

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant: EnerVest Operating, LLC)
)
Relief Sought: Establish Unit & Pooling Well No. V-537558)
)
Legal Description: Stephen C. Gose T-649 Tract) Docket Number:
85.00 acres, more or less) VGOB-19-0618-4216
Kenady District)
Caney Ridge Quadrangle)
Dickenson County, Virginia)
)
(See Exhibit A for Specific)
Description))

APPLICATION

SECTION 1. PARTIES

1.1 Applicant herein is EnerVest Operating, LLC, whose address is 408 West Main Street, Abingdon, Virginia 24212, and whose telephone number is (276) 628-9001. The attorney for Applicant is Timothy E. Scott, Attorneys at Law, having an address of 135 West Main Street, Suite 200, Kingsport, Tennessee, 37660, and whose telephone number is (423) 247-9376.

1.2 Applicant has the right to investigate, explore, prospect, drill for, and produce oil and/or gas underlying the drillsite tract depicted and set forth on Exhibit A attached hereto and made a part hereof. Exhibit A is a plat prepared by a licensed land surveyor or registered professional engineer showing the boundary and acreage of the Drilling Unit within which Applicant's well is proposed to be located (hereinafter referred to as the "Unit").

1.3 The names and last-known addresses of each person identified by Applicant as owning an interest of record in the oil and gas within the Unit are listed on Exhibit B, attached hereto and made a part hereof. Every individual or entity so identified as having an interest in the oil and gas in the Unit is being made a party to this application, whether known or unknown. Each of the individuals named in Exhibit B is being made a party if living; if any such individual is deceased, then the unknown heirs, devisees, executors, administrators, personal representatives, trustees and assignees, of any such deceased individual are made parties herein. Each of the entities listed in Exhibit B 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 and assigns of such dissolved corporation are made parties herein. Each of the parties listed in Exhibit B 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 of such unincorporated association are made parties herein.

SECTION 2. ALLEGATION OF FACTS

A. Pooling of Interests

2.1 Applicant hereby states that it is a "gas or oil owner" within the meaning of § 45.1-361.21 of the Code of Virginia, being the lessee of the oil and gas owner of the drillsite tract within the Unit. Applicant is the owner of the right to develop and produce oil and gas from all formations, from the surface to total depth drilled, underlying said tract of land, and to appropriate the oil and gas produced therefrom.

2.2 Applicant further states that there exists within the Unit (i) two or more separately owned tracts or (ii) separately owned interests in all or part of such Unit, within the meaning of § 45.1-361.21 A of the Code of Virginia.

2.3 Applicant further states that, as of the date of the filing of this application, it has been unable to procure a voluntary agreement from each oil and gas interest owners within the Unit, and thus is entitled to file this application to pool such interests. Those parties who have not entered into a voluntary agreement with Applicant are listed on Exhibit B-3 attached hereto and made a part hereof.

2.4 Applicant has proposed a plan of development and operation of the oil and gas formations underlying the Unit, such plan to be commenced by the drilling on the Unit of Applicant's proposed well, designated as the V-537558 Well, for the production of oil and gas from the Unit.

2.5 A well work permit for the V-537558 Well has been or will be submitted to the Department of Mines, Minerals and Energy.

2.6 Applicant has exercised due diligence to locate each of the oil and gas interest owners named herein on Exhibit B-3 and has made or is making a bona fide effort to reach an agreement with all parties as to pooling their oil and gas interest for the development and operation of the well involved herein. Simultaneously with the filing of this application, Applicant has provided notice, by certified mail, return receipt requested, to each of the parties set forth on Exhibit B pursuant to the provisions of § 45.1-361.19 of the Code of Virginia, being all parties known to the Applicant having an interest in the oil and gas underlying the Unit. Any owners whose identities or locations are unknown at the time of the filing of this application are shown on Exhibit B. Where the identity or location of any person or entity is unknown, then Applicant is unable to provide said persons or entities with written notice or personal service of this application. Any unknown or unlocatable owners, if any, in the Subject Drilling Unit are listed in Exhibit E. The oil and gas interests of such persons or entities, whether known or unknown, should be pooled for the development and operation of the Unit, so as to safeguard, protect, and enforce the correlative rights of oil and gas owners having interests within the Unit, and to prevent waste and avoid the drilling of unnecessary wells, thus allowing the orderly development of the oil and gas resources within the Unit.

