merger Assignment Assignment Assignment Assignment Cert. of Name Change Assignment Merger Merger Assignment	215/478 W Sec of State records 246/491 W Sec of State refords 319/397 & 322/577 12/278 370/580 118A/253 153A/238 47/26 33A/455 215/478 W Sec of State records 246/491 W Sec of State records 319/397 & 322/577 393/384 12/179 12/278 370/580
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38367-50 47250-02 47250-03 47250-04	Devon Energy Production Company, LP East Recources, Inc. East Resources, Inc. East Resources, Inc. Bast Resources, Inc. SEBA WILEY ET AL, JOHN C. WILEY, GDN &SPL COMR South Penn Oil Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production LLC Devon Energy Production Company, LP East Resources, Inc.	East Recourses, Inc. HG Energy, LLC. American Energy - Marcellus, LLC SOUTH PENN OIL COMPANY South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production LLC. Devon Energy Exploration and Production LLC. HG Energy, LLC. American Energy - Marcellus, LLC Pennzoil Exploration and Production Company Pennzoil Exploration and Production LLC. Devon Energy Pennzoil Company Pennzoil Exploration and Production LLC. Devon Energy Production Company, LP East Recources, Inc.	Assignment Assignment Assignment 1/8 Assignment Assignment Assignment Cert of Name Change Assignment Cert of Name Change Assignment Merger Merger Assignment Assignment Assignment Assignment Assignment Assignment Assignment Assignment Merger Assignment Assignment Merger	370/580 118A/253 153A/238 63/503 33A/455 215/478 W Sec of State records 246/491 W Sec of State records 319/397 & 322/577 363/384 12/179 12/278 370/580 118A/253 153A/238 65A/620 963/384
47250-02 47250-02 47250-03	East Resources, Inc and HG Energy, LLC SEBA WILEY ET AL, JOHN C. WILEY, GDN & SPL COMR South Penn Oil Company South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennziel Exploration and Production LLC Devon Energy Production Company, LP East Resources, Inc. East Resources, Inc. East Resources, Inc. East Resources, Inc. Devon Energy Production Company Pennziel Exploration and Production LLC. Devon Energy Production Company Pennziel Exploration and Production LLC. Devon Energy Production Company East Resources, Inc.	American Energy - Marcellus, LLC SOUTH PENN OIL COMPANY South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil United Inc. Pennzoil Company Pennzoil Oromany Pennzoil Products Company Pennzoil Products Company Pennzoil Products Company Pennzoil Products Company Pennzoil Production and Production Company Pennzoil Exploration and Production LLC. Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC. Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production LLC. Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC.	Assignment 1/8 Assignment Assignment Cer. of Name Change Assignment Cer. to Name Change Assignment Cer. to Name Change Assignment Merger Merger Assignment Assignment Assignment Assignment Assignment Merger Assignment Assignment Merger Merger Assignment Assignment Merger	153A/238 63/503 33A/455 215/478 W Sec of State records 248/491 W Sec of State records 319/397 & 322/577 363/384 12/179 12/278 370/580 118A/253 153A/238
38367-50 47250-02 47250-03 47250-04	SEBA WILEY ET AL, JOHN C. WILEY, GDN & SPL COMR South Penn Oil Company South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production LLC Devon Energy Production Company, LP East Recources, Inc. East Resources, Inc. East Resources, Inc. East Resources and HG Energy, LLC FAYE MOORE Pennzoil Products Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzoil Exploration Company Pe	SOUTH PENN OIL COMPANY South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil United Inc. Pennzoil Products Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzellergy Exploration and Production LLC. Devon Energy Production Company, LP East Recourses, Inc. HG Energy LLC. American Energy - Marcellus, LLC Pennzoil Products Company Pennzellergy Exploration and Production Company Pennzellergy Exploration and Production Company Pennzellergy Exploration and Production LLC. Devon Energy Production Company Pennzellergy Exploration and Production LLC. Devon Energy Production Company East Recourses, Inc. HG Energy LLC.	1/8 Assignment Assignment Cert of Name Change Assignment Cert of Name Change Assignment Cert of Name Change Assignment Merger Merger Assignment Assignment Assignment Assignment Assignment Merger	63/503 33A/455 215/478 W Sec of State records 246/491 W Sec of State records 319/397 & 322/577 363/384 12/179 12/278 370/580 118A/253 153A/238
47250-02 47250-03 47250-04	South Penn Oil Company South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Ormpany Pennzoil Company Pennzoil Products Company Pennzoil Products company Pennzie Exploration and Production Company Pennzie Energy Production Company Pennzie Energy Production Company, LP East Resources, Inc. East Resources, Inc. East Resources, Inc. East Resources, Inc. Pennzie Products Company Pennzie Exploration and Production Company Pennzie Exploration and Production Company Pennzie Exploration and Production LLC Devon Energy Production Company LP East Resources, Inc. East Resources, Inc and HG Energy, LLC JOHN HARLEN MOORE ET UX	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production LLC. Devon Energy Froduction Company, LP East Recources, inc. HG Energy, LLC. American Energy - Marcellus, LLC Pennzoil Products Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzemy Exploration and Production LLC. Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC.	Assignment Assignment Cert of Name Change Assignment Cert of Name Change Assignment Cert of Name Change Assn. & Supp Assn. Assignment Merger Merger Assignment Assignment Assignment 1/8 Assignment Merger	33A/455 215/478 W Sec of State records 248/491 W Sec of State records 319/397 & 322/577 363/384 12/179 12/278 370/580 118A/253 1153A/238 65A/620 363/384
47250-02 47250-03 47250-04	South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil United, Inc. Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production LLC Devon Energy Production Company, LP East Recources, Inc. East Resources, Inc. East Resources, Inc and HG Energy, LLC FAYE MOORE Pennzoil Exploration and Production Company Pennzoil Exploration and Production LLC Devon Energy Exploration and Production LLC Devon Energy Exploration and Production LLC Devon Energy Products Company Pennzoil Exploration and Production LLC Devon Energy Exploration and Production LLC Devon Energy Products Company LP East Resources, Inc. East Resources, Inc. East Resources, Inc and HG Energy, LLC JOHN HARLEN MOORE ET UX	South Penn Oil Company Pennzoil Company Pennzoil United Inc. Pennzoil United Inc. Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzenergy Exploration and Production, LLC. Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC. American Energy - Marcellus, LLC Pennzoil Products Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production, LLC. Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC.	Assignment Cert of Name Change Assignment Cert of Name Change Assignment Assignment Merger Merger Assignment Assignment Assignment Assignment Assignment Assignment Assignment Merger Merger Merger Merger Merger Merger Merger Merger Merger	215478 WV Sec. of State records 246/491 WW Sec. of State records 319/397 & 322/577 363/384 12/179 12/278 37/0580 118A/253 153A/238 65A/620 363/384
47250-02 47250-03 47250-04 47250-05	South Penn Oil Company Pennzoil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Compary Pennzoil Exploration and Production Company Pennzoil Exploration and Production LLC Devon Energy Production Company, LP East Resources, Inc.	Pennzoil Compeny Pennzoil United Inc. Pennzoil Company Pennzoil Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production LLC. Davon Energy Exploration Company, LP East Recources, Inc. HG Energy, LLC. American Energy - Marcellus, LLC Pennzoil Products Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production LLC. Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC.	Cert. of Name Change Assignment Cert of Name Change Assn. & Supp. Assn. Assignment Merger Merger Assignment Assignment Assignment Assignment Assignment Merger Assignment Assignment Merger	W Sec. of State records 246/491 W Sec. of State records 319/397 & 322/577 363/384 12/179 12/278 370/580 118A/253 1153A/238 65A/620 363/384
47250-02 47250-03 47250-04 47250-05	Pennzoil United, Inc. Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production, LLC Devon Energy Production Company, LP East Recources, Inc. East Resources, Inc. East Resources, Inc. East Resources, Inc. PAYE MOORE Pennzoil Products Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production, LLC Devon Energy Exploration and Production, LLC Devon Energy Production Company, LP East Resources, Inc. East Resources, Inc. East Resources, Inc. LOND HARLEN MOORE ET UX	Pennzoil Company Pennzoil Products Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennzenergy Exploration and Production LLC. Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC. American Energy - Marcellus, LLC Pennzoil Products Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production, LLC. Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC.	Cert of Name Change Assn. & Supp. Assn. Assignment Merger Merger Assignment Assignment Assignment Assignment Merger Merger Assignment Merger Merger	W Sec. of State records 319/397 & 322/577 363/384 12/179 12/278 370/580 118A/253 153A/238 65A/620 963/384
47250-02 47250-03 47250-04 47250-05	Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production LLC Devon Energy Production Company, LP East Resources, Inc. East Resources, Inc. East Resources, Inc. and HG Energy, LLC FAYE MOORE Pennzoil Products Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company Pennzenergy Exploration and Production, LLC Devon Energy Production Company LP East Resources, Inc. East Resources, Inc. East Resources, Inc. Least Resources	Pennzoii Products Company Pennzoii Exploration and Production Company Pennzonerry Exploration and Production LLC. Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC. American Energy - Marcellus, LLC Pennzoii Products Company Pennzoii Exploration and Production Company Pennzonerry Exploration and Production LLC. Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC.	Assn & Supp Assn. Assignment Merger Merger Assignment Assignment Assignment Assignment Merger Assignment Merger	319/397 & 322/577 363/384 12/179 12/278 370/580 118A/253 153A/238 65A/620 363/384
47250-02 47250-03 47250-04	Pennzoil Products Company Pennzoil Exploration and Production Company Pennzenergy Exploration and Production, LLC Devon Energy Production Company, LP East Recources, Inc East Resources, Inc East Resources, Inc and HG Energy, LLC FAYE MOORE Pennzoil Products Company Pennzoil Exploration and Production Company Pennzenergy Exploration and Production, LLC Devon Energy Production Company, LP East Recources, Inc East Resources, Inc East Resources, Inc East Resources, Inc LC JOHN HARLEN MOORE ET UX	Pennzeil Exploration and Production Company Pennzenergy Exploration and Production LLC. Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC. American Energy - Marcellus, LLC Pennzeil Products Company Pennzeil Exploration and Production Company Pennzeil Exploration and Production, LLC. Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC.	Assignment Merger Merger Assignment Assignment Assignment 1/8 Assignment Merger	12/179 12/278 370/580 118A/253 153A/238 65A/620 363/384
47250-02 47250-03 47250-04	PennzEnergy Exploration and Production LLC Devon Energy Production Company, LP East Resources, Inc. East Resources	Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC. American Energy - Marcellus, LLC Pennzoil Products Company Pennzoil Exploration and Production Company Pennzergy Exploration and Production, LLC. Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC.	Merger Assignment Assignment Assignment 1/8 Assignment Merger	12/278 370/580 118A/253 153A/238 65A/620 363/384
47250-02 47250-03 47250-04	Devon Energy Production Company, LP East Resources, Inc. LC JOHN HARLEN MOORE ET UX	East Recources Inc. HG Energy, LLC. American Energy - Marcellus, LLC Pennzoll Products Company Pennzoll Exploration and Production Company Pennzelnergy Exploration and Production, LLC. Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC.	Assignment Assignment Assignment 1/8 Assignment Merger	370/580 118A/253 153A/238 65A/620 363/384
47250-03 47250-04 47250-05	East Resources, inc and HG Energy, LLC FAYE MOORE Pennzoil Products Company Pennzoil Exploration and Production Company PennzeEnergy Exploration and Production, LLC Devon Energy Production Company, LP East Resources, Inc. East Resources, Inc. JOHN HARLEN MOORE ET UX	American Energy - Marcellus, LLC Pennzoll Products Company Pennzell Exploration and Production Company Pennzelnergy Exploration and Production, LLC. Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC.	Assignment 1/8 Assignment Merger	153A/238 65A/620 363/384
47250-02 47250-03 47250-04 47250-05	FAYE MOORE Pennzoil Products Company Pennzoil Exploration and Production Company Pennzenergy Exploration and Production LLC Devon Energy Production Company LP East Recources, Inc. East Resources, Inc and HG Energy, LLC JOHN HARLEN MOORE ET UX	Pennzoll Products Company Pennzoll Exploration and Production Company PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC.	1/8 Assignment Merger	65A/620 363/384
47250-03 47250-04 47250-05	Pennzoil Products Company Pennzoil Exploration and Production Company PennzEnergy Exploration and Production LLC Devon Energy Production Company LP East Recources, Inc. East Resources, Inc. JOHN HARLEN MOORE ET UX	Pennzeni Exploration and Production Company Pennzenergy Exploration and Production LLC. Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC.	Assignment Merger	363/384
47250-03 47250-04 47250-05	Pennzoil Exploration and Production Company PennzEnergy Exploration and Production LLC Devon Energy Production Company LP East Recources, Inc. East Resources, Inc and HG Energy, LLC JOHN HARLEN MOORE ET UX	PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC.	Merger	
47250-03 47250-04 47250-05	PennzEnergy Exploration and Production LLC Devon Energy Production Company LP East Recources, Inc. East Resources, Inc and HG Energy, LLC JOHN HARLEN MOORE ET UX	Devon Energy Production Company, LP East Recources, Inc. HG Energy, LLC.		
47250-03 47250-04 47250-05	East Recources, Inc. East Resources, Inc and HG Energy, LLC. JOHN HARLEN MOORE ET UX	HG Energy, LLC.		12/278
47250-03 47250-04 47250-05	East Resources, Inc and HG Energy, LLC JOHN HARLEN MOORE ET UX	Ino chergy, LLO	Assignment	370/580
47250-03 47250-04 47250-05	JOHN HARLEN MOORE ET UX	American Energy - Marcellus, LLC	Assignment Assignment	118A/253 153A/238
47250-04 47250-05				2 <
47250-04	I consider a company	Pennzoil Products Company Pennzoil Exploration and Production Company	1/8 Assignment	65A/624 363/384
47250-04 47250-05	Pennzoil Exploration and Production Company	Pennzoii Exploration and Production Company PennzEnergy Exploration and Production, LLC.	Merger	12/179
47250-04 47250-05	PennzEnergy Exploration and Production, LLC.	Devon Energy Production Company, LP	Merger	12/2/8
47250-04 47250-05	Devon Energy Production Company, LP East Recources, Inc.	East Recources, Inc. HG Energy, LLC:	Assignment Assignment	370/580 118A/253
47250-05	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
47250-05	JAMES B. MOORE	Benevall Bradista Comment	1/8	65A/628
47250-05	Pennzoil Products Company	Pennzoll Products Company Pennzoll Exploration and Production Company	Assignment	65A/628 363/384
47250-05	Pennzoll Exploration and Production Company	PennzEnergy Exploration and Production, LLC.	Merger	12/179
47250-05	PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP	Devon Energy Production Company, LP East Recources, Inc.	Merger Assignment	070/000
47250-05	East Recources, Inc.	HG Energy, LLC.	Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238 () U
	EDWARD H. MOORE ET UX	Pennzoll Products Company	1/8	67A/570 O
	Pennzoil Products Company	Pennzoil Exploration and Production Company	Assignment	363/384
	Pennzoil Exploration and Production Company PennzEnergy Exploration and Production.LLC.	PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP	Merger Merger	12/179 12/278
	Devon Energy Production Company, LP	East Recources, Inc.	Assignment	370/580
	East Recources, Inc.	HG Energy, LLC.	Assignment Assignment	118A/253 153A/238
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153AV235
	Rebecca V Ferrebee et vir	C. E. Beck	1/8	58A/157
	C. E. Beck Pennzoii Company	Pennzoil Company Pennzoil Products Company	Assignment Assn. & Supp. Assn.	58A/229 319/397 & 322/577
	Pennzoll Products Company	Pennzoil Exploration and Production Company	Assignment	363/384
	Penrizoil Exploration and Production Company	PennzEnergy Exploration and Production LLC.	Merger	12/179
	PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP	East Recources, Inc.	Assignment	370/580
	East Recources, Inc.	HG Energy, LLC.	Assignment	118A/253
	East Resources, Inc and HG Energy, Inc	American Energy - Marcellus, LLC	Assignment	153A/238
47251-01	Madeline Knight Sovil	C. E. Beck	1/8	58A/173
	C. E. Beck	Pennzoil Company	Assignment Assignment	58A/229 319/397 & 322/577
	Pennzoii Company Pennzoii Products Company	Pennzoil Products Company Pennzoil Exploration and Production Company	Assn. & Supp. Assn. Assignment	319/397 & 322/577 363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production, LLC.	Merger	12/179
	PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP	Devon Energy Production Company, LP East Recources, Inc.	Merger Assignment	12/278 370/580
	East Recources, Inc.	HG Energy, LLC.	Assignment	118A/253
	East Resources, Inc and HG Energy, Inc	American Energy - Marcellus, LLC	Assignment	153A/238
47251-02	Robert R. Knight	C. E. Beck	1/8	58A/165
	C. E. Beck	Pennzoil Company	Assignment	58A/229
	Pennzoii Company Pennzoii Products Company	Pennzoil Products Company Pennzoil Exploration and Production Company	Assn. & Supp. Assn. Assignment	319/397 & 322/577 363/384
	Pennzoil Exploration and Production Company	Pennzenergy Exploration and Production LLC.	Merger	12/179
	PennzEnergy Exploration and Production, LLC.	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP East Recources, Inc.	East Recources, Inc. HG Energy, LLC.	Assignment Assignment	370/580 118A/253
	East Resources, Inc and HG Energy, Inc	American Energy - Marcellus, LLC	Assignment	153A/238
47251-03	Hazel B. Ferrebee	C. E. Beck	1/8	58A/153
	C. E. Beck	Pennzoil Company	Assignment	58A/229
	Pennzoil Company	Pennzoil Products Company	Assn. & Supp. Assn.	319/397 & 322/577 363/384
	Pennzoil Products Company Pennzoil Exploration and Production Company	Pennzoil Exploration and Production Company PennzEnergy Exploration and Production, LLC.	Assignment Merger	12/179
	PennzEnergy Exploration and Production LLC.	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP East Recources, Inc.	East Recources, Inc. HG Energy, LLC.	Assignment Assignment	370/580 118A/253
	East Resources, inc. East Resources, inc and HG Energy, Inc.	American Energy - Marcellus, LLC	Assignment	153A/238
				ERAMAE
	Helen K. Chapman	C. E. Beck Pennzoil Company	1/8 Assignment	58A/145 58A/229
	C. E. Beck	Pennzoil Products Company		319/397 & 322/577

