

VIRGINIA DEPARTMENT OF ENERGY

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant:	EnerVest Operating, L.L.C.	)	
		)	
		)	
Relief Sought:	Pooling VC-600001 Nora Grid 77-BA	)	
	Nora Coalbed Gas Field	)	
Legal		)	
Description:		)	
	John Duty TC-222 Tract	)	Docket Number:
	1,070.81 acres, more or less	)	VGOB-23-0321-4256
	Ervinton District	)	
	Duty 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 24212 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-600001 Nora Grid 77-BA 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-600001 Nora Grid 77-BA is currently or is anticipated to be pending before the Virginia Department of 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 § 45.2-1618 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. The interest of all unleased persons in the Formations underlying the drilling unit for well number VC-600001 Nora 77-BA should be pooled for the development and operation thereof.
- (d) Applicant proposes to drill at the permitted location to an approximate depth of 2,450 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 \$669,189.00 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 § 45.2-1620 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-600001 Nora Grid 77-BA, 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 17th day of February, 2023.

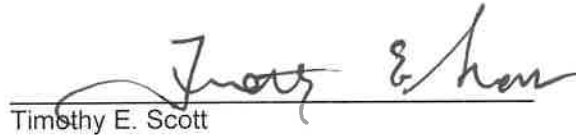
ENERVEST OPERATING, L.L.C

A handwritten signature in black ink, appearing to read "Timothy E. Scott", written over a horizontal line.

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.

A handwritten signature in black ink, appearing to read "Timothy E. Scott", written over a horizontal line.

Timothy E. Scott

VIRGINIA DEPARTMENT OF ENERGY
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-600001 Nora Grid 77-BA	)	VGOB-23-0321-4256
	Nora Coalbed Gas Field	)	
		)	
Legal		)	
Description:	John Duty TC-222 Tract	)	
	1,070.81 acres, more or less	)	
	Ervinton District	)	
	Duty Quadrangle	)	
	Dickenson County, Virginia	)	

NOTICE OF HEARING

HEARING DATE: March 21, 2023
PLACE: 3405 Mountain Empire Rd, Big Stone Gap, VA
24219
Virginia Department of Energy website
TIME: 10:00 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-600001 Nora Grid 77-BA 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. § 45.2-1600 et seq. in regard to the drilling, development and production of oil, gas and coalbed methane from drilling unit VC-600001 Nora Grid 77-BA containing approximately 58.77 acres, located on the above-referenced tracts situated approximately 1,600 feet northwest of the intersection of Virginia State Routes 602 and 688 and approximately 4,000 feet southwest of the intersection of Virginia State Routes 80 and 642 in the Ervinton District, Duty 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 re-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. § 45.2-1622;

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.

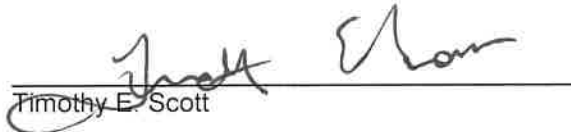
NOTICE IS FURTHER GIVEN that this cause has been set for hearing and the taking of evidence before the Board at **10:00 a.m. on March 21, 2023** at 3405 Mountain Empire Rd, Big Stone Gap, VA 24219 website and that notice will be published as required by the law and the rules of the Board.

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, Virginia

Department of Energy, Division of Gas and Oil, 3405 Mountain Empire Rd, Big Stone Gap, VA 24219, (276) 523-8100 or the Applicant at the address shown below.

DATED this 17th day of February, 2023.

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 17th day of February, 2023, caused the foregoing notice and application to be served upon parties listed herein, at their address, by certified mail, return receipt requested.

Dated this 17th day of February, 2023.



