

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant:	EnerVest Operating, L.L.C.)	
)	
)	
Relief Sought:	Pooling VC-503367 Nora Grid AU-48)	
	Nora Coalbed Gas Field)	
Legal)	
Description:)	
	W.L. Counts Tract T2-196)	Docket Number:
	126.00 acres, more or less)	VGOB-19-0416-4206
	Ervington District)	
	Haysi 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 408 West Main Street, Abingdon, Virginia 24210 Telephone: (276) 628-9001. The attorney for Applicant is Timothy E. 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-503367 Nora Grid AU-48 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-503367 Nora Grid AU-48 is currently or is anticipated to be pending before the Department of Mines, Minerals and Energy.

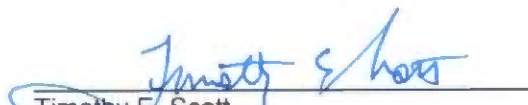
- (c) Applicant has exercised due diligence to locate each of the oil, gas and coalbed methane interest owners named herein at Exhibit B-3 and has made or is making a bona fide effort to reach an agreement with all unleased parties as to pooling their interest for the development and operation of the 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-503367 Nora Grid AU-48 should be pooled for the development and operation thereof.
- (d) Applicant proposes to drill at the permitted location to an approximate depth of 2,520 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 \$475,900.00 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 830 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-503367 Nora Grid AU-48, 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 15th day of March, 2019.

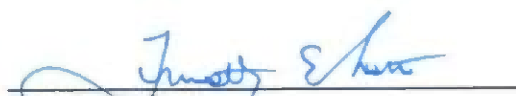
ENERVEST OPERATING, L.L.C



Timothy E. 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

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

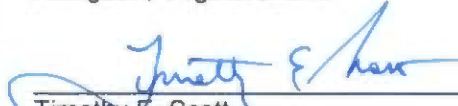
h. Granting such other relief as is merited by the evidence and is just and equitable, whether or not such relief has been specifically requested herein.

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 April 16, 2019** 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 15th of March, 2019.

