

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant:	EnerVest Operating, L.L.C.)	
)	
Relief Sought:	Pooling VCI-531608 Nora Grid AS-82)	
	Nora Coalbed Gas Field)	
Legal)	
Description:)	
	A.B. Nichols T-615 Tract)	Docket Number:
	241.49 acres, more or less)	VGOB-16-0816-4095
	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-531608 Nora Grid AS-82 under such plan in the lands involved herein so as to produce oil, gas and coalbed methane from the proposed unit.

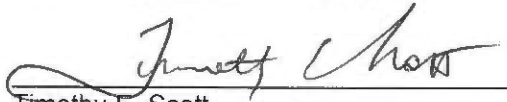
- (b) A Well work permit for well number VCI-531608 Nora Grid AS-82 is currently or is anticipated to be pending before the Department of Mines, Minerals and Energy.
- (c) Applicant has exercised due diligence to locate each of the oil, gas and coalbed methane interest owners named herein at Exhibit 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-531608 Nora Grid AS-82 should be pooled for the development and operation thereof.
- (d) Applicant proposes to drill at the permitted location to an approximate depth of 2,143 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 \$348,850.00 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 620 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-531608 Nora Grid AS-82, and (I) authorizing the drilling and operation of a well for the production of oil, gas and coalbed methane from the pooled acreage; (II) designating Applicant as the party authorized to drill and operate such well; (III) prescribing the time, manner, and other conditions under which unleased parties owning an interest in the oil, gas and coalbed methane may elect to participate in the operation of such well, or to exercise their rights of election under the applicable statutes; (IV) providing that all reasonable costs and expenses of drilling, completing, equipping, operating, plugging and abandoning such well shall be borne, and all production therefrom, shared, by all participating parties in the proportion which the acreage in the pooled tracts owned or under lease to each such participating party bears to the total acreage in such unit; and (V) making provision for the payment of all reasonable costs of the operation, including a reasonable supervision fee, to the Applicant by all parties who elect to participate therein or who elect to be carried interest owners.

Dated this 15th day of July, 2016.

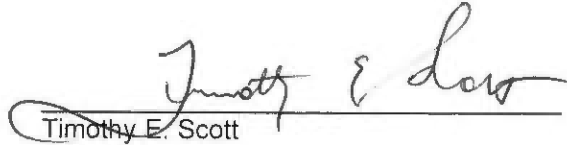
ENERVEST OPERATING, L.L.C



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

VERIFICATION

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



Timothy E. Scott

MCKINNIS & SCOTT

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant:	EnerVest Operating, L.L.C.)	
)	
)	
Relief Sought:	Pooling)	
)	
Location:	See Exhibit "A")	Docket No.
Well Number:	VCI-531608 Nora Grid AS-82)	VGOB-16-0816-4095
	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: August 16, 2016
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-531608 Nora Grid AS-82 as 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-531608 Nora Grid AS-82, containing approximately 58.77 acres, located on the above-referenced tracts situated approximately 5,075 feet northeast of the intersection of Virginia Route 663 and Herringbone Road and approximately 4,650 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 August 16, 2016**, at the **Russell County Conference Center, Highland Drive**, Lebanon, Virginia, and that notice will be published as required by the law and the rules of the Board.

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

DATED this 15th day of July, 2016.

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



Timothy E. Scott

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

CERTIFICATE OF SERVICE

I, Timothy E. Scott, of Counsel for EnerVest Operating, L.L.C., hereby certify that I have on this, the 15th day of July, 2016, caused the foregoing notice and application to be served upon parties listed herein, at their address, by certified mail, return receipt requested.

Dated this 15th day of July, 2016.

