

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

October 16, 2013

WELL WORK PERMIT

Re-Work

This permit, API Well Number: 47-10901093, issued to ENERVEST OPERATING L. L. C., is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: Y&O COAL #107 (WYO. POCA #

Farm Name: HEARTWOOD FORESTLAND FU

API Well Number: 47-10901093

Permit Type: Re-Work Date Issued: 10/16/2013

Promoting a healthy environment.

PERMIT CONDITIONS

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

CONDITIONS

- 1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 3. Well work activities shall not constitute a hazard to the safety of persons.
- 4. The WR- 35 needs to note the partial plugging of this well addressing the active UIC permit.

Office of Oil and Gas

WV Dept. of Environmental Protection

WW - 2B (Rev. 8/10)

Depths Set

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

		<u>v</u>	VLLL VVOINT L	INVITAL PLIC	109	07	466	
1) Well Operato	or: Ener\	/est Ope	rating, L.L.C.	309999	Wyoming	Slab Fork	McGraws	
				l Operator ID	County	District	Quadrangle	
2) Operator's V	2) Operator's Well Number: Y&O Coal #107 API # 47-109-01093 3) Elevation: 1877'							
4) Well Type: (a	a) Oil	or Ga	as X					
(i	(b) If Gas: Production X / Underground Storage							
	Deep/ Shallow X							
6) Proposed To7) Approximate	6) Proposed Target Formation(s): Ravencliff/Gordon Proposed Target Depth: 1362-1400' 3807'-3637' 6) Proposed Total Depth: 6563 Feet Formation at Proposed Total Depth: Devonian Shale 7) Approximate fresh water strata depths: +- 1130' 8) Approximate salt water depths: +- 1380'							
9) Approximate	coal sea	m depth	s: No Record					
10) Approximat	te void de	epths.(co	al, Karst, other):	None Recorded	i			
11) Does land	11) Does land contain coal seams tributary to active mine? None Recorded 12) Describe proposed well work and fracturing methods in detail (attach additional sheets if needed)							
		<u>-</u>	zone (5710'-6210')			ng zone 4330'-5	400' with cement	
Complete and frac	ture stimula	ate the Go	rdon 3607' to 3637'	and Ravencliff	1362'-1410'.			
13)		<u>C</u>	ASING AND TUI	BING PROGR	<u>AM</u>			
TYPE S	PECIFIC	ATIONS		FOOTAGE	INTERVALS	CEME	NT	
	<u>Size</u>	<u>Grade</u>	Weight per ft	For Drilling	Left in Well	Fill -up (Cu	<u>. Ft.)</u>	
Conductor	20"				20'			
Fresh Water								
Coal						•		
Intermediate	9-5/8"		36#		1094'	509)	
Production	4-1/2"		11.6#		6548'	150	1	
Tubing						3000;	10 al	
Liners						Receit	rea	
Packers: Kind	::::::::::::::::::::::::::::::::::::::	•		•		SEP 16 2	013	
Size	···							

PARTIAL PLUGGIAG

Y&O Coal #107 API# 47-109-01093 Wyoming County, WV RECEIVED
Office of Oil and Gas

OCT 16 2013

WV Department of Environmental Protection

Well Data

Casing: 4-1/2", 11.6# set at 6,548'

Tubing: 2-3/8" with Arrow I-X packer set at 5,691' Disposal Perfs: 5,710' to 6,210' (Lower Devonian Shale)

Prod. Perfs: 4,380' to 4,890' (Upper Devonian Shale) & 5,060' to 5,400' (Middle Devonian Shale)

Proposed new zones: Lower Gordon (3,677' to 3,687')

Upper Gordon (3,607' to 3,617')

Ravencliff (1,362' to 1,374' & 1,400' to 1,410')

Procedure:

1. Pull tubing and packer

- 2. Set cement plug from PBTD to ± 3,800'
- 3. Set CIBP on top of cement plug
- 4. Pressure test casing
- 5. Run new CBL log under pressure
- 6. If bond log allows perform 3 stage foam frac completion for proposed zones
- 7. Flow back frac and clean up N2
- 8. Run tubing in well to + 3,600'
- 9. Turn well in line.

