

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant: EnerVest Operating, L.L.C.)
)
)
Relief Sought: Pooling Haysi 156 Nora Grid 72-AF)
Nora Coalbed Gas Field)
Legal)
Description:)
B.M. Viers Tract) Docket Number:
221.12 acres, more or less) VGOB-17-0516-4124
Prater District)
Prater Quadrangle)
Buchananl 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 Haysi 156 Nora Grid 72-AF 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 Haysi 156 Nora Grid 72-AF 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 Haysi 156 Nora 72-AF should be pooled for the development and operation thereof.
- (d) Applicant proposes to drill at the permitted location to an approximate depth of 2,461 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 \$348,350.00 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 375 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 Haysi 156 Nora Grid 72-AF, 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 14th day of April, 2017.

ENERVEST OPERATING, L.L.C



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

VERIFICATION

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



Timothy E. Scott

MCKINNIS & SCOTT

BEFORE THE VIRGINIA GAS AND OIL BOARD

Applicant: EnerVest Operating, L.L.C.)
)
)
Relief Sought: Pooling)
)
)
Location: See Exhibit "A") Docket No.
Well Number: Haysi 156 Nora Grid 72-AF) VGOB-17-0516-4124
Nora Coalbed Gas Field)
)
)
Legal)
Description: B.M. Viers Tract)
221.12 acres, more or less)
Prater District)
Prater Quadrangle)
Buchanan County, Virginia)

NOTICE OF HEARING

HEARING DATE: May 16, 2017
PLACE: Russell County Conference Center
Highland Drive
Lebanon, Virginia
TIME: 9:00 a.m.

COMMONWEALTH OF VIRGINIA: To all unleased persons owning an interest in the oil, gas and coalbed methane in and underlying the unit surrounding Haysi 156 Nora Grid 72-AF 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 Haysi 156 Nora Grid 72-AF, containing approximately 58.77 acres, located on the above-referenced tracts situated approximately 5,500 feet northwest of the intersection of Virginia State Routes 83 and 707 and approximately 6,000 feet southeast of Prater 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

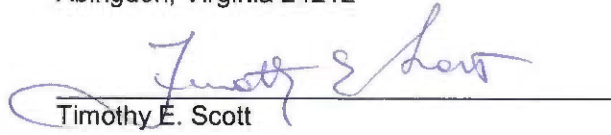
h. Granting such other relief as is merited by the evidence and is just and equitable, whether or not such relief has been specifically requested herein.

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 May 16, 2017** at the **Russell County Conference Center, Highland Drive**, Lebanon, Virginia, and that notice will be published as required by the law and the rules of the Board.

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

DATED this 14th day of April, 2017.

