

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant: EnerVest Operating, L.L.C.)
)
)
Relief Sought: Pooling VC-537193 Nora Grid BP-22)
Nora Coalbed Gas Field)
Legal)
Description:)
Redwine & Culberson T-692 Tract) Docket Number:
200.00 acres, more or less) VGOB-17-0117-4109
Kenady District)
Caney Ridge Quadrangle)
Dickenson County, Virginia)
)
(See Exhibit "A" For Specific)
Description))

APPLICATION

1. Parties: Applicant herein is EnerVest Operating, L.L.C., whose address for the purposes hereof is 406 West Main Street, P. O. Box 2136 Abingdon, Virginia 24212 Telephone: (276) 628-9001. The attorney for Applicant is Timothy E. Scott, MCKINNIS & SCOTT, whose address is 135 West Main Street, Suite 200, Kingsport, Tennessee 37660, Telephone: (423) 247-9376. The unleased entities or persons are listed on Exhibit B-3, attached hereto and made a party hereto. Set forth in Exhibit B is the name and last-known address of each owner of record identified by Applicant as having an interest in the oil, gas and coalbed methane underlying the unit described in Exhibit A, attached hereto and made part hereof. Each of the unleased individuals named in Exhibit B-3 is being made a party if living; if any such individual is deceased, then the unknown heirs, executors, administrators, devisees, trustees and assignees, both immediate and remote, of any such deceased individual are made parties herein. Each of the unleased entities listed in Exhibit B-3 that is a corporation is being made a party if such entity continues to have legal existence, and if any such corporation is dissolved, then the unknown successors, trustees, and assigns, both immediate and remote, of such dissolved corporation are made parties herein. Each of the unleased entities listed in Exhibit B-3 that is an unincorporated association is being made a party if such entity continues to have legal existence, and if any such unincorporated association is dissolved or otherwise not in existence, then the unknown successors, trustees and assigns, both immediate and remote, of such unincorporated association are made parties herein.

2. Allegation of Facts: Applicant is the owner of the right to develop and produce coalbed methane from all formations, from the surface to the total depth drilled within the Nora Coalbed Gas Field and underlying the lands described on Exhibit A attached hereto and made a part hereof and to appropriate the oil, gas and coalbed methane produced therefrom.

(a) Applicant has proposed a plan of development and operation of the Formations underlying the drilling unit involved herein (described and depicted on Exhibit A attached hereto and made a part hereof) and has proposed to commence such plan of development and operation of such unit by a well, designated as well number VC-537193 Nora Grid BP-22 under such plan in the lands involved herein so as to produce oil, gas and coalbed methane from the proposed unit.

- (b) A Well work permit for well number VC-537193 Nora Grid BP-22 is currently or is anticipated to be pending before the Department of Mines, Minerals and Energy.
- (c) Applicant has exercised due diligence to locate each of the oil, gas and coalbed methane interest owners named herein at Exhibit B-3 and has made or is making a bona fide effort to reach an agreement with all unleased parties as to pooling their interest for the development and operation of the well involved herein. Simultaneously with the filing of this application, Applicant has provided notice to each of the unleased parties set forth in Exhibit B-3 pursuant to the provisions of § 45.1-361.19 of the Virginia Code Annotated. Applicant hereby notifies the Board that where the identity or location of any person is shown as "unknown" on Exhibit B-3, then Applicant is unable to provide such person with written notice of the application herein. Conflicting Owners/Claimants in the Subject Drilling Unit are listed in Exhibit E. The interest of all unleased persons in the Formations underlying the drilling unit for well number VC-537193 Nora Grid BP-22 should be pooled for the development and operation thereof.
- (d) Applicant proposes to drill at the permitted location to an approximate depth of 2,324 feet on the Subject Lands to test for oil, gas and coalbed methane in the Subject Formations, including all Pennsylvanian age coals from the top of the Aily, including but not limited to Raven, Jawbone Rider, Jawbone, Tiller, Upper Seaboard, Greasy Creek, Upper Horsepen, Middle Horsepen, War Creek, Beckley, Lower Horsepen, Pocahontas #9, Pocahontas #3, Pocahontas #2, and Pocahontas #1 and any unnamed coal seams and other associated formations known as the Nora Coalbed Gas Field. Applicant estimates the cost for a well to said depth to be \$395,600.00 for a well completed for production. Exhibit C, attached hereto and made part hereof, is Applicant's signed Authorization For Expenditure ("AFE") which shows the estimated cost of drilling, completing and equipping said well.
- (e) The estimated production over the life of the proposed well is 525 mmcf. These figures concerning estimated production and the amount of reserves are, however, estimates only that are not based upon actual production and should not be relied upon for any purpose.