Timothy E. Scott

- ① TC-222
John Duty
1070.81 Acres
ACIN LLC - coal
Paramont Contura, LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Contura, LLC - coal lessee
EnerVest XIV-A Nora LLC., EnerVest Energy Institutional Fund XIV-1A, L.P. &
EnerVest XIV-WIC Nora LLC - (CBM)
Lease No. 10001020
MGM Methane Corp. - oil & gas (CBM)
22.00 Acres (P/O 764.25 Acres)
Gas 24.07 Ac. 40.96%
- ② TC-222
John Duty
1070.81 Acres
ACIN LLC - coal
Paramont Contura, LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Contura, LLC - coal lessee
EnerVest XIV-A Nora LLC., EnerVest Energy Institutional Fund XIV-1A, L.P. &
EnerVest XIV-WIC Nora LLC - (CBM)
Lease No. 10001020
MGM Methane Corp. - oil & gas (CBM)
40.25 Acres (P/O 764.25 Acres)
Gas 2.69 Ac. 4.52%
- ③ TC-222
John Duty
1070.81 Acres
ACIN LLC - coal
Paramont Contura, LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Contura, LLC - coal lessee
EnerVest XIV-A Nora LLC., EnerVest Energy Institutional Fund XIV-1A, L.P. &
EnerVest XIV-WIC Nora LLC - (CBM)
Lease No. 10001020 Partially Leased
MGM Methane Corp. et al. - oil & gas (CBM)
200.00 Acres (P/O 764.25 Acres)
Gas 30.78 Ac. 52.37%
- ④ TC-222
John Duty
1070.81 Acres
ACIN LLC - coal
Paramont Contura, LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Contura, LLC - coal lessee
EnerVest XIV-A Nora LLC., EnerVest Energy Institutional Fund XIV-1A, L.P. &
EnerVest XIV-WIC Nora LLC - (CBM)
Unleased
Roosevelt Sullivan Heirs, et al. -oil & gas (CBM)
35 Acres
Gas 0.92 Ac. 1.56%
- ⑤ Unleased
Roosevelt Sullivan Heirs, et al- coal, oil, & gas (CBM)
35 Acres
Gas 0.31 Ac. 0.53%

Exhibit "B"
VC-600001
23-0321-4256
2/9/2023

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
1	<i>Tax ID - Minerals Only</i> MGM Methane Corp. ATTN: James Rasnake P.O. Box 830 Grundy, VA 24616	Leased	40.96000000	24.07000000
2	<i>Tax ID - Minerals Only</i> MGM Methane Corp. ATTN: James Rasnake P.O. Box 830 Grundy, VA 24616	Leased	4.52000000	2.69000000
3	<i>Tax ID - Minerals Only</i> MGM Methane Corp. ATTN: James Rasnake P.O. Box 830 Grundy, VA 24616	Leased	14.54722222	8.55000000
	<u>Nancy Duty Heirs</u> Robert Arrington Unknown/Unlocatable	Unleased	11.63777778	6.84000000
	Sarah Arrington Unknown/Unlocatable	Unleased	5.81888889	3.42000000
	George Duty Unknown/Unlocatable	Unleased	5.81888889	3.42000000
	J. H. Duty Unknown/Unlocatable	Unleased	5.81888889	3.42000000
	D. L. Duty Unknown/Unlocatable	Unleased	5.81888889	3.42000000
	Newbern Owens Unknown/Unlocatable	Unleased	2.90944444	1.71000000
Tract 3 Totals			52.37000000	30.78000000
4	<i>Tax ID - Minerals Only</i> <u>Roosevelt Sullivan Heirs</u> Dewey R. Sullivan 1884 Indian Creek Rd Bee, VA 24217	Unleased	0.14181818	0.08363636