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




Timothy E. Scott

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

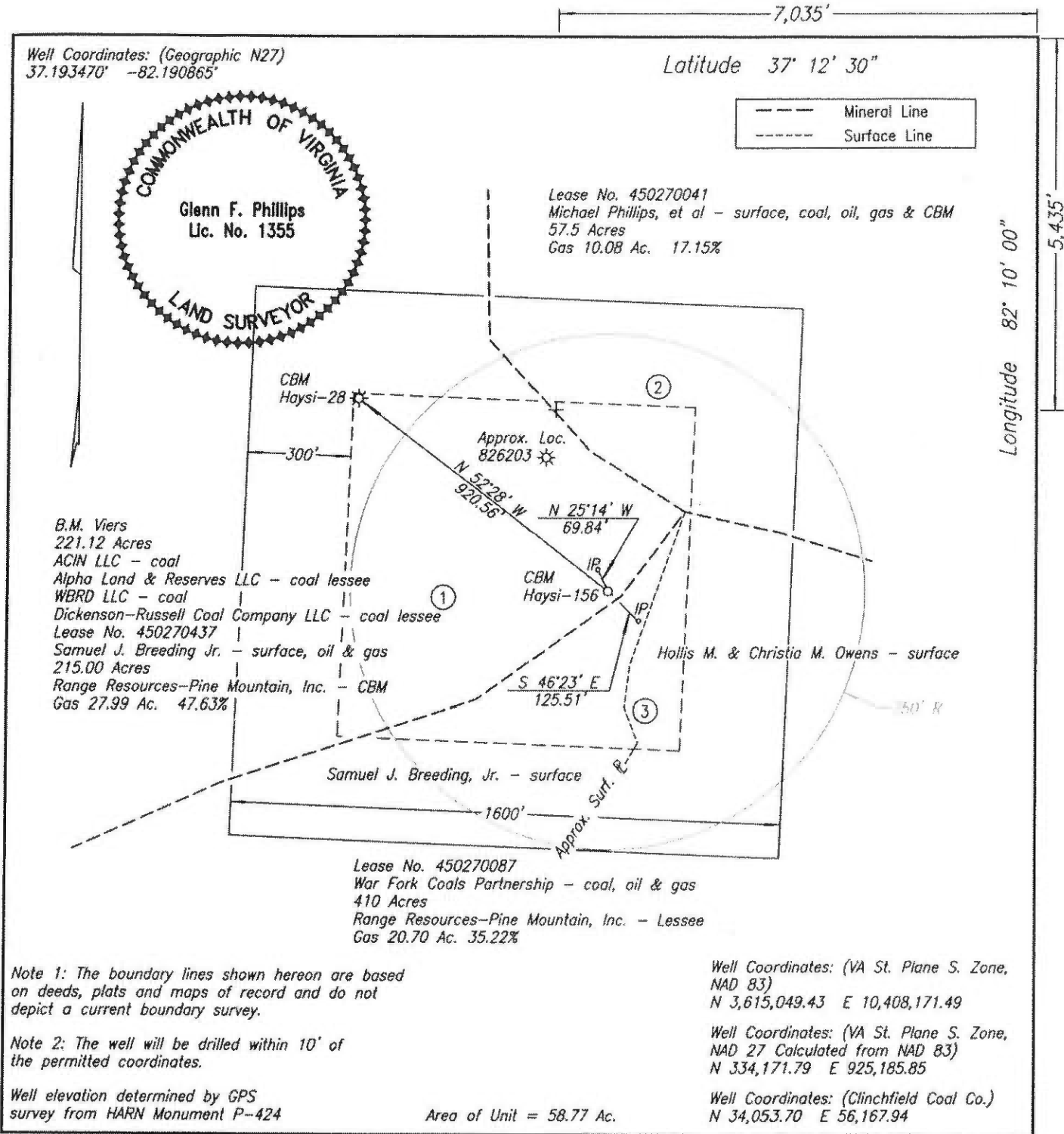
CERTIFICATE OF SERVICE

I, Timothy E. Scott, of Counsel for EnerVest Operating, L.L.C., hereby certify that I have on this, the 14th day of April, 2017, caused the foregoing notice and application to be served upon parties listed herein, at their address, by certified mail, return receipt requested.

Dated this 14th day of April, 2017.

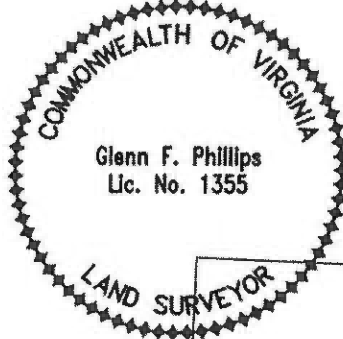


Timothy E. Scott
MCKINNIS & SCOTT



Well Coordinates: (Geographic N27)
37.193470° -82.190865°

Latitude 37° 12' 30"



--- Mineral Line
- - - Surface Line

Lease No. 450270041
Michael Phillips, et al - surface, coal, oil, gas & CBM
57.5 Acres
Gas 10.08 Ac. 17.15%

B.M. Viers
221.12 Acres
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Lease No. 450270437
Samuel J. Breeding Jr. - surface, oil & gas
215.00 Acres
Range Resources-Pine Mountain, Inc. - CBM
Gas 27.99 Ac. 47.63%

Lease No. 450270087
War Fork Coals Partnership - coal, oil & gas
410 Acres
Range Resources-Pine Mountain, Inc. - Lessee
Gas 20.70 Ac. 35.22%

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)
N 3,615,049.43 E 10,408,171.49

Well Coordinates: (VA St. Plane S. Zone, NAD 27 Calculated from NAD 83)
N 334,171.79 E 925,185.85

Well Coordinates: (Clinchfield Coal Co.)
N 34,053.70 E 56,167.94

WELL LOCATION PLAT NORA GRID AF-72

COMPANY Range Resources-Pine Mountain, Inc. WELL NAME AND NUMBER Haysi-156
TRACT NO. B. M. Viers ELEVATION 2,121.56' QUADRANGLE Prater
COUNTY Buchanan DISTRICT Prater SCALE 1" = 400' DATE 6-18-2013

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 show

Glenn F. Phillips
~~Licensed Professional Engineer or~~ Licensed Land Surveyor

EXHIBIT A

Exhibit "B"
Haysi 156

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	47.63000000	27.99000000
2	Howard R. Purdy 1441 Southeast 23rd Avenue Gainesville, Fl 32641	Leased	0.16490385	0.09692308
	Edith Louise Ray 2101 Euclid Avenue Boothwyn, Pa 19061	Leased	0.16490385	0.09692308
	Vertie Owens Yates C/O Richard Owens 1476 Cranesnest Road Haysi, VA 24256	UnLeased	0.16490385	0.09692308
	Rosa Owens 2479 High Ridge Lane SE Grand Rapids, MI 49546-7353	Leased	0.10993590	0.06461538
	Kathy Joe Shoemaker 6154 Dell Cano Drive SE Grand Rapids, Mi 49546	Leased	0.10993590	0.06461538
	Frances Johnson 40875 Maravian Drive Clinton Township, Mi 48036	Leased	0.10993590	0.06461538
	Jim (Jimmy Neale) Sutherland 5406 East State Route 56 Hazelton, Indiana 47640	Leased	0.10993590	0.06461538
	Robert Sutherland 2240 State Route 61 Marengo, Ohio 43334	UnLeased	0.10993590	0.06461538
	Joyce Mason 1791 State Route 61 Marengo, Ohio 43334	UnLeased	0.10993590	0.06461538
	Terry L. Owens Box 577 Vansant, VA 24656	Leased	0.32980769	0.19384615
	Norma and Danny Morcom 297 Creekside Drive Arnoldsville, GA 30619	Leased	0.10993590	0.06461538

Exhibit "B"
Haysi 156

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
	Patricia Boyce 50 Oakland Circle Lynchburg, VA 24502	Leased	0.10993590	0.06461538
	Brenda and Bennett Richardson 3211 Piney Ridge Drive Pamplin, VA 23958	Leased	0.10993590	0.06461538
	Karen Bonk 4797 Rivers Edge Drive Troy, MI 48098	Leased	0.32980769	0.19384615
	Donna Owens 2885 East Midway Blvd. Lot 329 Denver, CO 80234	Leased	0.32980769	0.19384615
	Paul & Alice Owens 420 Aaron Drive Birchleaf, VA 24220	Leased	0.01570513	0.00923077
	Bill & Annice Owens PO Box 58 Birchleaf, VA 24220	Leased	0.01570513	0.00923077
	Rita & John Yates 3610 Annawakee Road Douglasville, GA 30135	Leased	0.01570513	0.00923077
	Debra McClanahan 2474 Bear Branch Rd. Vansant, VA 24656	Leased	0.01570513	0.00923077
	Larry K. Owens 2536 Bear Branch Rd. Vansant, VA 24656	Leased	0.01570513	0.00923077
	Sharon Slone 706 Edgewood Ave. Thomasville, NC 27360	Leased	0.01570513	0.00923077
	Roby & Anna Rae Owens 1320 Aaron Drive Birchleaaf, VA 24220	Leased	0.04711538	0.02769231
	Ural F. & Edna Childress 793 Ratcliff Lane Cedar Bluff, VA 24609	Leased	0.01570513	0.00923077
	Thelma Joyce Branham, widow Route 2, Box 232 Vansant, VA 24656	Leased	0.01570513	0.00923077
	Craig Childress 441 Rainbow Drive Garden City, SC 29576	UnLeased	0.01570513	0.00923077
	Danny & Stephanie Owens 2551 Deerwood Acres Drive Saint Augustine, FL 32084-8313	Leased	0.01570513	0.00923077