B. Costs and Production

2.7 Applicant proposes to drill at the location depicted on the plat attached hereto as Exhibit A to an approximate depth of 5,589 feet to test for oil and gas from all formations from the base of the Lee, including but not limited to: Ravencliff, Maxon, Big Lime, Weir, Berea, Devonian Shale, and other associated formations know to the Nora Gas Field. Applicant estimates the cost for a well drilled to said depth to be \$574,100.00 if completed for production. Attached hereto and made a part hereof as Exhibit C is Applicant's Authority for Expenditure (AFE) which shows the estimated cost of drilling, completing, and equipping said well.

2.8 The estimated production over the life of the proposed well is 923 mmcf. Such figures regarding estimated production and the amount of any reserves for the proposed well are, however, estimates only that are not based upon actual production and should not be relied upon for any purpose.

SECTION 3. LEGAL AUTHORITY

3.1 The relief sought by this application is authorized by Virginia Code Annotated §45.1-361.20 and § 45.1-361.21 *et seq.* of the Code of Virginia and § 4 VAC 25-160-70 *et seq.* of the Gas and Oil Board Regulations of the Commonwealth of Virginia.

SECTION 4. RELIEF SOUGHT

4.1 Applicant requests the Board to enter an order as follows:

- a. Authorizing the drilling and operation of Applicant's proposed V-537558 Well, as depicted on Exhibit A;
- b. Establishing a drilling unit as depicted on Exhibit A pursuant to § 45.1-361.20 of the Code of Virginia. Pooling all the interests of every individual and entity owning an interest in oil and gas within the Unit, whether known or unknown, and their known and unknown heirs, devisees, executors, administrators, personal representatives, trustees, successors, and assigns, for the drilling, development, and production of oil and gas from the Unit;
- c. Designating EnerVest Operating, LLC, Applicant herein, as the operator who will be authorized to drill, complete, and operate the well drilled in the Unit, and the right to market and sell oil and gas produced from the Unit and attributable to the interests pooled herein;
- d. Prescribing the conditions under which the parties listed on Exhibit B-3 shall have the right to elect: (i) to sell or lease his gas or oil ownership to said operator on such terms as the parties may agree, or if unable to agree, upon such terms as are set forth by the Board in its order; (ii) to become a working interest owner by participating in the risk and cost of the well; or (iii) to participate in the operation of the well as a nonparticipating operator on a carried basis;
- e. Providing that all reasonable costs and expenses of drilling, completing, equipping, operating, plugging and abandoning the well to be drilled within the Unit shall be borne, and all production therefrom shared, by all participating parties in the proportion which their working interest bears to the total acreage in the Unit;

f. Establishing a reasonable fee for the Applicant as operator for operating costs, including a reasonable supervision fee, which shall include routine maintenance of the well and all accounting necessary to pay all expenses, royalties, and amounts due working interest owners, which fee shall be borne by all parties who elect to participate as a working interest owner or as a carried interest owner; and

g. 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.

Dated this 17th day of May, 2019.

EnerVest Operating, LLC

By: 

Timothy E. Scott

135 West Main Street, Suite 200
Kingsport, Tennessee 37660
(423)247-9376

Attorney for Applicant

VERIFICATION

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



Timothy E. Scott
McKINNIS & SCOTT
Attorneys at Law

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant:	EnerVest Operating, L.L.C.)	
)	
Relief Sought:	Establish Unit and Pooling)	
)	
Location:	See Exhibit "A")	Docket No.
Well Number:	V-537558)	VGOB-19-0618-4216
)	
Legal)	
Description:	Stephen C. Gose T-649 Tract)	
	85.00 acres, more or less)	
	Kenady District)	
	Caney Ridge Quadrangle)	
	Dickenson County, Virginia)	

NOTICE OF HEARING

HEARING DATE: June 18, 2019
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 and gas in and underlying the unit surrounding Well Number V-537558 as 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 establishing a drilling unit and 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 from the V-537558 Unit Well, containing approximately 112.69 acres, located on the above-referenced tracts situated approximately 1,550 feet northeast of the intersection of Virginia State Route 634 and Slemp Hollow Road and approximately 9,700 feet southeast of Hibbits Gape located in the Kenady District, Caney Ridge 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

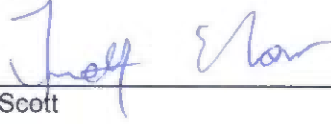
h. Granting such other relief as is merited by the evidence and is just and equitable, whether or not such relief has been specifically requested herein.

