

INSTRUMENT PREPARED BY
VIRGINIA GAS AND OIL

ORDER RECORDED UNDER CODE
OF VIRGINIA SECTION 45.1-361.26

VIRGINIA:

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT: **ENERVEST OPERATING, LLC**

VIRGINIA GAS AND
OIL BOARD
VGOB DOCKET NO.:
89-0126-0009-87

RELIEF SOUGHT:

MODIFICATION OF THE OGCB NORA GAS
FIELD RULES ORDER, ENTERED MARCH 26,
1989, AS AMENDED, TO ALLOW MORE THAN
ONE COALBED GAS WELL TO BE DRILLED IN
THE UNITS IDENTIFIED ON EXHIBIT "A" HERETO

LEGAL DESCRIPTION:

DRILLING UNITS:

35BQ,63BN,64BN,61BO,62BO,63BO,64BO,63BP,68BB,68BC,69BC,70BC,71BC,72BC,73BC,81BO,
83BP,57BA,58BA,59BA,60BA,58BB,61BC,92BL,93BL,94BL,90BM,91BM,92BM,93BM,94BM,68BK,
69BK,70BK,71BK,67BL,68BL,69BL,70BL,71BL,72BL,69BM,83AT,83AU,84AU,85AU,86AU.

LOCATED IN BUCNANAN, RUSSELL &
DICKENSON COUNTIES, VIRGINIA;
SEE ANNEXED EXHIBIT "H2"

**REPORT OF THE BOARD
FINDINGS AND ORDER**

1. Hearing Date and Place: This matter came on for hearing before the Virginia Gas and Oil Board (hereinafter "Board") at 9:00 a.m. on **May 10, 2016** at the Conference Center at the Russell County Office Facility, Lebanon, Virginia.

2. Appearances: **James E. Kaiser of Wilhoit and Kaiser**, appeared for the Applicant; and Paul Kugelman, Jr., Senior Assistant Attorney General was present to advise the Board.

3. Jurisdiction and Notice: Pursuant to Va. Code §§45.1-361.1 et seq., as amended, the Board finds that it has jurisdiction over the subject matter. Based upon the

evidence presented by the Applicant, the Board also finds that the Applicant has (1) exercised due diligence in conducting a meaningful search of reasonably available sources to determine the identity and whereabouts of each gas and oil owner, coal owner, or mineral owner, or in the case of conflicting claims to the ownership of the coalbed methane gas, each person identified by Applicant as a potential owner of the coalbed methane gas underlying the area described at paragraph 7.h below and in **Exhibit "B"** attached hereto; and (2) has given notice to all parties so identified (hereinafter sometimes "person(s)" whether referring to individuals, corporation, partnerships, associations, companies, businesses, trusts, joint ventures or other legal entities) and entitled by §§ 45.1-361.19 and 45.1-361.20, Virginia Code, as amended, to notice of the Application, and (3) that the persons listed in the Notice of Hearing are the persons so identified by the Applicant. Further, the Board has caused notice of this hearing to be published as required by § 45.1-361.19.B., Virginia Code, as amended. Whereupon, the Board hereby finds that the notices given satisfy all statutory requirements, Board rule requirements and the minimum standards of State due process.

4. Amendments and Dismissals: None.

5. Relief Requested: (1) Modification of the Nora Gas Field Rules to allow more than one coalbed methane gas well to be drilled within each of the Nora Field Drilling Units identified above and in **Exhibit "H2"** attached hereto; and (2) for an administrative order providing that additional well permits may be issued in the Nora Field after the Application is filed and while it is pending.

6. Relief Granted: Available data and the evidence adduced at the hearing support Applicant's position that the production from the pool underlying the Nora Coal Bed Gas Field Drilling Units in question would be enhanced and benefit from in-field drilling; accordingly,

a. With regard to the Drilling Units described above and in **Exhibit "H2"** hereto, the Nora Coal Bed Gas Field Rules Order, OCGB order entered of March 26, 1989, is hereby amended to allow the Board's Designated Unit Operator in Drilling Units pooled by Board Order and the Well Operator/Permittee in voluntary Drilling Units to drill a total of two (2) wells, said total to include any previously permitted well(s), within the units affected by the Application and this Order;

b. In the event that an additional coalbed methane gas well(s) permitted and drilled after the entry of this order is located within the drilling window(s) of a Nora Coal Bed Gas Field Drilling Unit affected by this order, the production therefrom shall be solely attributed to and allocated to the Nora Drilling Unit within which the wells are located.