Exhibit "B"
Haysi 156

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
	Jackie Owens Rt. 2 Box 122 Haysi, VA 24256	Leased	0.01570513	0.00923077
	Thomas Roger & Belinda Owens 1129 Priest Fork Bee, VA 24217-4522	Leased	0.01570513	0.00923077
	Ruth Owens Address Unknown	UnLeased	0.04711538	0.02769231
	Eddie & Deborah Owens 42 Woodlawn Drive Palmyra, VA 22963	Leased	0.01570513	0.00923077
	Teddy C. Owens, Sr. & Mildred 123 Davenport Road Cumberland, VA 23040	Leased	0.01570513	0.00923077
	Steve & Hetser Gail Owens 75 Baber Road Cumberland, VA 23040	UnLeased	0.01570513	0.00923077
	Orbie Owens Estate C/O Linda Rayfield 134 Chikasaw Drive Shelby, NC 28152	Leased	0.04122596	0.02423077
	Clinton Arrington C/O Carol Sue Edwards 18233 Westwood Dr. Abingdon, VA 24211	Leased	0.04122596	0.02423077
	Jack & Alivia Owens 5152 Big Ridge Road Haysi, VA 24256	Leased	0.04122596	0.02423077
	Nancy Owens, widow 107 Bean Street Interlachen, FL 32148-8232	Leased	0.04122596	0.02423077
	Phillip Owens 425 Owens Road Marion, OH 43302	Leased	0.02061298	0.01211538
	Crystal Malone 411 Evans Rd. Marion, OH 43302	Leased	0.00687099	0.00403846
	Jason Malone C/O Heather Reed 290 Barnhart Street Marion, OH 43302	Leased	0.00687099	0.00403846

Exhibit "B"
Haysi 156

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
	Heather Reed 290 Barnhart Street Marion, OH 43302	UnLeased	0.00687099	0.00403846
	Geneva & Danny Yates Rt. 2 Box 9025 Cedar Bluff, VA 24609	Leased	0.04122596	0.02423077
	Patricia & Dale Turner 1930 Log House Court Mt. Airy, MD 21771	Leased	0.04122596	0.02423077
	Fred Viers PO Box 371 Haysi, VA 24256	UnLeased	0.00824519	0.00484615
	Joyce Irene Owens, widow 1054 Mallard Road Vansant, VA 24656	UnLeased	0.00824519	0.00484615
	Paul Matney, widower 2989 Greenbriar Raod Haysi, VA 24256	UnLeased	0.00824519	0.00484615
	Wilma O. Owens, Widow 207 East Amherst St. Sterling, VA 20164	UnLeased	0.00824519	0.00484615
	Jack Woodard, widower 12018 Deator Road Bristol, VA 24202	UnLeased	0.00824519	0.00484615
	Ruby Compton, widow 27043 Lorenz St. Madison Heights, MI 48071	Leased	0.03298077	0.01938462
	Flossie O. & Swanson Deel PO Box 9 Prescott, MI 48756	Leased	0.03298077	0.01938462
	Kent & Marsha Robinson PO Box 86 Davenport, VA 24239	UnLeased	0.00824519	0.00484615
	Laura & Robert Briest 529 Breist Hill Birchleaf, VA 24220	UnLeased	0.00824519	0.00484615
	Brenda & William Mooney 1631 Spencer St. Ferndale, MI 48220	UnLeased	0.00824519	0.00484615
	Joyce & Gary Vance 515 Vance Mt. Farm Road Haysi, VA 24256	UnLeased	0.00824519	0.00484615
	Donna & Chris Comer 242 Hackney Ridge Birchleaf, VA 24220	Leased	0.00471154	0.00276923
	Vickie Owens C/O Donna Comer, Gaurdian 242 Hackney Ridge Birchleaf, VA 24220	Leased	0.00471154	0.00276923

Exhibit "B"
Haysi 156

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
	Donnie Lee & Linda Owens PO Box 191 Birchleaf, VA 24220	UnLeased	0.00471154	0.00276923
	Debbie & Donnie Stanley 1395 Rocklick Road Birchleaf, VA 24220	Leased	0.00471154	0.00276923
	Karen & Avery Boyd PO Box 274 Davenport, VA 24239	UnLeased	0.00471154	0.00276923
	Jynette & Rick Fletcher Rt. 2 Box 417 Honaker, VA 24260	Leased	0.00471154	0.00276923
	DeWayne & Gernia Owens Rt. 2 Box 535 Haysi, VA 24256	UnLeased	0.00471154	0.00276923
	Loreen Powers, widow 8768 Hidden Valley Road Abingdon, VA 24210	Leased	0.03298077	0.01938462
	Gay & Edmond Edwards PO Box 1683 Clintwood, VA 24228	Leased	0.03298077	0.01938462
	Louie & Penelope Owens 2864 Union Church Road Lincoln, NC 28092	Leased	0.03298077	0.01938462
	Reba O. & Boyd Jones 218 Dogwood Lane Palatka, FL 32177	Leased	0.03298077	0.01938462
	Farrell D. & Owens Box 12246 New Garden Road Honaker, VA 24260	Leased	0.03298077	0.01938462
	Doris Ann Owens 678 Low Bridge Road Iron Station, NC 28080	Leased	0.03298077	0.01938462
	Cathy (Kathy) Owens Address Unknown	UnLeased	0.02748397	0.01615385
	Kevin Owens Address Unknown	UnLeased	0.02748397	0.01615385
	Theresa Mullins Address Unknown	UnLeased	0.02748397	0.01615385