Charlie V. Sullivan 15223 Twain Drive Abingdon, VA 24210	Unleased	0.14181818	0.08363636
Fred E. Sullivan 15896 Porterfield Hwy Abingdon, VA 24210	Unleased	0.14181818	0.08363636
Virgil D. Sullivan 1258 Sullivan Branch Road Bee, VA 24217	Unleased	0.14181818	0.08363636
Farley Combs 1802 Indian Creek Road Bee, VA 24217	Unleased	0.14181818	0.08363636
Thelma N. Boyd 1085 Plateau Road Honaker, VA 24260	Unleased	0.14181818	0.08363636
Kathleen Runyons P.O. Box 351 Davenport, VA 24239	Unleased	0.14181818	0.08363636
Phyllis Barton Sullivan 3367 Overlook Drive Akron, OH 44312	Unleased	0.14181818	0.08363636
Lena S. Barton 3024 Indian Creek Rd Bee, VA 24217	Unleased	0.14181818	0.08363636
<u>Molly Rasnake Heirs</u> Jimmie Clayton Rasnake 1904 Conaway Rd Big Rock, VA 24603	Unleased	0.04727273	0.02787879
Lucille Bernice Justus 2034 Woosley Branch Rd Grundy, VA 24614	Unleased	0.04727273	0.02787879
Tina Renae Elswick 1063 Elswick Rd Big Rock, VA 24603	Unleased	0.04727273	0.02787879
<u>Ines Sullivan Ball Heirs</u> Pauline Ball Austin 1149 Roy Ball Hollow Rd Vansant, VA 24656	Unleased	0.04727273	0.02787879
Adeline Ball Presley 17766 US Hwy 19 Rosedale, VA 24280	Unleased	0.04727273	0.02787879

Wilma Sue Ball Greene Heirs

Kimberly Renee Coganese (LE)

4	Brittany N. Greene 23439 Boller Court Brownstown, MI 48183	Unleased	0.00675325	0.00398268
	Chad Matthew Greene 23439 Boller Court Brownstown, MI 48183	Unleased	0.00675325	0.00398268
	Mark Palmer Greene 1087 10th Street Wyandotte, MI 48192	Unleased	0.00675325	0.00398268
	Ryan Michael Greene Unknown	Unleased	0.00675325	0.00398268
	Steven Andrew Greene Unknown	Unleased	0.00675325	0.00398268
	Kournay Forrester Unknown	Unleased	0.00675325	0.00398268
	Justin Semen Unknown	Unleased	0.00675325	0.00398268
Tract 4 Totals			1.56000000	0.92000000

5 *Tax ID - Minerals Only*

Roosevelt Sullivan Heirs

Dewey R. Sullivan 1884 Indian Creek Rd Bee, VA 24217	Unleased	0.04818182	0.02818182
Charlie V. Sullivan 15223 Twain Drive Abingdon, VA 24210	Unleased	0.04818182	0.02818182
Fred E. Sullivan 15896 Porterfield Hwy Abingdon, VA 24210	Unleased	0.04818182	0.02818182
Virgil D. Sullivan 1258 Sullivan Branch Road Bee, VA 24217	Unleased	0.04818182	0.02818182
Farley Combs 1802 Indian Creek Road Bee, VA 24217	Unleased	0.04818182	0.02818182
Thelma N. Boyd 1085 Plateau Road Honaker, VA 24260	Unleased	0.04818182	0.02818182

5	Kathleen Runyons P.O. Box 351 Davenport, VA 24239	Unleased	0.04818182	0.02818182
	Phyllis Barton Sullivan 3367 Overlook Drive Akron, OH 44312	Unleased	0.04818182	0.02818182
	Lena S. Barton 3024 Indian Creek Rd Bee, VA 24217	Unleased	0.04818182	0.02818182
5	<u>Molly Rasnake Heirs</u> Jimmie Clayton Rasnake 1904 Conaway Rd Big Rock, VA 24603	Unleased	0.01606061	0.00939394
	Lucille Bernice Justus 2034 Woosley Branch Rd Grundy, VA 24614	Unleased	0.01606061	0.00939394
	Tina Renae Elswick 1063 Elswick Rd Big Rock, VA 24603	Unleased	0.01606061	0.00939394
	<u>Ines Sullivan Ball Heirs</u> Pauline Ball Austin 1149 Roy Ball Hollow Rd Vansant, VA 24656	Unleased	0.01606061	0.00939394
	Adeline Ball Presley 17766 US Hwy 19 Rosedale, VA 24280	Unleased	0.01606061	0.00939394
	<u>Wilma Sue Ball Greene Heirs</u> Kimberly Renee Coglanese (LE)			
	Brittany N. Greene 23439 Boller Court Brownstown, MI 48183	Unleased	0.00229437	0.00134199
	Chad Matthew Greene 23439 Boller Court Brownstown, MI 48183	Unleased	0.00229437	0.00134199
	Mark Palmer Greene 1087 10th Street Wyandotte, MI 48192	Unleased	0.00229437	0.00134199
	Ryan Michael Greene Unknown	Unleased	0.00229437	0.00134199
	Steven Andrew Greene Unknown	Unleased	0.00229437	0.00134199
	Kournay Forrester Unknown	Unleased	0.00229437	0.00134199