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 June 18, 2019** at the **Russell County Conference Center, Highland Drive**, Lebanon, Virginia, and that notice will be published as required by the law and the rules of the Board.

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

DATED this 17th day of May, 2019.

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



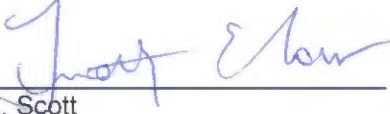
Timothy E. Scott

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

CERTIFICATE OF SERVICE

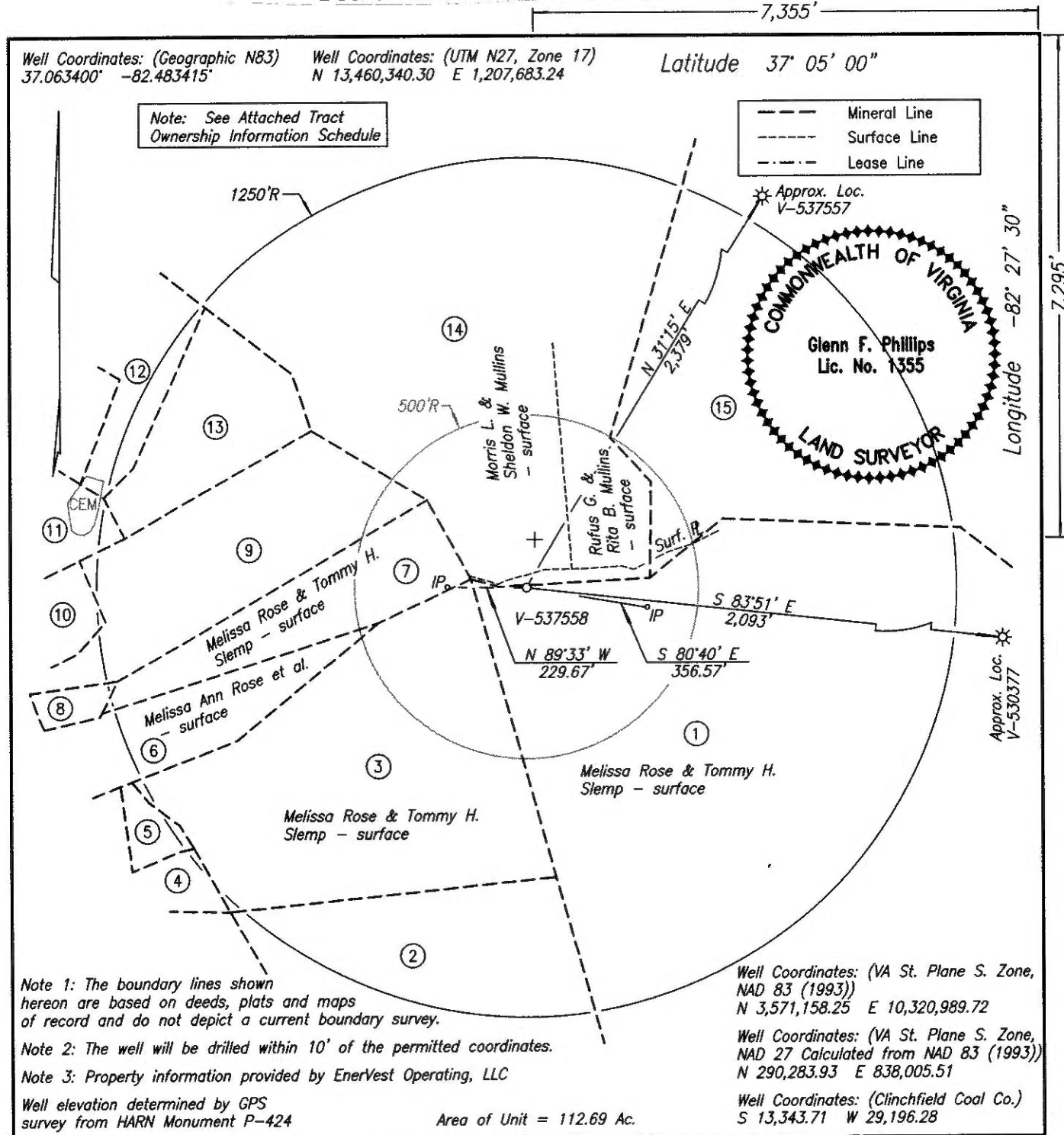
I, Timothy E. Scott, of Counsel for EnerVest Operating, L.L.C., hereby certify that I have on this, the 17th day of May, 2019, caused the foregoing notice and application to be served upon parties listed herein, at their address, by certified mail, return receipt requested.

