

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant:	EnerVest Operating, L.L.C.)	
)	
)	
Relief Sought:	Pooling VCI-539783 Nora Grid AU-80)	
	Nora Coalbed Gas Field)	
Legal)	
Description:)	
	Meredith Ellis Jennings et al. Tract)	Docket Number:
	93.34 acres, more or less)	VGOB-18-0515-4176
	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 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-539783 Nora Grid AU-80 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-539783 Nora Grid AU-80 is currently or is anticipated to be pending before the Department of Mines, Minerals and Energy.

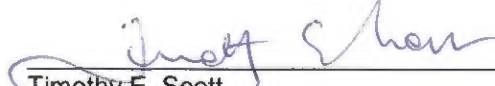
- (c) Applicant has exercised due diligence to locate each of the oil, gas and coalbed methane interest owners named herein at Exhibit B-3 and has made or is making a bona fide effort to reach an agreement with all unleased parties as to pooling their interest for the development and operation of the 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-539783 Nora AU-80 should be pooled for the development and operation thereof.
- (d) Applicant proposes to drill at the permitted location to an approximate depth of 2,610 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 \$415,700.00 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 660 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-539783 Nora Grid AU-80, 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 13th day of April, 2018.

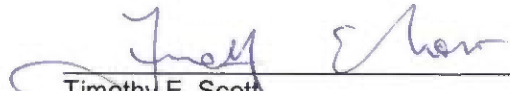
ENERVEST OPERATING, L.L.C



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

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 May 15, 2018** 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 13th of April, 2018.

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



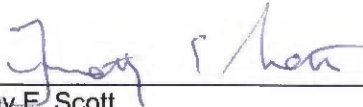
Timothy E. Scott

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 13th day of April, 2018, caused the foregoing notice and application to be served upon parties listed herein, at their address, by certified mail, return receipt requested.

Dated this 13th day of April, 2018.



Timothy E. Scott

7,345'

Well Coordinates: (Geographic N83)
37.129419° -82.150043°

Well Coordinates: (UTM N27, Zone 17)
N 13,483,020.49 E 1,305,214.66

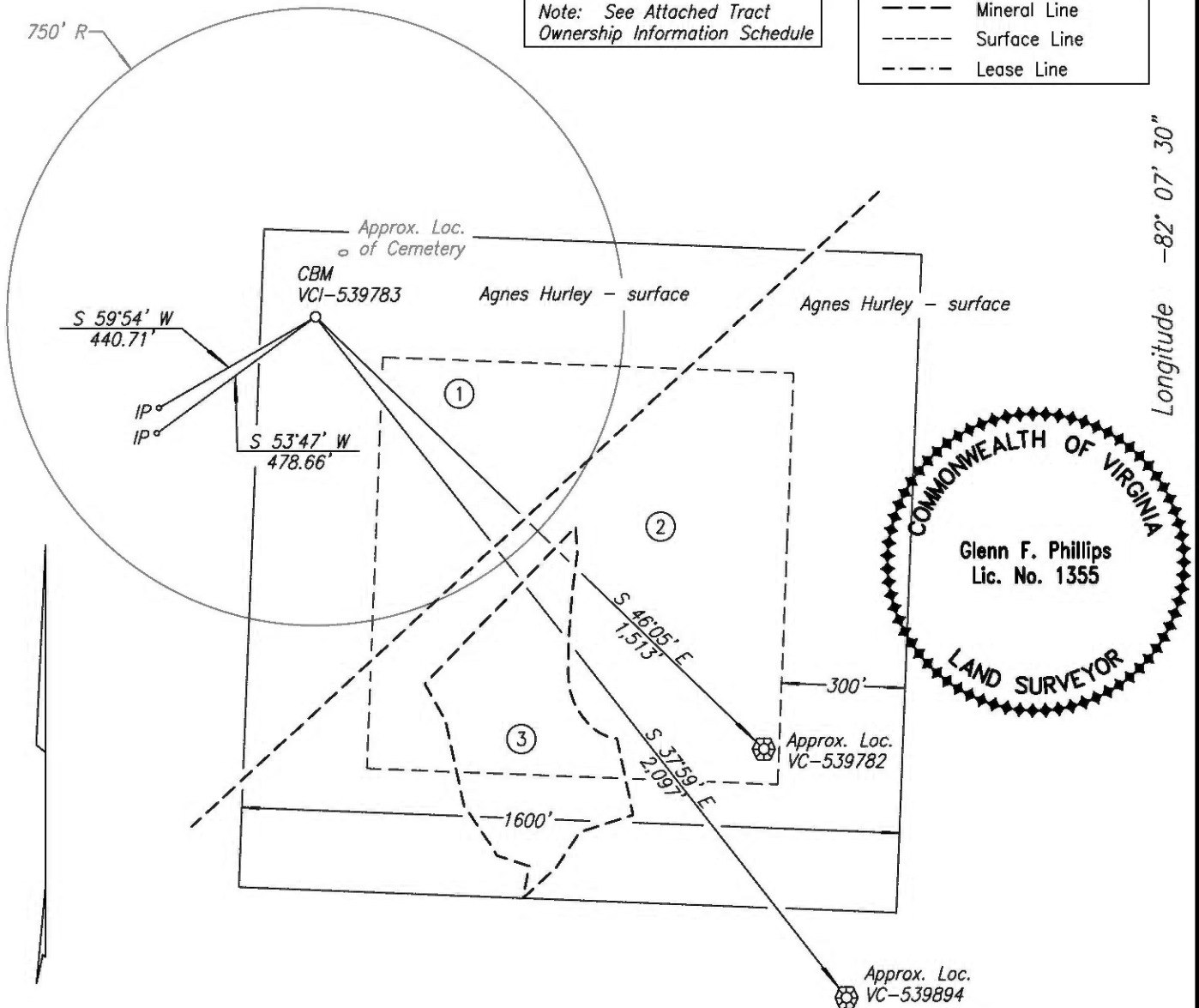
Latitude 37° 10' 00"