5	Justin Semen Unknown	Unleased	0.00229437	0.00134199
Tract 5 Totals			0.53000000	0.31000000
TOTAL GAS ESTATE			100.00000000	58.77000000
Percentage of Unit Leased		60.08722222		
Percentage of Unit Unleased		39.91277778		
Acreage in Unit Leased		35.31000000		
Acreage in Unit Unleased		23.46000000		

Exhibit "B-3"**VC-600001****23-0321-4256****2/9/2023**

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
3	<i>Tax ID - Minerals Only</i> <u>Nancy Duty Heirs</u>			
	Robert Arrington Unknown/Unlocatable	Unleased	11.63777778	6.84000000
	Sarah Arrington Unknown/Unlocatable	Unleased	5.81888889	3.42000000
	George Duty Unknown/Unlocatable	Unleased	5.81888889	3.42000000
	J. H. Duty Unknown/Unlocatable	Unleased	5.81888889	3.42000000
	D. L. Duty Unknown/Unlocatable	Unleased	5.81888889	3.42000000
	Newbern Owens Unknown/Unlocatable	Unleased	2.90944444	1.71000000
	Tract 3 Totals		37.82277778	22.23000000
4	<i>Tax ID - Minerals Only</i> <u>Roosevelt Sullivan Heirs</u>			
	Dewey R. Sullivan 1884 Indian Creek Rd Bee, VA 24217	Unleased	0.14181818	0.08363636
	Charlie V. Sullivan 15223 Twain Drive Abingdon, VA 24210	Unleased	0.14181818	0.08363636
	Fred E. Sullivan 15896 Porterfield Hwy Abingdon, VA 24210	Unleased	0.14181818	0.08363636
	Virgil D. Sullivan 1258 Sullivan Branch Road Bee, VA 24217	Unleased	0.14181818	0.08363636

	Farley Combs 1802 Indian Creek Road Bee, VA 24217	Unleased	0.14181818	0.08363636
4	Thelma N. Boyd 1085 Plateau Road Honaker, VA 24260	Unleased	0.14181818	0.08363636
	Kathleen Runyons P.O. Box 351 Davenport, VA 24239	Unleased	0.14181818	0.08363636
	Phyllis Barton Sullivan 3367 Overlook Drive Akron, OH 44312	Unleased	0.14181818	0.08363636
	Lena S. Barton 3024 Indian Creek Rd Bee, VA 24217	Unleased	0.14181818	0.08363636
	<u>Molly Rasnake Heirs</u> Jimmie Clayton Rasnake 1904 Conaway Rd Big Rock, VA 24603	Unleased	0.04727273	0.02787879
	Lucille Bernice Justus 2034 Woosley Branch Rd Grundy, VA 24614	Unleased	0.04727273	0.02787879
	Tina Renae Elswick 1063 Elswick Rd Big Rock, VA 24603	Unleased	0.04727273	0.02787879
4	<u>Ines Sullivan Ball Heirs</u> Pauline Ball Austin 1149 Roy Ball Hollow Rd Vansant, VA 24656	Unleased	0.04727273	0.02787879
	Adeline Ball Presley 17766 US Hwy 19 Rosedale, VA 24280	Unleased	0.04727273	0.02787879
	<u>Wilma Sue Ball Greene Heirs</u> Kimberly Renee Coglanese (LE)			
	Brittany N. Greene 23439 Boller Court Brownstown, MI 48183	Unleased	0.00675325	0.00398268