c. In the event a second well is proposed that is to be located outside the drilling window of any Nora Unit affected by this order and a permit application is submitted to the Division of Gas and Oil seeking such location exception, the

Inspector shall assess the permit as follows:

- (i) If a 58 acre square with the proposed well at its center lies entirely within Nora Drilling Units which are voluntary in nature and are not subject to existing pooling order, the Inspector may grant or deny the location exception on a case-by-case basis according to standard procedures and provisions of the Nora Order which allow wells to be drilled outside the drilling windows; or
- (ii) If a 58 acre square with the proposed well at its center lies entirely or partially within any Nora Drilling Unit(s) which is subject to existing pooling orders, the Inspector shall refer the permit application to the Board for its recommendations concerning correlative rights considerations, modification of pooling orders, and escrow provisions. Alternatively, the Unit Operator may present a pooling proposal directly to the Board prior to filing a permit application. No permit under this paragraph (ii) shall be issued until the Board has acted on the matter.

7. Special Findings:

- a. Applicant's proposed field rule modification is not an unreasonable or arbitrary exercise of the owner's right to explore for or produce gas;
- b. The Applicant's proposal would not unreasonably interfere with the present or future mining of coal or other minerals;
- c. The acreage to be embraced in the Drilling Units affected by and/or created by this Modification Order shall be as set forth above and in **Exhibit "H2"** attached hereto.
- d. The formations subject to this Modification Order are described in the OGCB Order entered March 26, 1989, as amended.
- e. The boundaries of the Drilling Units are the same as heretofore established by the OGCB Order entered March 26, 1989, as amended.
- f. Unit Operator's production simulations indicate that drilling of an additional well in each Unit could facilitate the recovery of an additional 250,000 MCF of gas per Unit within ten (10) years of drilling.
- g. The boundaries of any Drilling Units created subsequent to this Modification Order shall be according to paragraph 6.c.ii. above and as defined by Board action specific to individual units.
- h. The acreage subject to this Modification Order is depicted in **Exhibit "H2"** attached hereto:

i. Having considered the evidence presented, the Board found no reason to establish any allowable production rates for the wells contemplated by this Modification Order;

j. Except as herein specifically modified, the proposed Drilling Units in Exhibit "H2" shall be developed and produced in compliance with the OGCB Order entered on March 26, 1989 regarding the Nora Gas Field Rules, as amended.

k. This Modification Order shall be effective as of the date of the hearing, to wit: **May 10, 2016.**

8. Conclusion: The relief granted hereby will assist in enhancing production from existing wells, will assist in more efficiently recovering coalbed methane gas from the area in question, prevent waste by more effectively extracting the resource, and will continue to protect the correlative rights of all owners and claimants. Therefore, the relief and all terms and provisions set forth above be and are hereby granted and IT IS SO ORDERED.

9. Effective Date: **May 10, 2016.**

56AZ

57AZ

58AZ

59AZ

60AZ

61AZ

57BA

58BA

59BA

60BA

61BA

Dickenson Co.

B

57BB

58BB

59BB

60BB

61BB

56BC

57BC

58BC

59BC

60BC

61BC

EXHIBIT H-2

ENERVEST OPERATING, LLC
INCREASED DENSITY DRILLING
NORA FIELD

PROPOSED UNITS



Infills

Date: 4/29/2016

160000984

30BN	31BN	32BN	33BN	34BN	35BN	36BN	37BN	38BN	39BN	40BN
30BO	31BO	32BO	33BO	34BO	35BO	36BO	37BO	38BO	39BO	40BO
30BP	31BP	32BP	33BP	34BP	35BP	36BP	37BP	38BP	39BP	40BP
30BQ	31BQ	32BQ	33BQ	34BQ	35BQ	36BQ	37BQ	38BQ	39BQ	40BQ
30BR	31BR	32BR	33BR	34BR	35BR	36BR	37BR	38BR	39BR	40BR
30BS	31BS	32BS	33BS	34BS	35BS	36BS	37BS	38BS	39BS	40BS
30BT	31BT	32BT	33BT	34BT	35BT	36BT	37BT	38BT	39BT	40BT
30BU	31BU	32BU	33BU							

Dickenson Co.