	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production, LLC.	Merger	12/179
	PennzEnergy Exploration and Production LLC. Devon Energy Production Company LP	Devon Energy Production Company, LP East Recources, Inc.	Merger Assignment	12/278 370/580
	East Recources, Inc.	HG Energy, LLC	Assignment	118A/253
	East Resources, Inc and HG Energy, Inc	American Energy - Marcellus, LLC	Assignment	153A/238
47251-05	Mary Jane Davis et vir	Pennzoil Products Company	1/8	58A/287
	Pennzoil Products Company	Pennzoil Exploration and Production Company	Assignment	363/384
	Pennzoil Exploration and Production Company PennzEnergy Exploration and Production LLC	PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP	Merger Merger	12/179
	Devon Energy Production Company, LP	East Recourses, Inc.	Assignment	370/580
	East Recources, Inc.	HG Energy, LLC	Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
47251-06	Lottie McHenry	Pennzoil Products Company	1/8	58A/339 =
	Pennzoil Products Company Pennzoil Exploration and Production Company	Pennzeil Exploration and Production Company PennzEnergy Exploration and Production, LLC.	Assignment Merger	363/384
	PennzEnergy Exploration and Production LLC	Devon Energy Production Company, LP	Merger	12/1/9
	Devon Energy Production Company, LP	East Recources, Inc.	Assignment	370/580
_	East Recources, Inc. East Resources, Inc and HG Energy, LLC	HG Energy, LLC. American Energy - Marcellus, LLC	Assignment Assignment	118A/253 153A/238
				0 7
47271-00	VESTA R. HOLBERT ET VIR Pennzoil Products Company	PENNZOIL PRODUCTS COMPANY Pennzoil Exploration and Production Company	1/8 Assignment	363/384
	Pennzoit Exploration and Production Company	PennzEnergy Exploration and Production LLC.	Merger	12/179
	PennzEnergy Exploration and Production, LLC	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP East Recources, Inc.	East Recources, Inc. HG Energy, LLC	Assignment Assignment	370/580 T S
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
47271-05	RANDALL GRAY BY JANET MUNICH, POA	HG ENERGY LLC	1/8	135-A/717 (D)
4/2/1-05	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
4707/				2, -
47271-06	NANCY L. MILLER East Resources, Inc and HG Energy, LLC	HG ENERGY LLC American Energy - Marcellus, LLC	1/8 Assignment	134-A/367 O
47271-07	CARL E. FLUHARTY, JR East Resources, Inc and HG Energy, LLC	HG ENERGY LLC	1/8 Assignment	133-A/579 153A/238
	Less resources, we and no energy, ele-	American Energy - Marcellus, LLC	Assignment	13370230
47271-08	RICHARD F. MCCUMBER	HG ENERGY LLC	1/8	136-A/146
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
47271-09	JOHN M. ANDRIKANICH	HG ENERGY LLC	1/8	136-A/47
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
47271-10	CARLA M. KELLER	HG ENERGY LLC	1/8	136-A/50
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
57098-00	WADSWORTH BROTHERS, INC	PENNZOIL COMPANY	1/8	65-A/420
57098-00	Pennzoli Company	Pennzoit Company Pennzoit Products Company	Assignment	319/397 & 322/577
	Pennzoil Products Company	Pennzoil Exploration and Production Company	Assignment	363/384
	Pennzoil Exploration and Production Company PennzEnergy Exploration and Production LLC	PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP	Merger Merger	12/179
	Devon Energy Production Company, LP	East Recources, Inc.	Assignment	370/580
	East Recources, Inc	HG Energy, LLC.	Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
57135-09	BURL D. FLUHARTY ET UX	PENNZOIL COMPANY	1/8	67-A/134
	Pennzoil Company	Pennzoil Products Company	Assignment	319/397 & 322/577
	Pennzoil Products Company Pennzoil Exploration and Production Company	Pennzoil Exploration and Production Company PennzEnergy Exploration and Production LLC.	Assignment Merger	363/384 12/179
	PennzEnergy Exploration and Production, LLC.	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP	East Recources, Inc.	Assignment	370/580
	East Recources, Inc. East Resources, Inc and HG Energy, LLC	HG Energy, LLC. American Energy - Marcellus, LLC	Assignment Assignment	118A/253 153A/238
Lanca Taran				
57135-10	FRANCIS H. STENDER ET UX	PENNZOIL COMPANY	1/8	67-A/185 319/397 & 322/577
	Pennzoil Company Pennzoil Products Company	Pennzoil Products Company Pennzoil Exploration and Production Company	Assignment Assignment	363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production LLC.	Merger	12/179
	PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP	Devon Energy Production Company, LP East Recources, Inc.	Merger Assignment	12/278
	East Recources, Inc.	HG Energy, LLC.	Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
57135-11	PAUL J. HUFSCHMITT ET UX	PENNZOIL COMPANY	1/8	67-A/181
	Pennzoil Company	Pennzoil Products Company	Assignment	319/397 & 322/577
	Pennzoil Products Company Pennzoil Exploration and Production Company	Pennzoil Exploration and Production Company PennzEnergy Exploration and Production LLC.	Assignment	363/384 12/179
	Pennzenergy Exploration and Production Company Pennzenergy Exploration and Production LLC.	Devon Energy Production Company, LP	Merger Merger	12/278
	Devon Energy Production Company, LP	East Recources, Inc.	Assignment	370/580
	East Recources, Inc. East Resources, Inc and HG Energy, LLC	HG Energy, LLC. American Energy - Marcellus, LLC	Assignment Assignment	118A/253 153A/238
57135-12	EDNA MCVEY ET VIR	PENNZOIL COMPANY	1/8	67-A/468
	Pennzoil Company Pennzoil Products Company	Pennzoil Products Company Pennzoil Exploration and Production Company	Assignment Assignment	319/397 & 322/577 363/384
	Pennzoll Exploration and Production Company	PennzEnergy Exploration and Production, LLC.	Merger	12/179
	PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP	Devon Energy Production Company, LP East Recources, Inc.	Merger Assignment	12/278 370/580
	East Recources, Inc.	HG Energy, LLC	Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
7135-13	JAMES F. HUFSCHMITT ET UX	PENNZOIL COMPANY	1/8	67-A/464
100.10	Pennzoil Company	Penrizoil Products Company	Assignment	319/397 & 322/577
	Pennzoli Products Company	Pennzoil Exploration and Production Company	Assignment	363/384
	Pennzoll Exploration and Production Company PennzEnergy Exploration and Production, LLC.	PennzEnergy Exploration and Production LLC. Devon Energy Production Company, LP	Merger Merger	12/179
	Devon Energy Production Company, LP	East Recources, Inc.	Assignment	370/580
	East Recources, Inc. East Resources, Inc and HG Energy, LLC	HG Energy, LLC American Energy - Marcellus, LLC	Assignment Assignment	118A/253 153A/238
			Assignment	
37135-14	VIVIAN POLING ET VIR	PENNZOIL COMPANY	1/8	67-A/578
	Pennzoil Company Pennzoil Products Company	Pennzoil Products Company Pennzoil Exploration and Production Company	Assignment Assignment	319/397 & 322/577 363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production LLC.	Merger	12/179
	PennzEnergy Exploration and Production, LLC.	Devon Energy Production Company, LP	Merger	12/278