3. Legal Authority: The relief sought by this Application is authorized by Virginia Code Annotated § 45.1-361.21 et seq. and § 4 VAC 25-160-70 et seq.

4. Relief Sought: Applicant requests the Virginia Gas and Oil Board to enter an order pooling all unleased interests or estates of all persons or entities owning oil, gas and coalbed methane interests in the Formations underlying the tracts encompassed by the drilling unit supporting well number VC-537193 Nora Grid BP-22, and (I) authorizing the drilling and operation of a well for the production of oil, gas and coalbed methane from the pooled acreage; (II) designating Applicant as the party authorized to drill and operate such well; (III) prescribing the time, manner, and other conditions under which unleased parties owning an interest in the oil, gas and coalbed methane may elect to participate in the operation of such well, or to exercise their rights of election under the applicable statutes; (IV) providing that all reasonable costs and expenses of drilling, completing, equipping, operating, plugging and abandoning such well shall be borne, and all production therefrom, shared, by all participating parties in the proportion which the acreage in the pooled tracts owned or under lease to each such participating party bears to the total acreage in such unit; and (V) making provision for the payment of all reasonable costs of the operation, including a reasonable supervision fee, to the Applicant by all parties who elect to participate therein or who elect to be carried interest owners.

Dated this 23rd day of December, 2016.

ENERVEST OPERATING, L.L.C



Timothy E. Scott
MCKINNIS & SCOTT
135 West Main Street, Suite 200
Kingsport, Tennessee 37660
(423) 247-9376

VERIFICATION

The foregoing Application to the best of my knowledge, information and belief is true and correct.



Timothy E. Scott

MCKINNIS & SCOTT

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant:	EnerVest Operating, L.L.C.)	
)	
Relief Sought:	Pooling)	
)	
Location:	See Exhibit "A")	Docket No.
Well Number:	VC-537193 Nora Grid BP-22)	VGOB-17-0117-4109
	Nora Coalbed Gas Field)	
)	
Legal)	
Description:	Redwine & Culberson T-692 Tract)	
	200.00 acres, more or less)	
	Kenady District)	
	Caney Ridge Quadrangle)	
	Dickenson County, Virginia)	

NOTICE OF HEARING

HEARING DATE: January 17, 2017
PLACE: Russell County Conference Center
Highland Drive
Lebanon, Virginia
TIME: 9:00 a.m.

COMMONWEALTH OF VIRGINIA: To all unleased persons owning an interest in the oil, gas and coalbed methane in and underlying the unit surrounding VC-537193 Nora Grid BP-22 as described on Exhibit "A" to the Application, which is attached to this Notice, in Dickenson County, Virginia (hereinafter "Subject Lands") and adjacent lands, and in particular to the following persons, their known and unknown heirs, executors, administrators, devisees, trustees, assigns and successors, both immediate and remote:

See attached Exhibit B-3.

NOTICE IS HEREBY GIVEN that the Applicant is requesting that the Virginia Gas and Oil Board (hereinafter "Board") issue an order pooling all the rights, interests, and estates of the unleased persons pursuant to Virginia Code Ann. § 45.1-361.1 et seq. in regard to the drilling, development and production of oil, gas and coalbed methane from drilling unit VC-537193 Nora Grid BP-22, containing approximately 58.77 acres, located on the above-referenced tracts situated approximately 2,780 feet southwest of the intersection of Virginia State Routes 649 and 760 and approximately 2,600 feet west of Dingus Gap in the Kenady District, Caney Ridge Quadrangle of Dickenson County, Virginia.

Applicant requests that the Board issue an order providing as follows:

- a. Pooling all the interests and estates of the persons named herein and their known and unknown heirs, executors, administrators, devisees, trustees, assigns and successors, both immediate and remote, for the drilling, development and production of oil, gas and coalbed methane from the subject drilling unit for the Subject Formations underlying and comprised of the Subject Lands;
- b. Establishing a procedure whereby each person named herein shall have the right to elect (1) to assign or lease his oil, gas and coalbed methane interest in the subject drilling unit to the designated operator; (2) to enter into a voluntary agreement with the designated operator

to share in the operation (including the sharing in all reasonable costs of the drilling of the well and development of the unit) at a rate of payment mutually agreed to by the person making the election hereunder and the designated operator herein; or (3) to share in the operation of the well as a nonparticipating operator on a carried basis after the proceeds allocable to such person's share equal the following:

In the case of a leased tract, 300 percent of the share of the costs allocable to such person's interest; or

In the case of an unleased tract, 200 percent of the share of costs allocable to such person's interest;

c. Providing that any person named herein who does not make a timely written election under the terms of the Order to be entered herein shall be deemed to have leased his oil, gas and coalbed methane interest in the subject drilling unit to the operator designated herein at a rate to be established by the Board;

d. Designating Applicant, EnerVest Operating, L.L.C., as Operator; providing that the Operator shall have the right to drill, develop, produce, market and sell oil, gas and coalbed methane produced from the subject drilling unit; granting the Operator the right to market and sell oil, gas and coalbed methane produced from the subject drilling unit which is attributable to the conflicting claims and interest pooled herein; providing that the Operator shall have an operator's lien on the oil, gas and coalbed methane estate and rights owned or claimed by the unleased persons named herein in the subject drilling unit; and granting the Operator the right to drill at any legal or specially permitted location on the subject drilling unit;

e. Making any necessary provision for the escrow of funds pursuant to Va. Code Ann. § 45.1-361.22;

f. Providing that the Order to be entered herein shall expire two (2) years from the date of its issuance if operations for the development of the subject drilling unit have not commenced by said date; but further providing that if operations have commenced during said two year period, then said order shall remain in effect for so long as operations continue on the subject drilling unit;

g. Providing that the conduct of operations on any tract in the subject drilling unit shall be deemed to be the conduct of operations on all tracts in the drilling unit; and providing that the production allocated to any tract in the pooled drilling unit shall be in the same proportion as the acreage of that tract bears to the total acreage in the drilling unit; and

h. Granting such other relief as is merited by the evidence and is just and equitable, whether or not such relief has been specifically requested herein.

NOTICE IS FURTHER GIVEN that this cause has been set for hearing and the taking of evidence before the Board at **9:00 a.m. on January 17, 2017** at the **Russell County Conference Center, Highland Drive**, Lebanon, Virginia, and that notice will be published as required by the law and the rules of the Board.

NOTICE IS FURTHER GIVEN that you may attend this hearing, with or without an attorney, and offer evidence or state any comments you have. The Board rules require that any written objections you wish to file must be filed with the Board at least 10 days before the hearing. For further information, contact the Virginia Gas and Oil Board, State Gas and Oil Inspector, Department of Mines, Minerals and Energy, Division of Gas and Oil, 135 Highland Drive, Lebanon, Virginia, 24266, (276) 415-9650 or the Applicant at the address shown below.

DATED this 23rd day of December, 2016.

EnerVest Operating, L.L.C.
406 West Main Street
P. O. Box 2136
Abingdon, Virginia 24212



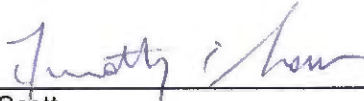
Timothy E. Scott

MCKINNIS & SCOTT,
of Counsel for
EnerVest Operating, L.L.C.
135 West Main Street
Suite 200
Kingsport, Tennessee 37660
(423) 247-9376