Note: See Attached Tract
Ownership Information Schedule

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

Longitude -82° 07' 30"

13,600'



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 3,591,245.78 E 10,419,109.41

Well Coordinates: (VA St. Plane S. Zone, NAD 27 Calculated from NAD 83 (1993))
N 310,369.02 E 936,123.34

Well Coordinates: (Clinchfield Coal Co.)
N 10,691.15 E 68,032.94

WELL LOCATION PLAT NORA GRID AU-80

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER VCI-539783
TRACT NO. Lease No. 243317L ELEVATION 2,136.76' QUADRANGLE Prater
COUNTY Buchanan DISTRICT Hurricane SCALE 1" = 400' DATE 3-23-2018

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: cn=US, o=IdenTrust ACES
Business Representative,
ou=GLENN F. PHILLIPS COMPANY
P.C., cn=Glenn F Phillips,
0.9.2342.19200300.100.1.1=A01098
0000013B66EF837500006DD
Date: 2018.03.26 15:01:28 -04'00'

VCI-539783 PLAT
TRACT OWNERSHIP INFORMATION SCHEDULE
3/23/2018

- 1 . Lease No. 243317L
Meredith Ellis Jennings et al. - coal, oil, gas & CBM
93.34 Acres
Gas 20.60 Ac. 35.05%

- 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
Lease No. 241909L
Agnes Hurley - oil, gas & CBM
93 Acres
Gas 33.17 Ac. 56.44 %

- 3 . TC-224
John H. Duty
321 Acres
ACIN LLC - coal
Paramont Contura, LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Contura, LLC - coal lessee
Unleased
James Leonard Sutherland & Otis Shey Gilbert - oil, gas & CBM
5 Acres
Gas 5.00 Ac. 8.51%

Exhibit "B"
VCI-539783
Docket No.: VGOB-18-0515-4176

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Coal Estate Only				
1	Tax # Minerals Only Buchanan Realty Co LLC 4710 Hunterwood Circle Richmond, TX 77406	Leased	8.76250000	5.15000000
	Meredith Ellis Jennings 542 Butler Mill Rd Maryville, TN 37803	Leased	1.75250000	1.03000000
	Sarah Hoback Weaver Heirs: <i>Allison Paige Weaver Mangrum</i> 3217 Peyton Ct Franklin, TN 37064	Leased	0.98578125	0.57937500
	<i>Jeffery Robert Weaver</i> 1255 Mayberry Ln State College, PA 16801-6955	Leased	0.98578125	0.57937500
	Virginia P Linwick 4324 South Ball Dr Veradale, WA 99037	Leased	0.87625000	0.51500000
	Carl E McAfee PO Box 656 Norton, VA 24273	Leased	0.87625000	0.51500000
	John W Pobst Jr PO Box 86 Revere, PA 18953	Leased	0.87625000	0.51500000
	Catherine Pobst 111 Postelle St Cartersville, GA 30120-5786	Leased	0.87625000	0.51500000
	Richard K Pobst 1024 Oxford Dr St Augustine, FL 32084-1821	Leased	0.87625000	0.51500000
	The Estate of Hugh P Cline, Sr and Nancy Cline: <i>Virginia Cline Black</i> 312 Henry St Norton, VA 24273	Leased	0.43812500	0.25750000