Exhibit "B"
Haysi 156

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
	Susan Owens Address Unknown	UnLeased	0.02748397	0.01615385
	Lorraine Owens 4301 Sandlick Rd. Birchleaf, VA 24220	Leased	0.02748397	0.01615385
	Diana Perrigan Address Unknown	UnLeased	0.02748397	0.01615385
	Lonzie Carl Owens PO Box 801 Cedar Bluff, VA 24609-801	Leased	0.32980769	0.19384615
	Patsy Fuller (Life Estate) PO Box 569 Haysi, VA 24256	Leased	3.76923077	2.21538462
	Ruth Ester Phillips (Life Estate) 19064 Cleveland Road Abingdon, VA 24211	Leased	3.76923077	2.21538462
	Myrtle V. Owens 6304 Old Jonesborough Road Bristol, TN 37620	Leased	1.88461538	1.10769231
	Roy Lee Owens 114 Friendship Lane Mt. Hope, WV 25880	Leased	0.62820513	0.36923077
	Lois Marie Viers 209 Amber Lane Bristol, TN 37620	Leased	0.62820513	0.36923077
	Eva Owens 217 Rutledge Street Bristol, TN 37620	Leased	0.62820513	0.36923077
	John T. Owens 4033 Rupp Road Manchester, MD 21102	Leased	0.62820513	0.36923077
	Anthony W. Owens 3210 Noah's Drive Manchester, MD 21102	Leased	0.62820513	0.36923077
	Ken Allen Owens 3019 Regal Oak Court Manchester, MD 21102	Leased	0.62820513	0.36923077
3	War Fork Coals Partnership Attn: John C Irvin, Agent 4710 Hunterwood Circle Richmond, TX 77469	Leased	35.22000000	20.70000000
	TOTAL COAL ESTATE		100.00000000	58.77000000
	Percentage of Unit Leased	99.30406651		
	Percentage of Unit Unleased	0.69593349		
	Acreage in Unit Leased	58.36096154		
	Acreage in Unit Unleased	0.40903846		

Exhibit "B"
Haysi 156

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
1	Samuel J. Breeding, Jr. 4322 Louita Avenue Kingsport, TN 37660	Leased	47.63000000	27.99000000
2	Howard R. Purdy 1441 Southeast 23rd Avenue Gainesville, FL 32641	Leased	0.16490385	0.09692308
	Edith Louise Ray 2101 Euclid Avenue Boothwyn, Pa 19061	Leased	0.16490385	0.09692308
	Vertie Owens Yates C/O Richard Owens 1476 Cranesnest Road Haysi, VA 24256	Unleased	0.16490385	0.09692308
	Rosa Owens 2479 High Ridge Lane SE Grand Rapids, MI 49546-7353	Leased	0.10993590	0.06461538
	Kathy Joe Shoemaker 6154 Dell Cano Drive SE Grand Rapids, MI 49546	Leased	0.10993590	0.06461538
	Frances Johnson 40875 Maravian Drive Clinton Township, MI 48036	Leased	0.10993590	0.06461538
	Jim (Jimmy Neale) Sutherland 5406 East State Route 56 Hazelton, Indiana 47640	Leased	0.10993590	0.06461538
	Robert Sutherland 2240 State Route 61 Marengo, Ohio 43334	Unleased	0.10993590	0.06461538
	Joyce Mason 1791 State Route 61 Marengo, Ohio 43334	Unleased	0.10993590	0.06461538
	Terry L. Owens Box 577 Vansant, VA 24656	Leased	0.32980769	0.19384615

Exhibit "B"
Haysi 156

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
	Norma and Danny Morcom 297 Creekside Drive Arnoldsville, GA 30619	Leased	0.10993590	0.06461538
	Patricia Boyce 50 Oakland Circle Lynchburg, VA 24502	Leased	0.10993590	0.06461538
	Brenda and Bennett Richardson 3211 Piney Ridge Drive Pamplin, VA 23958	Leased	0.10993590	0.06461538
	Karen Bonk 4797 Rivers Edge Drive Troy, MI 48098	Leased	0.32980769	0.19384615
	Donna Owens 2885 East Midway Blvd. Lot 329 Denver, CO 80234	Leased	0.32980769	0.19384615
	Paul & Alice Owens 420 Aaron Drive Birchleaf, VA 24220	Leased	0.01570513	0.00923077
	Bill & Annice Owens PO Box 58 Birchleaf, VA 24220	Leased	0.01570513	0.00923077
	Rita & John Yates 3610 Annewakee Road Douglasville, GA 30135	Leased	0.01570513	0.00923077
	Debra McClanahan 2474 Bear Branch Rd. Vansant, VA 24656	Leased	0.01570513	0.00923077
	Larry K. Owens 2536 Bear Branch Rd. Vansant, VA 24656	Leased	0.01570513	0.00923077
	Sharon Stone 706 Edgewood Ave. Thomasville, NC 27360	Leased	0.01570513	0.00923077
	Roby & Anna Rae Owens 1320 Aaron Drive Birchleaf, VA 24220	Leased	0.04711538	0.02769231
	Ural F. & Edna Childress 793 Ratcliff Lane Cedar Bluff, VA 24609	Leased	0.01570513	0.00923077
	Thelma Joyce Branham, widow Route 2, Box 232 Vansant, VA 24656	Leased	0.01570513	0.00923077

