

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant:	EnerVest Operating, L.L.C.	)	
		)	
Relief Sought:	Pooling VCI-530621 Nora Grid BL-75	)	
	Nora Coalbed Gas Field	)	
Legal		)	
Description:		)	
	Charles Barnett T-238 Tract	)	Docket Number:
	466.38 acres, more or less	)	VGOB-20-0218-4228
	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 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 VCI-530621 Nora Grid BL-75 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 VCI-530621 Nora Grid BL-75 is currently or is anticipated to be pending before the Department of Mines, Minerals and Energy.

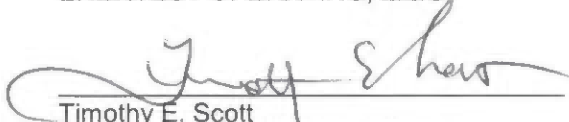
- (c) Applicant has exercised due diligence to locate each of the oil, gas and coalbed methane interest owners named herein at Exhibit B-3 and has made or is making a bona fide effort to reach an agreement with all unleased parties as to pooling their interest for the development and operation of the 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 VCI-530621 Nora Grid BL-75 should be pooled for the development and operation thereof.
- (d) Applicant proposes to drill at the permitted location to an approximate depth of 2,070 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 \$379,850.00 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 893 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 VCI-530621 Nora Grid BL-75, 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 January, 2020.

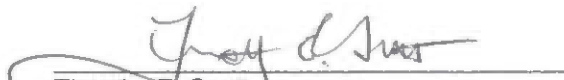
ENERVEST OPERATING, L.L.C.



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

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant:	EnerVest Operating, L.L.C.	)	
		)	
Relief Sought:	Pooling	)	
		)	
Location:	See Exhibit "A"	)	Docket No.
Well Number:	VCI-530621 Nora Grid BL-75	)	VGOB-20-0218-4228
	Nora Coalbed Gas Field	)	
		)	
Legal		)	
Description:	Charles Barnett T-238 Tract	)	
	466.38 acres, more or less	)	
	Ervinton District	)	
	Duty Quadrangle	)	
	Dickenson County, Virginia	)	

NOTICE OF HEARING

HEARING DATE: February 18, 2020
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 VCI-530621 Nora Grid BL-75 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 VCI-530621 Nora Grid BL-75 containing approximately 58.77 acres, located on the above-referenced tracts situated approximately 7,000 feet northwest of the intersection of Virginia State Routes 601 and 618 and approximately 11,200 feet northeast of Jahile 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 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

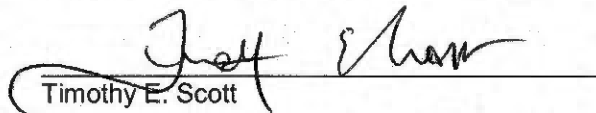
h. Granting such other relief as is merited by the evidence and is just and equitable, whether or not such relief has been specifically requested herein.

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 February 18, 2020** 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 17th of January, 2020.

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

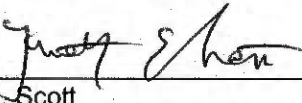

Timothy E. Scott

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 January, 2020, 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 January, 2020.



Timothy E. Scott

Exhibit "A"
Well No. VCI-530621

VGOB-20-0218-4228
2400-R-563

Well Coordinates: (Geographic N83)
37.052193° -82.177192°

Well Coordinates: (UTM N27, Zone 17)
N 13,455,009.72 E 1,296,954.12

Latitude 37° 05' 00"

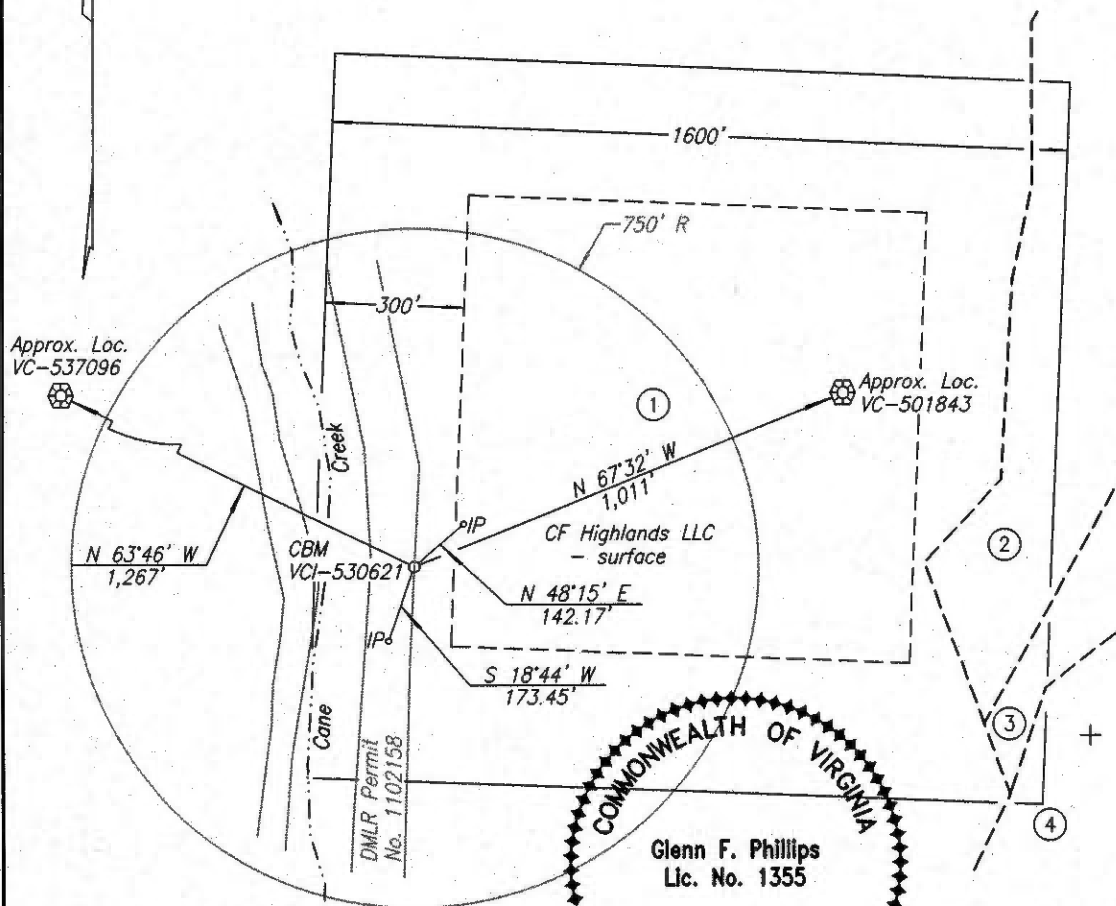
3,115'