Dated this 17th day of May, 2019.



Timothy E. Scott

Exhibit A
V-537558
Docket Number: 19-0618-4216



WELL LOCATION PLAT NORA GRID BJ-19

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER V-537558
 TRACT NO. T-649 ELEVATION 2,046.85' QUADRANGLE Caney Ridge
 COUNTY Dickenson DISTRICT Kenady SCALE 1" = 400' DATE 5-8-2019

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.

~~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=A01427D00000166C50032B20
 0006EAS, cn=Glenn F Phillips
 Date: 2019.05.14 09:13:50 -0400

Exhibit A
V-537558

Docket Number: 19-0618-4216

V-537558 PLAT
TRACT OWNERSHIP INFORMATION SCHEDULE
5/8/2019

1. T-649
Stephen C. Gose
85 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
Gas 31.06 Ac. 27.56%
2. Unleased
Melissa Rose & Tommy H. Slemp, 50% ea. - oil & gas
6 Ac. (Tr. 1) & 11 Ac. (Tr. 2)
Gas 6.21 Ac. 5.51%
3. DI-27
D. A. J. Mullins
149.852 Acres
ACIN LLC - coal
Paramont Contura, LLC - coal lessee
Unleased
Melissa Rose & Tommy H. Slemp, 50% ea. - oil & gas
18 Acres
Gas 15.39 Ac. 13.66%
4. Unleased
Wanda Kiser - oil & gas
7.22 Ac. (P/O 8 Acres)
Gas 0.04 Ac. 0.04%
5. Unleased
Wanda Kiser - oil & gas
0.78 Acres
Gas 0.07 Ac. 0.06%
6. DI-27
D. A. J. Mullins
149.852 Acres
ACIN LLC - coal
Paramont Contura, LLC - coal lessee
Unleased
Melissa Ann Rose, Tammy Lynn Dotson,
Regina Darlene Couch & Tommy Lee Slemp,
25% ea. - oil & gas
ALL SUBJECT TO LIFE ESTATE OF Tom Habum Slemp, their father
2.7 Acres
Gas 2.62 Ac. 2.32%
7. DI-27
D. A. J. Mullins
149.852 Acres
ACIN LLC - coal
Paramont Contura, LLC - coal lessee
Unleased
Melissa Rose & Tommy H. Slemp, 50% ea. - oil & gas
4.5 Ac. (Tr. 5)
Gas 4.39 Ac. 3.90%

- 8 . Unleased
Melissa Rose & Tommy H. Slemp, 50% ea. - oil & gas
0.55 Ac. (Tr. 4)
Gas 0.02 Ac. 0.02%
- 9 . DI-27
D. A. J. Mullins
149.852 Acres
ACIN LLC - coal
Paramont Contura, LLC - coal lessee
Unleased
Haburn Slemp Heirs, Beatrice S. Mullins Heirs &
Judge Slemp Heirs, 33 1/3% ea. - oil & gas
P/O 18 Acres
Gas 7.15 Ac. 6.34%
- 10 . Unleased
Nina Sue Farmer - oil & gas
2 Acres
Gas 0.02 Ac. 0.02%
- 11 . Unleased
Gary Wendell Mullins - oil & gas
4 Acres
Gas 0.13 Ac. 0.12%
- 12 . Unleased
Matthew Keith - oil & gas
3.46 Acres, P/O 4.96 Acres
Gas 0.69 Ac. 0.61%
- 13 . Unleased
Nina Sue Farmer - oil & gas
4.5 Acres
Gas 4.25 Ac. 3.77%
- 14 . T2-I02
S. C. Gose
75 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
Gas 25.74 Ac. 22.84%
- 15 . T-648
Stephen Gose
526 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
Gas 14.91 Ac. 13.23%