EnerVest Operating, L.L.C.
408 West Main Street
Abingdon, Virginia 24212



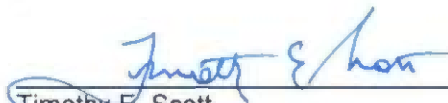
Timothy E. Scott

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

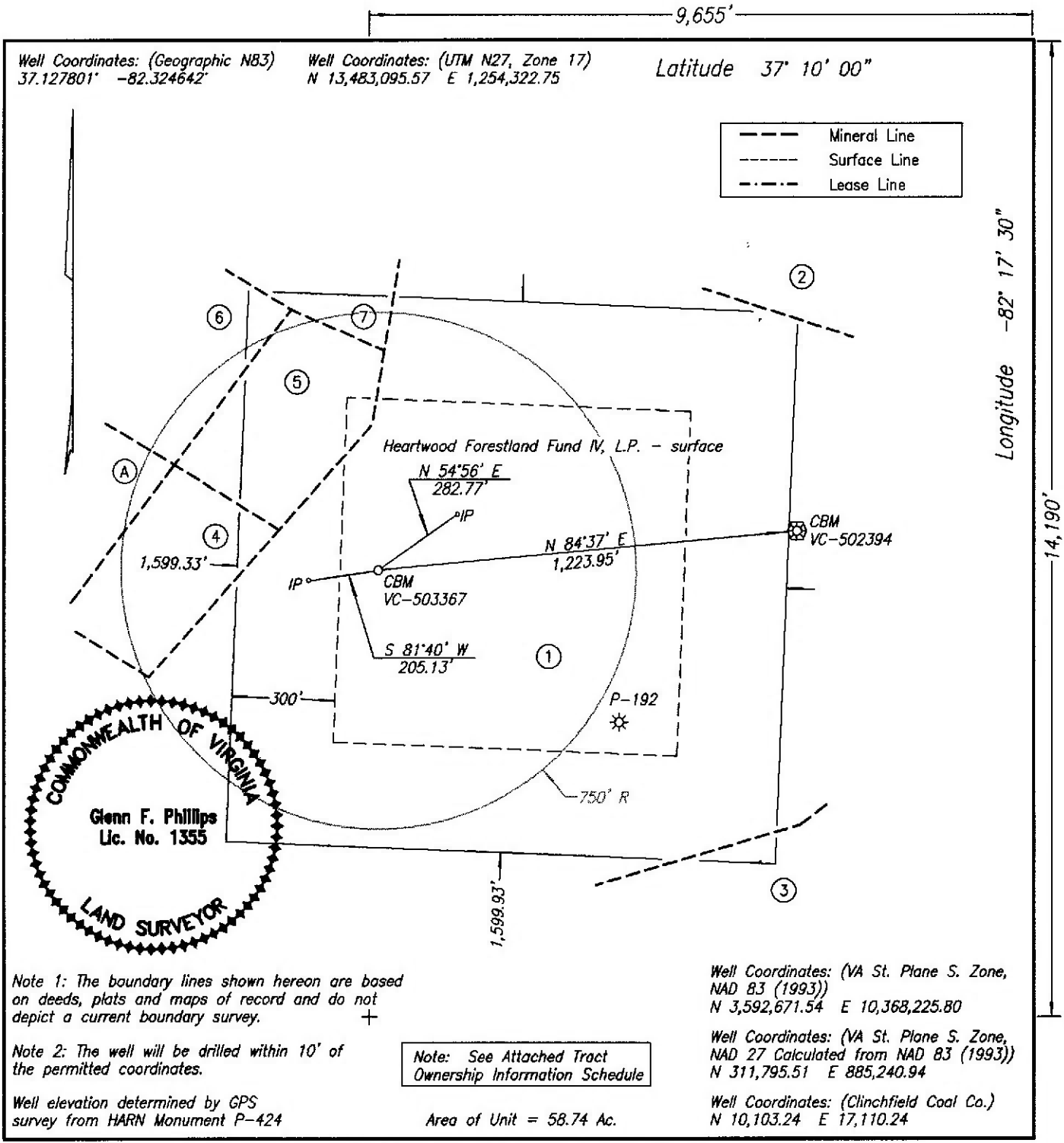
CERTIFICATE OF SERVICE

I, Timothy E. Scott, counsel for EnerVest Operating, L.L.C., hereby certify that I have on this, the 15th day of March, 2019, caused the foregoing notice and application to be served upon parties listed herein, at their address, by certified mail, return receipt requested.

Dated this 15th day of March, 2019.



Timothy E. Scott



WELL LOCATION PLAT NORA GRID AU-48

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER VC-503367
 TRACT NO. W.L. Counts ELEVATION 1,960.59' QUADRANGLE Haysi
 COUNTY Dickenson DISTRICT Ervinton SCALE 1" = 400' DATE 3-4-2019

This Plat is a new plat x; an updated plat ; 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.

VC-503367 PLAT
TRACT OWNERSHIP INFORMATION SCHEDULE
3/4/2019

- 1 . T2-196
W.L. Counts
126 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 53.01 Ac. 90.24%

- 2 . T-246
Noah Counts
227.8 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 0.01 Ac. 0.02%

- 3 . T-115
Rainwater Ramsey
1,303 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 0.30 Ac. 0.51%

- 4 . W.L. Counts
154.71 Acres
ACIN LLC - coal
Paramont Contura, LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Contura, LLC - coal lessee
Unleased
James Alton Rasnick - oil, gas & CBM
5.00 Acres
Gas 0.28 Ac. 0.48%

- 5 . W.L. Counts
154.71 Acres
ACIN LLC - coal
Paramont Contura, LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Contura, LLC - coal lessee
Unleased
Johnny Mack and Lisa Rasnick - oil, gas & CBM
5.00 Acres
Gas 4.03 Ac. 6.86%

EXHIBIT A

6 . W.L. Counts
154.71 Acres
ACIN LLC - coal
Paramont Contura, LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Contura, LLC - coal lessee
Lease No. 967889
Denise Jean and Patrick Shirley - oil, gas & CBM
5.00 Acres
Gas 0.36 Ac. 0.61%

7 . W.L. Counts
154.71 Acres
ACIN LLC - coal
Paramont Contura, LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Contura, LLC - coal lessee
Lease No. 450511833
Roy Ray Rasnick - oil, gas & CBM
6.00 Acres
Gas 0.75 Ac. 1.28%

A . W.L. Counts
154.71 Acres
ACIN LLC - coal
Paramont Contura, LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Contura, LLC - coal lessee
Unleased
Colleen Faith and Bruce Hinsley - oil, gas & CBM
5.00 Acres