Longitude -82° 10' 00"

11,380'

Note: See Attached Tract
Ownership Information Schedule

--- Mineral Line
--- Surface Line
--- Lease Line



Note 1: The boundary lines shown hereon are based on deeds, plats and maps of record and do not depict a current boundary survey.

Note 2: The well will be drilled within 10' of the permitted coordinates.

Well elevation determined by GPS survey from HARN Monument P-424

Area of Unit = 58.77 Ac.

Well Coordinates: (VA St. Plane S. Zone, NAD 83 (1993))
N 3,563,456.61 E 10,410,105.80

Well Coordinates: (VA St. Plane S. Zone, NAD 27 Calculated from NAD 83 (1993))
N 282,581.23 E 927,119.84

Well Coordinates: (Clinchfield Coal Co.)
S 17,427.12 E 60,113.97

WELL LOCATION PLAT NORA GRID BL-75

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER VCI-530621
TRACT NO. T-238 ELEVATION 1,804.86' QUADRANGLE Duty
COUNTY Dickenson DISTRICT Ervinton SCALE 1" = 400' DATE 12-26-2019
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.

Form DGO-G0-7

Licensed Professional Engineer or Licensed Land Surveyor

Glenn F.
Phillips

Digitally signed by Glenn F Phillips
DN: c=US, o=GLENN F. PHILLIPS
COMPANY P.C.,
ou=A01410C0000016C712A037E0
00085EE, cn=Glenn F Phillips
Date: 2020.01.06 14:38:43 -05'00'

VCI-530621 PLAT
TRACT OWNERSHIP INFORMATION SCHEDULE
12/26/2019

Exhibit "A" Well No. VCI-530621 VGOB-20-0218-4228 2400-R-563

1. T-238
Charles Barnett
466.38 Acres
ACIN LLC - coal (except Jawbone & Tiller seam)
Paramont Contura, LLC - coal lessee
WBRD LLC - coal (except Jawbone & Tiller seam)
Dickenson-Russell Contura, LLC - coal lessee
Mullins Land & Mineral, Inc. - coal (Jawbone & Tiller seam only)
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 53.85 Ac. 91.63%
2. T2-169
S. J Tiller
50.15 Acres
ACIN LLC - coal (except Jawbone & Tiller seam)
Paramont Contura, LLC - coal lessee
WBRD LLC - coal (except Jawbone & Tiller seam)
Dickenson-Russell Contura, LLC - coal lessee
Mullins Land & Mineral, Inc. - coal (Jawbone & Tiller seam only)
Unleased
Eivens Tiller Heirs - oil, gas & CBM
Gas 4.12 Ac. 7.01%
3. T2-170
S. J. Tiller
49.00 Acres
ACIN LLC - coal (except Jawbone & Tiller seam)
Paramont Contura, LLC - coal lessee
WBRD LLC - coal (except Jawbone & Tiller seam)
Dickenson-Russell Contura, LLC - coal lessee
Mullins Land & Mineral, Inc. - coal (Jawbone & Tiller seam only)
Unleased
Eivens Tiller Heirs - oil, gas & CBM
Gas 0.57 Ac. 0.97%
4. T2-175
Honaker & Tiller
97.87 Acres
ACIN LLC - coal (except Jawbone & Tiller seam)
Paramont Contura, LLC - coal lessee
WBRD LLC - coal (except Jawbone & Tiller seam)
Dickenson-Russell Contura, LLC - coal lessee
Mullins Land & Mineral, Inc. - coal (Jawbone & Tiller seam only)
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 0.23 Ac. 0.39%

Exhibit "B"
VCI-530621
Docket # 20-0218-4228

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 - 20418	Owner	91.63000000	53.85000000
2	Tax ID - 3464 Charlton Tiller 860 Falcon Drive Abingdon, VA 24210	Leased	1.168333333	0.686666667
	Patsy Barton P.O. Box T Haysi, VA 24256	Unleased	0.233666667	0.137333333
	Peggy Barton P.O. Box 51 Haysi, VA 24256	Unleased	0.233666667	0.137333333
	Steve R. Barton P.O. Box 234 Haysi, VA 24256	Unleased	0.023366667	0.013733333
	Chandra Cheryl Bostic & Kenny Bostic, W/H 3246 Indian Creek Rd Bee, VA 24217	Unleased	0.023366667	0.013733333
	Ricky Lane Barton & Pam Agnus Barton, H/W 343 Mack Hollow Haysi, VA 24256	Unleased	0.023366667	0.013733333
	Terry Lorenzen Barton & Barbara Gayle Barton, H/W P.O. Box 499 Haysi, VA 24256	Unleased	0.023366667	0.013733333
	Louise B. Compton & James I. Compton, W/H 118 Graham Robinson Rd. Max Meadows, VA 24360	Unleased	0.233666667	0.137333333