Exhibit "B"
V-537558
Docket Number: 19-0618-4216

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 # Minerals Only	Owner	27.56000000	31.06000000
2	Tax # Minerals Only Melissa Rose 7264 Coeburn Rd Coeburn, VA 24230	Unleased	2.75500000	3.10500000
	Tommy H. Slemp 339 Tempes Br Coeburn, VA 24230	Unleased	2.75500000	3.10500000
Tract 2 Totals			5.51000000	6.21000000
3	Tax # Minerals Only Melissa Rose 7264 Coeburn Rd Coeburn, VA 24230	Unleased	6.83000000	7.69500000
	Tommy H. Slemp 339 Tempes Br Coeburn, VA 24230	Unleased	6.83000000	7.69500000
Tract 3 Totals			13.66000000	15.39000000
4	Wanda Kiser 371 Tempes Br Coeburn, VA 24230 Tax # Minerals Only	Unleased	0.04	0.04
5	Wanda Kiser 371 Tempes Br Coeburn, VA 24230 Tax # Minerals Only	Unleased	0.06	0.07
6	Tax # Minerals Only Melissa Rose 7264 Coeburn Rd Coeburn, VA 24230	Unleased	0.58000000	0.65500000

Exhibit "B"

V-537558

Docket Number: 19-0521-4211

Tammy Lynn Dotson 5400 Pole Bridge Rd Wise, VA 24293	Unleased	0.58000000	0.65500000
Regina Darlene Couch 10636 Coeburn Mtn Rd Wise, VA 24293	Unleased	0.58000000	0.65500000
Tommy Lee Slemp 121 Walleye Dr Coeburn, VA 24230	Unleased	0.58000000	0.65500000
Tract 6 Totals		2.32000000	2.62000000
7 Tax # Minerals Only			

Exhibit "B"

V-537558

Docket Number: 19-0521-4211

	Melissa Rose 7264 Coeburn Rd Coeburn, VA 24230	Unleased	1.95000000	2.19500000
	Tommy H. Slemp 339 Tempes Br Coeburn, VA 24230	Unleased	1.95000000	2.19500000
	Tract 7 Totals		3.90000000	4.39000000
8	Tax # Minerals Only Melissa Rose 7264 Coeburn Rd Coeburn, VA 24230	Unleased	0.01000000	0.01000000
	Tommy H. Slemp 339 Tempes Br Coeburn, VA 24230	Unleased	0.01000000	0.01000000
	Tract 8 Totals		0.02000000	0.02000000
9	Tax # Minerals Only Haburn Slemp Heirs Unknown	Unleased	2.11333333	2.38333333
	Beatrice S. Mullins Heirs Unknown	Unleased	2.11333333	2.38333333
	Judge Slemp Heirs Unknown	Unleased	2.11333333	2.38333333
	Tract 9 Totals		6.34000000	7.15000000
10	Tax # Minerals Only Nina Sue Farmer 4009 Coeburn Rd Coeburn, VA 24230	Unleased	0.02000000	0.02000000
11	Tax # Minerals Only Gary Wendell Mullins 120 Independence Dr Coeburn, VA 24230	Unleased	0.12000000	0.13000000
12	Tax # Minerals Only Matthew Keith 260 Independence Dr Coeburn, VA 24230	Unleased	0.61000000	0.69000000
13	Tax # Minerals Only Nina Sue Farmer 4009 Coeburn Rd Coeburn, VA 24230	Unleased	3.77000000	4.25000000

Exhibit "B"
V-537558

Docket Number: 19-0521-4211

14	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 # Minerals Only	Owner	22.84000000	25.74000000
15	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 # Minerals Only	Owner	13.23000000	14.91000000
TOTAL GAS ESTATE			100.00000000	112.69000000
Percentage of Unit Leased			63.63000000	
Percentage of Unit Unleased			36.37000000	
Acreage in Unit Leased				71.71000000
Acreage in Unit Unleased				40.98000000