4	Chad Matthew Greene 23439 Boller Court Brownstown, MI 48183	Unleased	0.00675325	0.00398268
	Mark Palmer Greene 1087 10th Street Wyandotte, MI 48192	Unleased	0.00675325	0.00398268
	Ryan Michael Greene Unknown	Unleased	0.00675325	0.00398268
	Steven Andrew Greene Unknown	Unleased	0.00675325	0.00398268
	Kournay Forrester Unknown	Unleased	0.00675325	0.00398268
	Justin Semen Unknown	Unleased	0.00675325	0.00398268
Tract 4 Totals			1.56000000	0.92000000
5	<i>Tax ID - Minerals Only</i> <u>Roosevelt Sullivan Heirs</u>			
	Dewey R. Sullivan 1884 Indian Creek Rd Bee, VA 24217	Unleased	0.04818182	0.02818182
	Charlie V. Sullivan 15223 Twain Drive Abingdon, VA 24210	Unleased	0.04818182	0.02818182
	Fred E. Sullivan 15896 Porterfield Hwy Abingdon, VA 24210	Unleased	0.04818182	0.02818182
	Virgil D. Sullivan 1258 Sullivan Branch Road Bee, VA 24217	Unleased	0.04818182	0.02818182
	Farley Combs 1802 Indian Creek Road Bee, VA 24217	Unleased	0.04818182	0.02818182
	Thelma N. Boyd 1085 Plateau Road Honaker, VA 24260	Unleased	0.04818182	0.02818182
	Kathleen Runyons P.O. Box 351 Davenport, VA 24239	Unleased	0.04818182	0.02818182

	Phyllis Barton Sullivan 3367 Overlook Drive Akron, OH 44312	Unleased	0.04818182	0.02818182
	Lena S. Barton 3024 Indian Creek Rd Bee, VA 24217	Unleased	0.04818182	0.02818182
5	<u>Molly Rasnake Heirs</u> Jimmie Clayton Rasnake 1904 Conaway Rd Big Rock, VA 24603	Unleased	0.01606061	0.00939394
	Lucille Bernice Justus 2034 Woosley Branch Rd Grundy, VA 24614	Unleased	0.01606061	0.00939394
	Tina Renae Elswick 1063 Elswick Rd Big Rock, VA 24603	Unleased	0.01606061	0.00939394
	<u>Ines Sullivan Ball Heirs</u> Pauline Ball Austin 1149 Roy Ball Hollow Rd Vansant, VA 24656	Unleased	0.01606061	0.00939394
	Adeline Ball Presley 17766 US Hwy 19 Rosedale, VA 24280	Unleased	0.01606061	0.00939394
	<u>Wilma Sue Ball Greene Heirs</u> Kimberly Renee Coglanese (LE)			
	Brittany N. Greene 23439 Boller Court Brownstown, MI 48183	Unleased	0.00229437	0.00134199
	Chad Matthew Greene 23439 Boller Court Brownstown, MI 48183	Unleased	0.00229437	0.00134199
	Mark Palmer Greene 1087 10th Street Wyandotte, MI 48192	Unleased	0.00229437	0.00134199
5	Ryan Michael Greene Unknown	Unleased	0.00229437	0.00134199
	Steven Andrew Greene Unknown	Unleased	0.00229437	0.00134199

	Kourtney Forrester Unknown	Unleased	0.00229437	0.00134199
5	Justin Semen Unknown	Unleased	0.00229437	0.00134199
	Tract 5 Totals		0.53000000	0.31000000
	TOTAL GAS ESTATE		39.91277778	23.46000000

Company: EnerVest Operating, L.L.C.

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

AFE #

VC-600001

Location: Dickenson County, VA

Expected Pay Zones: PENNSYLVANIAN COALS

Proposed Work: DRILL, COMPLETE AND PLACE INTO PRODUCTION

Property #

Version # 1

Field: NORA FIELD

Completed By: TEAM

Operator: EnerVest Operating, L.L.C.

2/14/2023

Estimated Total Depth: 2,450 FT

AAPG Class: DEVELOPMENT

Participant(s): EnerVest Operating, L.L.C.