Exhibit "B"
Haysi 156

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
	Craig Childress 441 Rainbow Drive Garden City, SC 29576	Unleased	0.01570513	0.00923077
	Danny & Stephanie Owens 2551 Deerwood Acres Drive Saint Augustine, FL 32084-8313	Leased	0.01570513	0.00923077
	Jackie Owens Rt. 2 Box 122 Haysi, VA 24256	Leased	0.01570513	0.00923077
	Thomas Roger & Belinda Owens 1129 Priest Fork Bee, VA 24217-4522	Leased	0.01570513	0.00923077
	Ruth Owens Address Unknown	Unleased	0.04711538	0.02769231
	Eddie & Deborah Owens 42 Woodlawn Drive Palmyra, VA 22963	Leased	0.01570513	0.00923077
	Teddy C. Owens, Sr. & Mildred 123 Davenport Road Cumberland, VA 23040	Leased	0.01570513	0.00923077
	Steve & Hetser Gail Owens 75 Baber Road Cumberland, VA 23040	Unleased	0.01570513	0.00923077
	Orbie Owens Estate C/O Linda Rayfield 134 Chikasaw Drive Shelby, NC 28152	Leased	0.04122596	0.02423077
	Clinton Arrington C/O Carol Sue Edwards 18233 Westwood Dr. Abingdon, VA 24211	Leased	0.04122596	0.02423077
	Jack & Alivia Owens 5152 Big Ridge Road Haysi, VA 24256	Leased	0.04122596	0.02423077
	Nancy Owens, widow 107 Bean Street Interlachen, FL 32148-8232	Leased	0.04122596	0.02423077
	Phillip Owens 425 Owens Road Marion, OH 43302	Leased	0.02061298	0.01211538
	Crystal Malone 411 Evans Rd. Marion, OH 43302	Leased	0.00687099	0.00403846

Exhibit "B"
Haysi 156

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
	Jason Malone C/O Heather Reed 290 Barnhart Street Marion, OH 43302	Leased	0.00687099	0.00403846
	Heather Reed 290 Barnhart Street Marion, OH 43302	Unleased	0.00687099	0.00403846
	Geneva & Danny Yates Rt.2 Box 9025 Cedar Bluff, VA 24609	Leased	0.04122596	0.02423077
	Patricia & Dale Turner 1930 Log House Court Mt. Airy, MD 21771	Leased	0.04122596	0.02423077
	Fred Viers PO Box 371 Haysi, VA 24256	Unleased	0.00824519	0.00484615
	Joyce Irene Owens, widow 1054 Mallard Road Vansant, VA 24656	Unleased	0.00824519	0.00484615
	Paul Matney, widower 2989 Greenbriar Raod Haysi, VA 24256	Unleased	0.00824519	0.00484615
	Wilma O. Owens, Widow 207 East Amherst St. Sterling, VA 20164	Unleased	0.00824519	0.00484615
	Jack Woodard, widower 12018 Deator Road Bristol, VA 24202	Unleased	0.00824519	0.00484615
	Ruby Compton, widow 27043 Lorenz St. Madison Heights, MI 48071	Leased	0.03298077	0.01938462
	Flossie O. & Swanson Deel PO Box 9 Prescott, MI 48756	Leased	0.03298077	0.01938462
	Kent & Marsha Robinson PO Box 86 Davenport, VA 24239	Unleased	0.00824519	0.00484615
	Laura & Robert Briest 529 Breist Hill Birchleaf, VA 24220	Unleased	0.00824519	0.00484615
	Brenda & William Mooney 1631 Spencer St. Ferndale, MI 48220	Unleased	0.00824519	0.00484615

Exhibit "B"
Haysi 156

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
	Joyce & Gary Vance 515 Vance Mt. Farm Road Haysi, VA 24256	Unleased	0.00824519	0.00484615
	Donna & Chris Comer 242 Hackney Ridge Birchleaf, VA 24220	Leased	0.00471154	0.00276923
	Vickie Owens C/O Donna Comer, Gaurdian 242 Hackney Ridge Birchleaf, VA 24220	Leased	0.00471154	0.00276923
	Donnie Lee & Linda Owens PO Box 191 Birchleaf, VA 24220	Unleased	0.00471154	0.00276923
	Debbie & Donnie Stanley 1395 Rocklick Road Birchleaf, VA 24220	Leased	0.00471154	0.00276923
	Karen & Avery Boyd PO Box 274 Davenport, VA 24239	Unleased	0.00471154	0.00276923
	Jynette & Rick Fletcher Rt. 2 Box 417 Honaker, VA 24260	Leased	0.00471154	0.00276923
	DeWayne & Gernia Owens Rt. 2 Box 535 Haysi, VA 24256	Unleased	0.00471154	0.00276923
	Loreen Powers, widow 8768 Hidden Valley Road Abingdon, VA 24210	Leased	0.03298077	0.01938462
	Gay & Edmond Edwards PO Box 1683 Clintwood, VA 24228	Leased	0.03298077	0.01938462
	Louie & Penelope Owens 2864 Union Church Road Lincoln, NC 28092	Leased	0.03298077	0.01938462
	Reba O. & Boyd Jones 218 Dogwood Lane Palatka, FL 32177	Leased	0.03298077	0.01938462
	Farrell D. & Owens Box 12246 New Garden Road Honaker, VA 24260	Leased	0.03298077	0.01938462
	Doris Ann Owens 678 Low Bridge Road Iron Station, NC 28080	Leased	0.03298077	0.01938462