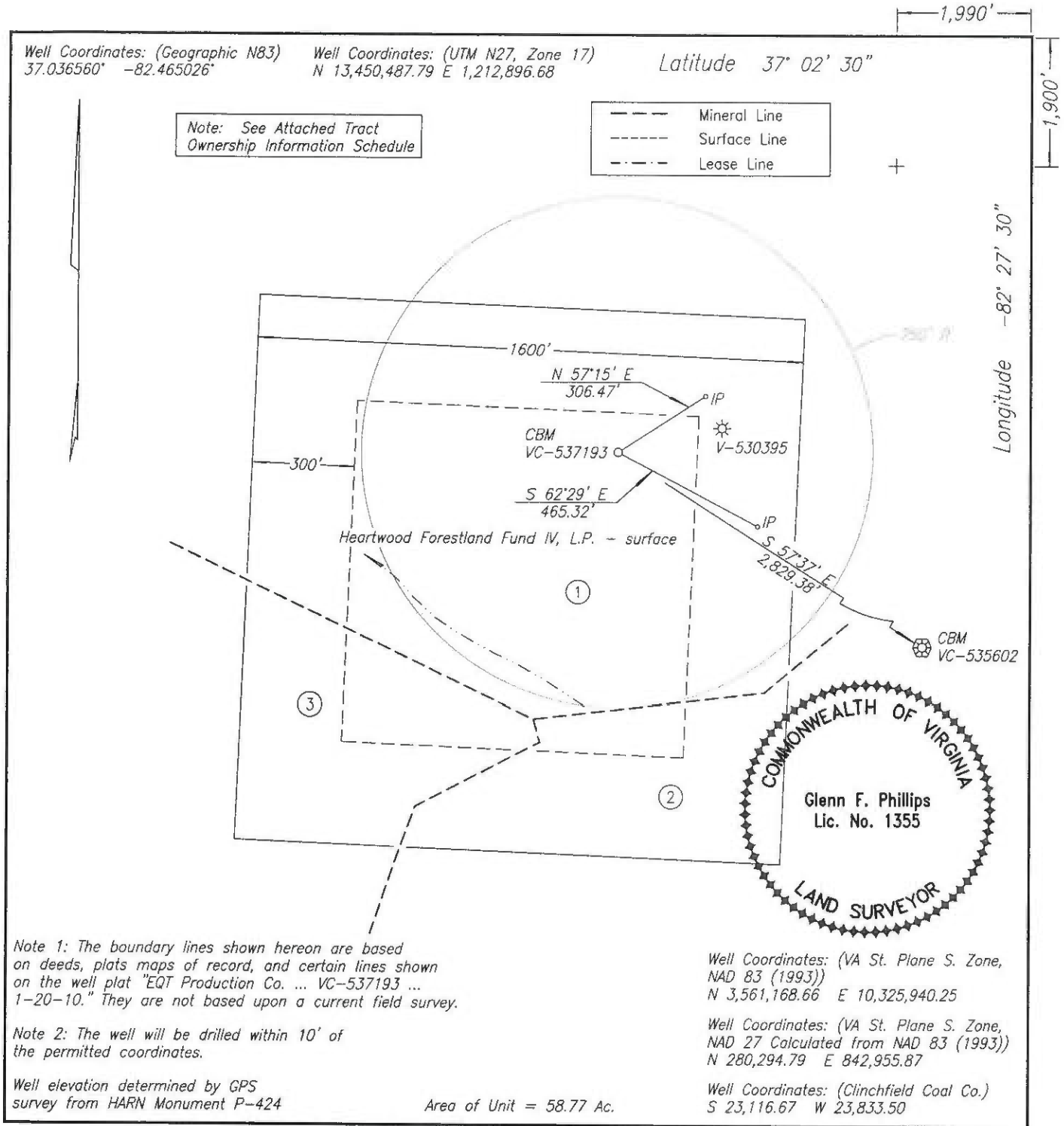
CERTIFICATE OF SERVICE

I, Timothy E. Scott, of Counsel for EnerVest Operating, L.L.C., hereby certify that I have on this, the 23rd day of December, 2016, caused the foregoing notice and application to be served upon parties listed herein, at their address, by certified mail, return receipt requested.

Dated this 23rd day of December, 2016.



Timothy E. Scott
MCKINNIS & SCOTT



WELL LOCATION PLAT NORA GRID BP-22

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER VC-537193
 TRACT NO. T-692 ELEVATION 1,947.47' QUADRANGLE Caney Ridge
 COUNTY Dickenson DISTRICT Kenady SCALE 1" = 400' DATE 10-17-2016

This Plat is a new plat x; an updated plat x; or a final location plat _____
 + Denotes the location of a well on United States topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown.

~~Licensed Professional Engineer or Licensed Land Surveyor~~

Exhibit A

VC-537193 PLAT
TRACT OWNERSHIP INFORMATION SCHEDULE
10/17/2016

- 1 . T-692
Redwine & Culberson
200 Acres
ACIN LLC - coal
Paramont Contura, LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Contura, LLC - coal lessee
EnerVest Energy Institutional Fund XIV-A, L.P., EnerVest Energy Institutional Fund XIV-A1, L.P., &
EnerVest Energy Institutional Fund XIV-WIC, L.P. - oil & gas & CBM
Gas 40.12 Ac. 68.27%

- 2 . DI-38
Daniel Salyer
94.526 Acres
ACIN LLC - coal
Paramont Contura, LLC - coal lessee
KRP Marcellus I, LLC et al. - oil, gas & CBM
Lease No. 904576L or Unleased
EQT Production Company - oil & gas lessee
Gas 9.35 Ac. 15.91%

- 3 . DI-38
Daniel Salyer
94.526 Acres
ACIN LLC - coal
Paramont Contura, LLC - coal lessee
Lease No. 450513526
John Greever Revocable Trust -oil, gas & CBM (1/2 int.)
Joan C. Trivett et al. - oil, gas & CBM (1/2 int.)
± 35 Acres
Gas 9.30 Ac. 15.82%