Exhibit "B-3" - Unleased Owners

V-537558

Docket Number: 19-0618-4216

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
2	Tax # Minerals Only Melissa Rose 7264 Coeburn Rd Coeburn, VA 24230	Unleased	2.75500000	3.10500000
	Tommy H. Slemp 339 Tempes Br Coeburn, VA 24230	Unleased	2.75500000	3.10500000
	Tract 2 Totals		5.51000000	6.21000000
3	Tax # Minerals Only Melissa Rose 7264 Coeburn Rd Coeburn, VA 24230	Unleased	6.83000000	7.69500000
	Tommy H. Slemp 339 Tempes Br Coeburn, VA 24230	Unleased	6.83000000	7.69500000
	Tract 3 Totals		13.66000000	15.39000000
4	Wanda Kiser 371 Tempes Br Coeburn, VA 24230 Tax # Minerals Only	Unleased	0.04	0.04
5	Wanda Kiser 371 Tempes Br Coeburn, VA 24230 Tax # Minerals Only	Unleased	0.06	0.07
6	Tax # Minerals Only Melissa Rose 7264 Coeburn Rd Coeburn, VA 24230	Unleased	0.58000000	0.65500000

Exhibit "B-3"
V-537558
Docket Number: 19-0618-4216

	Tammy Lynn Dotson 5400 Pole Bridge Rd Wise, VA 24293	Unleased	0.58000000	0.65500000
	Regina Darlene Couch 10636 Coeburn Mtn Rd Wise, VA 24293	Unleased	0.58000000	0.65500000
	Tommy Lee Slemp 121 Walleye Dr Coeburn, VA 24230	Unleased	0.58000000	0.65500000
	Tract 6 Totals		2.32000000	2.62000000
7	Tax # Minerals Only Melissa Rose 7264 Coeburn Rd Coeburn, VA 24230	Unleased	1.95000000	2.19500000
	Tommy H. Slemp 339 Tempes Br Coeburn, VA 24230	Unleased	1.95000000	2.19500000
	Tract 7 Totals		3.90000000	4.39000000
8	Tax # Minerals Only Melissa Rose 7264 Coeburn Rd Coeburn, VA 24230	Unleased	0.01000000	0.01000000
	Tommy H. Slemp 339 Tempes Br Coeburn, VA 24230	Unleased	0.01000000	0.01000000
	Tract 8 Totals		0.02000000	0.02000000
9	Tax # Minerals Only Haburn Slemp Heirs Unknown	Unleased	2.11333333	2.38333333
	Beatrice S. Mullins Heirs Unknown	Unleased	2.11333333	2.38333333
	Judge Slemp Heirs Unknown	Unleased	2.11333333	2.38333333

Exhibit "B-3"
V-537558
Docket Number: 19-0618-4216

	Tract 9 Totals		6.34000000	7.15000000
10	Tax # Minerals Only Nina Sue Farmer 4009 Coeburn Rd Coeburn, VA 24230	Unleased	0.02000000	0.02000000
11	Tax # Minerals Only Gary Wendell Mullins 120 Independence Dr Coeburn, VA 24230	Unleased	0.12000000	0.13000000
12	Tax # Minerals Only Matthew Keith 260 Independence Dr Coeburn, VA 24230	Unleased	0.61000000	0.69000000
13	Tax # Minerals Only Nina Sue Farmer 4009 Coeburn Rd Coeburn, VA 24230	Unleased	3.77000000	4.25000000
	TOTAL GAS ESTATE		36.37000000	40.98000000

Company: EnerVest Operating, LLC.

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

AFE #

Well Name: V-537558

Location: Dickenson, VA

Expected Pay Zones: Ravencruff, Big Lime, Weir

Proposed Work: DRILL, COMPLETE AND PLACE INTO PRODUCTION

Property #

Field: NORA FIELD

Operator: EnerVest Operating, LLC.

Estimated Total Depth: 5,589 FT

Participant(s): EnerVest Operating, LLC.

