

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant: EnerVest Operating, L.L.C.)
)
)
Relief Sought: Pooling VCI-531625 Nora Grid 81-AT)
Nora Coalbed Gas Field)
Legal)
Description:)
A.B. Nichols T-615 Tract) Docket Number:
241.49 acres, more or less) VGOB-17-0418-4115
Hurricane District)
Prater Quadrangle)
Buchanan County, Virginia)
)
(See Exhibit "A" For Specific)
Description))

APPLICATION

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

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

(a) Applicant has proposed a plan of development and operation of the Formations underlying the drilling unit involved herein (described and depicted on Exhibit A attached hereto and made a part hereof) and has proposed to commence such plan of development and operation of such unit by a well, designated as well number VCI-531625 Nora Grid 81-AT under such plan in the lands involved herein so as to produce oil, gas and coalbed methane from the proposed unit.

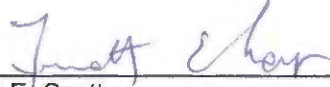
- (b) A Well work permit for well number VCI-531625 Nora Grid 81-AT is currently or is anticipated to be pending before the Department of Mines, Minerals and Energy.
- (c) Applicant has exercised due diligence to locate each of the oil, gas and coalbed methane interest owners named herein at Exhibit 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-531625 Nora 81-AT should be pooled for the development and operation thereof.
- (d) Applicant proposes to drill at the permitted location to an approximate depth of 2,500 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 **\$317,400.00** 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 675 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-531625 Nora Grid 81-AT, 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 March, 2017.

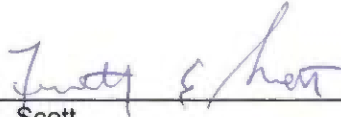
ENERVEST OPERATING, L.L.C



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

VERIFICATION

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



Timothy E. Scott

MCKINNIS & SCOTT

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant: EnerVest Operating, L.L.C.)
)
)
Relief Sought: Pooling)
)
Location: See Exhibit "A") Docket No.
Well Number: VCI-531625 Nora Grid 81-AT) VGOB-17-0418-4115
Nora Coalbed Gas Field)
)
Legal)
Description: A.B. Nichols T-615 Tract)
241.49 acres, more or less)
Hurricane District)
Prater Quadrangle)
Buchanan County, Virginia)

NOTICE OF HEARING

HEARING DATE: April 18, 2017
PLACE: Russell County Conference Center
Highland Drive
Lebanon, Virginia
TIME: 9:00 a.m.

COMMONWEALTH OF VIRGINIA: To all unleased persons owning an interest in the oil, gas and coalbed methane in and underlying the unit surrounding VCI-531625 Nora Grid 81-AT described on Exhibit "A" to the Application, which is attached to this Notice, in Buchanan 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-531625 Nora Grid 81-AT, containing approximately 58.77 acres, located on the above-referenced tracts situated approximately 7,600 feet northwest of the intersection of Virginia State Routes 603 and 657 and approximately 4,550 feet southeast of Little Fox School in the Hurricane District, Prater Quadrangle of Buchanan 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

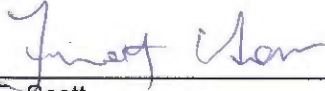
h. Granting such other relief as is merited by the evidence and is just and equitable, whether or not such relief has been specifically requested herein.

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 April 18, 2017** at the **Russell County Conference Center, Highland Drive**, Lebanon, Virginia, and that notice will be published as required by the law and the rules of the Board.

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

DATED this 17th day of March, 2017.

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



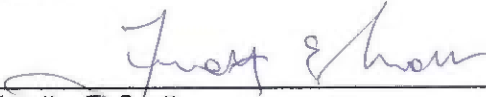
Timothy E. Scott

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

CERTIFICATE OF SERVICE

I, Timothy E. Scott, of Counsel for EnerVest Operating, L.L.C., hereby certify that I have on this, the 17th day of March, 2017, 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 March, 2017.