	Duran Francis Description Company D	East Recources, Inc.	Assignment	1370/580
	Deven Energy Production Company, LP East Recources, Inc.	HG Energy, LLC	Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
57135-15	PAUL J. SHIBEN, ETC	PENNZOIL COMPANY Pennzoil Products Company	1/8 Assignment	67-A/629 319/397 & 322/577
	Pennzoil Products Company	Pennzoil Exploration and Production Company	Assignment	363/384
	Pennzeil Exploration and Production Company PennzEnergy Exploration and Production LLC.	PennzEnergy Exploration and Production LLC Devon Energy Production Company, LP	Merger Merger	12/179
	Davon Energy Production Company, LP	East Recources, inc.	Assignment	370/580
-	East Recources, Inc. East Resources, Inc and HG Energy, LLC	HG Energy, LLC American Energy - Marcellus, LLC	Assignment Assignment	118A/253 153A/238
		PENNZOIL COMPANY	1/8	68-A/623 Z
57135-18	BERNARO VINCENT STENDER ET UX Pennzal Company	Pennzoil Products Company	Assignment	319/397 & 322-77
	Pennzeil Products Company Pennzeil Exploration and Production Company	Pennzell Exploration and Production Company PennzEnergy Exploration and Production, LLC.	Assignment Merger	363/384
	PennzEnergy Exploration and Production LLC.	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP East Recources, Inc.	East Recources, Inc. HG Energy, LLC.	Assignment Assignment	14100.052
	East Resources, inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
57135-04	JOSEPH BURL STENDER ET UX	PENNZOIL COMPANY	1/8	67-A/146
	Pennzoil Company Pennzoil Products Company	Pennzoil Products Company Pennzoil Exploration and Production Company	Assignment Assignment	319/397 & 322/647
	Pennzeil Exploration and Production Company	PennzEnergy Exploration and Production LLC.	Merger	12/179
	PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP	Devon Energy Production Company, LP East Recources, Inc.	Merger Assignment	12/278 Q U U1
	East Recources, Inc.	HG Energy, LLC.	Assignment	118A/253 T)
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	1 2 2
57135-05	ESTHER MITCHELL ET VIR	PENNZOIL COMPANY Pennzoil Products Company	1/8 Assignment	87-A/142 319/397 & 322/512/
	Pennzoil Company Pennzoil Products Company	Pennzoil Exploration and Production Company	Assignment	363/384
	Pennzoil Exploration and Production Company PennzEnergy Exploration and Production LLC.	PennzEnergy Exploration and Production LLC Dovon Energy Production Company, LP	Merger Merger	12/179
	Devon Energy Production Company, LP	East Recources, Inc.	Assignment Assignment	370/580 118A/253
	East Recources, Inc. East Resources, Inc and HG Energy, LLC	HG Energy, LLC. American Energy - Marcellus, LLC	Assignment	153A/238
57135-08	HELENA K. HUFSCHMITT	PENNZOIL COMPANY	1/8	67-A/138
37 133-00	Pennzoil Company	Pennzoil Products Company	Assignment	319/397 & 322/577
	Pennzoil Products Company Pennzoil Exploration and Production Company	Pennzeil Exploration and Production Company PennzEnergy Exploration and Production LLC	Assignment Merger	383/384 12/179
	PennzEnergy Exploration and Production, LLC.	Devon Energy Production Company, LP	Merger Assignment	12/278
	Deven Energy Production Company, LP [East Recources, Inc.	East Recources, Inc. HG Energy, LLC.	Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
57135-07	LOUISE BRABHAM ET VIR	PENNZCIL COMPANY	1/8	67-A/118
	Pennzoi Products Company	Pennzoil Products Company Pennzoil Exploration and Production Company	Assignment Assignment	319/397 & 322/577 363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production LLC. Devon Energy Production Company, LP	Merger Merger	12/179
	PennzEnergy Exploration and Production LLC. Devon Energy Production Company, LP	East Recources, Inc.	Assignment	370/580
	East Recources, Inc. East Resources, Inc. and HG Energy, LLC	American Energy - Marcellus LLC	Assignment Assignment	118A/253 153A/238
57135-08	VRGINIA EDDY ET VIR Pennzoil Company	PENNZGIL COMPANY Pennzgil Products Company	1/8 Assignment	67-A/130 319/397 & 322/577
	Pennzeil Products Company	Pennzoil Excloration and Production Company PennzEnergy Exploration and Production, LLC	Assignment Merger	383/384 12/179
	Pennzoil Exploration and Production Company Pennzenergy Exploration and Production, LLC.	Deven Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP East Recources, Inc.	East Recources, Inc. HG Energy, LLC.	Assignment Assignment	370/580 118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
57135-00	DALE FLUHARTY ET UX	PENNZOIL COMPANY	1/8	86-A/583
	Pennzail Company Pennzail Products Company	Pennzoil Froducts Company Pennzoil Exploration and Production Company	Assignment Assignment	319/397 & 322/577 363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production LLC	Merger	12/179
	PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP	Devon Energy Production Company, LP East Recourses, Inc.	Merger Assignment	12/278 370/580
	East Recources, Inc.	HG Energy, LLC.	Assignment	118A/253
	East Resources, inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
57135-01	HELENA M. STENDER BROWN ET VIR	PENNZOIL COMPANY Pennzoil Products Company	1/8 Assignment	67-A/122 319/397 & 322/577
	Pennzoil Company Pennzoil Products Company	Pennzeil Exploration and Production Company	Assignment	363/384
	Pennzoil Exploration and Production Company PennzEnergy Exploration and Production LLC.	PennzEnergy Exploration and Production, LLC. Deven Energy Production Company, LP	Merger Merger	12/179
	Devon Energy Production Company, LP	East Recources, Inc.	Assignment	370/580
	East Recources, Inc. East Resources, Inc and HG Energy, LLC	HG Energy, LLC. American Energy - Marcellus, LLC	Assignment Assignment	118A/253 153A/238
67436 C2	LENGRE TALLMAN ET VIR	PENNZOIL COMPANY	1/8	67-A/150
57135-02	Pennzoil Company	Pennzeil Products Company	Assgnment	319/397 & 322/577
	Pennzoil Products Company Pennzoil Exploration and Production Company	Pennzoil Exploration and Production Company PennzEnergy Exploration and Production, U.C.	Assignment Merger	383/384 12/179
	PennzEnergy Exploration and Production, LLC.	Deven Energy Production Company, LP	Morger	12/278 370/580
	Devon Energy Production Company, LP East Recources, Inc.	East Recources, Inc. HG Energy, LLC	Assignment Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
57135-03	MILDRED CHANCEY ET VIR	PENNZOIL COMPANY	1/8	67-A/126
	Pennzoil Company Pennzoil Products Company	Pennzoil Products Company Pennzoil Exploration and Production Company	Assignment Assignment	319/397 & 322/577 383/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production LLC	Merger Merger	12/179
	PennxEnergy Exploration and Production, LLC. Devon Energy Production Company, LP	Devon Energy Production Company, UP East Recources, Inc.	Assignment	370/580
	East Recources, Inc. East Resources, Inc and HG Energy, LLC	HG Energy, LLC. American Energy - Marcethia, LLC	Assignment Assignment	118A/253 153A/238
57197-00	KERMIT MCINTYRE ET AL. Pennzoil Company	PENNZOIL COMPANY Pennzoil Products Company	1/8 Assignment	67-A/91 319/397 & 322/577
	Pennzoil Products Company	Pennzoil Exploration and Production Company PennzEnergy Exploration and Production, LLC	Assignment Merger	383/384 12/179
L	Pennzeil Exploration and Production Company	генижены у схралини или этонископ, ш.с.	worger	1 101 110