EXHIBIT H-2

ENERVEST OPERATING, LLC
INCREASED DENSITY DRILLING
NORA FIELD

PROPOSED UNITS



Date: 4/7/2016

536 5359

57BM	58BM	59BM	60BM	61BM	62BM	63BM	64BM	65BM	66BM	67BM
57BN	58BN	59BN	60BN	61BN	62BN	63BN	64BN	65BN	66BN	67BN
57BO	58BO	59BO	60BO	61BO	62BO	63BO	64BO	65BO	66BO	67BO
57BP	58BP	59BP	60BP	61BP	62BP	63BP	64BP	65BP	66BP	67BP
57BQ	58BQ	59BQ	60BQ	61BQ	62BQ	63BQ	64BQ	65BQ	66BQ	67BQ
57BR	58BR	59BR	60BR	61BR	62BR	63BR	64BR	65BR	66BR	67BR
57BS	58BS	59BS	60BS	61BS	62BS	63BS	64BS	65BS	66BS	67BS

Dickenson Co.

EXHIBIT H-2

ENERVEST OPERATING, LLC
INCREASED DENSITY DRILLING
NORA FIELD

PROPOSED UNITS



Date: 4/7/2016

160000994

DB 536 PG 860

Dickenson Co.

65AY	66AY	67AY	68AY	69AY	70AY	71AY	72AY	73AY	74AY	75AY
65AZ	66AZ	67AZ	68AZ	69AZ	70AZ	71AZ	72AZ	73AZ	74AZ	75AZ
66BA	67BA	68BA	69BA	70BA	71BA	72BA	73BA	74BA	75BA	
66BB	67BB	68BB	69BB	70BB	71BB	72BB	73BB	74BB	75BB	
66BC	67BC	68BC	69BC	70BC	71BC	72BC	73BC	74BC	75BC	
66BD	67BD	68BD	69BD	70BD	71BD	72BD	73BD	74BD	75BD	
66BE	67BE	68BE	69BE	70BE	71BE	72BE	73BE	74BE	75BE	
66BF	67BF	68BF	69BF	70BF	71BF	72BF	73BF			

EXHIBIT H-2
ENERVEST OPERATING, LLC
INCREASED DENSITY DRILLING
NORA FIELD



PROPOSED UNITS

Date: 4/7/2016

DB 536 PG861

BOOK 0803 PAGE 0185

160000994

76BL	77BL	78BL	79BL	80BL	81BL	82BL	83BL	84BL	85BL	86BL
76BM	77BM	78BM	79BM	80BM	81BM	82BM	83BM	84BM	85BM	86BM
Dickenson Co.						Buchanan Co.				
77BN	78BN	79BN	80BN	81BN	82BN	83BN	84BN	85BN	86BN	
78BO	79BO	80BO	81BO	82BO	83BO	84BO	85BO	86BO		
77BP	78BP	79BP	80BP	81BP	82BP	83BP	84BP	85BP	86BP	
Russell Co.										
77BQ	78BQ	79BQ	80BQ	81BQ	82BQ	83BQ	84BQ	85BQ	86BQ	
76BR	77BR	78BR	79BR	80BR	81BR	82BR	83BR	84BR	85BR	86BR
76BS	77BS	78BS	79BS							

EXHIBIT H-2
ENERVEST OPERATING, LLC
INCREASED DENSITY DRILLING
NORA FIELD



PROPOSED UNITS

Date: 4/7/2016

536 PG 862

160000994

87BI	88BI	89BI	90BI	91BI	92BI	93BI	94BI	95BI	96BI	97BI
87BJ	88BJ	89BJ	90BJ	91BJ	92BJ	93BJ	94BJ	95BJ	96BJ	97BJ
87BK	88BK	89BK	90BK	91BK	92BK	93BK	94BK	95BK	96BK	97BK
87BL	88BL	89BL	90BL	91BL	92BL	93BL	94BL	95BL	96BL	97BL
87BM	88BM	89BM	90BM	91BM	92BM	93BM	94BM	95BM	96BM	97BM
87BN	88BN	89BN	90BN	91BN	92BN	93BN	94BN	95BN	96BN	97BN
87BO	88BO	89BO	90BO	91BO	92BO	93BO	94BO	95BO	96BO	97BO
Russell Co.										
87BP	88BP	89BP	90BP	91BP						

Buchanan Co.

EXHIBIT H-2

ENERVEST OPERATING, LLC
INCREASED DENSITY DRILLING
NORA FIELD

PROPOSED UNITS



Date: 4/7/2016

65BH	66BH	67BH	68BH	69BH	70BH	71BH	72BH	73BH	74BH	75BH
65BI	66BI	67BI	68BI	69BI	70BI	71BI	72BI	73BI	74BI	75BI
65BJ	66BJ	67BJ	68BJ	69BJ	70BJ	71BJ	72BJ	73BJ	74BJ	75BJ
65BK	66BK	67BK	68BK	69BK	70BK	71BK	72BK	73BK	74BK	75BK
65BL	66BL	67BL	68BL	69BL	70BL	71BL	72BL	73BL	74BL	75BL
65BM	66BM	67BM	68BM	69BM	70BM	71BM	72BM	73BM	74BM	75BM
65BN	66BN	67BN	68BN	69BN	70BN	71BN	72BN	73BN	74BN	75BN
65BO	66BO	67BO	68BO	69BO	70BO	71BO	72BO			

Dickenson Co.