Exhibit "B"
VC-503367

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: Kevin Miller 408 West Main Street Abingdon, VA 24210 <i>Tax ID - Minerals Only</i>	Owner	90.24000000	53.01000000
2	EnerVest Energy Institutional Fund XIV-A, L.P. & EnerVest Energy Institutional Fund XIV-WIC, L.P. Attn: Kevin Miller 408 West Main Street Abingdon, VA 24210 <i>Tax ID - Minerals Only</i>	Owner	0.02000000	0.01000000
3	EnerVest Energy Institutional Fund XIV-A, L.P. & EnerVest Energy Institutional Fund XIV-WIC, L.P. Attn: Kevin Miller 408 West Main Street Abingdon, VA 24210 <i>Tax ID - Minerals Only</i>	Owner	0.51000000	0.30000000
4	EnerVest Energy Institutional Fund XIV-A, L.P. & EnerVest Energy Institutional Fund XIV-WIC, L.P. Attn: Kevin Miller 408 West Main Street Abingdon, VA 24210 <i>Tax ID - Minerals Only</i>	Owner	0.48000000	0.28000000
5	EnerVest Energy Institutional Fund XIV-A, L.P. & EnerVest Energy Institutional Fund XIV-WIC, L.P. Attn: Kevin Miller 408 West Main Street Abingdon, VA 24210 <i>Tax ID - Minerals Only</i>	Owner	6.86000000	4.03000000
6	EnerVest Energy Institutional Fund XIV-A, L.P.	Owner	0.61000000	0.36000000

& EnerVest Energy Institutional Fund XIV-WIC, L.P.
 Attn: Kevin Miller
 408 West Main Street
 Abingdon, VA 24210
Tax ID - Minerals Only

7	EnerVest Energy Institutional Fund XIV-A, L.P. & EnerVest Energy Institutional Fund XIV-WIC, L.P. Attn: Kevin Miller 408 West Main Street Abingdon, VA 24210 <i>Tax ID - Minerals Only</i>	Owner	1.28000000	0.75000000
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TOTAL GAS ESTATE	100.00000000	58.74000000
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Percentage of Unit Leased	100.00000000
Percentage of Unit Unleased	0.00000000
Acreage in Unit Leased	58.74000000
Acreage in Unit Unleased	58.74000000

Exhibit "B"
VC-503367

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
1	EnerVest Energy Institutional Fund XIV-A, L.P. & EnerVest Energy Institutional Fund XIV-WIC, L.P. Attn: Kevin Miller 408 West Main Street Abingdon, VA 24210 Tax ID - 21024	Owner	90.24000000	53.01000000
2	EnerVest Energy Institutional Fund XIV-A, L.P. & EnerVest Energy Institutional Fund XIV-WIC, L.P. Attn: Kevin Miller 408 West Main Street Abingdon, VA 24210 Tax ID - 20426	Owner	0.02000000	0.01000000
3	EnerVest Energy Institutional Fund XIV-A, L.P. & EnerVest Energy Institutional Fund XIV-WIC, L.P. Attn: Kevin Miller 408 West Main Street Abingdon, VA 24210 Tax ID - 20725	Owner	0.51000000	0.30000000
4	James Alton Rasnick C/O Alton Rasnick 5404 Dog Branch Gap Road Clinchco, VA 24226 Tax ID - 10319	Unleased	0.48000000	0.28000000
5	Johnny M & Lisa Rasnick C/O Lisa Rasnick 2025 Woodbine Street Kingsport, TN 37660 Tax ID - 1826995	Unleased	6.86000000	4.03000000
6	Denise J & Patrick Shirley C/O Alton Rasnick 5404 Dog Branch Gap Road	Leased	0.61000000	0.36000000

Clinchco, VA 24226
Tax ID - 1826994

7	Roy Ray Rasnick C/O Alton Rasnick 5404 Dog Branch Gap Road Clinchco, VA 24226 Tax ID - 10318	Unleased	1.28000000	0.75000000
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TOTAL GAS ESTATE			100.00000000	58.74000000
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Percentage of Unit Leased	91.38000000
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Percentage of Unit Unleased	8.62000000
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Acreage in Unit Leased	53.68000000
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Acreage in Unit Unleased	5.06000000
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Exhibit "B-3"
VC-503367

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
4	James Alton Rasnick C/O Alton Rasnick 5404 Dog Branch Gap Road Clinchco, VA 24226 <i>Tax ID - 10319</i>	Unleased	0.48000000	0.28000000
5	Johnny M & Lisa Rasnick C/O Lisa Rasnick 2025 Woodbine Street Kingsport, TN 37660 <i>Tax ID - 1826995</i>	Unleased	6.86000000	4.03000000
7	Roy Ray Rasnick C/O Alton Rasnick 5404 Dog Branch Gap Road Clinchco, VA 24226 <i>Tax ID - 10318</i>	Unleased	1.28000000	0.75000000
TOTAL GAS ESTATE			8.62000000	5.06000000

Company: EnerVest Operating, LLC.