WW-2B1	
(5-12)	

Well No	. Y&O Coal #107	

West Virginia Department of Environmental Protection Office of Oil and Gas

NOTICE TO SURFACE OWNERS

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

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

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

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

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

Certified Laboratory Name Sampling Contractor		Sturm Environmental Services	
Camping Cont	aotoi		
Well Operator	EnerVest Opera	ating, L.L.C.	
Address 300 Capitol Stre		eet, Suite 200	
	Charleston, WV	⁷ 25301	
Telephone	304-343-5505		

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

Received

SEP 1 6 2013

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

FOI: SONAT EXPLORATION CO.

By: Julie Ward
Date: 11/22/89

ھ

Foam and 85,000 lbs 20/40 sand.

Middle Devonian Shale: Perforated 5060-5400'. Pumped 500 gals 9% HCL + 1 gal $\overline{A-200}$ + 5 gal U-42 followed by 1000 gals 25% Methanol + additives. Pumped 100,000 SCF Nitrogen to establish injection at 36,000 SCFM. Frac'd with 59,500 gals Foam and 110,000 lbs 20/40 sand.

Lower Devonian Shale: Perforated 5710-6210'. Pumped 500 gals 9% HCL + 1 gal $\overline{A-200}$ + 5 gal U-42 followed by 1000 gals 25% Methanol + additives. Pumped 160,000 SCF Nitrogen to establish injection. Frac'd with 1000 gal 25% Methanol prepad + 48,000 gals Foam and 70,000 lbs 20/40 sand.

2. The well log which is a systematic detailed geological record of all formations, including coal encountered by the wellbore.

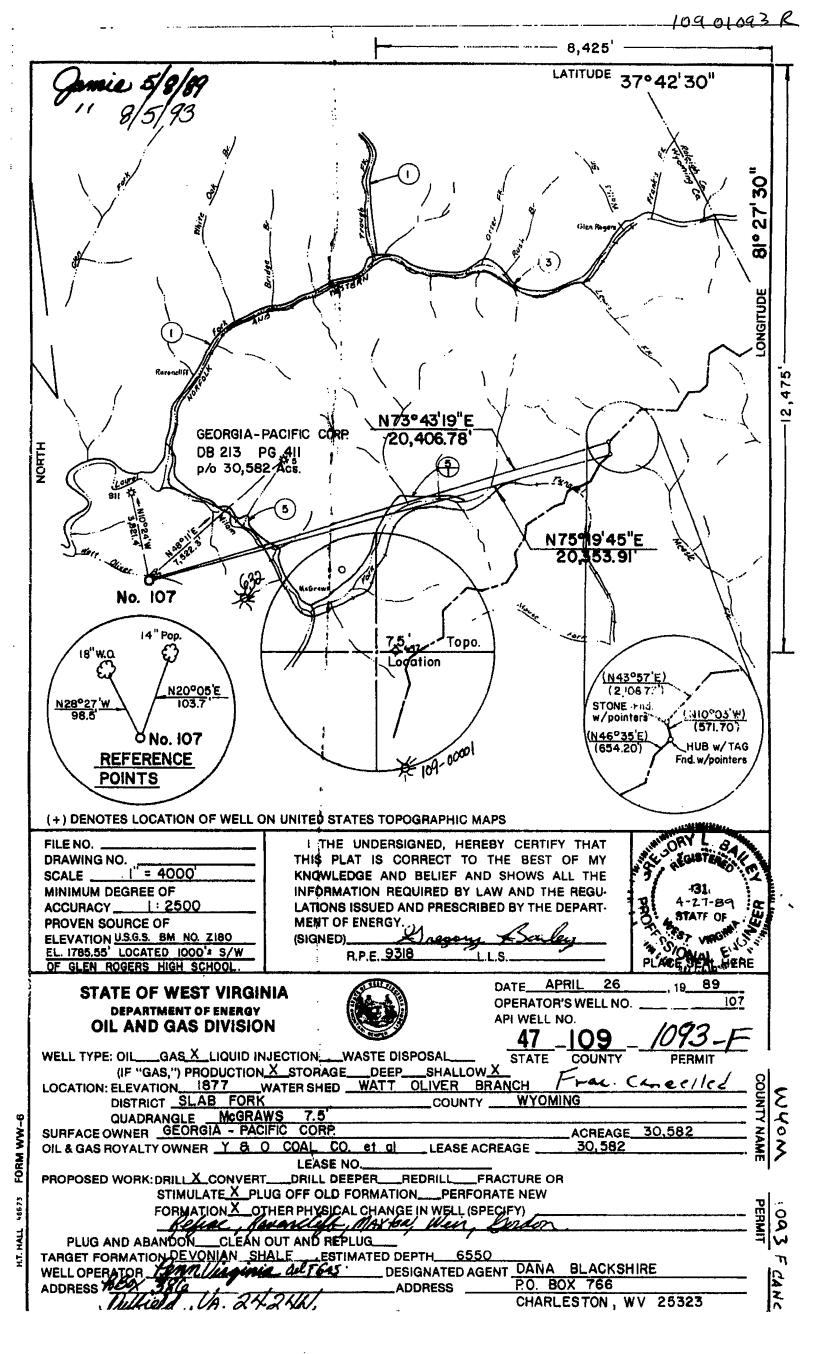
FORMATION ,	TOP FEET	BOTTOM FEET
Princeton	1194'	1244'
Ravencliff	1358'	1414 '
Avis	1422'	1470'
Maxon	2152'	2250 '
Little Lime	2270'	24381
Berera	3456'	34741
Gordon	3598'	36301