Exhibit "B"
VC-537193
Docket No. VGOB-17-0117-4109

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Coal Estate Only				
1	EnerVest Energy Institutional Fund XIV-A, L.P. & EnerVest Energy Institutional Fund XIV-WIC, L.P. Attn: Jim McKinney 408 West Main Street Abingdon, VA 24210 Tax # Minerals Only	Owner	68.27000000	40.12000000
2	Tax Card ID - Minerals Only KRP Marcellus I, LLC 777 Taylor Street, Suite 810 Fort Worth, TX 76102	Unleased	6.07030140	3.56739900
	Rivercrest Royalties II, LLC 306 W 7th Street, Suite 888 Fort Worth, TX 76102	Unleased	4.21551360	2.47737600
	Diversified Rox Minerals, LLC C/O MSW Royalties, LLC 301 Commerce Street, Suite 2900 Fort Worth, TX 76102	Unleased	4.13930470	2.43258950
	BRD Royalty Holdings, LLC 2777 Stemmons Freeway, Suite 1133 Dallas, TX 75207	Unleased	0.50912000	0.29920000
	Amon G Carter Foundation PO Box 1036 Fort Worth, TX 76101	Unleased	0.97576030	0.57343550
	Tract 2 Totals		15.91000000	9.35000000
3	Tax Card ID - Minerals Only KRP Marcellus I, LLC 777 Taylor Street, Suite 810 Fort Worth, TX 76102	Unleased	6.03596280	3.54832200
	Rivercrest Royalties II, LLC 306 W 7th Street, Suite 888 Fort Worth, TX 76102	Unleased	4.19166720	2.46412800
	Diversified Rox Minerals, LLC C/O MSW Royalties, LLC 301 Commerce Street, Suite 2900 Fort Worth, TX 76102	Unleased	4.11588940	2.41958100
	BRD Royalty Holdings, LLC 2777 Stemmons Freeway, Suite 1133 Dallas, TX 75207	Unleased	0.50624000	0.29760000
	Amon G Carter Foundation PO Box 1036 Fort Worth, TX 76101	Unleased	0.97024060	0.57036900
	Tract 3 Totals		15.82000000	9.30000000
	TOTAL COAL ESTATE		100.00000000	58.77000000
	Percentage of Unit Leased	68.27000000	40.12000000	
	Percentage of Unit Unleased	31.73000000		
	Acreage in Unit Leased	40.12000000		
	Acreage in Unit Unleased	18.65000000		

Exhibit "B"
VC-537193
Docket No. VGOB-17-0117-4109

Tract	Lessor	Lease Status	Interest Within	Gross Acreage
Gas Estate Only				
1	EnerVest Energy Institutional Fund XIV-A, L.P. & EnerVest Energy Institutional Fund XIV-WIC, L.P. Attn: Jim McKinney 408 West Main Street Abingdon, VA 24210 Tax # Minerals Only	Owner	68.27000000	40.12000000
2	Tax Card ID - Minerals Only KRP Marcellus I, LLC 777 Taylor Street, Suite 810 Fort Worth, TX 76102	Unleased	6.07030140	3.56739900
	Rivercrest Royalties II, LLC 306 W 7th Street, Suite 888 Fort Worth, TX 76102	Unleased	4.21551360	2.47737600
	Diversified Rox Minerals, LLC C/O MSW Royalties, LLC 301 Commerce Street, Suite 2900 Fort Worth, TX 76102	Unleased	4.13930470	2.43258950
	BRD Royalty Holdings, LLC 2777 Stemmons Freeway, Suite 1133 Dallas, TX 75207	Unleased	0.50912000	0.29920000
	Amon G Carter Foundation PO Box 1036 Fort Worth, TX 76101	Unleased	0.97576030	0.57343550
	OR			
	EQT Production Company Attn: Tracy Coyne PO Box 23536 Pittsburgh, PA 15222	Lessee	15.91000000	9.35000000
3	Tax Card ID - Minerals Only Joan C Trivett 462 Hilledge Drive Laguna Beach, CA 92651	Leased	3.95500000	2.32500000
	James C Trivett III 10495 State Route 550 Athens, OH 45701	Leased	1.97750000	1.16250000
	Christina Trivett Russin 21515 81st Street Bristol, WI 53104	Unleased	1.97750000	1.16250000
	John Greever Revocable Trust c/o John Greever 45040 8th Ave NE, Unit 1501	Leased	7.91000000	4.65000000

Seattle, WA 98105

Tract 3 Totals		15.82000000	9.30000000
TOTAL GAS ESTATE		100.00000000	58.77000000
Percentage of Unit Leased	82.11250000		
Percentage of Unit Unleased	17.88750000		
Acreage in Unit Leased	48.25750000		
Acreage in Unit Unleased	10.51250000		