Timothy E. Scott
MCKINNIS & SCOTT

4,880'

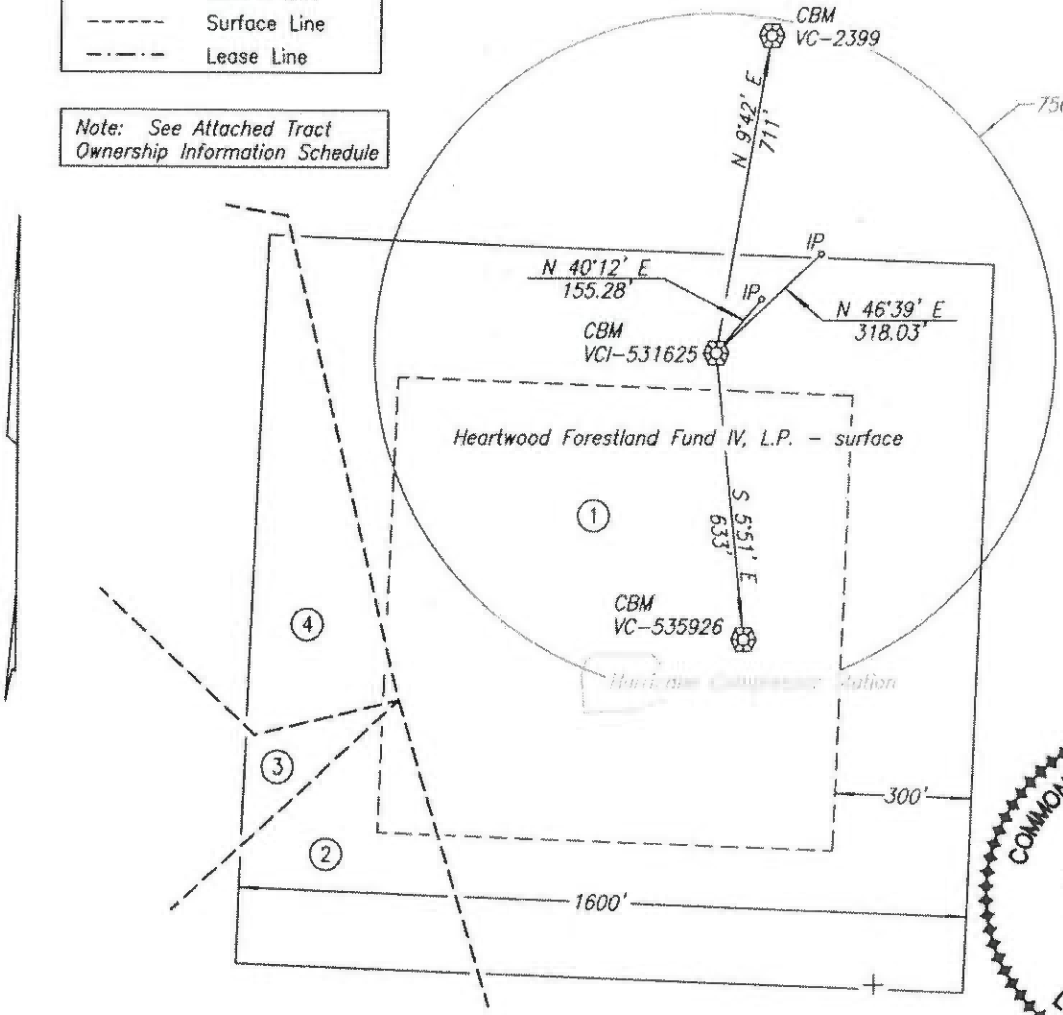
Well Coordinates: (Geographic N83)
37.133787' -82.141602'

Well Coordinates: (UTM N27, Zone 17)
N 13,484,580.37 E 1,307,693.67

Latitude 37° 10' 00"

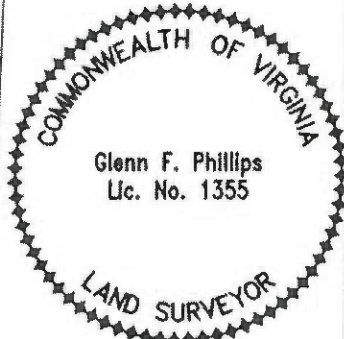
- - - Mineral Line
 - - - Surface Line
 - - - Lease Line

Note: See Attached Tract Ownership Information Schedule



Longitude -82° 07' 30"

12,010'



Note 1: The boundary lines shown hereon are based on deeds, plats maps of record, and certain lines shown on the well plat "EQT Production Co. ... VCI-531625 ... 10-25-10." They are not based upon a current field survey.