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

AFE #

Well Name: VC-503367

Location: Dickenson, VA

Expected Pay Zones: PENNSLVANIA COALS

Proposed Work: DRILL, COMPLETE AND PLACE INTO PRODUCTION

Property #

Version # 1

Field: NORA FIELD

Completed By: TEAM

Operator: EnerVest Operating, LLC.

Date: 1/30/2019

Estimated Total Depth: 2,520 FT

AAPG Class: DEVELOPMENT

Participant(s): EnerVest Operating, LLC.

Amount: \$475,900

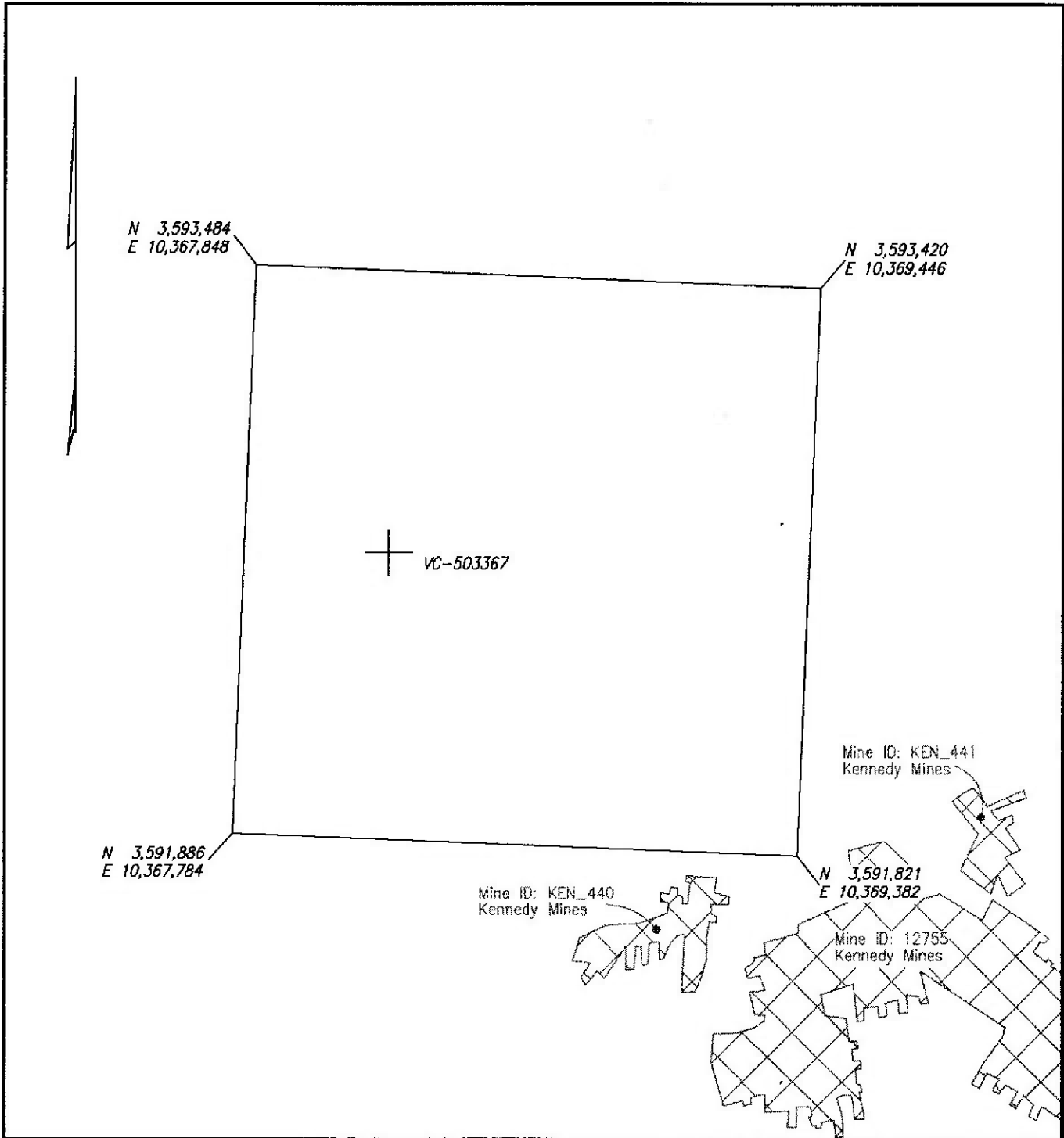
Description	Casing Point	Completion	Total Cost
Roads / Stone / Culverts	\$11,000	\$0	\$11,000
Location Rds/Stone/Culverts	\$0	\$1,000	\$1,000
Building Location/Materials	\$33,000	\$2,000	\$35,000
Reclamation & Damages	\$12,000	\$0	\$12,000
Surface Damages	\$0	\$0	\$0
Permit / Title Opinion / Survey / Insurance	\$6,000	\$0	\$6,000
Drilling - Dayrate	\$0	\$0	\$0
Drilling - Footage	\$32,100	\$0	\$32,100
Completion Rig	\$0	\$7,000	\$7,000
I Drilling - Bits	\$0	\$1,500	\$1,500
N Mud & Chemicals (Drilling)	\$0	\$700	\$700
T Fresh Water Hauling (Completion)	\$0	\$3,600	\$3,600
A Cement Production Casing	\$0	\$11,000	\$11,000
N Trucking / Dozer (Completion)	\$0	\$5,500	\$5,500
G Cement Services	\$6,200	\$0	\$6,200
I Trucking / Dozer (Drilling)	\$1,900	\$0	\$1,900
B Rental Tools & Equipment (Completion)	\$0	\$3,800	\$3,800
L Fresh Water Hauling (Drilling)	\$1,700	\$0	\$1,700
E Cased Hole Logging / Perforating	\$0	\$17,500	\$17,500
S Rental Tools & Equipment (Drilling)	\$0	\$0	\$0
Open Hole Logging & Testing	\$2,300	\$3,500	\$5,800
Stimulation / Fracturing	\$0	\$95,000	\$95,000
Roustabout Labor	\$1,700	\$2,900	\$4,600
Overhead Rate	\$6,000	\$1,000	\$7,000
Misc. & Contingencies (Insurance)	\$300	\$0	\$300
Haul Pit Water / Disposal	\$0	\$2,900	\$2,900
Drilling - Mobilization	\$0	\$0	\$0
Fuel	\$1,000	\$0	\$1,000
Technical Supervision (Drilling)	\$0	\$0	\$0
Technical Supervision (Completion)	\$0	\$0	\$0
Environmental & Safety	\$600	\$500	\$1,100
TOTAL INTANGIBLES	\$115,800	\$159,400	\$275,200