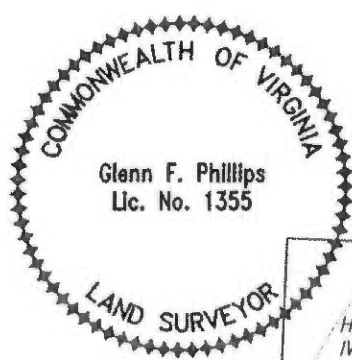


Timothy E. Scott
MCKINNIS & SCOTT

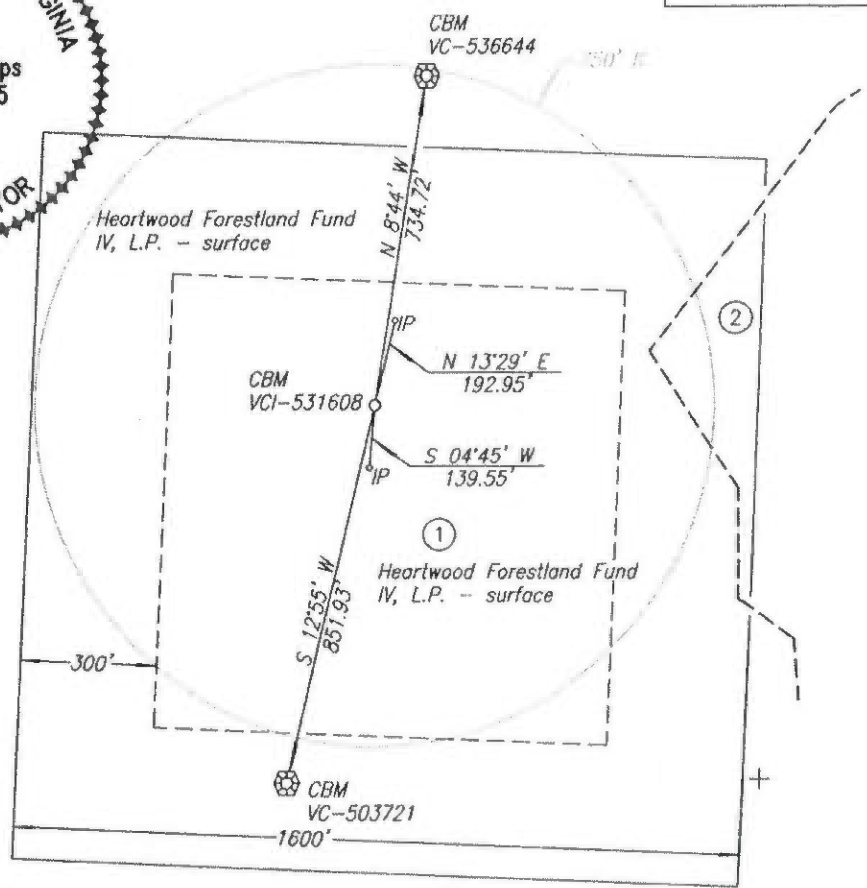
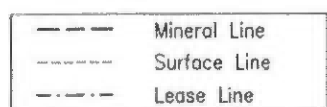
3,520'

Well Coordinates: (Geographic N83)
37.137206° -82.136931°

Latitude 37° 10' 00"



Note: See Attached Tract
Ownership Information Schedule



Longitude -82° 07' 30"

10,765'

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-531608 ... 10-4-10." They are not based upon a current field 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: (UTM N27, Zone 17)
N 13,485,808.50 E 1,309,069.90

Well Coordinates: (VA St. Plane S. Zone, NAD 83 (1993))
N 3,593,931.26 E 10,423,038.28

Well Coordinates: (VA St. Plane S. Zone, NAD 27 Calculated from NAD 83 (1993))
N 313,054.32 E 940,052.12

Well Coordinates: (Clinchfield Coal Co.)
N 13,527.03 E 71,857.38

WELL LOCATION PLAT NORA GRID AS-82

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER VCI-531608
TRACT NO. J-615 ELEVATION 1,840.80' QUADRANGLE Prater
COUNTY Buchanan DISTRICT Hurricane SCALE 1" = 400' DATE 7-14-2016

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.