Note: Did not run any coal logs.



E "VISION OF O'L & OAS DEPARTMENT OF LINERGY

6818



CK# Z68682 \$65000

WW-2A (Rev. 6-07)

1). Date:	Augu	157	215	2013
			,	

2.) Operator's Well Number

3.) API Well No .:

Y&O Coal #107

State County

47-109

01093

Permit

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

4) Surface Ow	ner(s) to be served	i: /	5) (a) Coal Op	erator		
(a) Name	Heartwood Forestland Fur	nd IV, L.P.	Name	None		
Address	19045 Stone Mountain Rd		Address			
	Abington, VA 24210			Parameter Services		
(b) Name			(b) Coal C	wner(s) with De	eclaration	
Address			Name	No Declaration of R	ecord	
			Address			
(c) Name			Name			
Address	-		Address			
6) Inspector	Ross Eller		(c) Coal L	essee with Dec	laration	
Address	121 Brierhill Drive		Name	Rockhouse Land, L		1/
7 144 1 5 5 5	Beckley, WV 25801		Address	PO Box 1169		
Telephone	304-932-6844			Pikeville, KY 41501	-1169	
relephone		PERSONS NA	MED ABOVE T			
I have re issued under this I certify this application footaining the info	Certified Mail (Publication (No ad and understand C	ce (Affidavit attac Postmarked posi- otice of Publication Chapter 22-6 and that I have persents, and that bast the information	ched) tal receipt attache on attached) d 35 CSR 4, and conally examined ased on my inqui n is true, accurate	ed) I agree to the to and am familiar ry of those individual and complete.	erms and condition with the informatiduals immediately	ons of any permit ion submitted on y responsible for
imprisoriment.		Well Operator	EnerVest Operating, L	L.C.		
		Ву:	Barry K. Lay	Barry	· May	
		Its:	Vice President - Gener	al Manager	0	
		Address	300 Capitol Street, Sui	te 200		
		4	Charleston, WV 25301			
	and the second	Telephone	304-343-5505			
Subscribed and s	sworn before me this	a/52 day of	Hugust		3013	
		John		Notary	Public	1
My Commission Oil and Gas Privacy	NOTICERY PUBLIC	May 3	,2017	ľ	4eceive	3 a —
The Office of Oil and Your personal infor	TATE OF WEST VIRGINIA Gas processes Your pe nation may be disclosed gulatory requirements, in	to other State ager	ncies or third parties	in the normal cour	se of business or as	needed to comply

information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov



EnerVest Operating, L.L.C.

