

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant:	EnerVest Operating, L.L.C.	)	
		)	
		)	
Relief Sought:	Pooling VCI-531533 Nora Grid AI-76	)	
	Nora Coalbed Gas Field	)	
Legal		)	
Description:		)	
	A.B. Nichols Tract T2-42	)	Docket Number:
	2,068.22 acres, more or less	)	VGOB-19-0416-4207
	Prater 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-531533 Nora Grid AI-76 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-531533 Nora Grid AI-76 is currently or is anticipated to be pending before the Department of Mines, Minerals and Energy.

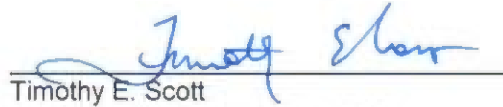
- (c) Applicant has exercised due diligence to locate each of the oil, gas and coalbed methane interest owners named herein at Exhibit B-3 and has made or is making a bona fide effort to reach an agreement with all unleased parties as to pooling their interest for the development and operation of the 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-531533 Nora Grid AI-76 should be pooled for the development and operation thereof.
- (d) Applicant proposes to drill at the permitted location to an approximate depth of 2,395 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 Ailly, 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 \$400,100.00 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 925 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-531533 Nora Grid AI-76, 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 March, 2019.

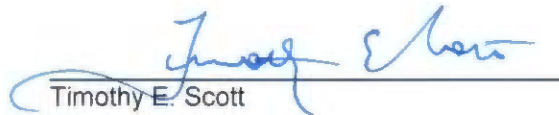
ENERVEST OPERATING, L.L.C

A handwritten signature in blue ink, appearing to read "Timothy E. Scott", is written over a horizontal line.

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.

A handwritten signature in blue ink, appearing to read "Timothy E. Scott", is written over a horizontal line.

Timothy E. Scott

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant:	EnerVest Operating, L.L.C.	)	
		)	
		)	
Relief Sought:	Pooling	)	
		)	
Location:	See Exhibit "A"	)	Docket No.
Well Number:	VCI-531533 Nora Grid AI-76	)	VGOB-19-0416-4207
	Nora Coalbed Gas Field	)	
		)	
Legal		)	
Description:	A.B. Nichols Tract T2-42	)	
	2,068.22 acres, more or less	)	
	Prater District	)	
	Prater Quadrangle	)	
	Buchanan County, Virginia	)	

NOTICE OF HEARING

HEARING DATE: April 16, 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, gas and coalbed methane in and underlying the unit surrounding VCI-531533 Nora Grid AI-76 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-531533 Nora Grid AI-76 containing approximately 58.77 acres, located on the above-referenced tracts situated approximately 11,450 feet northwest of the intersection of Virginia State Routes 605 and 619 and approximately 12,400 feet southwest of Lemaster in the Prater 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

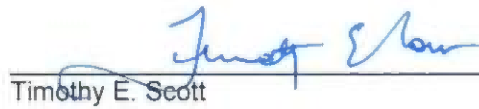
h. Granting such other relief as is merited by the evidence and is just and equitable, whether or not such relief has been specifically requested herein.

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 16, 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 15th of March, 2019.

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 15th day of March, 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 15th day of March, 2019.