Version # 1

Completed By: TEAM

Date: 10/16/2018

AAPG Class: DEVELOPMENT

Amount: \$574,100

Description	Casing Point	Completion	Total Cost
Roads / Stone / Culverts	\$17,000	\$0	\$17,000
Location Rds/Stone/Culverts	\$0	\$1,000	\$1,000
Building Location/Materials	\$53,000	\$5,000	\$58,000
Reclamation & Damages	\$20,000	\$0	\$20,000
Surface Damages	\$0	\$0	\$0
Permit / Title Opinion / Survey / Insurance	\$6,000	\$0	\$6,000
Drilling - Dayrate	\$6,000	\$0	\$6,000
Drilling - Footage	\$75,700	\$0	\$75,700
Completion Rig	\$0	\$11,000	\$11,000
Drilling - Bits	\$0	\$1,500	\$1,500
Mud & Chemicals (Drilling)	\$0	\$0	\$0
Fresh Water Hauling (Completion)	\$0	\$4,000	\$4,000
Cement Production Casing	\$0	\$13,000	\$13,000
Trucking / Dozer (Completion)	\$0	\$5,000	\$5,000
Cement Services	\$18,000	\$0	\$18,000
Trucking / Dozer (Drilling)	\$3,500	\$0	\$3,500
Rental Tools & Equipment (Completion)	\$0	\$5,000	\$5,000
Fresh Water Hauling (Drilling)	\$3,000	\$0	\$3,000
Cased Hole Logging / Perforating	\$0	\$21,000	\$21,000
Rental Tools & Equipment (Drilling)	\$500	\$0	\$500
Open Hole Logging & Testing	\$11,000	\$15,000	\$26,000
Stimulation / Fracturing	\$0	\$100,000	\$100,000
Roustabout Labor	\$2,500	\$5,000	\$7,500
Overhead Rate	\$2,000	\$6,000	\$8,000
Misc. & Contingencies (Insurance)	\$500	\$0	\$500
Haul Pit Water / Disposal	\$0	\$3,000	\$3,000
Drilling - Mobilization	\$0	\$0	\$0
Fuel	\$0	\$0	\$0
Technical Supervision (Drilling)	\$0	\$0	\$0
Technical Supervision (Completion)	\$0	\$0	\$0
Environmental & Safety	\$500	\$500	\$1,000
TOTAL INTANGIBLES	\$219,200	\$196,000	\$415,200

Description	Casing Point	Completion	Total Cost
1" Conductor Ft	\$1,100	\$0	\$1,100
2 1/2" 26 lb/ft LS Surface Csg Ft	\$6,000	\$0	\$6,000
2 1/2" 19 lb/ft LS Intermediate Csg Ft	\$25,500	\$0	\$25,500
4 1/2" 9.5 lb/ft M-65 Production Csg Ft	\$0	\$29,800	\$29,800
Wellhead Equipment / Fittings	\$3,400	\$12,300	\$15,700
2-3/8" 4.7 lb/ft J55 Brd Production Tubing Ft	\$0	\$17,100	\$17,100
Rods / Stuffing Box	\$0	\$0	\$0
Downhole Pump	\$0	\$1,000	\$1,000
Electric Service & Equipment	\$0	\$0	\$0
Tank Battery	\$0	\$2,700	\$2,700
Flow Line labor/material	\$0	\$33,000	\$33,000
Valves & Fittings	\$0	\$0	\$0
Separator / Heater / Treater	\$0	\$7,100	\$7,100
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	\$0	\$0
Sales line labor/mat/row	\$0	\$19,900	\$19,900
TOTAL TANGIBLES	\$36,000	\$122,900	\$158,900

GRAND TOTAL WELL COST	\$255,200	\$318,900	\$574,100
Plugging & Abandonment	\$30,000		
Production Costs :	\$574,100	Dry Hole Costs :	\$285,200