WL: 100%

Amount: \$669,189

I N T A N G I B L E S	Description	Casing Point		Completion	Total Cost
	Leasehold Costs		\$0	\$0	\$0
	Permit / Title Opinion / Survey / Insurance		\$10,200	\$0	\$10,200
	Building Location/Materials		\$50,902	\$6,020	\$56,922
	Roads / Stone / Culverts		\$13,000	\$5,000	\$18,000
	Surface Damages		\$14,000	\$0	\$14,000
	Drilling - Footage		\$68,110	\$0	\$68,110
	Drilling - Mobilization		\$0	\$0	\$0
	Drilling - Dayrate		\$900	\$0	\$900
	Mud & Chemicals (Drilling)		\$0	\$0	\$0
	Fuel		\$0	\$0	\$0
	Cement Services		\$6,100	\$11,660	\$17,760
	Open Hole Logging & Testing		\$3,180	\$0	\$3,180
	Trucking / Dozer (Drilling)		\$0	\$0	\$0
	Rental Tools & Equipment (Drilling)		\$0	\$0	\$0
	Drilling - Bits		\$0	\$0	\$0
	Technical Supervision (Drilling)		\$0	\$0	\$0
	Fresh Water Hauling (Drilling)		\$0	\$0	\$0
	Overhead Rate		\$7,000	\$3,000	\$10,000
	Misc. & Contingencies (Insurance)		\$500	\$0	\$500
	Location Rds/Stone/Culverts		\$0	\$0	\$0
	Trucking / Dozer (Completion)		\$0	\$6,522	\$6,522
	Technical Supervision (Completion)		\$0	\$3,600	\$3,600
	Cased Hole Logging / Perforating		\$0	\$35,400	\$35,400
	Stimulation / Fracturing		\$0	\$147,106	\$147,106
	Completion Rig		\$0	\$13,025	\$13,025
	Reclamation & Damages		\$12,000	\$0	\$12,000
	Haul Pit Water / Disposal		\$0	\$2,000	\$2,000
	Cement Production Casing		\$0	\$0	\$0
	Rental Tools & Equipment (Completion)		\$0	\$11,491	\$11,491
	Fresh Water Hauling (Completion)		\$0	\$4,250	\$4,250
	Roustabout Labor		\$2,750	\$8,876	\$11,626
	Environmental & Safety		\$1,000	\$1,000	\$2,000
	TOTAL INTANGIBLES		\$189,642	\$258,950	\$448,592

T A N G I B L E S		Casing Point		Completion	Total Cost
	" Conductor	40 Ft	\$1,120	\$0	\$1,120
	" 26 lb/ft LS Surface Csg	300 Ft	\$4,050	\$0	\$4,050
	" 19 lb/ft LS Intermediate Csg	Ft	\$0	\$0	\$0
	4 1/2" 9.5 lb/ft M-65 Production Csg	Ft	\$0	\$0	\$0
	4 1/2" 10.5 lb/ft M-65 Production Csg	2,450 Ft	\$0	\$33,480	\$33,480
	2-3/8" 4.7 lb/ft J55 8rd Production Tubing	2,400 Ft	\$0	\$21,870	\$21,870
	Wellhead Equipment / Fittings		\$3,990	\$1,083	\$5,074
	Tank Battery		\$0	\$16,762	\$16,762
	Separator / Heater / Treater		\$0	\$8,178	\$8,178
	Gas Lift Equipment		\$0	\$0	\$0
	Rods / Stuffing Box		\$0	\$8,717	\$8,717
	Downhole Pump		\$0	\$2,000	\$2,000
	Pumping Unit / Motor		\$0	\$15,984	\$15,984
	Electric Service & Equipment		\$0	\$41,285	\$41,285
	Valves & Fittings		\$0	\$4,459	\$4,459
	Flow Line labor/material		\$0	\$10,679	\$10,679
	Sales line labor/mat/row		\$0	\$46,939	\$46,939
	TOTAL TANGIBLES		\$9,160	\$211,437	\$220,597
	GRAND TOTAL WELL COST		\$198,802	\$470,387	\$669,189
	Plugging & Abandonment		\$35,000		
	Production Costs :		\$669,189	Dry Hole Costs :	\$233,802