Exhibit "B"
Well No. VCI-530621
VGOB-20-0218-4228
2400-R-563

Pamela Barton 7544 Finney Rd. Honaker, VA 24260	Leased	0.233666667	0.137333333
Mickey W. Barton & Becky Barton, H/W 3204 Indian Creek Rd Bee, VA 24217	Unleased	0.116833333	0.068666667
Wrenda Joetta Barton 725 Centennial Heights Rd Haysi, VA 24256	Unleased	0.116833333	0.068666667
Graham Kennedy Tiller & Betty Tiller, H/W 4601 Riderwood Way Chester, VA 23831	Leased	1.168333333	0.686666667
Don Ashworth & Cindy Ashworth, H/W 852 Vandalia Rd. Morgantown, WV 26501	Leased	0.584166667	0.343333333
Halbert Ashworth & Peggy Ashworth, H/W 15 Outterbridge Circle Hilton Head Island, SC 29926	Leased	0.584166667	0.343333333
<u>Lena Mullins Heirs</u> Carole M. Strohm 1905 Loire Valley Rd Johnson City, TN 37604	Leased	0.024340278	0.014305556
Barbara Rose Chitwood 52 Helene Way Jefferson, GA 30549	Leased	0.024340278	0.014305556
Rolfe & Mary Mullins 8784 Watt Cemetery Rd Loudon, TN 37774	Leased	0.024340278	0.014305556
Tollie C. & Donna Mullins 12412 Stonesbranch Way Knoxville, TN 37931	Leased	0.024340278	0.014305556
<u>Michael & Martha Mullins Heirs</u> Julie Diane Witman 3427 Eisenhower Avenue Reading, PA 19605	Leased	0.008113426	0.004768519
Christopher M. Mullins 1200 North Veitch St, Apt 319 Arlington, VA 22201-15821	Leased	0.008113426	0.004768519
Valerie Powers	Leased	0.008113426	0.004768519

Exhibit "B"
Well No. VCI-530621
VGOB-20-0218-4228
2400-R-563

11912 W. Kings Gate Rd.
Knoxville, TN 37934

Gay Revonne Gibson 12751 Ackley Circle Farragut, TN 37934-0849	Leased	0.024340278	0.014305556
Catherine Mullins 4505 Woodbury Drive Raleigh, NC 27612	Leased	0.146041667	0.085833333
<u>Juanita Mullins Heirs</u> Stephen Darrell Mullins 7142 Roycrest Place Pittsburgh, PA 15208	Unleased	0.036510417	0.021458333
Brent Mullins 281 Bellemeade Ln Memphis, TN 38117	Unleased	0.036510417	0.021458333
Marcia Smyth 205 Elmwood Blvd York, PA 17403	Unleased	0.036510417	0.021458333
Para Darnell Smith 9930 New Kent Hwy New Kent, VA 23124	Unleased	0.036510417	0.021458333
Mattie Mullins 904 Millercrest Dr. Johnson City, TN 37604-4315	Leased	0.146041667	0.085833333
Roger Lee Mullins 514 Sundancer Road Knoxville, TN 37934	Leased	0.029208333	0.017166667
David Wynn Mullins 909 Evian Lane Matthews, NC 28105	Leased	0.029208333	0.017166667
Melanie Lynn Majors 38 Otis Baker Road Whitley City, KY 42653	Leased	0.029208333	0.017166667
Clifford Dorian Mullins 6760 Bridge Way Columbus, GA 31904	Leased	0.029208333	0.017166667
Jay Alan Mullins 259 Lemans Drive Bloomingdale, GA 31302	Leased	0.029208333	0.017166667
Geraldine & Lee Counts, W/H by E. Lee Counts, AIF 1900 Knob Creek Road, Unit 107	Leased	0.146041667	0.085833333

Exhibit "B"
Well No. VCI-530621
VGOB-20-0218-4228
2400-R-563

Johnson City, TN 37604

Joe Stacker 300 Wheatfield Circle, B-337 Brentwood, TN 37027	Leased	0.146041667	0.085833333
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Gail Aveline Bristow & Bill Bristow, W/H 1050 Water Place Way Knoxville, TN 37922	Leased	0.146041667	0.085833333
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Travis B. Tiller 1583 Rock Springs Road Kingsport, TN 37664	Leased	0.233666667	0.137333333
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Karen T. Taylor & Don E. Taylor, W/H 653 Redwood St. Mount Carmel, TN 37645	Leased	0.14020000	0.08240000
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Neil C. Tiller & Martha R. Tiller, H/W 177 Meadow Lark Lane Lebanon, VA 24266	Leased	0.233666667	0.137333333
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Gary & Daisy Tiller Heirs

Wanda Jane Leonard 108 Shady Brook Drive, Apt. 17 Bristol, TN 37620	Leased	0.058416667	0.034333333
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Joyce C. Camper 201 Pine Laurel Circle Bluff City, TN 37618	Leased	0.058416667	0.034333333
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Kristi D. Sharrett 528 Meadowcrest Drive Bristol, VA 24201	Leased	0.058416667	0.034333333
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Donna Tiller Sizemore & Roger Sizemore, W/H 24107 Watauga Rd. Abingdon, VA 24211	Leased	0.029208333	0.017166667
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Michael Tiller 107 Buckboard Trail Burnet, TX 78611	Leased	0.029208333	0.017166667
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Nadine Presley Heirs

Virgil Jack Presley and Kathleen Presley 1211 Boston Knoll Rd Davenport, VA 24239	Leased	0.058416667	0.034333333
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Donnie Lee Presley 1021 Boston Knoll Rd	Leased	0.058416667	0.034333333
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Exhibit "B"
Well No. VCI-530621
VGOB-20-0218-4228
2400-R-563