16000099.4

EXHIBIT H-2

ENERVEST OPERATING, LLC
INCREASED DENSITY DRILLING
NORA FIELD

PROPOSED UNITS



Date: 4/7/2016

82AS 160000994

82AU Buchanan Co.

82AS	83AS	84AS	85AS	86AS	87AS	88AS
82AT	83AT	84AT	85AT	86AT	87AT	88AT
82AV	83AV	84AV	85AV	86AV	87AV	88AV
82AW	83AW	84AW	85AW	86AW	87AW	88AW

EXHIBIT H-2

ENERVEST OPERATING, LLC
INCREASED DENSITY DRILLING
NORA FIELD

PROPOSED UNITS



Date: 4/7/2016

Exhibit "B"
VGOB 89-0126-0009-87

160000994

Dickenson-Russell Coal Company
Maxxim Shared Services, LLC
Attn: Steve Smith
5703 Crutchfield Drive
Norton, VA 24273

ALPHA Land & Reserves, LLC
Attn: Steve Smith
5703 Crutchfield Drive
Norton, VA 24273

WBRD LLC
Chad Mooney
5260 Irwin Road
Huntington, WV 25705-3247

ACIN LLC
Chad Mooney
5260 Irwin Road
Huntington, WV 25705-3247

Alfred Lee Kiesling, Jr.
136 Mt. Mourne Loop
Mooresville, NC 28117

Amos Maggard
P.O. Box 403
Pound, VA 24279

Anna E Knight
2022 Sherwood Dr Apt 418
Johnson City, TN 37601

Annette Stidham
5610 Powell River Rd
Norton, VA 24273

Anvanell R Blevins
7692 DC Caney Ridge Road
Coeburn, VA 24230

April Kiesling Miller
1340 Mt. Ulla Highway
Mooresville, NC 21885

Exhibit "B"
VGOB 89-0126-0009-87

Barbara Brogdon
382 Marlow Cir
Clinton TN, TN 37716

Betty Salyers
422 Woodland Ct SE
Wise, VA 24293

Beverly Louise Viers
P.O. Box 3585
Wise, VA 24293

Billy Jackson and
Janice Jackson
26000 Hwy 60 East
Lake Wales, FL 33853

Carl Kiser
59704 Fairview Rd
Copuille, OR 97423

Carson Rasnick
1984 Ferdinand St
Detroit, MI 48209

Clema J. Fields
P.O. Box 2278
Clintwood, VA 24228

Darris Carroll Rasnick
15931 Flanders
Southgate, MI 48195

David C Bolling
113 Corpus Christi Dr
Bristol, TN 37620

David Coleman
P.O. Box 2294
Coeburn, VA 24230

David Kiser and Rosalee Kiser
575 Brush Creek Road
Clintwood, VA 24228

Delbert Rose and Edna Rose
P.O. Box 198
Garrett, KY 41630

Exhibit "B"
VGOB 89-0126-0009-87

Dolly Dean
4230 Elmview Rd, Apt 223
Roanoke, VA 24018
Doyle Kennedy
2642 Sunset Dr
New Smyrna Beach, FL 32168