Exhibit "B"
Haysi 156

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
	Cathy (Kathy) Owens Address Unknown	Unleased	0.02748397	0.01615385
	Kevin Owens Address Unknown	Unleased	0.02748397	0.01615385
	Theresa Mullins Address Unknown	Unleased	0.02748397	0.01615385
	Susan Owens Address Unknown	Unleased	0.02748397	0.01615385
	Lorraine Owens 4301 Sandlick Rd. Birchleaf, VA 24220	Leased	0.02748397	0.01615385
	Diana Perrigan Address Unknown	Unleased	0.02748397	0.01615385
	Lonzie Carl Owens PO Box 801 Cedar Bluff, VA 24609-801	Leased	0.32980769	0.19384615
	Patsy Fuller (Life Estate) PO Box 569 Haysi, VA 24256	Leased	3.76923077	2.21538462
	Ruth Ester Phillips (Life Estate) 19064 Cleveland Road Abingdon, VA 24211	Leased	3.76923077	2.21538462
	Myrtle V. Owens 6304 Old Jonesborough Road Bristol, TN 37620	Leased	1.88461538	1.10769231
	Roy Lee Owens 114 Friendship Lane Mt. Hope, WV 25880	Leased	0.62820513	0.36923077
	Lois Marie Viers 209 Amber Lane Bristol, TN 37620	Leased	0.62820513	0.36923077
	Eva Owens 217 Rutledge Street Bristol, TN 37620	Leased	0.62820513	0.36923077
	John T. Owens 4033 Rupp Road Manchester, MD 21102	Leased	0.62820513	0.36923077
	Anthony W. Owens 3210 Noah's Drive Manchester, MD 21102	Leased	0.62820513	0.36923077

Exhibit "B"
Haysi 156

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
	Ken Allen Owens 3019 Regal Oak Court Manchester, MD 21102	Leased	0.62820513	0.36923077
Tract 2 Totals			17.15000000	10.08000000
3	War Fork Coals Partnership Attn: John C Irvin, Agent 4710 Hunterwood Circle Richmond, TX 77469	Leased	35.22000000	20.70000000
TOTAL GAS ESTATE			100.00000000	58.77000000
	Percentage of Unit Leased	99.30406651		
	Percentage of Unit Unleased	0.69593349		
	Acreage in Unit Leased	58.36096154		
	Acreage in Unit Unleased	0.40903846		

**Exhibit "B-3" - Unleased Owners
Haysi 156**

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Coal Estate Only				
2	Vertie Owens Yates C/O Richard Owens 1476 Cranesnest Road Haysi, VA 24256	Unleased	0.16490385	0.09692308
	Robert Sutherland 2240 State Route 61 Marengo, Ohio 43334	Unleased	0.10993590	0.06461538
	Joyce Mason 1791 State Route 61 Marengo, Ohio 43334	Unleased	0.10993590	0.06461538
	Craig Childress 441 Rainbow Drive Garden City, SC 29576	Unleased	0.01570513	0.00923077
	Ruth Owens Address Unknown	Unleased	0.04711538	0.02769231
	Steve & Hetser Gail Owens 75 Baber Road Cumberland, VA 23040	Unleased	0.01570513	0.00923077
	Heather Reed 290 Barnhart Street Marion, OH 43302	Unleased	0.00687099	0.00403846
	Fred Viers PO Box 371 Haysi, VA 24256	Unleased	0.00824519	0.00484615
	Joyce Irene Owens, widow 1054 Mallard Road Vansant, VA 24656	Unleased	0.00824519	0.00484615
	Paul Matney, widower 2989 Greenbriar Raod Haysi, VA 24256	Unleased	0.00824519	0.00484615
	Wilma O. Owens, Widow 207 East Amherst St.	Unleased	0.00824519	0.00484615

Sterling, VA 20164			
Jack Woodard, widower 12018 Deator Road Bristol, VA 24202	Unleased	0.00824519	0.00484615
Kent & Marsha Robinson PO Box 86 Davenport, VA 24239	Unleased	0.00824519	0.00484615
Laura & Robert Briest 592 Breist Hill Birchleaf, VA 24220	Unleased	0.00824519	0.00484615
Brenda & William Mooney 1631 Spencer St. Ferndale, MI 48220	Unleased	0.00824519	0.00484615
Joyce & Gary Vance 515 Vance Mt. Farm Road Haysi, VA 24256	Unleased	0.00824519	0.00484615
Donnie Lee & Linda Owens PO Box 191 Birchleaf, VA 24220	Unleased	0.00471154	0.00276923
Karen & Avery Boyd PO Box 274 Davenport, VA 24239	Unleased	0.00471154	0.00276923
DeWayne & Gernia Owens Rt. 2 Box 535 Haysi, VA 24256	Unleased	0.00471154	0.00276923
Cathy (Kathy) Owens Address Unknown	Unleased	0.02748397	0.01615385
Kevin Owens Address Unknown	Unleased	0.02748397	0.01615385
Theresa Mullins Address Unknown	Unleased	0.02748397	0.01615385
Susan Owens Address Unknown	Unleased	0.02748397	0.01615385
Diana Perrigan Address Unknown	Unleased	0.02748397	0.01615385
TOTAL CBM ESTATE		0.69593349	0.40903846

**Exhibit "B-3" - Unleased Owners
Haysi 156**

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
2	Vertie Owens Yates C/O Richard Owens 1476 Cranesnest Road Haysi, VA 24256	Unleased	0.16490385	0.09692308
	Robert Sutherland 2240 State Route 61 Marengo, Ohio 43334	Unleased	0.10993590	0.06461538
	Joyce Mason 1791 State Route 61 Marengo, Ohio 43334	Unleased	0.10993590	0.06461538
	Craig Childress 441 Rainbow Drive Garden City, SC 29576	Unleased	0.01570513	0.00923077
	Ruth Owens Address Unknown	Unleased	0.04711538	0.02769231
	Steve & Hetser Gail Owens 75 Baber Road Cumberland, VA 23040	Unleased	0.01570513	0.00923077
	Heather Reed 290 Barnhart Street Marion, OH 43302	Unleased	0.00687099	0.00403846
	Fred Viers PO Box 371 Haysi, VA 24256	Unleased	0.00824519	0.00484615
	Joyce Irene Owens, widow 1054 Mallard Road Vasant, VA 24656	Unleased	0.00824519	0.00484615
	Paul Matney, widower 2989 Greenbriar Raod Haysi, VA 24256	Unleased	0.00824519	0.00484615