	PennzEnergy Exploration and Production, LLC.	Devon Energy Production Company, LP East Recourses, Inc.	Merger	12/278
	Devon Energy Production Company, LP East Recourses, Inc.	HG Energy, LLC.	Assignment Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
67613-00	ESTHER PETERS, ETC. Pennzoll Company	PENNZOIL COMPANY Pennzoil Products Company	1/8 Assignment	67-A/625 319/397 & 322/577
	Pennzoil Products Company	Pennzoil Exploration and Production Company	Assignment	363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production, LLC	Merger	12/179
	PennzEnergy Exploration and Production LLC. Devon Energy Production Company, LP	Devon Energy Production Company, LP East Recources Inc	Merger Assignment	12/278 370/580
	East Recources, Inc.	HG Energy, LLC.	Assignment	118A/253
-	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
67614-00	UNION NATIONAL BANK, TRUSTEE Pennzoil Company	PENNZOIL COMPANY Pennzoil Products Company	1/8 Assignment	67-A/661 319/397 & 322/577
	Pennzoil Products Company	Pennzoil Exploration and Production Company	Assignment	363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production LLC.	Merger	12/179
	PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP	Devon Energy Production Company, LP East Recources, Inc.	Merger Assignment	12/278 37D/580
	East Recourses. Inc.	HG Energy, LLC	Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
22245.00	WADSWORTH BROTHERS, INC	PENNZOIL COMPANY	410	68-A/58
67615-00	Pennzoil Company	Pennzoit Company Pennzoit Products Company	1/8 Assignment	319/397 & 322/577
Ç	Pennzoil Products Company	Pennzoil Exploration and Production Company	Assignment	363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production, LLC.	Merger	12/179
-	PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP	Devon Energy Production Company, LP East Recources, Inc.	Merger Assignment	12/278 370/580
	East Recources, Inc.	HG Energy, LLC.	Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
£7407 04	CUELLA L CUIV	UO ENEDOVITA	410	122 4/270
57197-01	East Resources, Inc and HG Energy, LLC	HG ENERGY LLC American Energy - Marcellus, LLC	1/8 Assignment	133-A/378 153A/238
			Analysis (1901)	4.00
2830-00	RICHARD WILEY ET AL	SOUTH PENN OIL COMPANY	1/8	49/131
	South Penn Oil Company	South Penn Natural Gas Company	Assignment Assignment	33A/455 215/478
	South Penn Natural Gas Company South Penn Oil Company	South Penn Oil Company Pennzoll Company		WV Sec. of State-records
	Pennzoil Company	Pennzoil United, Inc.	Assignment	246/491
	Pennzoil United, Inc.	Pennzoil Company		WV Sec. of State Tecords
	Pennzoil Company Pennzoil Products Company	Pennzoil Products Company Pennzoil Exploration and Production Company	Assn. & Supp. Assn. Assignment	319/397 & 322/577.
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production, LLC.	Merger	12/179
	PennzEnergy Exploration and Production, LLC.	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP	East Recources, Inc.	Assignment	370/580 118A/253
	East Recources, Inc. East Resources, Inc and HG Energy, LLC	HG Energy, LLC American Energy - Marcellus, LLC	Assignment Assignment	118A/253
	Esseries and the Energy Lee	Pariettan Errorgi - Marcorea, EEG	riang mone	5 0
3318-00	NELLIE AMOS ET AL	PENNZOIL COMPANY	1/8	306/379
	Pennzoil Company Pennzoil Products Company	Pennzoil Products Company Pennzoil Exploration and Production Company	Assn. & Supp. Assn. Assignment	319/397 & 322/577
	Perinzoil Exploration and Production Company	PennzEnergy Exploration and Production LLC	Merger	12/179
	PennzEnergy Exploration and Production, LLC.	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP	East Recources, Inc.	Assignment Assignment	370/580 U 3 U 3 U 3 U 3 U 3 U 3 U 3 U 3 U 3 U
	East Recources, Inc. East Resources, Inc and HG Energy, LLC.	HG Energy, LLC American Energy - Marcellus, LLC	Assignment	118A/253 153A/238
August .				0.0
2827-00	GEO. M. WILEY ET AL	SOUTH PENN OIL COMPANY	1/8	49/126
	South Penn Oil Company South Penn Natural Gas Company	South Penn Natural Gas Company South Penn Oil Company	Assignment Assignment	33A/455 215/478
	South Penn Oil Company	Pennzoil Company	Cert. of Name Change	WW Sec. of State records
	Pennzoil Company	Pennzoil United, Inc.	Assignment	246/491
	Pennzoil United, Inc.	Pennzoil Company	Cert. of Name Change	WV Sec. of State records 319/397 & 322/577
_	Pennzoil Company Pennzoil Products Company	Pennzoil Products Company Pennzoil Exploration and Production Company	Assn. & Supp. Assn. Assignment	363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production, LLC.	Merger	12/179
	PennzEnergy Exploration and Production, LLC.	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP East Recources, Inc.	East Recources, Inc. HG Energy, LLC.	Assignment Assignment	370/580 118A/253
	East Resources, Inc. and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
2188-00	LUCRETIA FLUHARTY ET AL South Penn Oil Company	SOUTH PENN OIL COMPANY	1/8	40/430 33A/455
	South Penn Natural Gas Company	South Penn Natural Gas Company South Penn Oil Company	Assignment Assignment	215/478
	South Penn Oil Company	Pennzoil Company	Cert. of Name Change	WV Sec. of State records
	Pennzoii Company	Pennzoil United, Inc.	Assignment	246/491
	Pennzoil United, Inc. Pennzoil Company	Pennzoli Company Pennzoli Products Company	Cert of Name Change Assn. & Supp. Assn.	WV Sec. of State records 319/397 & 322/577
	Pennzoii Company Pennzoii Products Company	Pennzoii Products Company Pennzoii Exploration and Production Company	Assignment	363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production, LLC.	Merger	12/179
	PennzEnergy Exploration and Production, LLC.	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP East Recources, Inc.	East Recources, Inc. HG Energy, LLC.	Assignment Assignment	370/580 118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
99433-00	STEPHEN H. HARMAN Pennzoil Company	PENNZOIL COMPANY Pennzoil Products Company	1/8 Assn. & Supp. Assn.	312/118 319/397 & 322/577
	Pennzoii Company Pennzoii Products Company	Pennzoil Exploration and Production Company	Assignment	363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production LLC	Merger	12/179
	PennzEnergy Exploration and Production LLC.	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP East Recources, Inc.	East Recources, Inc. HG Energy, LLC.	Assignment Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
2020 02	TOUR O UN EVEN A	COURT DESIGN OF COURTS	16	401120
2829-00	JOHN C. WILEY ET AL South Penn Oil Company	SOUTH PENN OIL COMPANY South Penn Natural Gas Company	1/8 Assignment	49/130 33A/455
	South Penn Natural Gas Company	South Penn Oil Company	Assignment	215/478
		Pennzoil Company	Cert. of Name Change	WV Sec. of State records
	South Penn Oil Company			
	Pennzoii Company	Pennzoii United, Inc.	Assignment Cert of Name Change	246/491 WV Sec. of State records
	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company		Assignment Cert. of Name Change Assn. & Supp. Assn.	246/491 WV Sec. of State records 319/397 & 322/577
	Pennzoii Company Pennzoii Unised, Inc. Pennzoii Company Pennzoii Products Company	Pennzoil United, Inc. Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company	Cert. of Name Change Assn. & Supp. Assn. Assignment	WV Sec. of State records 319/397 & 322/577 363/384
	Pennzoii Company Pennzoii United, Inc. Pennzoii Company Pennzoii Products Company Pennzoii Exploration and Production Company	Pennzoil United, Inc. Pennzoil Company Pennzoil Products Company Pennzoil Products Company Pennzoil Exploration and Production Company PennzEnergy Exploration and Production, LLC.	Cert. of Name Change Assn. & Supp. Assn. Assignment Merger	WV Sec. of State records 319/397 & 322/577 363/384 12/179
	Pennzoii Company Pennzoii Unised, Inc. Pennzoii Company Pennzoii Products Company	Pennzoil United, Inc. Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company	Cert. of Name Change Assn. & Supp. Assn. Assignment	WV Sec. of State records 319/397 & 322/577 363/384