Operations

Tam Lamban

Date

2/14/23

Engineering

David A. Cox

Date

2/14/23

Geology

James Ege

Date

2/14/23

Land

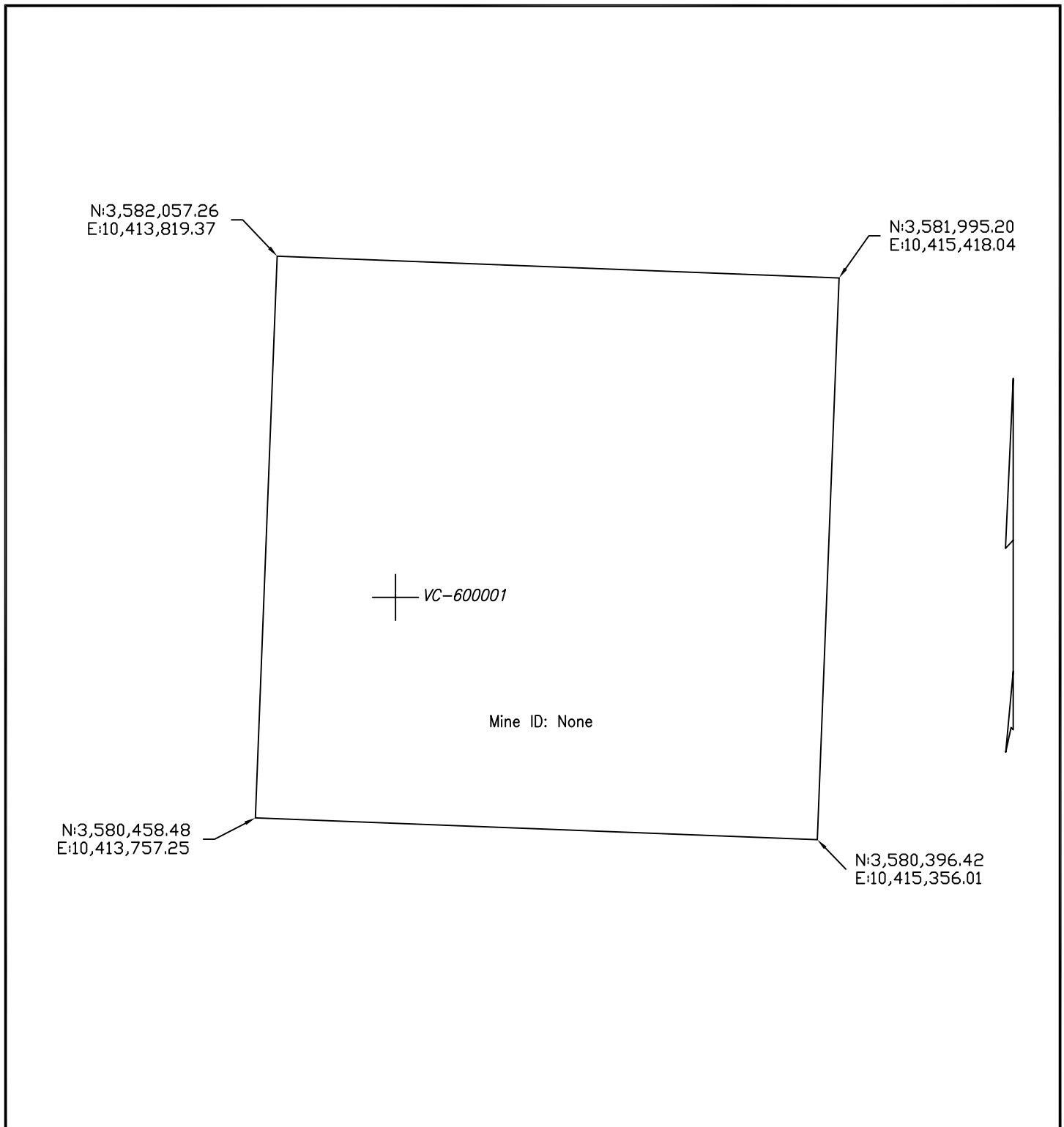
Kevin M. Moore

Date

2/14/2023

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.

VC-600001
23-0321-4256



WELL & MINE LOCATION MAP NORA GRID BA-77

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER VC-600001
QUADRANGLE Duty PERMIT NO. SCALE 1" = 400' DATE 1-24-23

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