OR - subject to lease agreement between KRP Marcellus I, LLC et al and EQT

Exhibit "B-3"
VC-537193
Docket No. VGOB-17-0117-4109

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
2	Tax Card ID - Minerals Only KRP Marcellus I, LLC 777 Taylor Street, Suite 810 Fort Worth, TX 76102	Unleased	6.07030140	3.56739900
	Rivercrest Royalties II, LLC 306 W 7th Street, Suite 888 Fort Worth, TX 76102	Unleased	4.21551360	2.47737600
	Diversified Rox Minerals, LLC C/O MSW Royalties, LLC 301 Commerce Street, Suite 2900 Fort Worth, TX 76102	Unleased	4.13930470	2.43258950
	BRD Royalty Holdings, LLC 2777 Stemmons Freeway, Suite 1133 Dallas, TX 75207	Unleased	0.50912000	0.29920000
	Amon G Carter Foundation PO Box 1036 Fort Worth, TX 76101	Unleased	0.97576030	0.57343550
	Tract 2 Total		15.91000000	9.35000000
3	Tax Card ID - Minerals Only Christina Trivett Russin 21515 81st Street Bristol, WI 53104	Unleased	1.97750000	1.16250000
	TOTAL GAS ESTATE UNLEASED		17.88750000	10.51250000
Coal Estate Only				
2	Tax Card ID - Minerals Only KRP Marcellus I, LLC 777 Taylor Street, Suite 810 Fort Worth, TX 76102	Unleased	6.07030140	3.56739900
	Rivercrest Royalties II, LLC 306 W 7th Street, Suite 888 Fort Worth, TX 76102	Unleased	4.21551360	2.47737600
	Diversified Rox Minerals, LLC C/O MSW Royalties, LLC 301 Commerce Street, Suite 2900 Fort Worth, TX 76102	Unleased	4.13930470	2.43258950
	BRD Royalty Holdings, LLC 2777 Stemmons Freeway, Suite 1133 Dallas, TX 75207	Unleased	0.50912000	0.29920000
	Amon G Carter Foundation PO Box 1036 Fort Worth, TX 76101	Unleased	0.97576030	0.57343550
	Tract 2 Totals		15.91000000	9.35000000
3	Tax Card ID - Minerals Only KRP Marcellus I, LLC 777 Taylor Street, Suite 810 Fort Worth, TX 76102	Unleased	6.03596280	3.54832200
	Rivercrest Royalties II, LLC 306 W 7th Street, Suite 888 Fort Worth, TX 76102	Unleased	4.19166720	2.46412800
	Diversified Rox Minerals, LLC C/O MSW Royalties, LLC 301 Commerce Street, Suite 2900 Fort Worth, TX 76102	Unleased	4.11588940	2.41958100
	BRD Royalty Holdings, LLC 2777 Stemmons Freeway, Suite 1133 Dallas, TX 75207	Unleased	0.50624000	0.29760000
	Amon G Carter Foundation PO Box 1036 Fort Worth, TX 76101	Unleased	0.97024060	0.57036900
	Tract 3 Totals		15.82000000	9.30000000
	TOTAL COAL ESTATE UNLEASED		31.73000000	18.65000000

Company: EnerVest Operating, LLC.

Virginia Gas And Oil Template – Estimate Authorization For Expenditure (AFE)