Davenport, VA 24239			
Julia Jacquelyn Presley Heirs Rhonda L. Giles 1043 Boston Knoll Rd Davenport, VA 24239	Leased	0.058416667	0.034333333
Virgie Dean Presley 1142 Boston Knoll Rd Davenport, VA 24239	Leased	0.058416667	0.034333333
Tract 2 Totals		7.01000000	4.12000000
3 Tax ID - 3464			
Charlton Tiller 860 Falcon Drive Abingdon, VA 24210	Leased	0.16166667	0.09500000
Patsy Barton P.O. Box T Haysi, VA 24256	Unleased	0.03233333	0.01900000
Peggy Barton P.O. Box 51 Haysi, VA 24256	Unleased	0.03233333	0.01900000
Steve R. Barton P.O. Box 234 Haysi, VA 24256	Unleased	0.00323333	0.00190000
Chandra Cheryl Bostic & Kenny Bostic, W/H 3246 Indian Creek Rd Bee, VA 24217	Unleased	0.00323333	0.00190000
Ricky Lane Barton & Pam Agnus Barton, H/W 343 Mack Hollow Haysi, VA 24256	Unleased	0.00323333	0.00190000
Terry Lorenzen Barton & Barbara Gayle Barton, H/W P.O. Box 499 Haysi, VA 24256	Unleased	0.00323333	0.00190000
Louise B. Compton & James I. Compton, W/H 118 Graham Robinson Rd. Max Meadows, VA 24360	Unleased	0.03233333	0.01900000
Pamela Barton 7544 Finney Rd. Honaker, VA 24260	Leased	0.03233333	0.01900000
Mickey W. Barton &	Unleased	0.01616667	0.00950000

Exhibit "B"
Well No. VCI-530621
VGOB-20-0218-4228
2400-R-563

Becky Barton, H/W
3204 Indian Creek Rd
Bee, VA 24217

Wrenda Joetta Barton
725 Centennial Heights Rd
Haysi, VA 24256

Unleased 0.01616667 0.00950000

Graham Kennedy Tiller &
Betty Tiller, H/W
4601 Riderwood Way
Chester, VA 23831

Leased 0.16166667 0.09500000

Don Ashworth &
Cindy Ashworth, H/W
852 Vandalia Rd.
Morgantown, WV 26501

Leased 0.08083333 0.04750000

Halbert Ashworth &
Peggy Ashworth, H/W
15 Outterbridge Circle
Hilton Head Island, SC 29926

Leased 0.08083333 0.04750000

Lena Mullins Heirs

Carole M. Strohm
1905 Loire Valley Rd
Johnson City, TN 37604

Leased 0.00336806 0.00197917

Barbara Rose Chitwood
52 Helene Way
Jefferson, GA 30549

Leased 0.00336806 0.00197917

Rolfe & Mary Mullins
8784 Watt Cemetery Rd
Loudon, TN 37774

Leased 0.00336806 0.00197917

Tollie C. & Donna Mullins
12412 Stonesbranch Way
Knoxville, TN 37931

Leased 0.00336806 0.00197917

Michael & Martha Mullins Heirs

Julie Diane Witman
3427 Eisenhower Avenue
Reading, PA 19605

Leased 0.00112269 0.00065972

Christopher M. Mullins
1200 North Veitch St, Apt 319
Arlington, VA 22201-15821

Leased 0.00112269 0.00065972

Valerie Powers
11912 W. Kings Gate Rd.
Knoxville, TN 37934

Leased 0.00112269 0.00065972

Gay Revonne Gibson
12751 Ackley Circle

Leased 0.00336806 0.00197917

Exhibit "B"
Well No. VCI-530621
VGOB-20-0218-4228
2400-R-563

Farragut, TN 37934-0849

Catherine Mullins 4505 Woodbury Drive Raleigh, NC 27612	Leased	0.02020833	0.01187500
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Juanita Mullins Heirs

Stephen Darrell Mullins 7142 Roycrest Place Pittsburgh, PA 15208	Unleased	0.00505208	0.00296875
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Brent Mullins 281 Bellemeade Ln Memphis, TN 38117	Unleased	0.00505208	0.00296875
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Marcia Smyth 205 Elmwood Blvd York, PA 17403	Unleased	0.00505208	0.00296875
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Para Darnell Smith 9930 New Kent Hwy New Kent, VA 23124	Unleased	0.00505208	0.00296875
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Mattie Mullins 904 Millercrest Dr. Johnson City, TN 37604-4315	Leased	0.02020833	0.01187500
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Roger Lee Mullins 514 Sundancer Road Knoxville, TN 37934	Leased	0.00404167	0.00237500
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David Wynn Mullins 909 Evian Lane Matthews, NC 28105	Leased	0.00404167	0.00237500
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Melanie Lynn Majors 38 Otis Baker Road Whitley City, KY 42653	Leased	0.00404167	0.00237500
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Clifford Dorian Mullins 6760 Bridge Way Columbus, GA 31904	Leased	0.00404167	0.00237500
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Jay Alan Mullins 259 Lemans Drive Bloomington, GA 31302	Leased	0.00404167	0.00237500
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Geraldine & Lee Counts, W/H by E. Lee Counts, AIF 1900 Knob Creek Road, Unit 107 Johnson City, TN 37604	Leased	0.02020833	0.01187500
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Joe Stacker 300 Wheatfield Circle, B-337 Brentwood, TN 37027	Leased	0.02020833	0.01187500
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Exhibit "B"
Well No. VCI-530621
VGOB-20-0218-4228
2400-R-563