Eldon Beauchamp and
Brigle Beauchamp
8715 East 850 St
Monterey, IN 46960

Elizabeth O'Hara
3705 Cannest Ave
Middletown, OH 45042

Elsie Sturgill and
Lloyd C Sturgill
5722 North Fork Rd
Pound, VA 24279

Evelyn Walk
5800 Guest River Rd
Norton, VA 24273

Frank Gardner and
Linda Gardner
P.O. Box 31
Fort Dick, CA 95538

Garland Kiser
7804-A South Fork Rd
Pound, VA 24279

Gary M Bolling
292 Bolling Ln
Clintwood, VA 24228

Gordie Bolling
6410 Glarnorgan Chapel Rd
Wise, VA 24293

Greg Kiser and
Aleta Kiser
5929 Tarleton Dr
Oak Ridge, NC 27310

Exhibit "B"
VGOB 89-0126-0009-87

Harlis Gardner and
Lou Ann Gardner
16303 N. Fox Hills Dr
Surprise, AR 85374

Harold Gardner nad
Ilene Gardner
421 A Street
Myrtle Point, OR 97458

Horner Kiser Jr and Wilma Kiser
6530 Dewey Rd
Pound, VA 24279

Howard Gardner and
Lou Ann Gardner
19295 Highway 42
Myrtle Point, OR 97458

Irene Vanderpool and
Dayton Vanderpool
650 Michael Dr
Franklin, OH 45005

Jackie Bolling
P.O. Box 1394
Pound, VA 24279

Jeanette Rose
1495 North Huron Rd
Tawas City, MI 48763

Jennifer Lee Bolling
102 Tabor Rd
Oak Ridge, TN 37830

Joann Pilkenton
P.O. Box 416
Lake Hamilton, FL 33851

John C Gardner
Box 58
Fort Dick, CA 95538

John Douglas Bolling
110 Darwin Ln
Oak Ridge, TN 37830

Exhibit "B"
VGOB 89-0126-0009-87

John Kiser
119 Amsterdam Dr Apt 4
Park Hills, KY 41011

Johnathan Stout
507 Virginia Avenue
Coeburn, VA 24230

Judy Sharon Johnson
8315 Maddison Lane
Wise, VA 24293

Julia M Mehlon
6104 Double Tree Ct
Baton Rouge, LA 70817

Kathy Dawn Turner
3127 Tee Lane
Knoxville, TN 37918

Laurie Ann Gardner
Box 58
Fort Dick, CA 95538

Leona Crumpton
34910 Tiller Trail Hwy
Tiller, OR 97484

Linda Hilton
618 Meadow St NE
Coeburn, VA 24230

Linda Milam Kiesling, et al
132 Mount Mourne Loop
Mooresville, NC 28117

Lois Dean Bolling
P.O. Box 1396
Dauphin Island, AL 36528

Lucille Trent
332 Flat Top Road
Coeburn, VA 24230

Marc E Pilkenton
725 9th Street
Eagle Lake, FL 33839

Exhibit "B"
VGOB 89-0126-0009-87

Maria West and Kermit West
P.O. Box 154
Buffalo, IN 47925

Michael Lewis and
Juanita Gardner
231 Park Ave
Crescent City, CA 95531

Nadine Gardner
Box 58
Fort Dick, CA 95538

Nina Mammen
17777 N.W. 173rd Ave
Beaverton, OR 97006

Peggy Jones
208 Park Ave E
Wise, VA 24293

Penny Bennett and
Steve Bennett
1192 Grouse Dr
Redding, CA 96003

Phyllis Barton
16253 Harmony Way
Abingdon, VA 24210

Raymond Gardner and
Barbara Gardner
P.O. Box 545
Bandon, OR 97411

Robert Gardner and
Patricia Gardner
P.O. Box 1337
Brooking, OR 97415

Robert M Pilkenton and
Angela Pilkenton
710 8th Street
Eagle Lake, FL 33839

Exhibit "B"
VGOB 89-0126-0009-87

Roger Pilkenton and
Carol J Pilkenton
159 Lake Ring Dr
Winter Haven, FL 33884

Roger Dale Mitchell
6814 Carter Stanley Hwy
Coeburn, VA 24230

Rosie M. Coleman
P.O. Box 1132
Clintwood, VA 24228

Roy Gardner
1456 Juniper Dr
Coosbay, OR 97420

Sandra Pilkenton
725 9th Street
Eagle Lake, FL 33839

Shelby Pilkenton
North 5 Aqua Lane Dr
Winter Haven, FL 33884