The undersigned hereby certifies that the final location is within ten (10) feet of the location shown on the well plat dated 5-11-2016.

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

FINAL PLAT

Area of Unit = 58.77 Ac.

Well Coordinates: (VA St. Plane S. Zone, NAD 83 (1993))
N 3,592,739.75 E 10,421,629.58

Well Coordinates: (VA St. Plane S. Zone, NAD 27 Calculated from NAD 83 (1993))
N 311,862.88 E 938,643.45

Well Coordinates: (Clinchfield Coal Co.)
N 12,281.67 E 70,494.60

WELL LOCATION PLAT NORA GRID AT-81

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER VCI-531625
 TRACT NO. T-615 ELEVATION 2,203.87' QUADRANGLE Prater
 COUNTY Buchanan DISTRICT Hurricane SCALE 1" = 400' DATE 1-04-2017

This Plat is a new plat ___; an updated plat ___; or a final location plat x

+ Denotes the location of a well on United States topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown.



 Licensed Professional Engineer or Licensed Land Surveyor

Exhibit A

VCI-531625 PLAT
TRACT OWNERSHIP INFORMATION SCHEDULE
1/4/2017

- 1 . T-615
A.B. Nichols
241.49 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 48.40 Ac. 82.35%

- 2 . TC-224
John H. Duty
321 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. - (CBM)
Lease No. 241909L
Geneva Owens - oil & gas (CBM) (Life Estate)
Gary Roger & Agnes Hurley - oil & gas (CBM) (Remainder)
98 Acres
Gas 4.63 Ac. 7.88%

- 3 . Lease No. 243317L (Partially Leased)
Meredith Ellis Jennings, et al -
coal, oil, gas & CBM
93.34 Acres
Gas 0.92 Ac. 1.57%

- 4 . Lease No. 243957L
86.50 Acres
J.D. Nicewonder, et al -
coal, oil, gs & CBM (1/2 Int.)
Agreement No. 30460
Garden Realty -
coal, oil, gs & CBM (1/2 Int.)
Consol Energy - lessee
Gas 4.82 Ac. 8.20%