Gail Aveline Bristow & Bill Bristow, W/H 1050 Water Place Way Knoxville, TN 37922	Leased	0.02020833	0.01187500
Travis B. Tiller 1583 Rock Springs Road Kingsport, TN 37664	Leased	0.03233333	0.01900000
Karen T. Taylor & Dori E. Taylor, W/H 653 Redwood St. Mount Carmel, TN 37645	Leased	0.01940000	0.01140000
Neil C. Tiller & Martha R. Tiller, H/W 177 Meadow Lark Lane Lebanon, VA 24266	Leased	0.03233333	0.01900000
<u>Gary & Daisy Tiller Heirs</u>			
Wanda Jane Leonard 108 Shady Brook Drive, Apt. 17 Bristol, TN 37620	Leased	0.00808333	0.00475000
Joyce C. Camper 201 Pine Laurel Circle Bluff City, TN 37618	Leased	0.00808333	0.00475000
Kristi D. Sharrett 528 Meadowcrest Drive Bristol, VA 24201	Leased	0.00808333	0.00475000
Donna Tiller Sizemore & Roger Sizemore, W/H 24107 Watauga Rd. Abingdon, VA 24211	Leased	0.00404167	0.00237500
Michael Tiller 107 Buckboard Trail Burnet, TX 78611	Leased	0.00404167	0.00237500
<u>Nadine Presley Heirs</u>			
Virgil Jack Presley and Kathleen Presley 1211 Boston Knoll Rd Davenport, VA 24239	Leased	0.00808333	0.00475000
Donnie Lee Presley 1021 Boston Knoll Rd Davenport, VA 24239	Leased	0.00808333	0.00475000
Julia Jacquelyn Presley Heirs Rhonda L. Giles 1043 Boston Knoll Rd	Leased	0.00808333	0.00475000

Exhibit "B"
Well No. VCI-530621
VGOB-20-0218-4228
2400-R-563

Davenport, VA 24239

Virgie Dean Presley
1142 Boston Knoll Rd
Davenport, VA 24239

Leased

0.00808333

0.00475000

Tract 3 Totals

0.97000000

0.57000000

- 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
Tax ID - 20976

Owner

0.39000000

0.23000000

TOTAL GAS ESTATE

100.00000000

58.77000000

Percentage of Unit Leased
Percentage of Unit Unleased

98.66335000
1.33665000

Acreage in Unit Leased
Acreage in Unit Unleased

57.98442500
0.78557500

Exhibit "B"
VCI-530621
Docket # 20-0218-4228

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 Tax ID - 20418	Owner	91.63000000	53.85000000
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 - Minerals Only	Owner	7.01000000	4.12000000
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 - Minerals Only	Owner	0.97000000	0.57000000
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 Tax ID - 20976	Owner	0.39000000	0.23000000
TOTAL GAS ESTATE			100.00000000	58.77000000
Percentage of Unit Leased		100.00000000		
Percentage of Unit Unleased		0.00000000		
Acreage in Unit Leased		58.77000000		
Acreage in Unit Unleased		0.00000000		

Exhibit "B-3"
VCI-530621
Docket # 20-0218-4228

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
2	Patsy Barton P.O. Box T Haysi, VA 24256	Unleased	0.233666667	0.137333333
	Peggy Barton P.O. Box 51 Haysi, VA 24256	Unleased	0.233666667	0.137333333
	Steve R. Barton P.O. Box 234 Haysi, VA 24256	Unleased	0.023366667	0.013733333
	Chandra Cheryl Bostic & Kenny Bostic, W/H 3246 Indian Creek Rd. Bee, VA 24217	Unleased	0.023366667	0.013733333
	Ricky Lane Barton & Pam Agnus Barton, H/W 343 Mack Hollow Haysi, VA 24256	Unleased	0.023366667	0.013733333
	Terry Lorenzen Barton & Barbara Gayle Barton, H/W P.O. Box 499 Haysi, VA 24256	Unleased	0.023366667	0.013733333
	Louise B. Compton & James I. Compton, W/H 118 Graham Robinson Rd. Max Meadows, VA 24360	Unleased	0.233666667	0.137333333
	Mickey W. Barton & Becky Barton, H/W 3204 Indian Creek Rd Bee, VA 24217	Unleased	0.116833333	0.068666667

Wrenda Joetta Barton 725 Centennial Heights Rd Haysi, VA 24256	Unleased	0.116833333	0.068666667
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Juanita Mullins Heirs

Stephen Darrell Mullins 7142 Roycrest Place Pittsburgh, PA 15208	Unleased	0.036510417	0.021458333
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Brent Mullins 281 Bellemeade Ln Memphis, TN 38117	Unleased	0.036510417	0.021458333
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Marcia Smyth 205 Elmwood Blvd York, PA 17403	Unleased	0.036510417	0.021458333
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Para Darnell Smith 9930 New Kent Hwy New Kent, VA 23124	Unleased	0.036510417	0.021458333
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Tract 2 Totals		1.17417500	0.69010000
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3 Patsy Barton P.O. Box T Haysi, VA 24256	Unleased	0.03233333	0.01900000
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Peggy Barton P.O. Box 51 Haysi, VA 24256	Unleased	0.03233333	0.01900000
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Steve R. Barton P.O. Box 234 Haysi, VA 24256	Unleased	0.00323333	0.00190000
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Chandra Cheryl Bostic & Kenny Bostic, W/H 3246 Indian Creek Rd Bee, VA 24217	Unleased	0.00323333	0.00190000
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Ricky Lane Barton & Pam Agnus Barton. H/W 343 Mack Hollow Haysi, VA 24256	Unleased	0.00323333	0.00190000
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Terry Lorenzen Barton & Barbara Gayle Barton, H/W P.O. Box 499 Haysi, VA 24256	Unleased	0.00323333	0.00190000
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Louise B. Compton & James I. Compton, W/H 118 Graham Robinson Rd. Max Meadows, VA 24360	Unleased	0.03233333	0.01900000
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Mickey W. Barton & Becky Barton, H/W 3204 Indian Creek Rd Bee, VA 24217	Unleased	0.01616667	0.00950000
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Wrenda Joetta Barton 725 Centennial Heights Rd Haysi, VA 24256	Unleased	0.01616667	0.00950000
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Juanita Mullins Heirs

Stephen Darrell Mullins 7142 Roycrest Place Pittsburgh, PA 15208	Unleased	0.00505208	0.00296875
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Brent Mullins 281 Bellemeade Ln Memphis, TN 38117	Unleased	0.00505208	0.00296875
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Marcia Smyth 205 Elmwood Blvd York, PA 17403	Unleased	0.00505208	0.00296875
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Para Darnell Smith 9930 New Kent Hwy New Kent, VA 23124	Unleased	0.00505208	0.00296875
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Tract 3 Totals		0.16247500	0.09547500
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TOTAL GAS ESTATE		1.33665000	0.78557500
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Company: EnerVest Operating, LLC.