	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production,LLC	Merger	12/179
	PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP	Devon Energy Production Company, LP East Recourdes, Inc.	Merger Assignment	12/278
	East Recources, Inc.	HG Energy, LLC.	Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
	EDWARD A. FLAHIVE, EXECUTOR OF ESTATE OF EDITH W.		100	
0815-00	MCINTYRE	PENNZOIL COMPANY	1/8	235/749
	Pennzoil Company	Pennzoil Products Company	Assn & Supp. Assn.	319/397 & 322/577
	Pennzoil Products Company Pennzoil Products Company	Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company	Assignment Assignment	363/384 363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production, LLC	Merger	12/179
	PennzEnergy Exploration and Production, LLC.	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP East Recources, Inc.	East Recources, Inc. HG Energy, LLC.	Assignment Assignment	370/580 118A/253
	East Resources, Inc. and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
20-00	HENRY FLUHARTY	SOUTH PENN OIL COMPANY	1/8	49/115 33A/455
	South Penn Oil Company South Penn Natural Gas Company	South Penn Natural Gas Company South Penn Oil Company	Assignment Assignment	215/478
	South Penn Oil Company	Pennzoil Company	Cert. of Name Change	WV Sec. of State records
	Pennzoil Company	Pennzoil United, Inc.	Assignment	248/491
	Pennzoil United, Inc. Pennzoil Company	Pennzoil Company Pennzoil Products Company	Assn. & Supp. Assn.	WV Sec. of State records 319/397 & 322/577
	Pennzoil Products Company	Pennzoil Exploration and Production Company	Assignment	363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production, LLC.	Merger	12/179
	PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP	Devon Energy Production Company, LP East Recources, Inc.	Merger Assignment	12/278
	East Recources, Inc.	HG Energy, LLC	Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
22.00	D.H. AND MARY B. CHIMMINGHAM	SOUTH PENN OIL COMPANY	410	40/120
23-00	D.M. AND MARY B. CUNNINGHAM South Penn Oil Company	South Penn Natural Gas Company	1/8 Assignment	49/120 33A/455
	South Penn Natural Gas Company	South Penn Oil Company	Assignment	215/478
	South Penn Oil Company	Pennzoil Company	Cert of Name Change	WV Sec. of State records
	Pennzoil Company	Pennzoil United Inc. Pennzoil Company	Assignment Cert. of Name Change	245/491 WV Sec. of State records
	Pennzoil United, Inc. Pennzoil Company	Pennzoil Company Pennzoil Products Company	Assn. & Supp. Assn.	319/397 & 322/577
	Pennzoil Products Company	Pennzoil Exploration and Production Company	Assignment	363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production.LLC.	Merger	12/179
_	PennzEnergy Exploration and Production, LLC. Devon Energy Production Company, LP	Devon Energy Production Company, LP East Recources, Inc.	Merger Assignment	12/278 370/580
	East Recources, Inc.	HG Energy, LLC	Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
8012-01	ISABELLE RUTHERFORD BY VIRGINIA LEE MILLER	HG ENERGY, LLC	1/8	405/215
8012-01	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
	Last recorded, include the army place			
70-00	S.P. AND L.J LEMASTERS	SOUTH PENN OIL COMPANY	1/8	33/71
	South Penn Oil Company South Penn Natural Gas Company	South Penn Natural Gas Company South Penn Oil Company	Assignment Assignment	33A/455 215/478
	South Penn Oil Company	Pennzoil Company	Cert. of Name Change	WV Sec. of State records
	Pennzoil Company	Pennzoil United, Inc.	Assignment	246/491
	Pennzoil United, Inc.	Pennzoil Company	Cert. of Name Change Assn. & Supp. Assn.	WV Sec. of State records 319/397 & 322/577
	Pennzoil Company Pennzoil Products Company	Pennzoil Products Company Pennzoil Exploration and Production Company	Assignment	363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production LLC.	Merger	12/179
	PennzEnergy Exploration and Production LLC	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP East Recources, Inc.	East Recources, Inc. HG Energy, LLC.	Assignment Assignment	118A/253 3 0
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238 D D
				30
88-01	STEPHEN H. HARMAN Pennzoil Products Company	PENNZOIL PRODUCTS COMPANY Pennzoil Exploration and Production Company	1/8 Assignment	363/384
	Pennzoii Products Company Pennzoii Exploration and Production Company	PennzEnergy Exploration and Production LLC.	Merger	12/179
	PennzEnergy Exploration and Production, LLC.	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP	East Recources, Inc.	Assignment	370/580 118A/253
	East Recources, Inc. East Resources, Inc and HG Energy, LLC	HG Energy, LLC: American Energy - Marcellus, LLC	Assignment Assignment	118A/253 Q U
	East Resources, Inc and HG Energy, LLG	American Energy - Marcends, LCC	Assignment	(D)
33-01	CHARLES MITCHELL	EAST RESOURCES, INC	1/8	421/678
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
24-00	A.W. WILEY ET AL	SOUTH PENN OIL COMPANY	1/8	49/121
	South Penn Oil Company	South Penn Natural Gas Company	Assignment	33A/455
	South Penn Natural Gas Company	South Penn Oil Company	Assignment Change	215/478
	South Penn Oil Company Pennzoil Company	Pennzoil Company Pennzoil United, Inc.	Cert. of Name Change Assignment	WV Sec. of State records 246/491
	Pennzoil United, Inc.	Pennzoil Company	Cert. of Name Change	WV Sec. of State records
	Pennzoil Company	Pennzoil Products Company	Assn. & Supp. Assn.	319/397 & 322/577
	Pennzoil Products Company Pennzoil Evaluation and Production Company	Pennzoli Exploration and Production Company PennzEnergy Exploration and Production, LLC.	Assignment Merger	363/384 12/179
	Pennzoil Exploration and Production Company PennzEnergy Exploration and Production, LLC.	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP	East Recources, Inc.	Assignment.	370/580
	East Recources, Inc.	HG Energy, LLC.	Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
32-00	RICHARD WILEY ET AL	SOUTH PENN OIL COMPANY	1/8	49/134
	South Penn Oil Company	South Penn Natural Gas Company	Assignment	33A/455
	South Penn Natural Gas Company South Penn Oil Company	South Penn Oil Company Pennzoil Company	Assignment Cert, of Name Change	215/478 WV Sec. of State records
	Pennzoil Company	Pennzoil United, Inc.	Assignment	246/491
	Pennzoil United, Inc.	Pennzoil Company	Cert of Name Change	WV Sec. of State records
	Pennzoil Company	Pennzoil Products Company Pennzoil Exploration and Production Company	Assn. & Supp. Assn. Assignment	319/397 & 322/577 363/384
	Pennzoil Products Company Pennzoil Exploration and Production Company	Pennzoil Exploration and Production Company PennzEnergy Exploration and Production, LLC.	Assignment Merger	12/179
	PennzEnergy Exploration and Production, LLC	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP	East Recources, Inc.	Assignment	370/580
	East Recources, Inc. East Resources, Inc and HG Energy, LLC	HG Energy, LLC American Energy - Marcellus, LLC	Assignment Assignment	118A/253 153A/238
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8046-00	Janet K. Huggins	EAST RESOURCES, INC	1/8	375/849
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	451/475
				1277720
382-00	Kenneth Edward McHenry et ux	C. E. Beck	1/8	58A/407
382-00	Kenneth Edward McHenry et ux C. E. Beck Pennzoli Company	C. E. Beck Pennzoil Company Pennzoil Products Company	1/8 Assignment Assn. & Supp. Assn.	58A/407 58A/483 319/397 & 322/577

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	Pennzoil Products Company	Pennzoil Exploration and Production Company	Assignment	363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production, LLC.	Merger	12/179
	PennzEnergy Exploration and Production, LLC.	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP	East Recources, Inc.	Assignment	370/580
	East Recources, Inc.	HG Energy, LLC.	Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238
26804-50	IR. H. Miller	James Strosnider	1/8	53/245
	James Strosnider	South Penn Oil Company	Assignment	58A/483
	South Penn Oil Company	South Penn Natural Gas Company	Assignment	33A/455
	South Penn Natural Gas Company	South Penn Oil Company	Assignment	215/478
	South Penn Oil Company	Pennzoil Company	Cert. of Name Change	WV Sec. of State records
	Pennzoil Company	Pennzoil United Inc.	Assignment	248/491
	Pennzoil United, Inc.	Pennzoil Company		WV Sec. of State records
	Pennzoil Company	Pennzoii Products Company		319/397 & 322/577
	Pennzoil Products Company	Pennzoil Exploration and Production Company	Assignment	363/384
	Pennzoil Exploration and Production Company	PennzEnergy Exploration and Production, LLC.	Merger	12/179
	PennzEnergy Exploration and Production, LLC.	Devon Energy Production Company, LP	Merger	12/278
	Devon Energy Production Company, LP	East Recources, Inc.	Assignment	370/580
	East Recources, Inc.	HG Energy, LLC	Assignment	118A/253
	East Resources, Inc and HG Energy, LLC	American Energy - Marcellus, LLC	Assignment	153A/238

Office of Oil and Gas

APR 2.4 2015

APR 2.4 2015

WW Department of

Environmental Protection



January 29, 2015

West Virginia Department of Environmental Protect Chief, Office of Oil & Gas Attn: Mr. James Martin 601 57th Street Charleston, West Virginia 25304

Re: Application for a Permit to Drill Reilly S GRN WZ 4H

Dear Mr. Martin,

American Energy – Marcellus, LLC has the right to drill, extract and produce the minerals from any roads crossed by the proposed laterals for the Reilly S GRN WZ 4H well by virtue of the lease identified on page WW-6A1 of the accompanying permit application.

No action on your part is required. If you have any questions or concerns, please feel free to contact me.

Best Regards.