Glenn F. Phillips

Licensed Professional Engineer or Licensed Land Surveyor

Exhibit A

VCI-531608 PLAT
TRACT OWNERSHIP INFORMATION SCHEDULE
7/13/2016

- 1 . T-615
 - A.B. Nichols, et al.
 - 241.49 Acres
 - ACIN LLC - coal
 - Alpha Land & Reserves LLC - coal lessee
 - WBRD LLC - coal
 - Dickenson-Russell Coal Company 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 56.61 Ac. 96.32%

- 2 . Partial Lease No. 245731L
 - R.I. Boyd Heirs - oil , gas & CBM
 - 30 Acres
 - 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
 - Levisa Coal Co. - coal
 - Gas 2.16 Ac. 3.68%

Exhibit "B"
VCI-531608
Docket Number: VGOB-0816-4095

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Coal Estate Only				
1	EnerVest Energy Institutional Fund XIV-A, L.P. & EnerVest Energy Institutional Fund XIV-WIC, L.P. Attn: Jim McKinney 408 West Main Street Abingdon, VA 24210 Tax # Minerals Only	Owner	96.32000000	56.61000000
2	Levisa Coal Company Attn: John Irvin 4710 Hunterwood Circle Richmond, TX 77469 Tax # Minerals Only	CNX Lessee	3.68000000	2.16000000
TOTAL GAS ESTATE			100.00000000	58.77000000
Percentage of Unit Leased		96.32000000		
Percentage of Unit Unleased		3.68000000		
Acreage in Unit Leased		56.61000000		
Acreage in Unit Unleased		2.16000000		

Exhibit "B"
VCI-531608

Docket Number: VGOB-16-0816-4095

Tract	Lessor	Lease Status	Interest Within	Gross Acreage
Gas Estate Only				
1	EnerVest Energy Institutional Fund XIV-A, L.P. & EnerVest Energy Institutional Fund XIV-WIC, L.P. Attn: Jim McKinney 408 West Main Street Abingdon, VA 24210 Tax # Minerals Only	Owner	96.32000000	56.61000000
2	Tax # 2HH-190-028 Scott Boyd 210 County Line Road Cedar Bluff, VA 24609	Leased	0.06571429	0.03857143
	Larry Boyd 156 Burhead Drive Haysi, VA 24256	Leased	0.06571429	0.03857143
	Michael Boyd 518 Fish Pond Road Haysi, VA 24256	Leased	0.06571429	0.03857143
	James Boyd P.O. Box 416 Haysi, VA 24256	Leased	0.06571429	0.03857143
	Clyde Boyd P.O. Box 403 Clinchco, VA 24226	Leased	0.26285714	0.15428571
	Hazel Neely PO Box 155 Davenport, VA 24239	Leased	0.05841270	0.03428571
	Jeanette James 2371 Drill Road Honaker, VA 24260	Leased	0.05841270	0.03428571
	Judy & Jennings Boyd 3501 Boyds Ridge Road Vansant, VA 24256	Unleased	0.05841270	0.03428571

Brenda Sue Duty 1222 Boyds Ridge Road Vansant, VA 24256	Unleased	0.05841270	0.03428571
Ralph Boyd P.O. Box 122 Maxie, VA 24628	Leased	0.05841270	0.03428571
Evelyn Coleman PO Box 97 Haysi, VA 24256	Unleased	0.05841270	0.03428571
Juanita Maddox 1226 Calla Circle Fayetteville, NC 28303	Unleased	0.05841270	0.03428571
Arville Deel PO Box 144 Davenport, VA 24239	Leased	0.05841270	0.03428571
Margie Wenner P.O. Box 313 Davenport, VA 24239	Leased	0.05841270	0.03428571
Helen Fields 706 Old Stage Road Surgoinsville, TN 37873	Leased	0.06571429	0.03857143
Dillard Compton 138 Maple View Dr, Lot 27 Bristol, TN 37620	Leased	0.06571429	0.03857143
Jeanette Compton Heirs: <i>Elizabeth A. Mathie</i> <i>2251 Crown Circle</i> <i>Morristown, TN 37814</i>	Leased	0.03285714	0.01928571
<i>James Compton</i> <i>600 N Haun Dr</i> <i>Morristown, TN 37814</i>	Leased	0.03285714	0.01928571
Fairy R. Bowman 293 Frying Pan Road Birchleaf, VA 24220	Leased	0.06571429	0.03857143
Troy Compton 198 Sutherland Drive Cleveland, VA 24225	Leased	0.06571429	0.03857143
Roger Compton 4445 Reeds Valley Road	Leased	0.06571429	0.03857143