Shirley Jean Skeen
6908 Mt. Royal Boulevard
Knoxville, TN 37918

Shrole, Inc.
c/o Lacle Stanley
914 Larry Neil Way, Apt. 10
Kingsport, TN 37660

Sue Elaine Kiser
3805 Valley Creek Way, Apt #3
Knoxville, TN 37918

Sue Rose
3888 Hidden Springs Dr
Lexington, KY 40514

Texas Rose (Lilly T. Rose)
8010 DC Caney Ridge Road
Coeburn, VA 24230

Exhibit "B"
VGOB 89-0126-0009-87

Thomas Gregory Whittaker
P.O. Box 596
Pound, VA 24279

Troy Wayne Williams, II
300 Williams Lane
Coeburn, VA 24230

Vernoy Bolling
P.O. Box 1013
Wise, VA 24293

Wilton Vardnadore and
Carolyn Vardnadore
P.O. Box 701
Eagle Lake, FL 33839

Lambert Land LLC
Attn: Dennis Sutherland
PO Box 92
Emory, VA 24327

Nancy Elizabeth and
Michael Prisco
424 Talamone Drive
Winter Haven, FL 33884

Alesia Nieman
15208 Cambridge
Fraser, MI 48026

Glenda Cieslinski
4852 Lachene
Warren, MI 48092

Charles Dale Helton
213 Harris Road
Gray, KY 40734

Anna Piatkowski
177 Harris Road
Gray, KY 40734

Bruce Sutherland
PO Box 294
Haysi, VA 24256

Exhibit "B"
VGOB 89-0126-0009-87

Angela D Burress
108 Green Hill Drive
Bristol, TN 37620

Betty Sykes
14442 SE 30th Terrace
Summerfield, FL 34491

Bob & Dorothy Quesenberry
PO Box 2448
Livingston, MT 59047

Bobby & Minnie Stanley
485 Pinebrooke Ln
Westerville, OH 43082

Brenda Lee Sutherland
Asbury Place
990 Holston Road
Wytheville, VA 24382

Burnard & Dorothy Younce
637 Tivis Ridge
Haysi, VA 24256

Charlene Kennick
2207 96th Ave Apt F
Oakland, CA 94603

Christene Harrison
9540 The Lake Rd
Clintwood, VA 24228

Christopher M Bowman
PO Box 803
Chaptico, MD 20621

Connie & Doug Allred
6709 NE 109th Ave
Vancouver, WA 98662

David & Robin Pfohl
148 Elbow Creek Rd
Livingston, MT 59047

Exhibit "B"
VGOB 89-0126-0009-87

Earl & Marilyn Sharon
PO Box 684
Connor, MT 59827

Emma & Jim Oquinn
PO Box D
Haysi, VA 24256

Evelyn Cole
709 Main St
PO Box 305
Clintwood, VA 24228

Frank & Linda Stanley
100 Trinity Rd
Franklin, TN 37067

Gene R Wright
PO Box 2485
St George, UT 84771

Georgia Eden
PO Box 203
Livingston, MT 59047

Grayson Eugene &
Barbara Sutherland
PO Box 817
Grundy, VA 24614

H Clayton Davis
505 Memorial Blvd
Narrows, VA 24124

Margaret E Spangler
3307 SE 2nd Ave
Camas, WA 98607

Imogene & James Williams
241 N US Highway 1
Ormond Beach, FL 32174

Jeffrey Brian Bowman
125 Gouge St
Bristol, VA 24201

Exhibit "B"
VGOB 89-0126-0009-87

Jerry D & Mary L Sutherland
588 Sams Way
Abingdon, VA 24210

Judy & Edward Hopkins
5320 Apple Rdg Pl
Westerville, OH 43081

Kathleen & Adron Counts
676 Baker Street
Mount Gilcad, OH 43338

Kelly S Cassell
708 Oakale Rd
Kingsport, TN 37664

Kerry Sutherland
and/or Bertha Sutherland
1060 Showalter Dr Apt 306
Blacksburg, VA 24060

Kimberly Maynard
C/O Randy Maynard
244 Southwest Drive
Scottsville, KY 42164

Larry & Margaret Sutherland
5897 S Kings Hwy
Myrtle Beach, SC 29575

Larry & Barbara Younce
Rt 1 Box 338
Haysi, VA 24256

Leon Earl & Frances Jean Younce
And Warren Leon Co Guardian
PO Box 367
Clinchco, VA 24226