Exhibit "B"
VCI-531625

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-W/C, L.P. Attn: Jim McKinney 405 West Main Street Abingdon, VA 24210 Tax # Minerals Only	Owner	82.35000000	46.40000000
2	EnerVest Energy Institutional Fund XIV-A, L.P. & EnerVest Energy Institutional Fund XIV-W/C, L.P. Attn: Jim McKinney 405 West Main Street Abingdon, VA 24210 Tax # Minerals Only	Owner	7.88000000	4.63000000
3	Tax # Minerals Only Buchanan Realty Co LLC 4710 Hunterwood Circle Richmond, TX 77406	Unleased	0.39250000	0.23000000
	Meredith Ellis Jennings 542 Butler Mill Rd Maryville, TN 37603	Unleased	0.07850000	0.04600000
	Sarah Hoback Weaver Heirs: Allison Paige Weaver Mangrum 3217 Playton Ct Franklin, TN 37064	Unleased	0.04415625	0.02567500
	Jeffery Robert Weaver 7255 Mayberry Ln State College, PA 16801-6955	Leased	0.04415625	0.02567500
	Virginia P Linwick 4324 South Ball Dr Veradale, WA 99037	Unleased	0.03925000	0.02300000
	Carl E McAfee Po Box 656 Norton, VA 24273	Leased	0.03925000	0.02300000
	John W Pobst Jr Po Box 85 Revere, PA 18953	Unleased	0.03925000	0.02300000
	Catherine Pobst 111 Postelle St Cartersville, GA 30120-5786	Unleased	0.03925000	0.02300000
	Richard K Pobst 1024 Oxford Dr St Augustine, FL 32084-1821	Unleased	0.03925000	0.02300000
	The Estate of Hugh P Cline, Sr and Nancy Cline C/O Hugh P Cline, Jr and Virginia Cline Black Executors of Estate 312 Henry St Norton, VA 24273	Leased	0.03925000	0.02300000
	Jennifer Lynn Peterson 1014 7th St Charleston, IL 61920	Unleased	0.07195833	0.04216667
	John Tolman Sheffield Trust C/O EB Seal 204 Verde Park Blvd Center Point, TX 78010	Unleased	0.19625000	0.11500000
	Lucille Vicars Po Box 797 Wise, VA 24293-0797	Unleased	0.07850000	0.04600000
	Orvn Treadway Sheffield Trust 204 Verde Park Blvd Center Point, TX 78010	Unleased	0.19625000	0.11500000
	Sandra Hoback Kidwell 2010 Cypress Dr Culpepper, VA 22701-4067	Leased	0.06831250	0.05175000
	Elizabeth Jean McCutchen 8601 Leesburg St Lincoln, NE 68516-5416	Unleased	0.07195833	0.04216667
	Robert Dexter Crockett 10677 San Gabriel Way Valley Center, CA 92082-3120	Unleased	0.07195833	0.04216667
	Tract 3 Totals		1.87000000	0.92000000
4	Tax # Minerals Only J D Nicowonder Jr 148 Bristol East Rd Bristol, VA 24202-5500	Leased	1.36866667	0.80333333
	Kenneth D Nicowonder 15314 Majestic Dr Bristol, VA 24202-3924	Leased	1.36866667	0.80333333
	Wilma Overbey Heirs: Charles O Overbey Jr 5914 Chamerlayne Rd Richmond, VA 23227-1947	Leased	0.68333333	0.40166667
	John Dallas Overbey 3180 Lee Hwy Martinsburg, VA 24354	Leased	0.68333333	0.40166667
	Garden Realty Corporation C/O Margaret Burns 108 Bexley Road Mooreville, WV 28117	Leased CNX Lessee	4.10000000	2.41000000
	Tract 4 Totals		8.20000000	4.82000000
	TOTAL COAL ESTATE		100.00000000	58.77000000
	Percentage of Unit Leased		96.84096875	
	Percentage of Unit Unleased		1.35903125	
	Acreage in Unit Leased		57.97362500	
	Acreage in Unit Unleased		0.79637500	

Exhibit "B"
VCI-531625

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: Jim McKinney 408 West Main Street Abingdon, VA 24210 Tax # Minerals Only	Owner	82.35000000	48.40000000
2	Tax # Minerals Only Sarah Geneva Owens 193 Don Stevens Drive Honaker, VA 24260-7265	Leased Life Estate	7.88000000	4.63000000
	Agnes Hurley 5428 Murphy Road Vansant, VA 24656	Leased Remainder	0.00000000	0.00000000
3	Tax # Minerals Only Buchanan Realty Co LLC 4710 Hunterwood Circle Richmond, TX 77406	Unleased	0.39250000	0.23000000
	Meredith Ellis Jennings 542 Butler Mill Rd Maryville, TN 37803	Unleased	0.07850000	0.04600000
	Sarah Hoback Weaver Heirs: <i>Allison Paige Weaver Mangrum</i> 3217 Peyton Ct Franklin, TN 37064	Unleased	0.04415625	0.02587500
	<i>Jeffery Robert Weaver</i> 1255 Mayberry Ln State College, PA 16801-6955	Leased	0.04415625	0.02587500
	Virginia P Linwick 4324 South Ball Dr Veradale, WA 99037	Unleased	0.03925000	0.02300000
	Carl E McAfee Po Box 656 Norton, VA 24273	Leased	0.03925000	0.02300000