Description	Casing Point	Completion	Total Cost
T " Conductor Ft	\$1,100	\$0	\$1,100
A " 26 lb/ft LS Surface Csg Ft	\$3,900	\$0	\$3,900
N " 19 lb/ft LS Intermediate Csg Ft	\$0	\$0	\$0
G 4 1/2" 9.5 lb/ft M-65 Production Csg Ft	\$0	\$113,000	\$113,000
I Wellhead Equipment / Fittings	\$1,600	\$10,000	\$11,600
B 2-3/8 " 4.7 lb/ft J55 8rd Production Tubing Ft	\$0	\$6,800	\$6,800
L Rods / Stuffing Box	\$0	\$2,900	\$2,900
E Downhole Pump	\$0	\$1,700	\$1,700
S Electric Service & Equipment	\$0	\$24,000	\$24,000
Separator / Heater / Treater	\$0	\$5,800	\$5,800
4 1/2" 10.5 lb/ft M-65 Production Csg Ft	\$0	\$0	\$0
Gas Lift Equipment	\$0	\$0	\$0
Pumping Unit / Motor	\$0	\$8,050	\$8,050
Sales line labor/mat/row	\$0	\$3,650	\$3,650
Professional Services	\$0	\$0	\$0
TOTAL TANGIBLES	\$6,600	\$194,100	\$200,700

GRAND TOTAL WELL COST	\$122,400	\$353,500	\$475,900
Plugging & Abandonment	\$30,000		
Production Costs :	\$475,900	Dry Hole Costs :	\$152,400

Operations	<i>C.M. Randolph</i>	Date	<i>3/11/19</i>
Engineering	<i>Tom Lash</i>	Date	<i>3/11/2019</i>
Geology	<i>Jim Coffey</i>	Date	<i>3/11/2019</i>
Land	<i>Charles Shess</i>	Date	<i>3/11/2019</i>

THIS IS AN ESTIMATE OF PROJECTED WELL DRILLING, COMPLETION, EQUIPMENT AND PIPELINE COSTS. THESE ESTIMATES ARE PROJECTIONS ONLY AND ACTUAL BILLED COSTS MAY VARY FROM WELL TO WELL DEPENDING UPON ACTUAL FINAL DEPTH AND OTHER FACTORS INCLUDING, BUT NOT LIMITED TO, SEASONAL MATERIAL COSTS, WEATHER CONDITIONS, AND UNFORESEEN RIGHT-OF-WAY PROBLEMS.



WELL & MINE LOCATION MAP NORA GRID AU-48

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER VC-503367
 QUADRANGLE Haysi PERMIT NO. _____ SCALE 1" = 400' DATE 3-4-2019

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