Ariel Bravo

Regulatory Technician ariel.bravo@aep-lp.com
Cell 405-403-4803

Office 405-607-5529

Received Office of Oil & Gas

FER 1 3 7015

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE CERTIFICATION

API No. 47-47 1-0 3 0 3 0 Date of Notice Certification: \122/15 Operator's Well No. Reilly S GRN WZ 4H Well Pad Name: Reilly GRN WZ Notice has been given: Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows: West Virginia State: Easting: 526683.8 UTM NAD 83 County: Wetzel 4371721.4 Northing: District: Green Public Road Access: Lefthand Fork Road (C.R. 13/8) Quadrangle: Center Point Generally used farm name: Watershed: Fishing Creek Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant. Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following: OOG OFFICE USE *PLEASE CHECK ALL THAT APPLY ONLY ☐ 1. NOTICE OF SEISMIC ACTIVITY or ■ NOTICE NOT REQUIRED BECAUSE NO RECEIVED/ SEISMIC ACTIVITY WAS CONDUCTED NOT REQUIRED ■ 2. NOTICE OF ENTRY FOR PLAT SURVEY of ☐ NO PLAT SURVEY WAS CONDUCTED RECEIVED □ 3. NOTICE OF INTENT TO DRILL or ■ NOTICE NOT REQUIRED BECAUSE ☐ RECEIVED/ NOTICE OF ENTRY FOR PLAT SURVEY NOT REQUIRED WAS CONDUCTED or ■ WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH) 4. NOTICE OF PLANNED OPERATION □ RECEIVED 5. PUBLIC NOTICE □ RECEIVED 6. NOTICE OF APPLICATION □ RECEIVED

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

Office of Oil & Gas

Telephone:

Certification of Notice is hereby given:

THEREFORE, I Brandon McKinley have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification 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.

Address:

Well Operator: American Energy - Marcellus, LLC.

By: Brandon McKinley

Its: Manager - Regulatory

Oklahoma City, OK 73116

Manager - Regulatory Facsimile: 405-607-5427 Email:

Email: brandon.mckinley@aep-lp.com

3501 N.W. 63rd St

NOTARY SEAL

1400742 # 1400742 EP. 01/23/18 OF OKLO Subscribed and sworn before me this 13 day of Jan, 2015.

Notary Public

My Commission Expires 1/23/18

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Received Office of Oil & Gas

WW-6A (9-13) 4710303091

API NO. 47OPERATOR WELL NO. Reilly S GRN WZ 4H
Well Pad Name: Reilly GRN WZ

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION

Noti	ce Time Requirement	: notice shall be provided	no later tha	n the filing date of permit application.	
	e of Notice: 1/22/2015 ce of:	Date Permit Application	Filed: 2/5/2	2015	
7	PERMIT FOR ANY WELL WORK	- -		PROVAL FOR THE AN IMPOUNDMENT OR PIT	
Deli	very method pursuan	t to West Virginia Code {	22-6A-10	(b)	
	PERSONAL SERVICE	REGISTERED MAIL		OD OF DELIVERY THAT REQUIRES A IPT OR SIGNATURE CONFIRMATION	
certiiregis sedir the soil and description open more well important provides record provides record water than the soil and the soil an	ficate of approval for the tered mail or by any mement control plan requirurface of the tract on what gas leasehold being or ibed in the erosion and ator or lessee, in the every coal seams; (4) The own work, if the surface traction and the erosion and the erosion and the erosion and ator or lessee, in the every coal seams; (4) The own work, if the surface traction and the surface traction and the surface traction (b) of this section reds of the sheriff require ision of this article to the R. § 35-8-5.7.a require repurveyor or surface over the surface of t	e construction of an impount thod of delivery that require ed by section seven of this a hich the well is or is proposed with the well is or is proposed with the tract of land on which the tract of the surface the tract of the surface the tract of the placer is to be used for the placer is to be used for the placer is to be used for the placer is to take place. (c)(1) If mon hold interests in the lands, and to be maintained pursuant the contrary, notice to a lien hes, in part, that the operator where subject to notice and with the contract of the surface to notice and with the contract of the surface to notice and with the operator where subject to notice and with the contract of the surface to the surface to notice and with the contract of the surface to	dment or pi s a receipt of rticle, and ti dd to be located well work, if itted pursuant the well pre- e tract or tra- nent, constructicle; (5) A within one nimals; and re than three the applicant to section of older is not shall also prater testing	of the application, the applicant for a permit for t as required by this article shall deliver, by person or signature confirmation, copies of the application the well plat to each of the following persons: (1) ated; (2) The owners of record of the surface traction to subsection (c), section seven of this article; roposed to be drilled is located [sie] is known to lacts overlying the oil and gas leasehold being devoction, enlargement, alteration, repair, removal of thousand five hundred feet of the center of the well (6) The operator of any natural gas storage field the tenants in common or other co-owners of interest may serve the documents required upon the peright, article one, chapter eleven-a of this code. (1) notice to a landowner, unless the lien holder is the rovide the Well Site Safety Plan ("WSSP") to the as provided in section 15 of this rule.	onal service or by on, the erosion and The owners of record of t or tracts overlying the land disturbance as (3) The coal owner, be underlain by one or reloped by the proposed or abandonment of any wn to the applicant to rell pad which is used to within which the ests described in rson described in the 2) Notwithstanding any he landowner. W. Va.
	JRFACE OWNER(s)			COAL OWNER OR LESSEE	
	ress:			Name: Please see attached. Address:	
Nam Add	ne:			COAL OPERATOR Name:	
пst	JRFACE OWNER(s)	Road and/or Other Disturb	ance)	Address:	
Nam	ne:		,	SURFACE OWNER OF WATER WELL	
Add	ress:			AND/OR WATER PURVEYOR(s) Name: Please see attached.	
Nam	ne:			Address:	
Add	ress:			TOPERATOR OF ANY MATTIRAL CASS	TODACE FIELD
sı	JRFACE OWNER(s)	(Impoundments or Pits)		OPERATOR OF ANY NATURAL GAS S Name:	
Nam	ne:			Address:	
Add:	ress:			*Please attach additional forms if necessary	Received Office of Oil & Gas

API NO. 47-4 0 3 0 3 0 9 1 OPERATOR WELL NO. Reilly S GRN WZ 4H

Well Pad Name: Relly GRN WZ

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending unstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells and volatile organic compounds. well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, the southern well location restrictions regarding occupied dwelling structures pursuant to this section. the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

WW-6A (8-13) API NO. 47OPERATOR WELL NO. Reily S GRN WZ 4H
Well Pad Name: Reily GRN WZ

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply, (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas Department of Environmental Protection 601 57th St. SE Charleston, WV 25304 (304) 926-0450

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.

Office of Oil 2. Gas

WW-6A (8-13) 4710303091

OPERATOR WELL NO. Reilly S GRN WZ 4H
Well Pad Name: Reilly GRN WZ

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have THIRTY (30) DAYS after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective:
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

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Office of Oil & Gas

 WW-6A
 API NO. 47-OPERATOR WELL NO. Reilly S GRN WZ 4H Well Pad Name: Reilly GRN WZ

 Notice is hereby given by: Well Operator: American Energy - Marcellus, LLC
 Address: 301 NW 63rd, Suite 600

 Telephone: 405-607-5529
 Oklahoma City, OK 73116

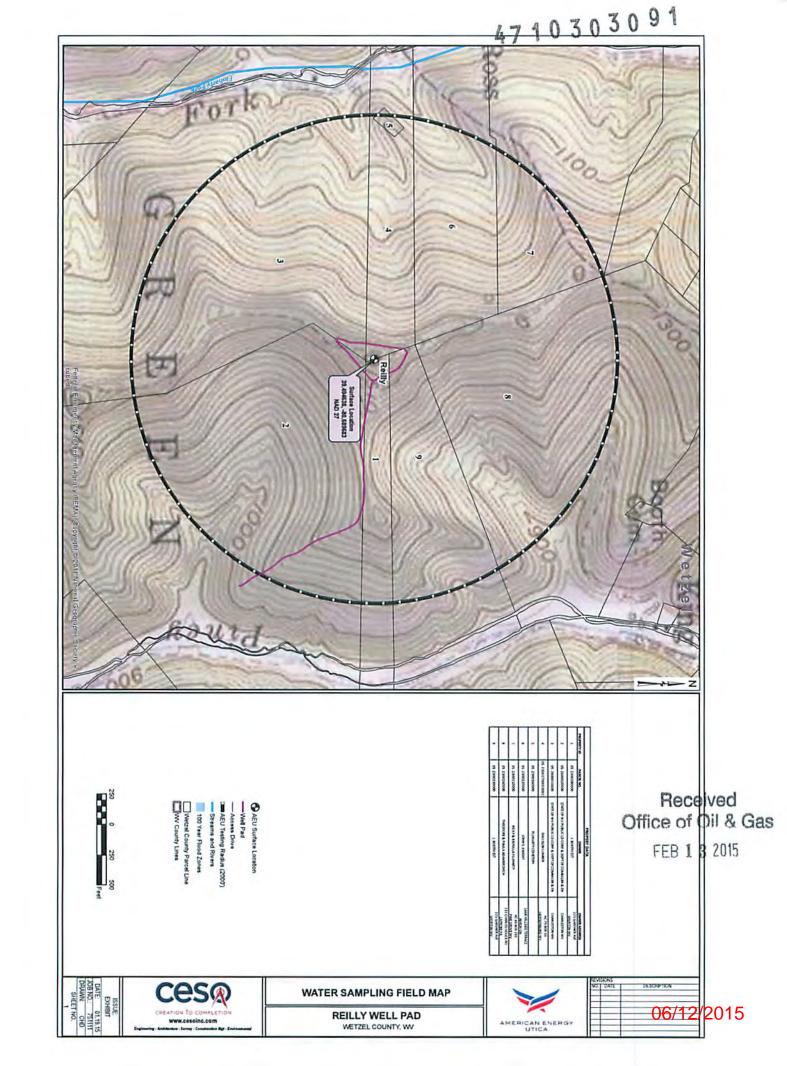
 Email: ariel bravo@aep-lp com
 Facsimile: 405-607-5868

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone 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 or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.