John W Pobst Jr Po Box 86 Revere, PA 18953	Unleased	0.03925000	0.02300000
Catherine Pobst 111 Postelle St Cartersville, GA 30120-5786	Unleased	0.03925000	0.02300000
Richard K Pobst 1024 Oxford Dr St Augustine, FL 32084-1821	Unleased	0.03925000	0.02300000
The Estate of Hugh P Cline, Sr and Nancy Cline: <i>Virginia Cline Black</i> <i>312 Henry St</i> <i>Norton, VA 24273</i>	Leased	0.01962500	0.01150000
<i>Hugh P Cline, Jr</i> <i>304 Chestnut Street</i> <i>Norton, VA 24273</i>	Leased	0.01962500	0.01150000
Jennifer Lynn Peterson 1014 7Th St Charleston, IL 61920	Unleased	0.07195833	0.04216667
John Tolman Sheffield Trust C/O EB Seal 204 Verde Park Blvd Center Point, TX 78010	Unleased	0.19625000	0.11500000
Lucille Vicars Po Box 797 Wise, VA 24293-0797	Unleased	0.07850000	0.04600000
Oryn Treadway Sheffield Trust 204 Verde Park Blvd Center Point, TX 78010	Unleased	0.19625000	0.11500000
Sandra Hoback Kidwell 2010 Cypress Dr Culpepper, VA 22701-4067	Leased	0.08831250	0.05175000
Elizabeth Jean Mccutchen 6601 Leesburg St Lincoln, NE 68516-5416	Unleased	0.07195833	0.04216667
Robert Dexter Crockett 10877 San Gabriel Way Valley Center, CA 92082-3120	Unleased	0.07195833	0.04216667
Tract 3 Totals		1.57000000	0.92000000

4	Tax # Minerals Only J D Nicewonder Jr 148 Bristol East Rd Bristol, VA 24202-5500	Leased	1.36666667	0.80333333
	Kenneth D Nicewonder 15314 Majestic Dr Bristol, VA 24202-3924	Leased	1.36666667	0.80333333
	Wilma Overbey Heirs: <i>Charles O Overbey Jr</i> <i>5914 Chamerlayne Rd</i> <i>Richmond, VA 23227-1947</i>	Leased	0.68333333	0.40166667
	<i>John Dallas Overbey</i> <i>3180 Lee Hwy</i> <i>Marion, VA 24354</i>	Leased	0.68333333	0.40166667
	Garden Realty Corporation C/O Margeret Burns 108 Bexley Road Mooresville, WV 28117	Leased CNX Lessee	4.10000000	2.41000000
	Tract 4 Totals		8.20000000	4.82000000
	TOTAL GAS ESTATE		100.00000000	58.77000000
	Percentage of Unit Leased	98.64096875		
	Percentage of Unit Unleased	1.35903125		
	Acreage in Unit Leased	57.97362500		
	Acreage in Unit Unleased	0.79637500		

Exhibit "B-3"
VCI-531625

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
3	Tax # Minerals Only Buchanan Realty Co LLC 4710 Hurtenwood Circle Richmond, TX 77408	Unleased	0.39250000	0.23000000
	Meredith Ellis Jennings 542 Butler Mill Rd Maryville, TN 37603	Unleased	0.07850000	0.04600000
	Sarah Hoback Weaver Heirs: Allison Paeve Weaver Mancum 3217 Payton Ct Franklin, TN 37064	Unleased	0.04415625	0.02587500
	Virginia P Linwick 4324 South Ball Dr Veradale, WA 99037	Unleased	0.03925000	0.02300000
	John W Pobst Jr Po Box 86 Revere, PA 18953	Unleased	0.03925000	0.02300000
	Catherine Pobst 111 Postelle St Cartersville, GA 30120-5786	Unleased	0.03925000	0.02300000
	Richard K Pobst 1024 Oxford Dr St Augustine, FL 32084-1821	Unleased	0.03925000	0.02300000
	Jennifer Lynn Peterson 1014 7th St Charleston, IL 61920	Unleased	0.07195833	0.04216667
	John Tolman Sheffield Trust C/O EB Seal 204 Verde Park Blvd Center Point, TX 78010	Unleased	0.19625000	0.11500000
	Lucile Vicars Po Box 797 Wise, VA 24293-0797	Unleased	0.07850000	0.04600000
	Oryn Treadway Sheffield Trust 204 Verde Park Blvd Center Point, TX 78010	Unleased	0.19625000	0.11500000
	Elizabeth Jean McCutchen 6601 Leesburg St Lincoln, NE 68516-5416	Unleased	0.07195833	0.04216667
	Robert Dexter Crockett 10877 San Gabriel Way Valley Center, CA 92082-3120	Unleased	0.07195833	0.04216667
	Tract 3 Totals		1.36903126	0.79637500
	TOTAL GAS ESTATE		1.36903126	0.79637500