Wilma O. Owens, Widow 207 East Amherst St. Sterling, VA 20164	Unleased	0.00824519	0.00484615
Jack Woodard, widower 12018 Deator Road Bristol, VA 24202	Unleased	0.00824519	0.00484615
Kent & Marsha Robinson PO Box 86 Davenport, VA 24239	Unleased	0.00824519	0.00484615
Laura & Robert Briest 592 Breist Hill Birchleaf, VA 24220	Unleased	0.00824519	0.00484615
Brenda & William Mooney 1631 Spencer St. Ferndale, MI 48220	Unleased	0.00824519	0.00484615
Joyce & Gary Vance 515 Vance Mt. Farm Road Haysi, VA 24256	Unleased	0.00824519	0.00484615
Donnie Lee & Linda Owens PO Box 191 Birchleaf, VA 24220	Unleased	0.00471154	0.00276923
Karen & Avery Boyd PO Box 274 Davenport, VA 24239	Unleased	0.00471154	0.00276923
DeWayne & Gernia Owens Rt. 2 Box 535 Haysi, VA 24256	Unleased	0.00471154	0.00276923
Cathy (Kathy) Owens Address Unknown	Unleased	0.02748397	0.01615385
Kevin Owens Address Unknown	Unleased	0.02748397	0.01615385
Theresa Mullins Address Unknown	Unleased	0.02748397	0.01615385
Susan Owens Address Unknown	Unleased	0.02748397	0.01615385
Diana Perrigan Address Unknown	Unleased	0.02748397	0.01615385

TOTAL GAS ESTATE

0.69593349

0.40903846

Company: EnerVest Operating, LLC.

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

AFE #

Well Name: Haysi-156

Location: Buchanan, VA

Expected Pay Zones: PENNSYLVANIA COALS

Proposed Work: DRILL, COMPLETE AND PLACE INTO PRODUCTION

Property #

Field: NORA FIELD

Operator: EnerVest Operating, LLC.

Estimated Total Depth: 2,461 FT

Participant(s): EnerVest Operating, LLC.

Version # 1

Completed By: TEAM

Date: 4/12/2017

AAPG Class: DEVELOPMENT

W.J. 100%

Amount: \$348,350

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	\$5,000	\$24,000
Roads / Stone / Culverts	\$7,000	\$0	\$7,000
Surface Damages	\$0	\$0	\$0
Drilling - Footage	\$41,000	\$0	\$41,000
Drilling - Mobilization	\$0	\$0	\$0
Drilling - Dayrate	\$0	\$0	\$0
Mud & Chemicals (Drilling)	\$0	\$0	\$0
Fuel	\$0	\$0	\$0
Cement Services	\$6,500	\$0	\$6,500
Open Hole Logging & Testing	\$3,300	\$5,000	\$8,300
Trucking / Dozer (Drilling)	\$2,000	\$0	\$2,000
Rental Tools & Equipment (Drilling)	\$500	\$0	\$500
Drilling - Bits	\$0	\$0	\$0
Technical Supervision (Drilling)	\$0	\$0	\$0
Fresh Water Hauling (Drilling)	\$2,000	\$0	\$2,000
Overhead Rate	\$1,000	\$5,000	\$7,000
Misc. & Contingencies (Insurance)	\$300	\$0	\$300
Location Rds/Stone/Culverts	\$0	\$1,000	\$1,000
Trucking / Dozer (Completion)	\$0	\$4,000	\$4,000
Technical Supervision (Completion)	\$0	\$0	\$0
Cased Hole Logging / Perforating	\$0	\$11,500	\$11,500
Stimulation / Fracturing	\$0	\$70,000	\$70,000
Completion Rig	\$0	\$11,000	\$11,000
Reclamation & Damages	\$8,000	\$0	\$8,000
Haul Pit Water / Disposal	\$0	\$4,000	\$4,000
Cement Production Casing	\$0	\$12,500	\$12,500
Rental Tools & Equipment (Completion)	\$0	\$4,000	\$4,000
Fresh Water Hauling (Completion)	\$0	\$3,500	\$3,500
Roughabout Labor	\$1,500	\$2,000	\$3,500
Environmental & Safety	\$500	\$500	\$1,000
TOTAL INTANGIBLES	\$105,500	\$140,000	\$245,500

Description	Casing Point	Completion	Total Cost	
1" Conductor	Ft	\$700	\$0	\$700
2 1/2" 28 lb/ft LS Surface Csg	Ft	\$0	\$0	\$0
1 3/4" 19 lb/ft LS Intermediate Csg	Ft	\$3,300	\$0	\$3,300
4 1/2" 9.5 lb/ft M-85 Production Csg	Ft	\$0	\$11,800	\$11,800
4 1/2" 10.5 lb/ft M-85 Production Csg	Ft	\$0	\$0	\$0
2-3/8" 4.7 lb/ft J55 6rd Production Tubing	Ft	\$0	\$6,000	\$6,000
Wellhead Equipment / Fittings	\$2,400	\$10,500	\$12,900	
Tank Battery	\$0	\$7,000	\$7,000	
Separator / Heater / Treater	\$0	\$5,500	\$5,500	
Gas Lift Equipment	\$0	\$0	\$0	
Rods / Stuffing Box	\$0	\$3,700	\$3,700	
Downhole Pump	\$0	\$1,500	\$1,500	
Pumping Unit / Motor	\$0	\$10,000	\$10,000	
Electric Service & Equipment	\$0	\$15,700	\$15,700	
Valves & Fittings	\$0	\$0	\$0	
Flow Line labor/material	\$0	\$8,000	\$8,000	
Sales line labor/mat/row	\$0	\$18,650	\$18,650	
TOTAL TANGIBLES	\$6,400	\$96,350	\$102,750	