Exhibit "B" - Coal Estate Only; VCI-539783; Docket No.: VGOB-18-0515-4176

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
	<i>Hugh P Cline, Jr</i> 1041 Spruce Avenue NW Apt B Norton, VA 24273	Leased	0.43812500	0.25750000
	Jennifer Lynn Crockett 1014 7Th St Charleston, IL 61920	Leased	1.60645833	0.94416667
	John Tolman Sheffield Trust C/O EB Seal 204 Verde Park Blvd Center Point, TX 78010	Leased	4.38125000	2.57500000
	Lucille Vicars Po Box 797 Wise, VA 24293-0797	Leased	1.75250000	1.03000000
	Oryn Treadway Sheffield Trust 204 Verde Park Blvd Center Point, TX 78010	Leased	4.38125000	2.57500000
	Sandra Hoback Kidwell 2010 Cypress Dr Culpepper, VA 22701-4067	Leased	1.97156250	1.15875000
	Elizabeth Jean Crockett 6601 Leesburg St Lincoln, NE 68516-5416	Leased	1.60645833	0.94416667
	Robert Dexter Crockett 10877 San Gabriel Way Valley Center, CA 92082-3120	Leased	1.60645833	0.94416667
	Tract 1 Totals		35.05000000	20.60000000
2	Tax # Minerals Only Agnes Hurley 5428 Murphy Road Vansant, VA 24656	Leased	56.44000000	33.17000000
3	Tax # Minerals Only James L Sutherland and Otis S Gilbert 1824 Hollow Poplar Road Davenport, VA 24239	Unleased	8.51000000	5.00000000
	TOTAL COAL ESTATE		100.00000000	58.77000000
	Percentage of Unit Leased		91.49000000	
	Percentage of Unit Unleased		8.51000000	
	Acreage in Unit Leased		53.77000000	
	Acreage in Unit Unleased		5.00000000	

Exhibit "B"
VCI-539783
Docket No.: VGOB-18-0515-4176

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Gas Estate Only				
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	<i>Jeffery Robert Weaver</i> 1255 Mayberry Ln State College, PA 16801-6955	Leased	0.98578125	0.57937500
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	Catherine Pobst 111 Postelle St Cartersville, GA 30120-5786	Leased	0.87625000	0.51500000
	Richard K Pobst 1024 Oxford Dr St Augustine, FL 32084-1821	Leased	0.87625000	0.51500000
	The Estate of Hugh P Cline, Sr and Nancy Cline: <i>Virginia Cline Black</i> 312 Henry St Norton, VA 24273	Leased	0.43812500	0.25750000

Exhibit "B" - Gas Estate Only; VCI-539783; Docket No.:VGOB-18-0515-4176

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	Lucille Vicars Po Box 797 Wise, VA 24293-0797	Leased	1.75250000	1.03000000
	Oryn Treadway Sheffield Trust 204 Verde Park Blvd Center Point, TX 78010	Leased	4.38125000	2.57500000
	Sandra Hoback Kidwell 2010 Cypress Dr Culpepper, VA 22701-4067	Leased	1.97156250	1.15875000
	Elizabeth Jean Crockett 6601 Leesburg St Lincoln, NE 68516-5416	Leased	1.60645833	0.94416667
	Robert Dexter Crockett 10877 San Gabriel Way Valley Center, CA 92082-3120	Leased	1.60645833	0.94416667
	Tract 1 Totals		35.05000000	20.60000000
2	Tax # Minerals Only Agnes Hurley 5428 Murphy Road Vansant, VA 24656	Leased	56.44000000	33.17000000
3	Tax # Minerals Only James L Sutherland and Otis S Gilbert 1824 Hollow Poplar Road Davenport, VA 24239	Unleased	8.51000000	5.00000000
	TOTAL GAS ESTATE		100.00000000	58.77000000
	Percentage of Unit Leased		91.49000000	
	Percentage of Unit Unleased		8.51000000	
	Acreage in Unit Leased		53.77000000	
	Acreage in Unit Unleased		5.00000000	

Exhibit "B3"
VCI-539783
Docket No.: VGOB-18-0515-4176

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
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Gas Estate Only

3	Tax # Minerals Only James L Sutherland and Otis S Gilbert 1824 Hollow Poplar Road Davenport, VA 24239	Unleased	8.51000000	5.00000000
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TOTAL GAS ESTATE			8.51000000	5.00000000
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Coal Estate Only

3	Tax # Minerals Only James L Sutherland and Otis S Gilbert 1824 Hollow Poplar Road Davenport, VA 24239	Unleased	8.51000000	5.00000000
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TOTAL GAS ESTATE			8.51000000	5.00000000
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Company: EnerVest Operating, LLC.