Leonard E & Eileen M Branham
317 Swords Creek
Honaker, VA 24260

Mabel Taylor
and/or Phillip E Taylor
3090 Patch Drive
Bloomfield Hill, MI 48304

Exhibit "B"
VGOB 89-0126-0009-87

Marsha Nolan Chadwick
13318 NE 39th Street
Vancouver, WA 98628

Maynard & Jeannie Qusenberry
17441 Bold Venture Drive
Tehachapi, CA 93561

Michael & Gail Kinnick
3047 Dorchester St East
Furlong, PA 18925

Opal S Ashworth
1060 Showalter Dr, Apt 311
Blacksburg, VA 24060

Pamela B Pinkerton
440 Brookwood Dr
Bristol, TN 37620

Paula & Billy K King
585 3rd St SW
Christiansburg, VA 24073

RC & Betty Younce
Rt 1 Box 507
Haysi, VA 24256

Richard Quesenberry
152 Willow Circle
Pasco, WA 99301

Richard & Roma Edwards
Rt 1 Box 293
Haysi, VA 24256

Rita Joyce Nickel
2310 SE 370th Ave
Washougal, WA 98671

Sara Benitex Stanley
3827 Alpert Dr
Orlando, FL 32810

Sheila & Billy Branham
148 Gray Station Rd, Apt 110
Johnson City, TN 37615

Exhibit "B"
VGOB 89-0126-0009-87

Sheilah Ginger Christensen
523 Ross Rd SE
Lancaster, OH 43130

Stanley Keith Bowman
324 Upland Way
Bristol, TN 37620

Tanas L Bowman
1125 Sharon Ave
Kettering, OH 45429

Thomas B Nolan
18316 NE Fourth Plain Rd
Vancouver, WA 98682

Vicki Nichols
CMR 374 Box 987
APO AP 96271

Betty & Buddy Moore
120 Currahee Pl
Toccoa, GA 30577

Harry Parker &
Ethel I Sutherland
1623 Millard Ave
Royal Oak, MI 48073

Mabel S Hurst
By Guardian Rebecca H Yost
PO Box 189
Rockville, VA 23146

Charlene Sutherland
990 Holston Rd
Wytheville, VA 24382

Dennis Stanley
Rd3 Box OA43
Felton, DE 19943

Gregory Stanley
PO Box 384
Clinchco, VA 24266

Exhibit "B"
VGOB 89-0126-0009-87

Dwayne Stanley
PO Box 289
Haysi, VA 24256

Phillip Stanley
PO Box 887
Clintwood, VA 24228

Roger Stanley
233 Paynes Ln
Clintwood, VA 24228

Ronad Stanley
946 Grant Mill Rd
Alto, GA 30510

Clinard Stanley
Rt 1 Box 313 A
Haysi, VA 24256

Monthalee Hopson
2635 Warren Dr
St Paul, VA 24283

Luther Stanley
6648 Fairfield
Garden City, MI 48135

Lillian Bach
1004 Blairmoore Dr
Virginia Beach, VA 23454

Patsy Avery
419 Pinewood Dr
Virginia Beach, VA 23451

Ruth Rakes
PO Box 411
Clintwood, VA 24228

Frances Jean &
Dexter McPherson
PO Box 557
Carson, WA 98610

Carla & Keith Berry
2215 NE 112th Ave
Vancouver, WA 98684

Exhibit "B"
VGOB 89-0126-0009-87

Fred Stanley
PO Box 247
Ship Bottom, NJ 08008

Rebecca H Yost
PO Box 189
Rockville, VA 23146

Kerry W Hurst
16 Eagle Point Rd
Hampton, VA 23669

David A Ashworth
1101 Hunting Camp Rd
Bastian, VA 24314

Lynn A Sentz
114 Albacore Dr
Grafton, VA 23692

Clinton H Sutherland
19167 Old Jonesboro Rd
Abingdon, VA 24211

Michael K Sutherland
260 Robert St
Christiansburg, VA 24073

Samuel H Sutherland
7011 Lithia Woods Ct
Lithia, FL 33547

Kerry P Sutherland
660 Halton Rd Apt 13L
Greenville, SC 29607

Iris Zeuschner
120 North D St
Livingston, MT 59047

Alice V Hunt
325 S Main St 307
Livingston, MT 59047

Donald Farmer
1088 Canterbury Rd
Abingdon, VA 24210

Exhibit "B"
VGOB 89-0126-0009-87

Richard Wright
9 Mesquite Rd
Cody, WY 82414

Clifton & Margaret Younce
12121 SE US Highway 441
Bellevue, FL 34420

James & Mary Sue Sutherland
Rt 2 Box 5
Haysi, VA 24256

Peggy Craft
11408 Orchard Lane
Reston, VA 20190

Dennis R Owens
PO Box 577
Bristol, TN 34621

Linda C Kirby
160 Cardigan Road
Centerville, OH 45459

Sandra L Combs
7905 Seminole Blvd 3101
Seminole, FL 33772

James R Sutherland
543 Sheldon Flats Rd
Libby, MT 59923

Stuart Henry Sutherland
1780 Commerce St
Norco, CA 92860

Charles Bartlett JR
432 E Main Street
Abingdon, VA 24210

Edwin Legard
64 Canoe Hill Rd
New Canaan, CT 68403

Exhibit "B"
VGOB 89-0126-0009-87

Elizabeth A Cox Trust
C/O Elizabeth A Cox, Trustee
146 Fern St
Hartford, CT 06105

The Emily Baker GST U/W of Emily Baker
C/O William G Baker, Jr &
Larry J White Co Trustees
21410 SE Highway 224
Damascus, OR 97089