Castlewood, VA 24224

Lottie Collyer C/O Helen Fields 706 Old Stage Road Surgoinville, TN 37873	Unleased	0.06571429	0.03857143
Ruby Bowman C/O Helen Fields 706 Old Stage Road Surgoinville, TN 37873	Unleased	0.06571429	0.03857143
Jearl Fletcher 161 Dawnville Rd Apt J206 Dalton, GA 30721	Leased	0.08761905	0.05142857
Glenda Kay Fletcher 8864 Helen Henderson Highway Honaker, VA 24260	Leased	0.08761905	0.05142857
Christine M. Mack 4495 W Lynwest Dr Bloomington, IN 47404	Leased	0.08761905	0.05142857
Betty S. Fletcher 1281 Old Grissom Cr Rd Honaker, VA 24260	Leased	0.08761905	0.05142857
Bethel A. Shook 1950 SE Crowberry Dr Port St. Lucie, FL 34983	Leased	0.08761905	0.05142857
Gary T. Fletcher 5692 Deskins Rd Vasant, VA 24656	Leased	0.08761905	0.05142857
Ruby Perkins 1866 Little Prater Road Grundy, VA 24614	Leased	0.10514286	0.06171429
Laura Deel 3650 Kidder Road Almont, MI 48003	Leased	0.10514286	0.06171429
Mary J McGlothlin Heirs: <i>Donald A. McGlothlin, Jr.</i> <i>P.O. Box 580</i> <i>Lebanon, VA 24266</i>	Unleased	0.34171429	0.20057143
<i>Wayne Talbert Burton, Sr.</i> <i>1010 N. Martintown Road</i> <i>McCormick, SC 29835</i>	Unleased	0.11390476	0.06685714

<i>Mary Louise LaPerla</i> <i>PO Box 188</i> <i>Davidson, MD 21035</i>	Unleased	0.11390476	0.06685714
<i>Joseph John LaPerla</i> <i>3123 Patrick Henry Dr Apt 332</i> <i>Falls Church, VA 22044</i>	Unleased	0.11390476	0.06685714
<i>Leah Ann McGlothlin</i> <i>2859 Kennel Gap Road</i> <i>Oakwood, VA 24631</i>	Unleased	0.34171429	0.20057143
<i>Kevin Timothy McGlothlin</i> <i>2285 Clifton Farm Rd.</i> <i>Honaker, VA 24260</i>	Unleased	0.34171429	0.20057143
Tract 2 Totals		3.68000000	2.16000000
TOTAL GAS ESTATE		100.00000000	58.77000000
Percentage of Unit Leased	98.26806349		
Percentage of Unit Unleased	1.73193651		
Acreage in Unit Leased	57.75342857		
Acreage in Unit Unleased	1.01657143		