Timothy E. Scott

N	TOTAL UNIT AREA = 58.77 ACRES 1598' 750' R 300' S 54° 02' 50" E 687.75' VC-535684 S 32° 13' 21" E 1277.59' To PP-2 S 12° 03' 41" E 1613.11' To PP-1 PP-2 (Spike Nail) VC-537080 1600' VC-502915 PP-1 GPS 2637 (Spike Nail) UNIT BOUNDARY	1250'	LATITUDE 37° 12' 30" LONGITUDE 82° 10' 00" 9560'
T2-42 A.B. Nichols, et al. 2068.22 ACRES HEARTWOOD FORESTLAND FUND IV, L.P. -Surface ACIN LLC - coal PARAMONT CONTURA, LLC - coal lessee WBRO LLC - coal DICKENSON-RUSSELL CONTURA, LLC - coal lessee OIL, GAS & CBM PARTIALLY LEASED: JOHN M. LAMIE, ESQ., TRUSTEE FOR THE YELLOW POPLAR LUMBER COMPANY - 1/2 interest (unleased) ENERVEST ENERGY INSTITUTIONAL FUND XIV-A, L.P., ENERVEST ENERGY INSTITUTIONAL FUND XIV-A1, L.P. & ENERVEST ENERGY INSTITUTIONAL FUND XIV-WIC, L.P. - 1/4 interest WEYERHAEUSER COMPANY- 1/4 interest (Lease No. 10089585) GAS 58.77 AC. 100 %			
PROPOSED UTM NAD 27, ZONE 17 COORDINATES OF WELL VCI-531533 N 13,502,300.25 E 1,299,397.73			
PROPOSED LAT. & LONG. (NAD 27 DECIMAL DEGREES) OF WELL VCI-531533 37.182186 82.170817			
PROPOSED CGC COORDINATES OF WELL VCI-531533 N 29,943.15 E 82,014.31		PROPOSED STATE PLANE NAD 83 COORDINATES OF WELL VCI-531533 N 329,800.66 E 930,818.92	
NOTE: ELEVATIONS WERE DETERMINED BY GPS & TRIGONOMETRIC METHODS BASED ON CORS STATION L801. THE BOUNDARY LINES SHOWN HEREON ARE BASED ON DEEDS, PLATS, AND MAPS OF RECORD OR SURVEYS BY OTHERS, AND DO NOT DEPICT A CURRENT BOUNDARY SURVEY. PROPERTY INFORMATION PROVIDED BY ENERVEST OPERATING LLC. THE WELL WILL BE DRILLED WITHIN 10 (TEN) FEET OF THE PERMITTED COORDINATES.			
WELL LOCATION PLAT (Nora Grid # AI 76)			
COMPANY EnerVest Operating, LLC		WELL NAME OR NUMBER VCI-531533	
TRACT NO. T2-42		QUADRANGLE Prater	
DISTRICT Prater			
WELL COORDINATES (VIRGINIA STATE PLANE 83) N 3,610,679.23 E 10,413,804.25			
ELEVATION 2,029.85		METHOD USED TO DETERMINE ELEVATION: GPS & TRIG.	
COUNTY Buchanan		SCALE: 1" = 400' DATE 1-15-18	
THIS PLAT IS A NEW PLAT ☒ ; 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.			
1585.15 Form DGO-GO-7 Rev. 1-88		<i>[Signature]</i> LICENSED LAND SURVEYOR	
		(AFFIX SEAL)	

EXHIBIT A

Exhibit "B"
VCI-531533
Docket Number: 19-0416-4207

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Coal Estate Only				
1	EnerVest Energy Institutional Fund XIV-A, L.P. & EnerVest Energy Institutional Fund XIV-WIC, L.P. Attn: Kevin Miller 408 West Main Street Abingdon, VA 24210 <i>Tax ID - Minerals Only</i>	Owner	100.00000000	58.77000000
TOTAL GAS ESTATE			100.00000000	58.77000000
Percentage of Unit Leased		100.00000000		
Percentage of Unit Unleased		0.00000000		
Acreage in Unit Leased		58.77000000		
Acreage in Unit Unleased		0.00000000		

Exhibit "B"
VCI-531533
Docket Number: 19-0416-4207

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
1	<i>Tax ID - Minerals Only</i>			
	John M Lamie, Esq Trustee For Yellow Poplar Lumber Company PO Box 519 Abingdon, Va 24212	Unleased	50.00000000	29.38500000
	Weyerhaeuser Company PO Box 101700 Atlanta, Ga 30392	Leased	25.00000000	14.69250000
	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	Owner	25.00000000	14.69250000
	Tract 1 Totals		100.00000000	58.77000000
	TOTAL GAS ESTATE		100.00000000	58.77000000
	Percentage of Unit Leased	50.00000000		
	Percentage of Unit Unleased	50.00000000		
	Acreage in Unit Leased	29.38500000		
	Acreage in Unit Unleased	29.38500000		

Exhibit "B-3"
VCI-531533
Docket Number: 19-0416-4207

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
1	<i>Tax ID - Minerals Only</i> John M Lamie, Esq Trustee For Yellow Poplar Lumber Company PO Box 519 Abingdon, Va 24212	Unleased	50.00000000	29.38500000
TOTAL GAS ESTATE			50.00000000	29.38500000

EXHIBIT C

Company: EnerVest Operating, LLC.