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

AFE #

Well Name: VCI-530621

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: 8/8/2019

Estimated Total Depth: 2,070 FT

AAPG Class: DEVELOPMENT

Participant(s): EnerVest Operating, LLC.

Amount: \$379,850

	Description	Casing Point	Completion	Total Cost
	Roads / Stone / Culverts	\$13,000	\$0	\$13,000
	Location Rds/Stone/Culverts	\$0	\$1,000	\$1,000
	Building Location/Materials	\$22,000	\$2,000	\$24,000
	Reclamation & Damages	\$10,000	\$0	\$10,000
	Surface Damages	\$0	\$0	\$0
	Permit / Title Opinion / Survey / Insurance	\$8,000	\$0	\$8,000
	Drilling - Dayrate	\$0	\$0	\$0
	Drilling - Footage	\$30,100	\$0	\$30,100
	Completion Rig	\$0	\$8,100	\$8,100
I	Drilling - Bits	\$0	\$0	\$0
N	Mud & Chemicals (Drilling)	\$500	\$0	\$500
T	Vacuum Trucking/Hot Oil	\$0	\$3,600	\$3,600
A	Cement Production Casing	\$0	\$0	\$0
N	Trucking / Dozer (Completion)	\$0	\$5,500	\$5,500
G	Cement Services	\$18,000	\$0	\$18,000
I	Trucking / Dozer (Drilling)	\$1,300	\$0	\$1,300
B	Rental Tools & Equipment (Completion)	\$0	\$5,100	\$5,100
L	Fresh Water Hauling (Drilling)	\$2,600	\$0	\$2,600
E	Cased Hole Logging / Perforating	\$0	\$4,500	\$4,500
S	Rental Tools & Equipment (Drilling)	\$0	\$0	\$0
	Open Hole Logging & Testing	\$2,200	\$2,600	\$4,800
	Stimulation / Fracturing	\$0	\$85,000	\$85,000
	Roustabout Labor	\$1,700	\$3,600	\$5,300
	Overhead Rate	\$1,000	\$6,000	\$7,000
	Misc. & Contingencies (Insurance)	\$300	\$0	\$300
	Haul Pit Water / Disposal	\$0	\$1,600	\$1,600
	Drilling - Mobilization	\$0	\$0	\$0
	Fuel	\$1,000	\$0	\$1,000
	Technical Supervision (Drilling)	\$0	\$12,000	\$12,000
	Technical Supervision (Completion)	\$0	\$0	\$0
	Environmental & Safety	\$800	\$800	\$1,600
	TOTAL INTANGIBLES	\$110,400	\$139,400	\$249,800
		Casing Point	Completion	Total Cost
	" Conductor Ft	\$1,100	\$0	\$1,100
	" 26 lb/ft LS Surface Csg Ft	\$0	\$0	\$0
	" 19 lb/ft LS Intermediate Csg Ft	\$3,400	\$0	\$3,400
T	4 1/2" 9.5 lb/ft M-65 Production Csg Ft	\$9,200	\$0	\$9,200
A	Wellhead Equipment / Fittings	\$3,400	\$8,000	\$11,400
N	2-3/8" 4.7 lb/ft J55 8rd Production Tubing Ft	\$0	\$5,100	\$5,100
G	Rods / Stuffing Box	\$0	\$2,700	\$2,700
I	Downhole Pump	\$0	\$1,700	\$1,700
B	Electric Service & Equipment	\$0	\$23,500	\$23,500
L	Tank Battery	\$0	\$10,850	\$10,850
E	Flow Line labor/material	\$0	\$30,150	\$30,150
S	Valves & Fittings	\$0	\$0	\$0
	Separator / Heater / Treater	\$0	\$5,500	\$5,500
	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	\$17,400	\$17,400
	TOTAL TANGIBLES	\$17,100	\$112,950	\$130,050
	GRAND TOTAL WELL COST	\$127,500	\$252,350	\$379,850
	Plugging & Abandonment	\$30,000		
	Production Costs :	\$379,850	Dry Hole Costs	\$157,500