Exhibit "B-3"
VCI-531608
Docket Number: VGOB-16-0816-4095
Revised 7/18/2016

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
2	Tax # 2HH-190-028 Judy & Jennings Boyd 3501 Boyds Ridge Road Vansant, VA 24256	Unleased	0.05841270	0.03428571
	Brenda Sue Duty 1222 Boyds Ridge Road Vansant, VA 24256	Unleased	0.05841270	0.03428571
	Evelyn Coleman PO Box 97 Haysi, VA 24256	Unleased	0.05841270	0.03428571
	Juanita Maddox 1226 Calla Circle Fayetteville, NC 28303	Unleased	0.05841270	0.03428571
	Lottie Collyer C/O Helen Fields 706 Old Stage Road Surgoinville, TN 37873	Unleased	0.06571429	0.03857143
	Ruby Bowman C/O Helen Fields 706 Old Stage Road Surgoinville, TN 37873	Unleased	0.06571429	0.03857143
	Mary J McGlothlin Heirs: <i>Donald A. McGlothlin, Jr.</i> <i>P.O. Box 580</i> <i>Lebanon, VA 24266</i>	Unleased	0.34171429	0.20057143
	<i>Wayne Talbert Burton, Sr.</i> <i>1010 N. Martintown Road</i> <i>McCormick, SC 29835</i>	Unleased	0.11390476	0.06685714
	<i>Mary Louise LaPerla</i> <i>PO Box 188</i> <i>Davidson, MD 21035</i>	Unleased	0.11390476	0.06685714
	<i>Joseph John LaPerla</i> <i>3123 Patrick Henry Dr Apt 332</i> <i>Falls Church, VA 22044</i>	Unleased	0.11390476	0.06685714
	<i>Leah Ann McGlothlin</i> <i>2859 Kennel Gap Road</i> <i>Oakwood, VA 24631</i>	Unleased	0.34171429	0.20057143
	<i>Kevin Timothy McGlothlin</i> <i>2285 Clifton Farm Rd.</i> <i>Honaker, VA 24260</i>	Unleased	0.34171429	0.20057143
TOTAL GAS ESTATE			1.73193651	1.01657143

Exhibit "B-3"
VCI-531608
Docket Number: VGOB-16-0816-4095

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
2	Tax # 2HH-190-028 Judy & Jennings Boyd 3501 Boyds Ridge Road Vansant, VA 24256	Unleased	0.05841270	0.03428571
	Brenda Sue Duty 1222 Boyds Ridge Road Vansant, VA 24256	Unleased	0.05841270	0.03428571
	Evelyn Coleman PO Box 97 Haysi, VA 24256	Unleased	0.05841270	0.03428571
	Juanita Maddox 1226 Calla Circle Fayetteville, NC 28303	Unleased	0.05841270	0.03428571
	Lottie Coliyer C/O Helen Fields 706 Old Stage Road Surgoinville, TN 37873	Unleased	0.06571429	0.03857143
	Ruby Bowman C/O Helen Fields 706 Old Stage Road Surgoinville, TN 37873	Unleased	0.06571429	0.03857143
	Mary J McGlothlin Heirs: Donald A. McGlothlin, Jr. P.O. Box 580 Lebanon, VA 24266	Unleased	0.34171429	0.20057143
	Wayne Talbert Burton, Sr. 1010 N. Martintown Road McCormick, SC 29835	Unleased	0.11390476	0.06685714
	Mary Louise LaPerla PO Box 188 Davidson, MD 21035	Unleased	0.11390476	0.06685714
	Joseph John LaPerla 3123 Patrick Henry Dr Apt 332 Falls Church, VA 22044	Unleased	0.11390476	0.06685714
	Leah Ann McGlothlin 2859 Kennel Gap Road Oakwood, VA 24631	Unleased	0.34171429	0.20057143
	Kevin Timothy McGlothlin 2285 Clifton Farm Rd. Honaker, VA 24260	Unleased	0.34171429	0.20057143
	TOTAL GAS ESTATE		1.73193651	1.01657143
2	ACIN, LLC Attn: Chad Mooney 5260 Irwin Rd Huntington, WV 25705-3247 Tax # Minerals Only	Unleased	3.68000000	2.16000000
	TOTAL COAL ESTATE		3.68000000	2.16000000

Company: EnerVest Operating, LLC.

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

AFE # 2016DD0128	
Well Name: VCI-531608	
Location: BUCHANAN, VA	
Expected Pay Zones: PENNSYLVANIA COALS	
Proposed Work: DRILL, COMPLETE AND PLACE INTO PRODUCTION	
Property #	Version # 1
Field: NORA FIELD	Completed By: TEAM
Operator: EnerVest Operating, LLC.	Date: 2/2/2016
Estimated Total Depth: 2,143 FT	AAPG Class: DEVELOPMENT
Participant(s): EnerVest Operating, LLC.	W.I. 100% Amount: \$ 348,850