Eastern Division

1064 Old Route 33, Weston, WV 26452-7722 Phone (304) 517-1102 Fax (304) 517-1107

SENT VIA CERTIFIED US MAIL

September 13, 2013

Rockhouse Land, LLC P.O. Box 1169 Pikeville, KY 41501-1169

Re:

Proposed Y&O Coal #107 Re-Work

Slab Fork District, Wyoming County, WV

To Whom It May Concern:

Pursuant to Section 22B-1-9 of the West Virginia Code, enclosed please find copies of the following documents for the subject proposed well:

- Form WW-2A Notice of Application for a Well Work Permit
- Form WW-2A-1 Information Supplied Under WV Code Chapter 22-6-8(d)
- Form WW-2B Application for a well Work Permit (1copy)
- Well Location Plat Certified Copy of WVDEP Well Location Plat
- Form WW-9 Reclamation Plan and Site Registration Application (1 copy)

This application is being filed by EnerVest with the Administrator of the Office of Oil and Gas of the West Virginia Department of Environmental Protection. If you have no objections to the re-work of this well, please sign the Voluntary Statement of No Objection on Form WW-2A and return one copy to our office in the enclosed envelope.

Comments as to the location construction or the proposed well work may, pursuant to Section 22B-1-10 of West Virginia Code, be filed by you with the said Administrator within fifteen (15) days after the Application is filed by EnerVest. The address of the Administrator for the purpose of filing comments and obtaining additional information is:

> Permit Administrator West Virginia Division of Environmental Protection Office of Oil and Gas 601 57th Street Charleston, WV 25301

Received

SEP 1 6 2013

Persons who may file such comments are: (i) the owners of record of the surface of the tract on which the well is or is to be located, and (ii) the owners of record of the surface and Gas WV Dept. of Environmental Protection Persons who may file such comments are: (i) the owners of record of the surface of the tract on which the well is or is to be located, and (ii) the owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if such surface tract is to be utilized for road or other land disturbance described in the Erosion and Sediment Control Plan referred to above; and (iii) except as and when not required by the laws of West Virginia and the rules of the West Virginia Department of Mines, any coal operator operating coal seams beneath the oil and gas leasehold upon which said well is or is to be located as well as the owner(s) and lessee(s), if any of such coal seams.

Each person so entitled to file comments, including yourself, may request notice of the permit decision if and when you file comments and may further request that the Administrator furnish you with a list of persons who are capable and qualified to test water supplies.

We remain available should you have any questions regarding this matter.

Sincerely,

EnerVest Operating, L.L.C.

Jerry L. Jackson, CPL Senior District Landman

Enclosures

cc:

File

9840	(Domestic Mail Only; No Insurant	site at www.usps.com _®
2007 26.80 0.002 26.45	Postage \$ 1.52 Certified Fee 3.10 Return Receipt Fee (Endorsement Required) Restricted Delivery Fee (Endorsement Required) Total Postage & Fees \$ 7.1 Sent To Hispary wood Foass Street, Apt. No.; or PO Box No. 19045 \$200. City, State, ZIP+4 A bing 200, V	E Monatoin Road

Received

SEP 1 6 2013



EnerVest Operating, L.L.C.

Eastern Division

1064 Old Route 33, Weston, WV 26452-7722 Phone (304) 517-1102 Fax (304) 517-1107

SENT VIA CERTIFIED US MAIL

September 13, 2013

Heartwood Forestland Fund IV, L.P. 19045 Stone Mountain Road Abington, VA 24210

Re:

Proposed Y&O Coal #107 Re-Work Slab Fork District, Wyoming County, WV

To Whom It May Concern:

Pursuant to Section 22B-1-9 of the West Virginia Code, enclosed please find copies of the following documents for the subject proposed well:

- Form WW-2A Notice of Application for a Well Work Permit
- Form WW2-B1 Notice To Surface Owners (2 copies)
- Form WW-2A-1 Information Supplied Under WV Code Chapter 22-6-8(d)
- Form WW-2B Application for a well Work Permit (1copy)
- Well Location Plat Certified Copy of WVDEP Well Location Plat
- Form WW-9 Reclamation Plan and Site Registration Application (1 copy)

This application is being filed by EnerVest with the Administrator of the Office of Oil and Gas of the West Virginia Department of Environmental Protection. If you have no objections to the re-work of this well, please sign the Voluntary Statement of No Objection on Form WW-2A and return one copy to our office in the enclosed envelope.