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

AFE #

Well Name: VCI-531533

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: 2/29/19

Estimated Total Depth: 2,495 FT

AAPG Class: DEVELOPMENT

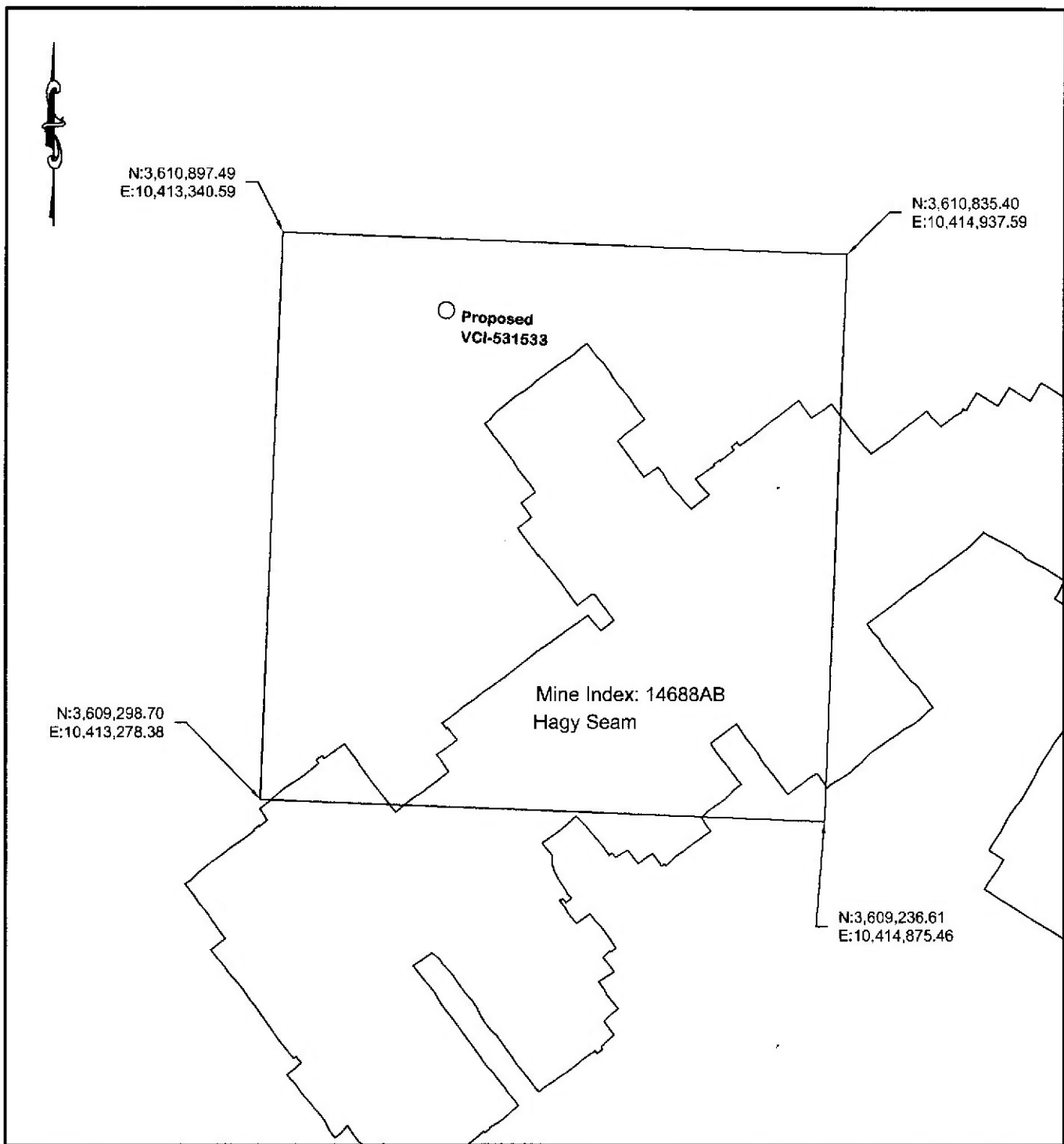
Participant(s): EnerVest Operating, LLC.