AFE # 2016DD0166

Well Name: VC-537193

Location: DICKENSON, VA

Expected Pay Zones: PENNSLVANIA COALS

Proposed Work: DRILL, COMPLETE AND PLACE INTO PRODUCTION

Property # _____ Version # 1

Fields: NDRA FIELD Completed By: TEAM

Operator: EnerVest Operating, LLC. Date: 8/7/2016

Estimated Total Depth: 2,324 FT AAPG Class: DEVELOPMENT

Participant(s): EnerVest Operating, LLC. W/L: 100% Amount: \$327,550

Description	Casing Point	Completion	Total Cost
Leasehold Costs	\$0	\$0	\$0
Permit / Title Opinion / Survey / Insurance	\$5,500	\$0	\$5,500
Building Location/Materials	\$15,000	\$5,000	\$20,000
Roads / Stone / Culverts	\$10,000	\$0	\$10,000
Surface Damages	\$0	\$0	\$0
Drilling - Footage	\$36,700	\$0	\$36,700
Drilling - Mobilization	\$0	\$0	\$0
Drilling - Dayrate	\$1,500	\$0	\$1,500
Mud & Chemicals (Drilling)	\$0	\$0	\$0
Fuel	\$0	\$0	\$0
Cement Services	\$5,500	\$0	\$5,500
Open Hole Logging & Testing	\$2,500	\$6,000	\$8,500
Trucking / Dozer (Drilling)	\$2,000	\$0	\$2,000
Rental Tools & Equipment (Drilling)	\$500	\$0	\$500
Drilling - Bits	\$100	\$0	\$100
Technical Supervision (Drilling)	\$0	\$0	\$0
Fresh Water Hauling (Drilling)	\$2,000	\$0	\$2,000
Overhead Rate	\$4,000	\$1,000	\$7,000
Misc. & Contingencies (Insurance)	\$5,300	\$0	\$5,300
Location Rd/Stone/Culverts	\$0	\$1,000	\$1,000
Trucking / Dozer (Completion)	\$0	\$5,000	\$5,000
Technical Supervision (Completion)	\$0	\$0	\$0
Cased Hole Logging / Perforating	\$0	\$10,000	\$10,000
Stimulation / Fracturing	\$0	\$85,000	\$85,000
Completion Rig	\$0	\$11,000	\$11,000
Reclamation & Damages	\$10,000	\$0	\$10,000
Hair P/L Water / Disposal	\$0	\$0	\$0
Cement Production Casing	\$0	\$10,000	\$10,000
Rental Tools & Equipment (Completion)	\$0	\$4,500	\$4,500
Fresh Water Hauling (Completion)	\$0	\$3,500	\$3,500
Rehabilitator Labor	\$1,500	\$2,000	\$3,500
Environmental & Safety	\$500	\$500	\$1,000
TOTAL INTANGIBLES	\$111,500	\$124,500	\$236,000

Description	Casing Point	Completion	Total Cost
Conductor	\$0	\$700	\$700
20 lb/LB Surface Csg	\$4,800		\$4,800
18 lb/LB Intermediate Csg			\$0
4 1/2" 5.5 lb/LB M-55 Production Csg		\$11,200	\$11,200
4 1/2" 10.5 lb/LB M-55 Production Csg			\$0
2-5/8" 4.7 lb/LB J55 3rd Production Tubing		\$5,700	\$5,700
Wire Head Equipment / Fittings	\$2,400	\$10,200	\$12,600
Yack Battery		\$7,500	\$7,500
Separator / Heater / Treater		\$8,000	\$8,000
Gas Lift Equipment		\$0	\$0
Road / Bluffing Box		\$3,500	\$3,500
Downhole Pump		\$1,500	\$1,500
Pumping Unit / Motor		\$10,000	\$10,000
Electric Service & Equipment		\$18,000	\$18,000
Valves & Fittings		\$0	\$0
Flow Line Labor/Material		\$3,000	\$3,000
Sales Line Information		\$9,550	\$9,550
TOTAL TANGIBLES	\$7,200	\$83,550	\$91,450

GRAND TOTAL WELL COST \$118,500 \$208,050 \$327,550

Plugging & Abandonment \$30,000

Production Costs: \$327,550 Dry Hole Costs: \$148,500

Operations: *[Signature]* Date: 12/14/16

Engineering: *[Signature]* Date: 12/14/16

Geology: *[Signature]* Date: 12/14/16

Land: *[Signature]* Date: 12/14/2016

THIS AN ESTIMATE OF PROJECTIONS. THE WELL LOGGING OR ESTIMATE MAY BE SUBJECT TO CHANGE. THE OPERATOR AND PARTICIPANTS ARE NOT RESPONSIBLE FOR THE ACCURACY OF THE ESTIMATE. THE OPERATOR AND PARTICIPANTS SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE ESTIMATE. THE OPERATOR AND PARTICIPANTS SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE ESTIMATE. THE OPERATOR AND PARTICIPANTS SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE ESTIMATE.