Operations

Ta Loh

Date

1/15/2020

Engineering

Eg Loh

Date

1/15/2020

Geology

Jim

Date

1/15/2020

Land

Charles

Date

11/15/2020

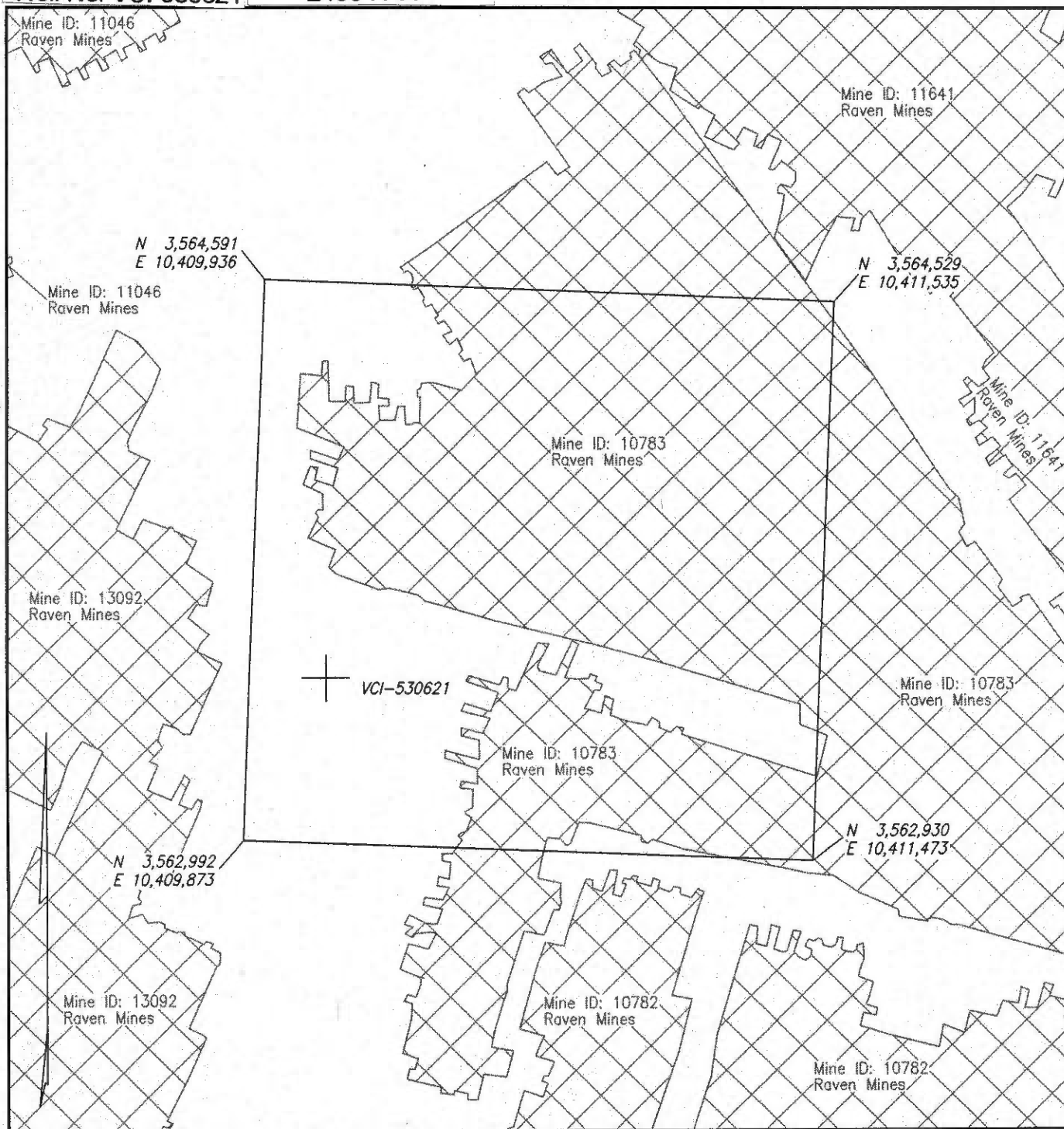
THIS IS AN ESTIMATE OF PROJECTED WELL DRILLING, COMPLETION, EQUIPMENT AND PIPELINE COSTS. THESE ESTIMATES ARE PROJECTIONS ONLY AND ACTUAL BILLED COSTS MAY VARY FROM WELL TO WELL DEPENDING UPON ACTUAL FINAL DEPTH AND OTHER FACTORS INCLUDING, BUT NOT LIMITED TO, SEASONAL MATERIAL COSTS, WEATHER CONDITIONS,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

Exhibit "C"