Comments as to the location construction or the proposed well work may, pursuant to Section 22B-1-10 of West Virginia Code, be filed by you with the said Administrator within fifteen (15) days after the Application is filed by EnerVest. The address of the Administrator for the purpose of filing comments and obtaining additional information is:

Permit Administrator
West Virginia Division of Environmental Protection
Office of Oil and Gas
601 57th Street
Charleston, WV 25301

Received

SEP 1 6 2013

Office of Oil and Gas WV Dept. of Environmental Engage tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if such surface tract is to be utilized for road or other land disturbance described in the Erosion and Sediment Control Plan referred to above; and (iii) except as and when not required by the laws of West Virginia and the rules of the West Virginia Department of Mines, any coal operator operating coal seams beneath the oil and gas leasehold upon which said well is or is to be located as well as the owner(s) and lessee(s), if any of such coal seams.

Each person so entitled to file comments, including yourself, may request notice of the permit decision if and when you file comments and may further request that the Administrator furnish you with a list of persons who are capable and qualified to test water supplies.

We remain available should you have any questions regarding this matter.

Sincerely,

EnerVest Operating, L.L.C.

Jerry L. Jackson, CPL Senior District Landman

Enclosures

cc:

File

	J.S. Postal Service TM CERTIFIED MAILTM RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)
111 -	(Domestic Mail Only; No Insuran For delivery information visit our website at www.usps.coms
品	For delivery into the LC A L SE
山上	OFFICE DOCUMENT
카밀	Postage
П	Certified Fee 3.10 / Postmark
7	Return Receipt Fee 2.55 1 201 100
	(Endorsement Required)
	Restricted Delivery Fee (Endorsement Required)
180	Total Postage & Fees \$
디	11116
7	Kock horse
7007	Sireet, Apt. No.: p. 0, Bo 7 1169 or PO Box No. P. 0, Bo 7 1169
1-	Street, Apt. No.: P. O. 1307 1167 or PO Box No. P. O. 1307 1167 City, State, ZIP+4 P. LEWILE, KY 41501-1169 See Reverse for Instructions
	PS. Form 3800, August 2006

Received

SEP 1 6 2013

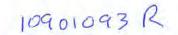
COAL OPERATOR, OWNER, OR LESSEE WAIVER

County Wyoming		
Operator EnerVest Operating, L.L.C.	Operator's Well Number	Y&O Coal #107
INSTRUCTIONS TO C	OAL OPERATOR, OWNER	R, OR LESSEE
To the coal operator, owner, or less any objection you wish to make or are receivith the Chief of the Office of Oil and Gaby the Office. Mail objections to:	United to make by MM Cody	0 77 6 15 16 0 17
Chief, Office of Oil and Gas Department of Environmental Protection 601 57 th St. SE Charleston, WV 25304 (304) 926-0499 extension 1654		
	WAIVER	
The undersigned coal operatorlocation has examined this proposed well location, the well location has been added work proposed to be done at this location requirements of the West Virginia Code at	d to the mine map ex by to the mine map. The und by provided, the well operato	ists which covers the area of well dersigned has no objection to the
FOR EXECUTION BY A NATURAL PERSON	FOR EXEC	CUTION BY A CORPORATION, ETC.
Signature	Company Name By Its ALC	thouse Land LLC, by Rhino Energy Will its Homeger thouse Vice Assilent Date
	Signa	Date

Office of Oi and DRS

CCT Da 33

WV Department of Environmental Protection



INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6, Section 8(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
EnerVest Energy Funds XII-A, L.P.	EnerVest Operating, L.L.C.	12.5%	462/400
EnerVest Energy Institutional Fund XII-WIB, L,P.			
EnerVest Energy Fund XII-WIC, L.P.			

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

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

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

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

Well Operator:	EnerVest Operating, L.L.C.	SEP 1 6 2013	
By:Its:	Barry Kyry	Sr. VP : GM	
	J Q	Office of Oil and Gas	

WW-9 (5/13)