GRAND TOTAL WELL COST	\$112,000	\$236,350	\$348,350
Plugging & Abandonment	\$30,000		
Production Costs :	\$348,350	Dry Hole Costs :	\$142,000

Operations C.M. Randolph Date 4/13/17

Engineering E. L. ... Date 4/12/17

Geology ... Date 4/17/17

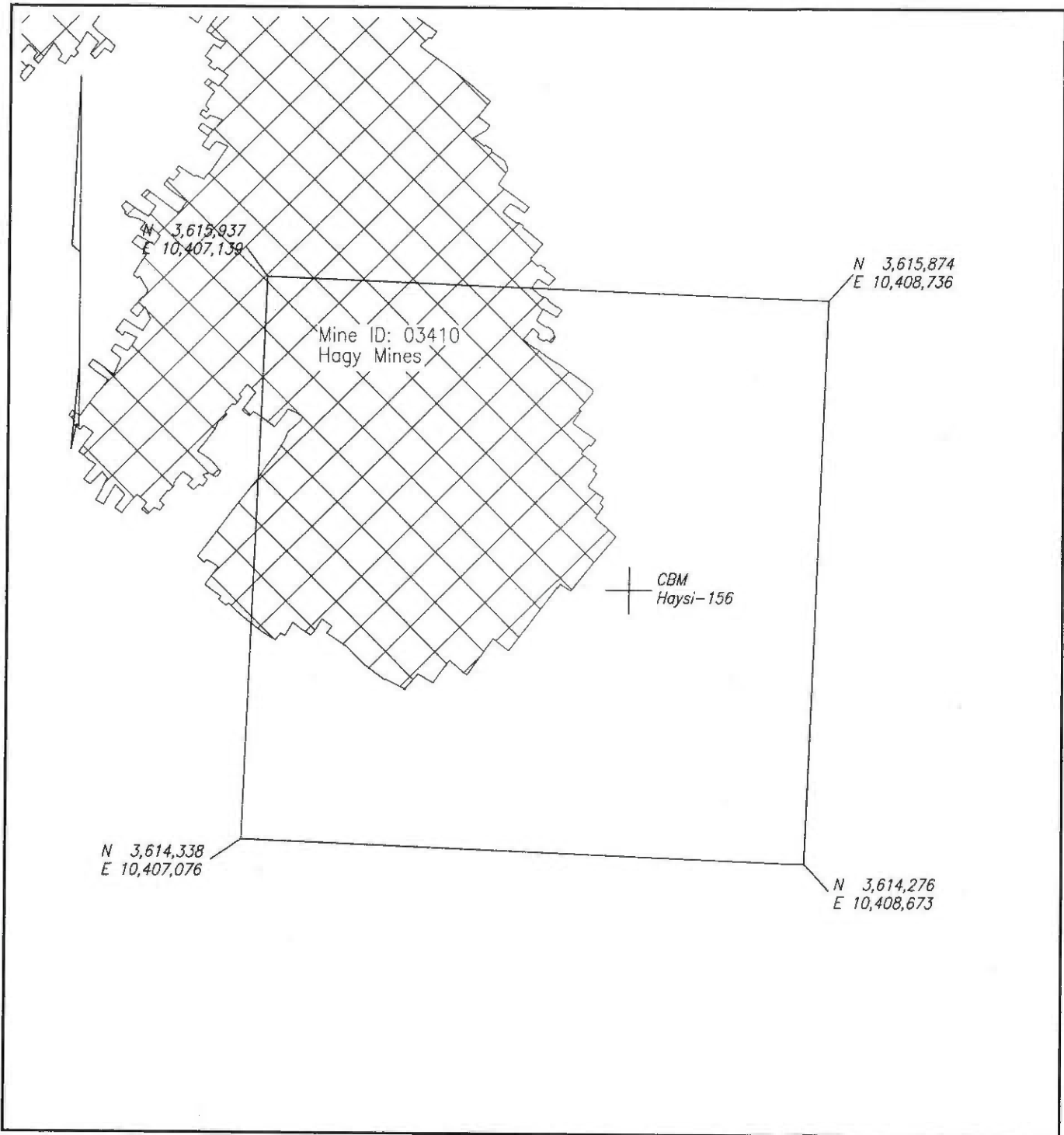
Land ... Date 4/17/17

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

Exhibit "E"
Haysi 156

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
2	Ruth Owens Address Unknown	Unleased	0.04711538	0.02769231
	Cathy (Kathy) Owens Address Unknown	Unleased	0.02748397	0.01615385
	Kevin Owens Address Unknown	Unleased	0.02748397	0.01615385
	Theresa Mullins Address Unknown	Unleased	0.02748397	0.01615385
	Susan Owens Address Unknown	Unleased	0.02748397	0.01615385
	Diana Perrigan Address Unknown	Unleased	0.02748397	0.01615385
	TOTAL GAS ESTATE		0.18453526	0.10846154
COAL Estate Only				
2	Ruth Owens Address Unknown	Unleased	0.04711538	0.02769231
	Cathy (Kathy) Owens Address Unknown	Unleased	0.02748397	0.01615385
	Kevin Owens Address Unknown	Unleased	0.02748397	0.01615385
	Theresa Mullins Address Unknown	Unleased	0.02748397	0.01615385
	Susan Owens Address Unknown	Unleased	0.02748397	0.01615385
	Diana Perrigan Address Unknown	Unleased	0.02748397	0.01615385
	TOTAL COAL ESTATE		0.18453526	0.10846154



WELL & MINE LOCATION MAP NORA GRID AF-72

COMPANY Range Resources-Pine Mountain, Inc. WELL NAME AND NUMBER Haysi-156
 QUADRANGLE Prater PERMIT NO. _____ SCALE 1" = 400' DATE 5-13-2013

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