Well No. VCI-530621

VGOB-20-0218-4228

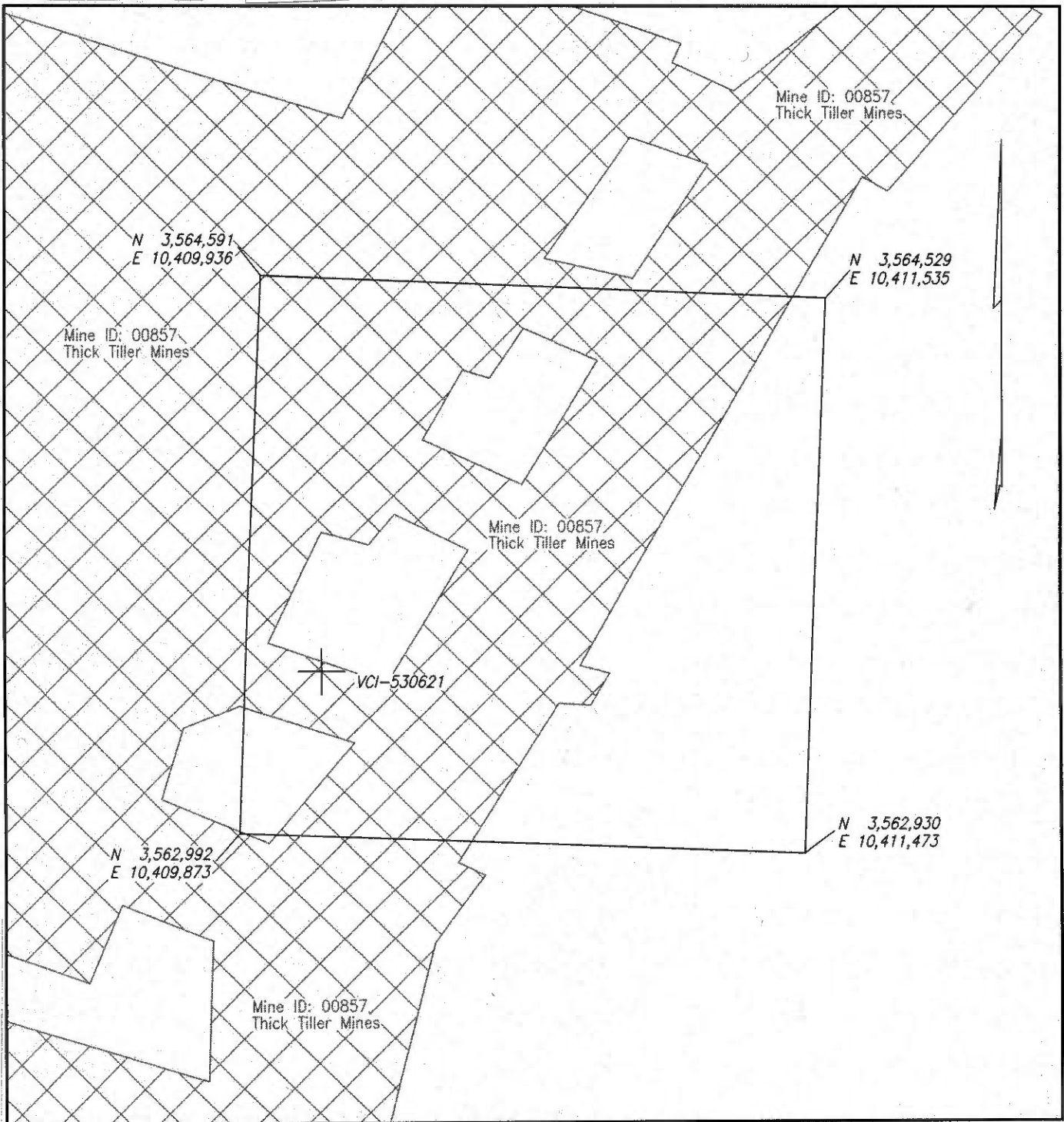
2400-R-563



WELL & MINE LOCATION MAP NORA GRID BL-75

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER VCI-530621
QUADRANGLE Duty PERMIT NO. _____ SCALE 1" = 400' DATE 12-26-2019

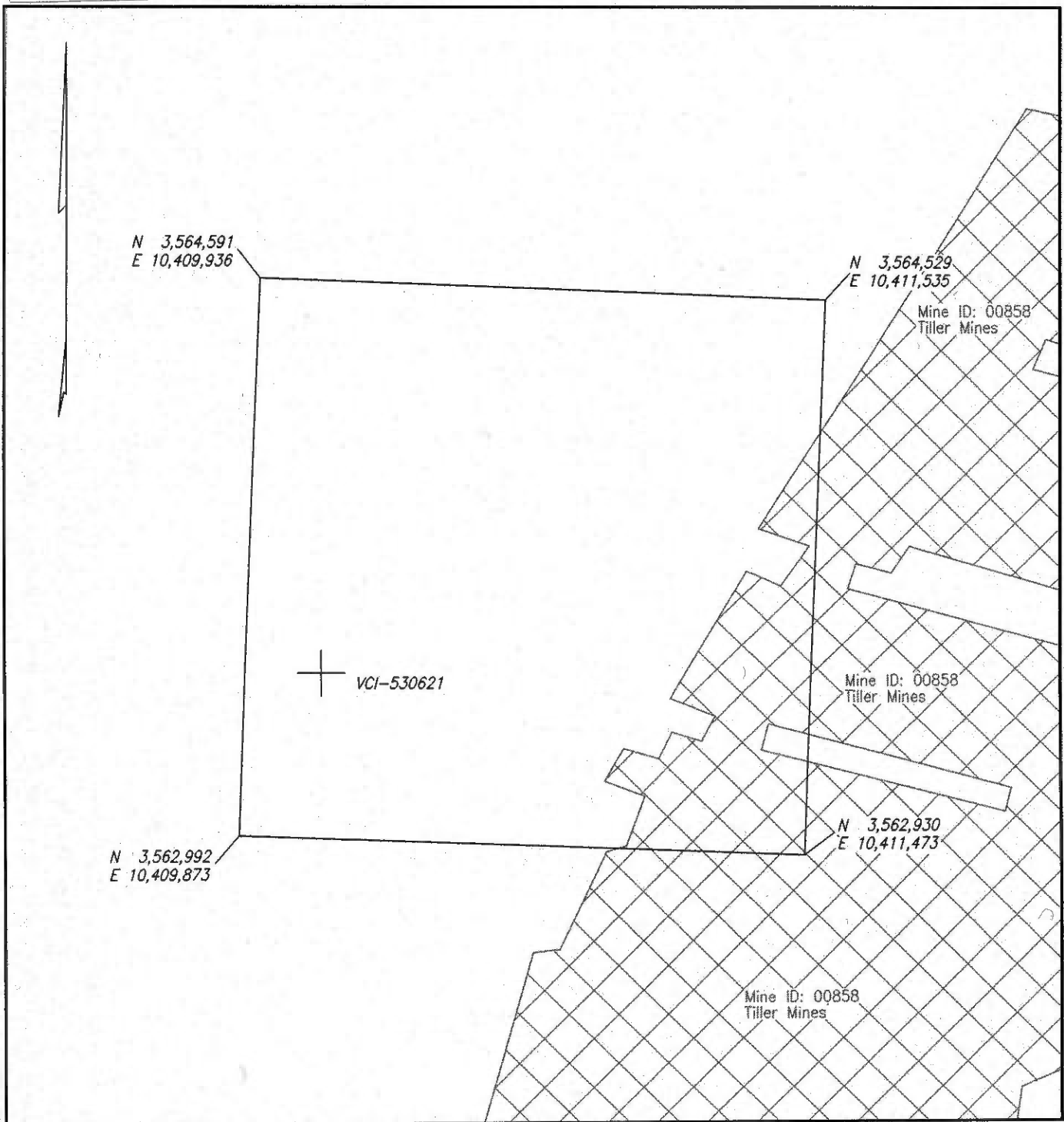
NOTE: The mine locations are approximate locations taken from downloaded DMME data.
The maps are to be used for anticipated drilling hazards only.



WELL & MINE LOCATION MAP NORA GRID BL-75

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER VCI-530621
QUADRANGLE Duty PERMIT NO. _____ SCALE 1" = 400' DATE 12-26-2019

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



WELL & MINE LOCATION MAP NORA GRID BL-75

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER VCI-530621
QUADRANGLE Duty PERMIT NO. _____ SCALE 1" = 400' DATE 12-26-2019

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