Tract	Lessor	Lease Status	Interest Within	Gross Acreage
Coal Estate Only				
3	Tax # Minerals Only Buchanan Realty Co LLC 4710 Hurtenwood Circle Richmond, TX 77408	Unleased	0.39250000	0.23000000
	Meredith Ellis Jennings 542 Butler Mill Rd Maryville, TN 37603	Unleased	0.07850000	0.04600000
	Sarah Hoback Weaver Heirs: Allison Paeve Weaver Mancum 3217 Payton Ct Franklin, TN 37064	Unleased	0.04415625	0.02587500
	Virginia P Linwick 4324 South Ball Dr Veradale, WA 99037	Unleased	0.03925000	0.02300000
	John W Pobst Jr Po Box 86 Revere, PA 18953	Unleased	0.03925000	0.02300000
	Catherine Pobst 111 Postelle St Cartersville, GA 30120-5786	Unleased	0.03925000	0.02300000
	Richard K Pobst 1024 Oxford Dr St Augustine, FL 32084-1821	Unleased	0.03925000	0.02300000
	Jennifer Lynn Peterson 1014 7th St Charleston, IL 61920	Unleased	0.07195833	0.04216667
	John Tolman Sheffield Trust C/O EB Seal 204 Verde Park Blvd Center Point, TX 78010	Unleased	0.19625000	0.11500000
	Lucile Vicars Po Box 797 Wise, VA 24293-0797	Unleased	0.07850000	0.04600000
	Oryn Treadway Sheffield Trust 204 Verde Park Blvd Center Point, TX 78010	Unleased	0.19625000	0.11500000
	Elizabeth Jean McCutchen 6601 Leesburg St Lincoln, NE 68516-5416	Unleased	0.07195833	0.04216667
	Robert Dexter Crockett 10877 San Gabriel Way Valley Center, CA 92082-3120	Unleased	0.07195833	0.04216667
	Tract 3 Totals		1.36903126	0.79637500
	TOTAL COAL ESTATE		1.36903126	0.79637500

Company: EnerVest Operating, LLC.

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

AFE # 2016DD0182	
Well Name: VCI-531625	
Location: BUCHANAN, VA	
Expected Pay Zones: PENNSLVANIA COALS	
Proposed Work: DRILL, COMPLETE AND PLACE INTO PRODUCTION	
Property #	Version # 1
Field: NDRA FIELD	Completed By: TEAM
Operator: EnerVest Operating, LLC.	Date: 11/1/2016
Estimated Total Depth: 2,500 FT	AAPG Class: DEVELOPMENT
Participant(s): EnerVest Operating, LLC.	W.L. 100% Amount: \$317,400