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WW-6A Notice of Application Reilly N GRN WZ 1H, 3H, 5H & 7H Reilly S GRN WZ 2H, 4H, 6H & 8H

Surface owners

Name	Address	City	State	ZIP
Dallison Lumber, Inc.	HC 79 BOX 50	Jacksonburg	wv	26377
J.S. Booth Estate	223 GARDNER AVE	WEIRTON	wv	26062
State of WV Public LD Corp Dept. of Comm, LBR & Envir. DNR	Capitol Complex, Bldg. 6, Room 525	Charleston	wv	25301
State of WV Public LD Corp Dept. of Comm, LBR & Envir. DNR	Capitol Complex, Bldg. 6, Room 525	Charleston	wv	25301

Coal owners

Name	Address	City	State	ZIP
Flame Duo Inc.	231 Davis Street	Bridgeport	wv	26330
Richards Resources	RT 3 Box 79-B	Salem	wv	26426
State of WV Public LD Corp Dept. of Comm, LBR & Envir. DNR	Capitol Complex, Bldg. 6, Room 525	Charleston	wv	25301

Water Owners/Purveyors

Name	Address	City	State	ZIP
Dallison Lumber, Inc.	HC 79 BOX 50	Jacksonburg	wv	26377
J.S. Booth Estate	223 Gardner Ave	Weirton	wv	26062
State of WV Public LD Corp Dept. of Comm, LBR & Envir. DNR	Capitol Complex, Bldg. 6, Room 525	Charleston	wv	25301
Theordore & Paula Adamerovich	131 Charles Houck Rd	Latrobe	PA	15650
Ricky & Katrilla Fluharty	HC 60 Box 293	Pine Grove	wv	26419
John S. Knight	1668 Hillside Terrace	Akron	ОН	44305
Fluharty Cemetery	Cemetery Road	New Martinsville	wv	26155

Received Office of Oil & Gas

WW-6A3 (1/12)

Operator Well No. Relly S GRN WZ 4H

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF ENTRY FOR PLAT SURVEY

Not		quirement:	Notice shall be prov	ided at least SEVI	EN (7) day	s but no more than	FORTY-FIVE	C (45) days prior to	
	•	1/22/2015	Date of Plan	ned Entry: 2/5/201	15	.			
Deli	ivery metho	d pursuant	to West Virginia Co	ode § 22-6A-10a					
	PERSONA	L 🔳	REGISTERED	■ METHOD	OF DEL	VERY THAT RE	QUIRES A		
	SERVICE		MAIL	RECEIPT	OR SIGN	ATURE CONFIRI	MATION		
on to but a bend own and Seco	o the surface no more that eath such tra er of minera Sediment C retary, which	tract to cond n forty-five d ct that has fil als underlying ontrol Manual n statement si	luct any plat surveys ays prior to such ent led a declaration pur	s required pursuant ry to: (1) The surfi- suant to section thi unty tax records. d rules related to conformation, include	t to this art ace owner irty-six, ar The notice oil and gas	icle. Such notice si of such tract; (2) to ticle six, chapter tv shall include a state exploration and pr	hall be provided o any owner or l venty-two of this tement that copi oduction may be	essee of coal seams s code; and (3) any es of the state Erosion e obtained from the	
Not	ice is hereb	y provided t	0:						
	SURFACE	OWNER(s)		[COAL	OWNER OR LES	SSEE		
	ne: Please see					se see attached.			
Add	lress:			_	Address: _				
Nan	ne:			- -					
Add	lress:			_		RAL OWNER(s)			
Nan	ne·			_ 1	Name: Plea	se see attached.	-		
Add	lress:			- *	Address: _				
				- -	please attach	additional forms if nec	essary		
Purs a pla Stat Cou Dist	at survey on e: <u>v</u> inty: <u>v</u> trict: <u>o</u>	t Virginia Co the tract of li /est Virginia /etzel	ode § 22-6A-10(a), n and as follows:	App Publ	rox. Latitu lic Road A ershed:	de & Longitude: ccess:	N 4371721.4/ E 5266 Left-hand Fork Road Fishing Creek		
Qua	drangle: <u>c</u>	enter Point		Gen	erally used	l farm name:	David Fluherty		
may Cha obta	be obtained rleston, WV ined from th	1 from the Se 25304 (304	cretary, at the WV E -926-0450). Copies by visiting <u>www.dep</u>	Department of Envi of such document	ironmental s or additi	Protection headqu onal information re	arters, located a	Office of Oil & Ga	ıs
Wel	Il Operator:	American Energ	y - Marcellus, LLC	A	ddress:	301 NW 63rd SI, Suite 6		FEB 1 3 2015	
	phone:	405-607-5529			! *1	Oklahoma City, OK 7311	6		
Ema	311:	ariel.bravo@aep	-lp.com	F8	acsimile:	405-607-5868			

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone 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 or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

WW-6A3 Notice of Entry for Plat Survey Reilly N GRN WZ 1H, 3H, 5H & 7H Reilly S GRN WZ 2H, 4H, 6H & 8H

Surface owners

Name	Address	City	State	ZIP
Dallison Lumber, Inc.	HC 79 BOX 50	Jacksonburg	wv	26377
J.S. Booth Estate	223 GARDNER AVE	WEIRTON	wv	26062
	Capitol Complex, Bldg. 6, Room 525	Charleston	wv	25301
	Capitol Complex, Bldg. 6, Room 525	Charleston	wv	25301

Coal owners

Name	Address	City	State	ZIP
Flame Duo Inc.	231 Davis Street	Bridgeport	wv	26330
Richards Resources	RT 3 Box 79-B	Salem	wv	26426
State of WV Public LD Corp Dept. of Comm, LBR & Envir. DNR	Capitol Complex, Bldg. 6, Room 525	Charleston	wv	25301

Mineral Owners

Name	Address	City	State	ZIP
Dallison Lumber, Inc.	HC 79 BOX 50	Jacksonburg	wv	26377
Diane McKay Gilliam	206 Rowledge Road	Charlottesville	VA	22903
Douglas A. Broome	PO Box 186	Glenville	WV	26351
Ed Broome, Inc.	4622 WV Hwy 5 E	Glenville	WV	26351
J.S. Booth Estate	223 Gardner Ave	Weirton	wv	26062
Jerry Booth	125 Hiddenwood Acres	Wellsburg	wv	26070

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John S. Knight	1997 King Drive	Stow	ОН	44224
Mary F. Mutschelknaus	P.O. Box 351	Salem	wv	26426
Shiben Estates, Inc.	269 Main Street	New Martinsville	wv	26155
State of WV Public LD Corp Dept.	Capitol Complex, Bldg. 6, Room			
of Comm, LBR & Envir. DNR	525	Charleston	wv	25301

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Office of Oil & Gas
FEB 1:3 2015

WW-6A5 (1/12) Operator Well No. Rolly S GRN WZ 4H

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF PLANNED OPERATION

		equirement: notice shal		o later than the filing pplication Filed: 02/0		application.
Delive	ery meth	od pursuant to West Vi	rginia Code § 2	22-6A-16(c)		
	CERTIF	IED MAIL		HAND		
		N RECEIPT REQUESTE	ED	DELIVERY		
return the pi requir drillin damag	receipt ranned oped to be personal to be personal to the ges to the notices	equested or hand delivery peration. The notice required provided by subsection (I prizontal well; and (3) A surface affected by oil as	y, give the surfa uired by this su b), section ten o a proposed surfa nd gas operation	ace owner whose land ubsection shall include f this article to a surfa ace use and compens as to the extent the da	I will be used for de: (I) A copy ace owner whose ation agreement amages are com	cation, an operator shall, by certified mail or the drilling of a horizontal well notice of of this code section; (2) The information the land will be used in conjunction with the at containing an offer of compensation for pensable under article six-b of this chapter, sted in the records of the sheriff at the time
(at the	address	by provided to the SUR listed in the records of th		time of notice):		
	: Please see	atached.		Name: _	3.	
					·	
Pursu opera State: Count Distri	ant to We tion on the ty: ct: rangle:	by given: est Virginia Code § 22-64 he surface owner's land for the surfac		of drilling a horizonta UTM NAD 8 Public Road	l well on the tra Easting: Northing:	well operator has developed a planned act of land as follows: 526683.8 4371721.4 Left-hand Fork Road (CR 13/8) David Fluharty
Pursuito be horizo surfacinform headq	ant to We provided ontal well ce affecte nation requarters,	by W. Va. Code § 22- ; and (3) A proposed sur d by oil and gas operation lated to horizontal drilling	-6A-10(b) to a s face use and co ons to the exten ig may be obta	surface owner whose impensation agreement the damages are co- tined from the Secret	e land will be un nt containing ar ompensable und ary, at the WV	code section; (2) The information required used in conjunction with the drilling of a n offer of compensation for damages to the ler article six-b of this chapter. Additional Department of Environmental Protection or by visiting

The Office of Oil and Gas processes your personal information, such as name, address and telephone 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 or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.gov.

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WW-6A5 Notice of Planned Operations Reilly N GRN WZ 1H, 3H, 5H & 7H Reilly S GRN WZ 2H, 4H, 6H & 8H

Surface owners

Name	Address	City	State	ZIP
Dallison Lumber, Inc.	HC 79 BOX 50	Jacksonburg	wv	26377
J.S. Booth Estate	223 GARDNER AVE	WEIRTON	wv	26062
State of WV Public LD Corp Dept. of Comm, LBR & Envir. DNR	Capitol Complex, Bldg. 6, Room 525	Charleston	wv	25301
State of WV Public LD Corp Dept. of Comm, LBR & Envir. DNR	Capitol Complex, Bldg. 6, Room 525	Charleston	wv	25301

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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110 Charleston, West Virginia 25305-0430 • (304) 558-3505

Earl Ray Tomblin Governor Paul A. Mattox, Jr., P. E. Secretary of Transportation/ Commissioner of Highways

February 6, 2015

James A. Martin, Chief Office of Oil and Gas Department of Environmental Protection 601 57th Street, SE Charleston, WV 25304

Subject: DOH Permit for the site Reilly South (503) Pad, Tyler County

Reilly S GRN WZ 2H

Reilly S GRN WZ 4H

Reilly S GRN WZ 6H

Reilly S GRN WZ 8H

Dear Mr. Martin,

This well site will be accessed from a DOH permit 06-2014-0834 which has been applied for by American Energy – Marcellus, LLC for access to the State Road. The well site is located off of Tyler County Route 13/8.

This operator has signed a Statewide Oil and Gas Road Maintenance Bonding Agreement and provided the required bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated January 3, 2012.

Very Truly Yours,

Gary K. Clayton, P.E.

Day L. Clayton

Regional Maintenance Engineer Central Office O&G Coordinator

Ce: Eric Bruckman

American Energy - Marcellus, LLC.