Amount: \$400,100

	Description	Casing Point	Completion	Total Cost
	Roads / Stone / Culverts	\$14,000	\$0	\$14,000
	Location Rds/Stone/Culverts	\$0	\$1,000	\$1,000
	Building Location/Materials	\$27,000	\$2,000	\$29,000
	Reclamation & Damages	\$10,000	\$0	\$10,000
	Surface Damages	\$0	\$0	\$0
	Permit / Title Opinion / Survey / Insurance	\$8,000	\$0	\$8,000
	Drilling - Dayrate	\$0	\$0	\$0
	Drilling - Footage	\$44,200	\$0	\$44,200
	Completion Rig	\$0	\$7,000	\$7,000
I	Drilling - Bits	\$0	\$1,500	\$1,500
N	Mud & Chemicals (Drilling)	\$0	\$700	\$700
T	Fresh Water Hauling (Completion)	\$0	\$3,600	\$3,600
A	Cement Production Casing	\$0	\$12,000	\$12,000
N	Trucking / Dozer (Completion)	\$0	\$5,500	\$5,500
G	Cement Services	\$6,200	\$0	\$6,200
I	Trucking / Dozer (Drilling)	\$1,900	\$0	\$1,900
B	Rental Tools & Equipment (Completion)	\$0	\$3,800	\$3,800
L	Fresh Water Hauling (Drilling)	\$1,700	\$0	\$1,700
E	Cased Hole Logging / Perforating	\$0	\$18,000	\$18,000
S	Rental Tools & Equipment (Drilling)	\$0	\$0	\$0
	Open Hole Logging & Testing	\$2,800	\$5,000	\$7,800
	Stimulation / Fracturing	\$0	\$100,000	\$100,000
	Roustabout Labor	\$1,700	\$2,900	\$4,600
	Overhead Rate	\$6,000	\$1,000	\$7,000
	Misc. & Contingencies (Insurance)	\$300	\$0	\$300
	Haul Pit Water / Disposal	\$0	\$2,900	\$2,900
	Drilling - Mobilization	\$0	\$0	\$0
	Fuel	\$1,000	\$0	\$1,000
	Technical Supervision (Drilling)	\$0	\$0	\$0
	Technical Supervision (Completion)	\$0	\$0	\$0
	Environmental & Safety	\$600	\$500	\$1,100
	TOTAL INTANGIBLES	\$125,400	\$167,400	\$292,800
		Casing Point	Completion	Total Cost
	* Conductor Ft	\$1,100	\$0	\$1,100
	* 26 lb/ft LS Surface Csg Ft	\$3,900	\$0	\$3,900
	* 19 lb/ft LS Intermediate Csg Ft	\$0	\$0	\$0
T	4 1/2" 9.5 lb/ft M-65 Production Csg Ft	\$0	\$14,500	\$14,500
A	Wellhead Equipment / Fittings	\$1,600	\$10,000	\$11,600
N	2-3/8" 4.7 lb/ft J55 8rd Production Tubing Ft	\$0	\$9,000	\$9,000
G	Rods / Stuffing Box	\$0	\$3,800	\$3,800
I	Downhole Pump	\$0	\$1,700	\$1,700
B	Electric Service & Equipment	\$0	\$22,000	\$22,000
L	Tank Battery	\$0	\$10,850	\$10,850
E	Flow Line Labor/material	\$0	\$3,000	\$3,000
S	Valves & Fittings	\$0	\$0	\$0
	Separator / Heater / Treater	\$0	\$5,800	\$5,800
	4 1/2" 10.5 lb/ft M-65 Production Csg Ft	\$0	\$0	\$0
	Gas Lift Equipment	\$0	\$0	\$0
	Pumping Unit / Motor	\$0	\$8,050	\$8,050
	Sales line labor/mat/row	\$0	\$12,000	\$12,000
	Professional Services	\$0	\$14,000	\$14,000
	TOTAL TANGIBLES	\$6,600	\$114,700	\$107,300
	GRAND TOTAL WELL COST	\$132,000	\$282,100	\$400,100
	Plugging & Abandonment	\$30,000		
	Production Costs :	\$400,100	Dry Hole Costs :	\$162,000

Operations	Date
Engineering	Date
Geology	Date
Land	Date

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 AI-76

COMPANY EnerVest Operating, LLC WELL NAME AND NUMBER VCI-531533
 QUADRANGLE Prater PERMIT NO. _____ SCALE 1" = 400' DATE 12-14-17

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

EXHIBIT L