	Description	Casing Point	Completion	Total Cost
	Leasehold Costs	\$0	\$0	\$0
	Permit / Title Opinion / Survey / Insurance	\$13,000	\$0	\$13,000
	Building Location/Materials	\$15,000	\$0	\$15,000
	Roads / Stone / Culverts	\$8,000	\$0	\$8,000
	Surface Damages	\$0	\$0	\$0
	Drilling - Footage	\$40,000	\$0	\$40,000
	Drilling - Mobilization	\$0	\$0	\$0
	Drilling - Dayrate	\$0	\$0	\$0
	Mud & Chemicals (Drilling)	\$0	\$0	\$0
	Fuel	\$0	\$0	\$0
I	Cement Services	\$8,500	\$0	\$8,500
T	Open Hole Logging & Testing	\$9,400	\$6,000	\$9,400
A	Trucking / Dozer / Drilling	\$2,000	\$0	\$2,000
N	Renta Tools & Equipment / Drilling	\$500	\$0	\$500
G	Drilling - Bits	\$100	\$0	\$100
B	Technical Supervision / Drilling	\$0	\$0	\$0
L	Fresh Water Hauling (Drilling)	\$2,000	\$0	\$2,000
E	Overhead Rate	\$6,000	\$1,000	\$7,000
S	Misc. & Contingencies (Insurance)	\$300	\$0	\$300
	Locator Rigs/Stone/Culverts	\$0	\$1,000	\$1,000
	Trucking / Dozer / Completion	\$0	\$5,000	\$5,000
	Technical Supervision / Completion	\$0	\$0	\$0
	Cased Hole Logging / Perforating	\$0	\$10,000	\$10,000
	Stimulation / Fracturing	\$0	\$65,000	\$65,000
	Completion Rig	\$0	\$1,000	\$1,000
	Reclamation & Damages	\$10,000	\$5,000	\$15,000
	Haul Pit Water / Disposal	\$0	\$2,000	\$2,000
	Cement Production Casing	\$0	\$1,000	\$1,000
	Renta Tools & Equipment (Completion)	\$0	\$4,500	\$4,500
	Fresh Water Hauling (Completion)	\$0	\$3,500	\$3,500
	Roundabout Labor	\$1,500	\$2,000	\$3,500
	Environmental & Safety	\$500	\$500	\$1,000
	TOTAL INTANGIBLES	\$111,800	\$127,800	\$239,300

	Description	Casing Point	Completion	Total Cost	
T	Conductor	Ft	\$700	\$0	\$700
A	70 0.875 Surface Csg	Ft	\$4,300	\$0	\$4,300
N	19 0.875 Intermediate Csg	Ft	\$0	\$0	\$0
G	4 1/2" 8.5 10ft M-65 Production Csg	Ft	\$0	\$12,300	\$12,300
I	4 1/2" 10.5 10ft M-65 Production Csg	Ft	\$0	\$0	\$0
B	2-3/8" 4.7 10ft J55 Prod Production Tubing	Ft	\$0	\$8,300	\$8,300
L	Wellhead Equipment / Fittings	\$2,400	\$10,200	\$12,600	
E	Tank Batter	\$0	\$7,600	\$7,600	
S	Separator / Heater / Treater	\$0	\$5,000	\$5,000	
	Gas Lift Equipment	\$0	\$0	\$0	
	Pads / Stuffing Box	\$0	\$3,900	\$3,900	
	Downhole Pump	\$0	\$1,500	\$1,500	
	Pumping Unit / Motor	\$0	\$10,000	\$10,000	
	Electric Service & Equipment	\$0	\$0	\$0	
	Valves & Fittings	\$0	\$0	\$0	
	Flow Line labor/material	\$0	\$3,000	\$3,000	
	Sales line labor/material	\$0	\$10,500	\$10,500	
	TOTAL TANGIBLES	\$7,900	\$70,200	\$78,100	