Operations *C. W. Randolph* Date *5/16/19*

Engineering *Tom Lamb* Date *5/16/2019*

Geology *[Signature]* Date *5/16/2019*

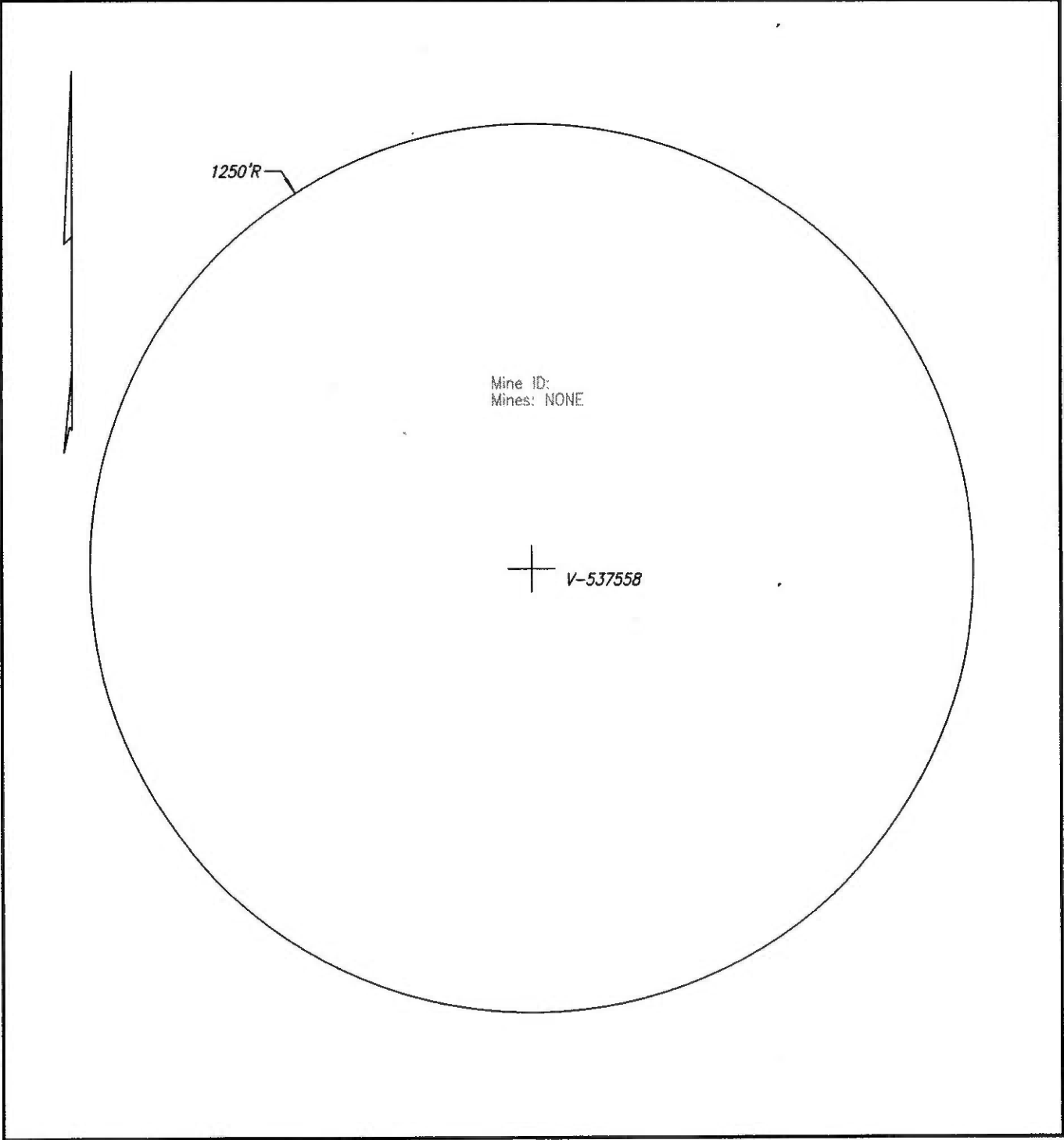
Land *[Signature]* Date *5/16/19*

THIS IS AN ESTIMATE OF PROJECTED WELL DRILLING, COMPLETION, EQUIPMENT AND PIPELINE COSTS. THESE ESTIMATES ARE PROJECTIONS ONLY AND ACTUAL SPILLED 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
 V-537558
 Docket Number: 19-0618-4216

**Exhibit "E" - Escrow Owners
V-537558
Docket Number: 19-0618-4216**

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
9	Tax # Minerals Only Haburn Slep Heirs Unknown	Unleased	2.11333333	2.38333333
	Beatrice S. Mullins Heirs Unknown	Unleased	2.11333333	2.38333333
	Judge Slep Heirs Unknown	Unleased	2.11333333	2.38333333
	Tract 9 Totals		6.34000000	7.15000000



WELL & MINE LOCATION MAP NORA GRID BJ-19

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER V-537558
QUADRANGLE Caney Ridge PERMIT NO. _____ SCALE 1" = 400' DATE 5-6-2019

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