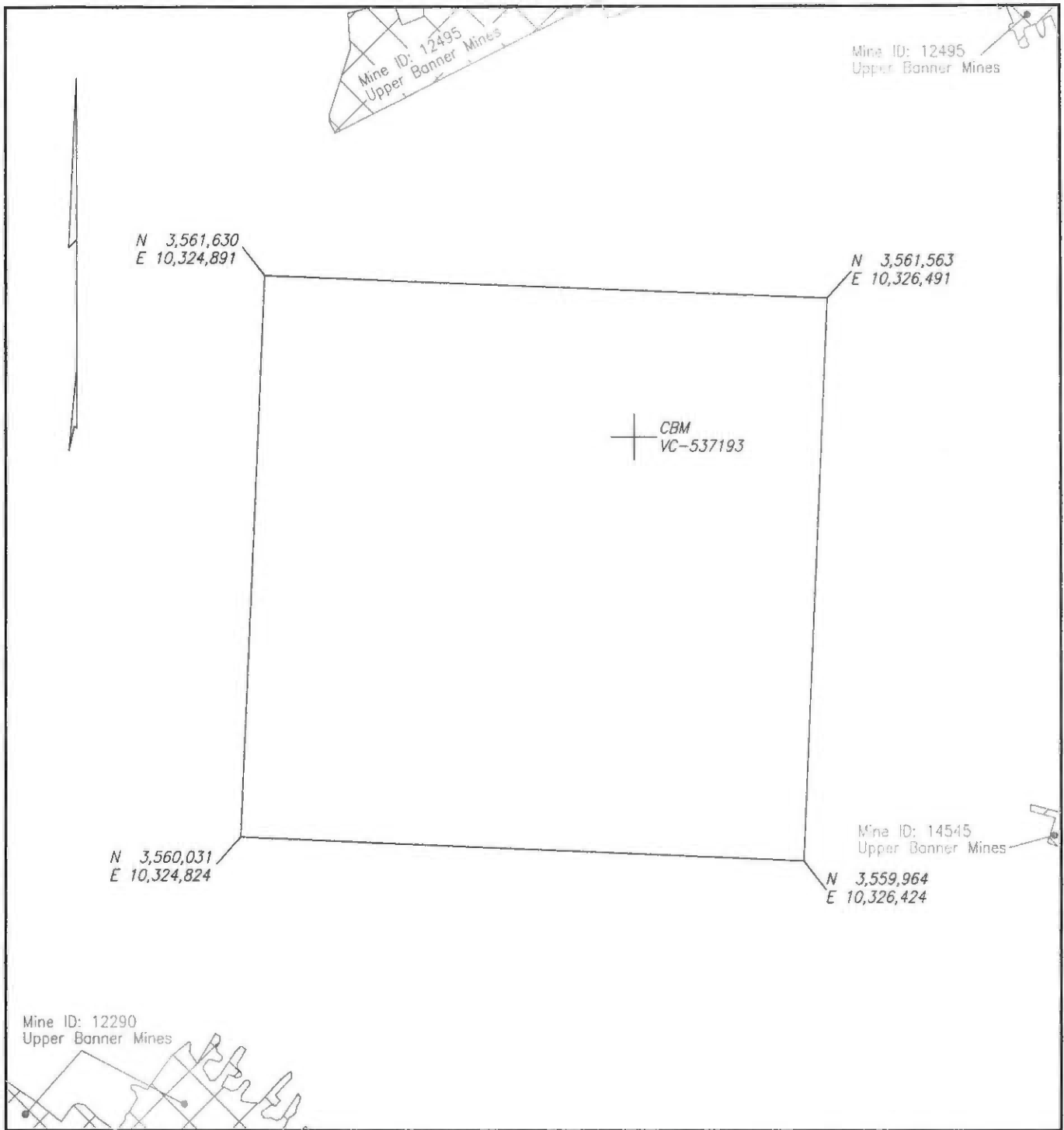
Exhibit C

Exhibit "E" - Escrow Owners

VC-537193

Docket No. VGOB-17-0117-4109

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate				
2	Tax Card ID - Minerals Only KRP Marcellus I, LLC 777 Taylor Street, Suite 810 Fort Worth, TX 76102	Unleased	6.03596280	3.54832200
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	BRD Royalty Holdings, LLC 2777 Stemmons Freeway, Suite 1133 Dallas, TX 75207	Unleased	0.50624000	0.29760000
	Amon G Carter Foundation PO Box 1036 Fort Worth, TX 76101	Unleased	0.97024060	0.57036900
	Tract 3 Totals		15.82000000	9.30000000
	OR			
	EQT Production Company Attn: Tracy Coyne PO Box 23536 Pittsburgh, PA 15222	Lessee	15.91000000	9.35000000
	TOTAL GAS ESTATE		15.82000000	9.30000000



WELL & MINE LOCATION MAP NORA GRID BP-22

COMPANY Range Resources-Pine Mountain, Inc. WELL NAME AND NUMBER VC-537193
 QUADRANGLE Caney Ridge PERMIT NO. _____ SCALE 1" = 400' DATE 3-02-2015

NOTE: The mine locations are approximate locations taken from downloaded DMME data.
 The maps are to be used for anticipated drilling hazards only.

Exhibit L