CH, OM, D-6

File

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Office of Oil & Gas

**CELLS WITH BLUE BACKGROUND	ARE THE ONLY CELLS TO BE ED
Fratture Stier Bute Time:	
Fencines End Date/Time:	
State	WV
Ceusty)	Wetrel
API Namber:	
Operatio Number:	
Well Name	Reith-GRN WZ
Felimal Well:	No
Longitudes	
Latingde	
Long/Lat Projection:	NADET
Trus Vertical Depth (TVD):	
Total Clean Fluid Votame* (gall):	6,350,174



Additive	Specific Gravin	Additive Quantity	Mass (llis)
	1.00	8,553,174	71,376,217
Sand (Proppost)	140	8,135,700	2,135,700
Historial Auditory	1,07	43,500	382,418
Hermatoric Acid (7.5%)	194	0	
LECTION D	897	- 44	356
75A HIT	110	9.404	13,523
HED CLEAR QUAN	134	0	
WIN SEALESTEAN IN	149	- 0	0
PROFECIAL	0.94	3,695	28,985
280-GEL 4.00	100	6,716	17,766
PRO BREAKING		30	312
BXLABC	11	0	
PRO DRB LT	131	10	F
BUFFERT	2.11	0	16
POLY BREAK	170	0	1
			Total Sharry Man (Tital)

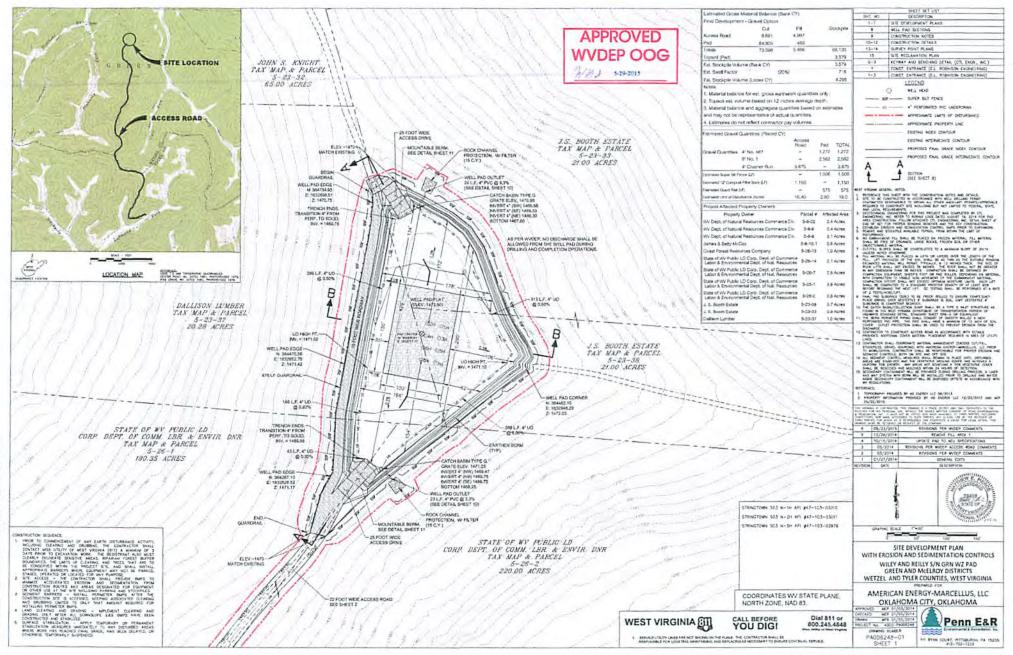
Ingredients Section:

							WALSTIE.	
Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS#)	Maximum Ingredient Concentration in Additive (% by mass)**	Mass per Component (LBS)	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
NO.	Company	Cattain/Base Floor	Water	711511.5	CONTRACTOR OF THE PARTY OF THE	建筑建筑建筑	89311525	
od (Propeil)	PSC	Propiped	Silon Sylveties		100.00%	8.035,746	28.15865%	
the odders. Ass((13%) PROMES	Producer Service Corp.		The British April	2647-01-0	18074	32,947	LMETS	4 3 3 3
	Produces Screen Corp.	biblion	Direct vice coming has delegated after, diges	100 March 2000 200 March 2000 Mar	\$015074	141	2.00072%	
			17-Billionyettana)	11(1-7(-)	2016/54	71	6,060005	I S OF MEETING
			Fabriane Crystel Methyl Alumni	107-3-1	20,000	7/2000	£ 50000 %	
	The State of the S		Megys Alumini	67-36-1 1/2007-07-8	200,000	72	E.50007%	
			News Phone Fabrusher, Brancher	- \$17,00T-97-0	15,00%	tr.	8,89007%	
			Con all planes before	777-35-7	15.00%	- 37	6.49007% 6.49007% 8.69007%	
			Com all Alliances terring	ISSTURATE TO STATE OF THE PARTY	2.50%	1	E PROGEN	
			West	770.00	heriter	avalle:	PERFFE	
RA-807	Produces Savage Corp.	Friction Respon	Peroleum Distillates	64742-47-8	10,000	33,481	0.04172%	
			Particularly lamide suit.	Programme		35,857	0.01/29%	
			Chorton Calveste	7647-14-9	5 (8)%	4,574	0.00522%	THE RESIDENCE OF
			Afternoon Chinade	12111074	3.00%	4276	6,86522%	
	A STATE OF THE PARTY OF		Edwyller Alvalid	Process	5.00%	4.574	0.00572%	THE RESIDENCE OF
			Tall oil:	Proprieta:	2000	1,676	0.00769%	Market Co.
	THE PERSON NAMED IN		4 Principal Americans	Programmy	15.80%	815	0.0015475	
			Water	7753-48-5	Imprintary	#FXECE1	#WALLEY	NAME OF TAXABLE PARTY.
ROFED 192 M	Produces Service Con	Conference	Medial Assum	(17.46.)	40.00	17,397	0.0217255	
			15 district in principles	2587.46.4	30%	5,439	E-00/87%	THE RESERVE
			Water	77-7-11-7	Process	SEALES!	#VALUET	
			Editor Machini	Proprietry	Harristey	\$1.011.01	#241.0'61	
ND BREAKER 4	Promoms Service Corp	Breaker	Bitwine Charl	(\$1174214)	40,109	123	4 08076%	
			False y Mar Alcohol Alloring Ghost Sucher	27.3%	40,00%	125	6.000 (a.m. 6.000 (a.m. 6.0000 (m. 6.0000 (m.	
			Polyantan Bolland	9501-11-6	100%		7.0000CN	
	The second second		Sodan Brant male	122361	1004		A DESCRIPTION OF THE PERSON OF	
	T. B. LTE SAN		Helaneth lineta print	142.55-1 105-87-2	1975	1	2,009005	
		THE RESERVE OF THE PARTY OF THE	Fromtetary Jury Chem	Province	1.00%		£10000%	
			Proportion Introduction	Parenteurs			3.00000%	
			Propose Agreement Propose agreement	Pateriory Propries	1.89%		a more's	
D.T			Wan	1733-19-5	Prenesio	#F#EEE	##/4£1/E'/	
Geceiv Of O	Produces Service Care	Gelling Agent	Distillant (francisco), historican (Sets	edit eta	10.075	37,813	5,51642%	
		THE RESERVE OF THE PARTY OF THE	Nonitronal Educating	9116-25-0	500%	2.850	0.0025776	
		THE RESERVE NAMED IN	(Gine Oign	Denta Base	30,075	25,587	0.03570%	
			Come Giana Statistical Southername	800.26.76.5	51670	2,638	6.96.757%	

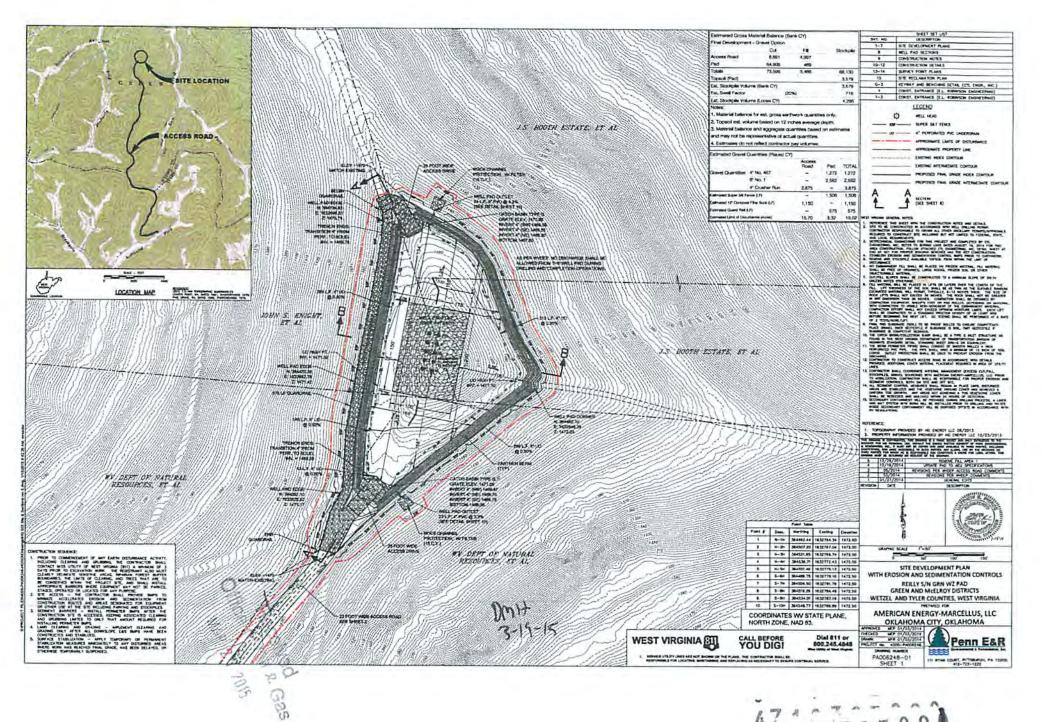
That Water Volline sources may include fresh water, produced water, and/or recycled water after the form of the first on the maximum potential for concentration and thus the total may be over 100%.

All compose information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided in the Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information on an MSDS is subject to 29 CFR 1910.1200(i) and Appendix D.

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SYNCHOL FLESARGAMONDASACTIONS WHEN TO BE A SWINN W. Law \$2000 B ST 5015



Regarding the fill material being removed from Mr. Jerry Booth's property in Wetzel County, WV while constructing American Energy Marcellus' Reilly GRN WTZ Pad, James Martin, Chief of the WVDEP Office of Oil and Gas, spoke with Mr. Jerry Booth via phone asking if Mr. Booth was aware that the material was being taken from his property and used elsewhere. Mr. Booth acknowledged that he is aware of the material being taken from his property and used elsewhere and that he completely amenable.

Taura L. adkenn

Laura Adkins

OOG Permit Reviewer