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

AFE #		
Well Name: VCI-539783		
Location: Buchanan, 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: 4/10/2018	
Estimated Total Depth: 2,610 FT	AAPG Class: DEVELOPMENT	
Participant(s): EnerVest Operating, LLC.	W.I. 100%	Amount: \$415,700

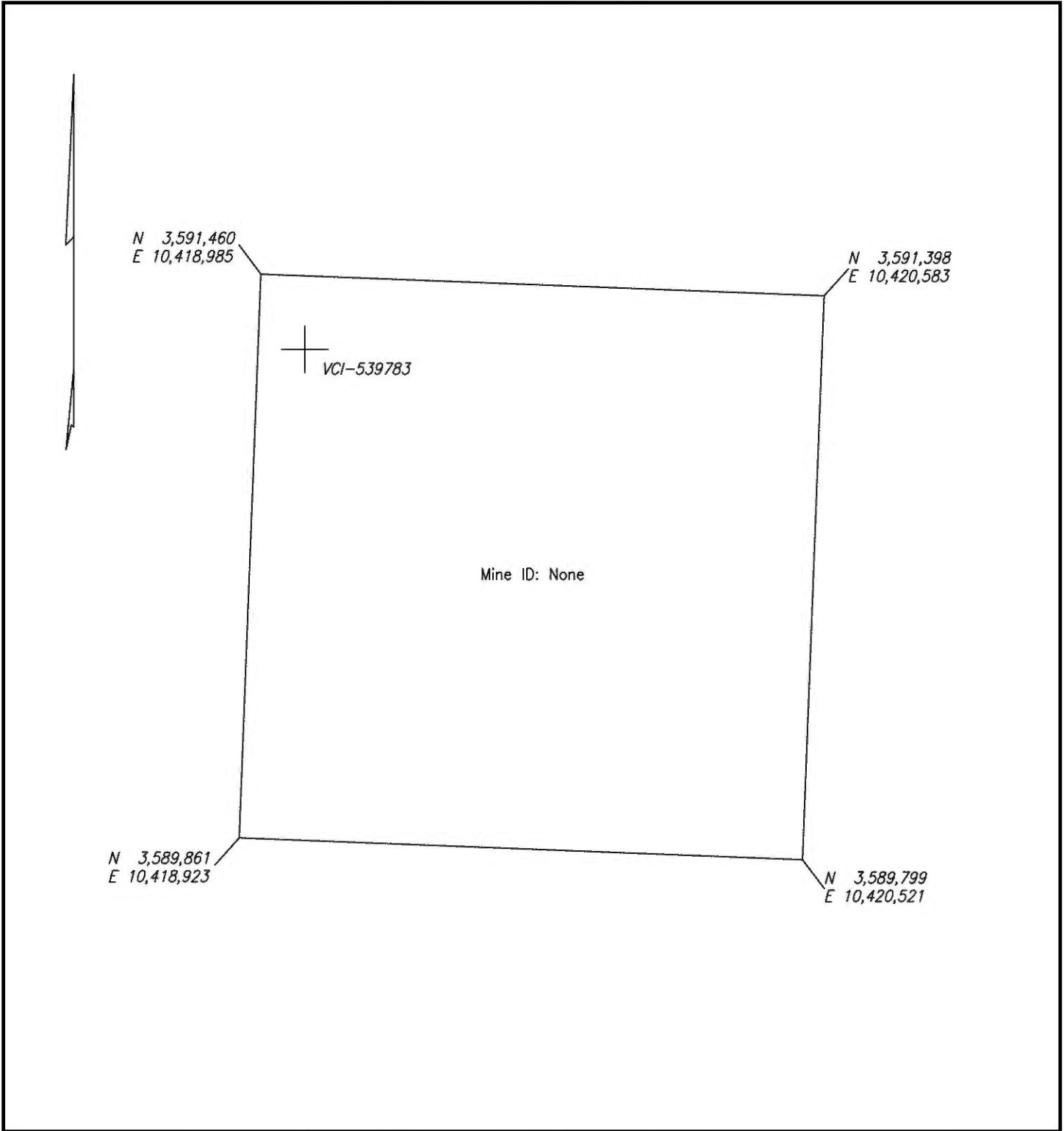
Description	Casing Point	Completion	Total Cost
Leasehold Costs	\$0	\$0	\$0
Permit / Title Opinion / Survey / Insurance	\$13,000	\$0	\$13,000
Building Location/Materials	\$18,000	\$2,500	\$20,500
Roads / Stone / Culverts	\$11,000	\$0	\$11,000
Surface Damages	\$0	\$0	\$0
Drilling - Footage	\$45,600	\$0	\$45,600
Drilling - Mobilization	\$0	\$0	\$0
Drilling - Dayrate	\$0	\$0	\$0
Mud & Chemicals (Drilling)	\$0	\$700	\$700
Fuel	\$0	\$0	\$0
I Cement Services	\$6,000	\$0	\$6,000
T Open Hole Logging & Testing	\$2,800	\$4,400	\$7,200
A Trucking / Dozer (Drilling)	\$1,900	\$0	\$1,900
N Rental Tools & Equipment (Drilling)	\$0	\$0	\$0
G Drilling - Bits	\$0	\$1,500	\$1,500
I Technical Supervision (Drilling)	\$0	\$0	\$0
B Fresh Water Hauling (Drilling)	\$1,700	\$0	\$1,700
L Overhead Rate	\$6,000	\$1,000	\$7,000
E Misc. & Contingencies (Insurance)	\$300	\$0	\$300
S Location Rds/Stone/Culverts	\$0	\$500	\$500
Trucking / Dozer (Completion)	\$0	\$4,800	\$4,800
Technical Supervision (Completion)	\$0	\$0	\$0
Cased Hole Logging / Perforating	\$0	\$15,500	\$15,500
Stimulation / Fracturing	\$0	\$90,000	\$90,000
Completion Rig	\$0	\$7,000	\$7,000
Reclamation & Damages	\$7,400	\$0	\$7,400
Haul Pit Water / Disposal	\$0	\$2,900	\$2,900
Cement Production Casing	\$0	\$11,000	\$11,000
Rental Tools & Equipment (Completion)	\$0	\$4,000	\$4,000
Fresh Water Hauling (Completion)	\$0	\$3,900	\$3,900
Roustabout Labor	\$1,700	\$2,900	\$4,600
Environmental & Safety	\$600	\$500	\$1,100
TOTAL INTANGIBLES	\$116,000	\$153,100	\$269,100