GRAND TOTAL WELL COST \$119,700 \$197,700 \$317,400

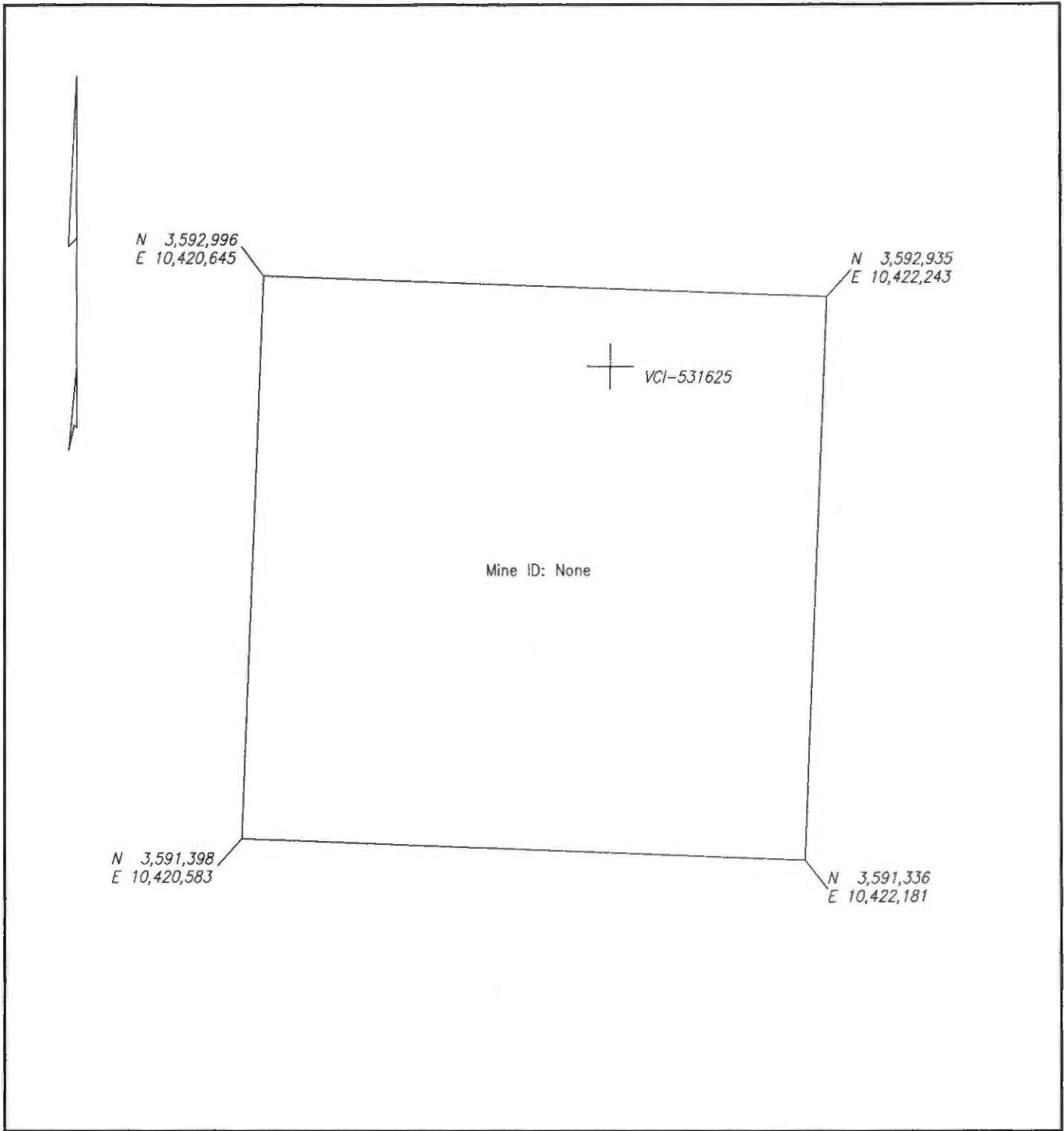
Logging & Abandonment \$10,000

Production Costs : \$317,400 Dry Hole Costs : \$149,700

Operations	<i>[Signature]</i>	Date	3/16/17
Engineering	<i>[Signature]</i>	Date	3/16/17
Geology	<i>[Signature]</i>	Date	3/16/17
Land	<i>[Signature]</i>	Date	3/16/17

THIS IS AN ESTIMATE OF PROPOSED WELL DRILLING, COMPLETION, EQUIPMENT AND TUBING COSTS. THIS ESTIMATE IS AN ESTIMATE ONLY AND DOES NOT GUARANTEE THE ACTUAL COSTS. COSTS MAY VARY FROM WELL TO WELL DEPENDING ON ACTUAL WELL DEPTH AND OTHER FACTORS INCLUDING, BUT NOT LIMITED TO, SEASONAL WATER LEVELS, WEATHER CONDITIONS, AND UNUSUAL GEOLOGICAL CONDITIONS.

Exhibit C



WELL & MINE LOCATION MAP NORA GRID AT-81

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER VCI-531625
 QUADRANGLE Prater PERMIT NO. _____ SCALE 1" = 400' DATE 5-11-2016

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