Description	Casing Point	Completion	Total Cost
Leasehold Costs	\$0	\$0	\$0
Permit / Title Opinion / Survey / Insurance	\$4,500	\$0	\$4,500
Building Location/Materials	\$20,500	\$5,000	\$25,500
Roads / Stone / Culverts	\$10,000	\$0	\$10,000
Surface Damages	\$0	\$0	\$0
Drilling - Footage	\$35,700	\$0	\$35,700
Drilling - Mobilization	\$0	\$0	\$0
Drilling - Dayrate	\$1,600	\$0	\$1,600
Mud & Chemicals (Drilling)	\$0	\$0	\$0
Fuel	\$0	\$0	\$0
Cement Services	\$7,000	\$0	\$7,000
Open Hole Logging & Testing	\$3,300	\$0	\$3,300
Trucking / Dozer (Drilling)	\$2,000	\$0	\$2,000
Rental Tools & Equipment (Drilling)	\$2,000	\$0	\$2,000
Drilling - Bits	\$0	\$0	\$0
Technical Supervision (Drilling)	\$0	\$0	\$0
Fresh Water Hauling (Drilling)	\$2,000	\$0	\$2,000
Overhead Rate	\$1,000	\$1,000	\$2,000
Misc. & Contingencies (Insurance)	\$2,200	\$0	\$2,200
Location Rds/Stone/Culverts	\$0	\$3,000	\$3,000
Trucking / Dozer (Completion)	\$0	\$5,000	\$5,000
Technical Supervision (Completion)	\$0	\$0	\$0
Cased Hole Logging / Perforating	\$0	\$11,100	\$11,100
Stimulation / Fracturing	\$0	\$70,000	\$70,000
Completion Rig	\$0	\$11,000	\$11,000
Reclamation & Damages	\$12,000	\$0	\$12,000
Haul Pit Water / Disposal	\$2,000	\$5,000	\$7,000
Cement Production Casing	\$0	\$9,000	\$9,000
Rental Tools & Equipment (Completion)	\$0	\$8,000	\$8,000
Fresh Water Hauling (Completion)	\$0	\$7,500	\$7,500
Roustabout Labor	\$2,000	\$5,000	\$7,000
Environmental & Safety	\$1,500	\$500	\$2,000
TOTAL INTANGIBLES	\$109,200	\$141,100	\$250,300

Description	Casing Point	Completion	Total Cost
26" Conductor	\$0	\$0	\$0
26 lb/ft LS Surface Csg	\$800	\$0	\$800
19 lb/ft LS Intermediate Csg	\$3,900	\$0	\$3,900
4 1/2" 8.5 lb/ft M-65 Production Csg	\$0	\$9,300	\$9,300
4 1/2" 10.5 lb/ft M-65 Production Csg	\$0	\$0	\$0
2-3/8" 4.7 lb/ft J55 Brd Production Tubing	\$0	\$4,400	\$4,400
Wellhead Equipment / Fittings	\$3,200	\$11,000	\$14,200
Tank Battery	\$0	\$7,500	\$7,500
Separator / Heater / Treater	\$0	\$5,000	\$5,000
Gas Lift Equipment	\$0	\$0	\$0
Rods / Stuffing Box	\$0	\$3,700	\$3,700
Downhole Pump	\$0	\$1,800	\$1,800
Pumping Unit / Motor	\$0	\$10,000	\$10,000
Electric Service & Equipment	\$0	\$18,100	\$19,100
Valves & Fittings	\$0	\$0	\$0
Flow Line labor/material	\$0	\$11,600	\$11,600
Sales line labor/mat/row	\$0	\$7,250	\$7,250
TOTAL TANGIBLES	\$7,900	\$90,650	\$98,550