	Page	of	
API Number 47 -			
Operator's We	11 No. Y&O 107		

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name EnerVest O	perating LLC	OP Code	
Watershed (HUC 10) Walt	Oliver Branch of Laurel Fork	Quadrangle McGraws, WV 7.5'	
Elevation_1877	County_Wyoming	District_ Slab Fork	
Do you anticipate using mo	ore than 5,000 bbls of water to complet	te the proposed well work? Yes	No_x
Will a pit be used for drill of	cuttings? Yes No x		
If so, please descri	ibe anticipated pit waste:		
Will a synthetic li	ner be used in the pit? Yes	No If so, what ml.?	
Proposed Disposa	l Method For Treated Pit Wastes:		
-	Reuse (at API NumberOff Site Disposal (Supply form WW-9		
Will closed loop system be	used?		
Drilling medium anticipate	d for this well? Air, freshwater, oil ba	sed, etc	
-If oil based, what	type? Synthetic, petroleum, etc.		
Drill cuttings disposal meth	nod? Leave in pit, landfill, removed of	fsite, etc	
-If left in pit and p	lan to solidify what medium will be us	sed? (cement, lime, sawdust)	
-Landfill or offsite	e name/permit number?		
on August 1, 2005, by the oprovisions of the permit are law or regulation can lead to I certify under perapplication form and all a obtaining the information,	Office of Oil and Gas of the West Virg e enforceable by law. Violations of a conforcement action. In the conforcement action of the conforcement action. In the conforcement action of the conforcement action of the conforcement action. In the conforcement action of the conforcement action of the conforcement action. In the conforcement action of the conforcement action of the conforcement action of the conforcement action of the conforcement action.	nditions of the GENERAL WATER POLLS inia Department of Environmental Protection term or condition of the general permit examined and am familiar with the inform on my inquiry of those individuals immede, accurate, and complete. I am aware they of fine or imprisonment.	on. I understand that the and/or other applicable action submitted on the ediately responsible f
Company Official Title	Vice President - Ge	eneral Manager	
company content the	VICE TIESTACHO GO	Poc	oivad
Subscribed and sworn befo	re me this 312 day of A	ygus7 , 20 /3	CIVCO
Subscribed and sworn belo	han day of 77	Notary Publicates	1 6 2013 SEAL
My commission expires_	May 3, 2017	NOTARY P STATE OF WEST JERROTE A 408 PENNS LV WARPER PORT!	UBLIC VIRGINIA COSPORIO Gas Windaysental Protection

Form	WW-9

Operator's Well No.	V	2	0	107	
Operator's Well No.	•	u	0	101	

Proposed Revegetation Trea	atment: Acres Disturbed 1	Prevegetation pl	6.0
Lime 3	Tons/acre or to correct to	_{pH} 6.5	
	or equivalent) 700	_lbs/acre (500 lbs minimum)	
Mulch 2		ons/acre	
		Seed Mixtures	
Α	rea I		ea II
Seed Type	Ibs/acre	Seed Type	lbs/acre
KY-31	40	Orchard Grass	15
Alsike Clover	10	Alsike Clover	5
Annual Rye	5		
Red Top	2		
Photocopied section of invo	n,pit and proposed area for land	application.	
Drawing(s) of road, location		application.	
Drawing(s) of road, location Photocopied section of invo	lved 7.5' topographic sheet.	application.	
Drawing(s) of road, location Photocopied section of invo	lved 7.5' topographic sheet.	application.	
Drawing(s) of road, location Photocopied section of invo	lved 7.5' topographic sheet.	application.	
Drawing(s) of road, location Photocopied section of invo	lved 7.5' topographic sheet.	application.	
Drawing(s) of road, location Photocopied section of invo	lved 7.5' topographic sheet.	application.	
Drawing(s) of road, location Photocopied section of invo	lved 7.5' topographic sheet.	application.	
Drawing(s) of road, location Photocopied section of invo	lved 7.5' topographic sheet.	Date:	3

Received

SEP 1 6 2013

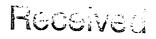
AREA INSTRUCTIONS

WELL NO. Y & O 107

Begin at the intersection of Wyoming County Routes 5 and 1 at Ravencliff, WV and proceed west on Route 1 .8 mile to a bridge on the left. Cross the bridge and follow the existing route as shown on the attached topo map. There is a gate with a lock that you can acquire a key to from Mr. Tom Honaker at the Ravencliff office or by calling 1-304-294-6767.

This road is used to access several wells in the area and is in good condition to the proposed activity.

The proposed activity will require grading on the road and clearing the site of grass and some small brush. Excavation to build the site will not be required. Care MUST be taken to insure that no material enters the small stream next to the site. The access will not require any more than grading to complete this activity. The road drains well and does not have any significant grades.



SEP 1 6 2013