Description	Casing Point	Completion	Total Cost
T " Conductor Ft	\$1,100	\$0	\$1,100
A " 26 lb/ft LS Surface Csg Ft	\$0	\$0	\$0
N " 19 lb/ft LS Intermediate Csg Ft	\$3,800	\$0	\$3,800
G 4 1/2" 9.5 lb/ft M-65 Production Csg Ft	\$0	\$15,000	\$15,000
I 4 1/2" 10.5 lb/ft M-65 Production Csg Ft	\$0	\$0	\$0
B 2-3/8 " 4.7 lb/ft J55 8rd Production Tubing Ft	\$0	\$9,300	\$9,300
L Wellhead Equipment / Fittings	\$1,400	\$8,800	\$10,200
E Tank Battery	\$0	\$7,000	\$7,000
S Separator / Heater / Treater	\$0	\$5,500	\$5,500
Gas Lift Equipment	\$0	\$0	\$0
Rods / Stuffing Box	\$0	\$4,000	\$4,000
Downhole Pump	\$0	\$1,600	\$1,600
Pumping Unit / Motor	\$0	\$10,000	\$10,000
Electric Service & Equipment	\$0	\$19,000	\$19,000
Valves & Fittings	\$0	\$0	\$0
Flow Line labor/material	\$0	\$35,700	\$35,700
Sales line labor/mat/row	\$0	\$24,400	\$24,400
TOTAL TANGIBLES	\$6,300	\$140,300	\$146,600

GRAND TOTAL WELL COST	\$122,300	\$293,400	\$415,700
Plugging & Abandonment	\$30,000		
Production Costs :	\$415,700	Dry Hole Costs :	\$152,300

Operations	<i>C.M. Randolph</i>	Date	<i>4/11/18</i>
Engineering	<i>C.M. Randolph</i>	Date	<i>4/11/18</i>
Geology	<i>Shu Jan</i>	Date	<i>4/11/2018</i>
Land	<i>[Signature]</i>	Date	<i>4/11/2018</i>

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.



WELL & MINE LOCATION MAP NORA GRID AU-80

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER VCI-539783
QUADRANGLE Prater PERMIT NO. _____ SCALE 1" = 400' DATE 10-27-2017

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