GRAND TOTAL WELL COST \$117,100 \$231,750 \$348,850

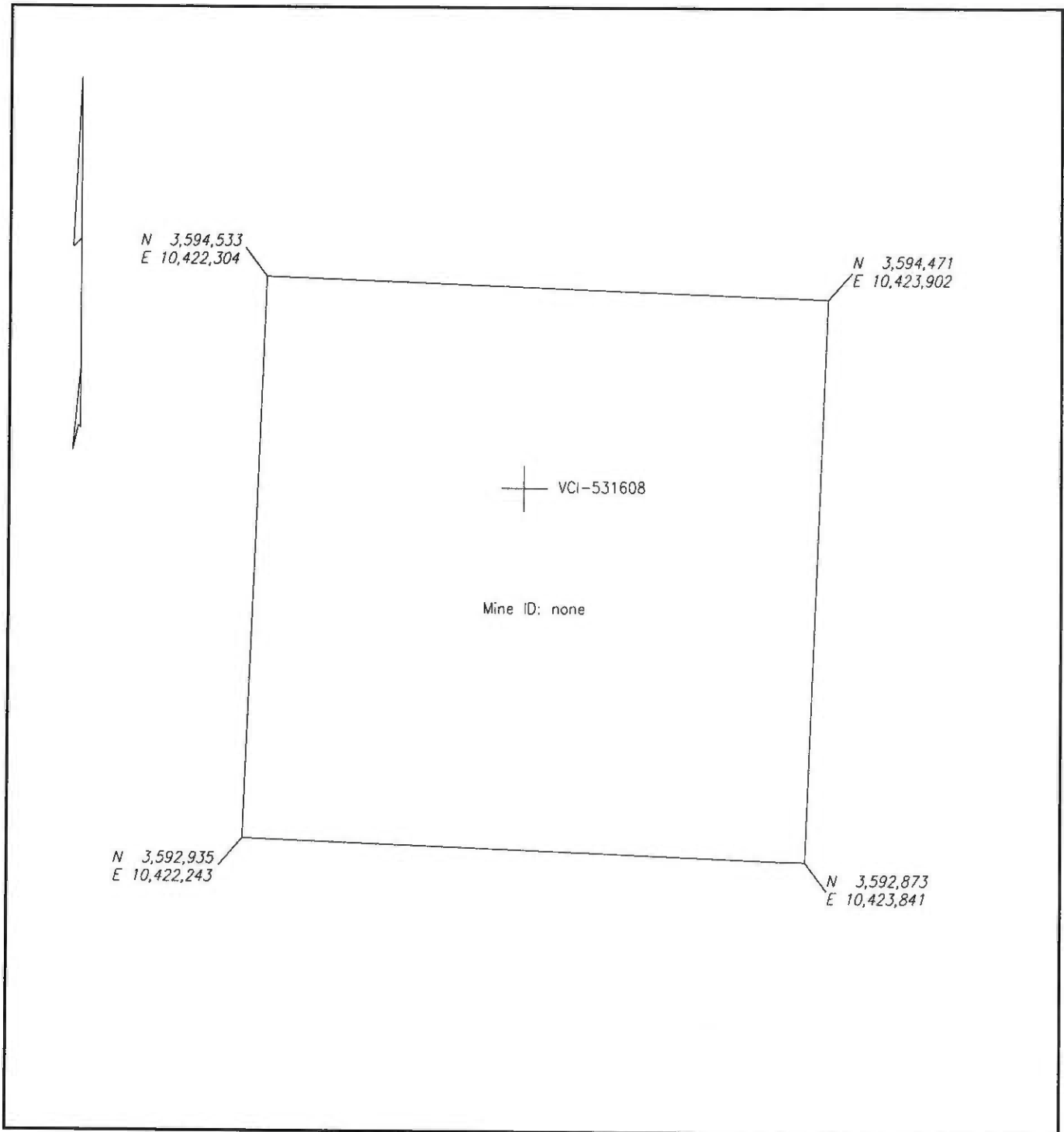
Plugging & Abandonment \$30,000

Production Costs : \$348,850 Dry Hole Costs : \$147,100

Operations	<i>[Signature]</i>	Date	7-13-16
Engineering	<i>[Signature]</i>	Date	7/13/16
Geology	<i>[Signature]</i>	Date	7/13/16
Land	<i>[Signature]</i>	Date	7/13/2016

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 & MINE LOCATION MAP NORA GRID AS-82

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER VCI-531608
 QUADRANGLE Prater PERMIT NO. _____ SCALE 1" = 400' DATE 3-14-2016

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

Exhibit L