Ken Titus Breeding
12455 Yeawood Dr
Boston, VA 22713

Arthur & Kim Breeding
10754 N Cassel Rd
Vandalia, OH 45377

Dennis Associates Inc
432 NE 23rd Street
Wilton Manors, FL 33305

Louise V Allen
1613 Mars Hill Dr
Dayton, OH 45449

Novelada E Kahlau
PO Box 2014
Marco Island, FL 34146

Phyllis J Breeding
1062 Windmill Rd
Honaker, VA 24260

Udell & Roxie A Breeding
1327 Marsha Dr
Miamisburg, OH 45342

Yvonne & Carl Ray
4067 Hurricane Creek Rd
Vansant, VA 24656

Zane F & Alleen Breeding
634 Mears Dr
Miamisburg, OH 45342

Exhibit "B"
VGOB 89-0126-0009-87

Thomas Dotson
305 Hill Road
Southern Pines, NC 28387

Randall Combs
1207 Fairlane Dr
Honaker, VA 24260

Bobby Rose Sr
PO Box 1869
Honaker, VA 24260

Ervin Compton
2993 Combs Ridge Rd
Honaker, VA 24260

Emory & Barbara Hess
1096 Barberry Rd
Honaker, VA 24260

Patsy Martin
PO Box 225
Honaker, VA 24260

Sharon Kay Perkins
PO Box 225
Honaker, VA 24260

Michael Lee Martin
66 Kents Ridge Rd
Honaker, VA 24260

Darrell W Rasnake
PO Box 155
Bee, VA 24218

Ricky Ray Edwards, Sr
PO Box 155
Bee, VA 24218

Robin L Bandari
12609 Cottage Creek
Henrico, VA 23233

Robert E Combs
3118 Red Bud Highway
Honaker, VA 24260

Exhibit "B"
VGOB 89-0126-0009-87

Bobby C Rose
PO Box 1869
Honaker, VA 24260

Claude H & Barbara L Rose
1261 Gainsville Rd
Honaker, VA 24260

Velva Gail Bostic
PO Box 193
Davenport, VA 24239

William & Kim Corn
2707 Sweetbriar Rd
Sophia, NC 27350

Gary Wayne Mullins
1000 SW Orrington Place
Lees Summit, MO 64081

Larry Beaumont Stanley
3301 Stars Cove Lane
Knoxville, TN 37931

David French
8593 Wall Triana Hwy
Harvest, Al 35749

Big Lick Trust
C/O Gregory W French, Trustee
2041 Lynn Cove Lane
Virginia Beach, VA 23454-1008

Catherine Stookey
775 Berry Road
Wood River, Il 62095

Jennifer French Mackey
1274 County Rd 2051
Nacogdoches, TX 75965

Mark B French
4112 Paddington Lane
Colleyville, TX 76034

Exhibit "B"
VGOB 89-0126-0009-87

Patricia Ann French
3522 Easton Drive
Bowie, MD 20716

Richard P. Maske
7740 NW 35th Street
Hollywood, FL 33024

Ellen L. French
6440 Lake Park Drive #305
Greenbelt, MD 20770

DONE AND EXECUTED this 19 day of May, 2016 by a majority of the Virginia Gas and Oil Board.



Chairman, Bradley C. Lambert

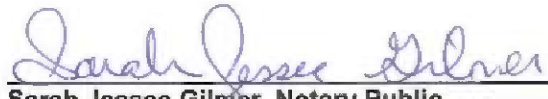
DONE AND PERFORMED this 19 day of May, 2016 by Order of the Virginia Gas and Oil Board.



Rick Cooper
Principal Executive to the
staff, Virginia Gas and Oil Board

COMMONWEALTH OF VIRGINIA
COUNTY OF RUSSELL

Acknowledged on this 19th day of May, 2016, personally before me a notary public in and for the Commonwealth of Virginia, appeared Bradley C. Lambert, being duly sworn did depose and say that he is the Chairman of the Virginia Gas and Oil Board and appeared Rick Cooper, being duly sworn did depose and say that he is Principal Executive to the staff of the Virginia Gas and Oil Board, that they executed the same and was authorized to do so.



Sarah Jessee Gilmer, Notary Public
262946

My Commission expires: July 31, 2017



BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT: EnerVest Operating, LLC DIVISION OF GAS AND OIL
DOCKET NO. VGOB 89-0126-0009-87

RELIEF SOUGHT: MODIFICATION OF NORA COALBED GAS UNIT NOS:
35BQ,63BN,64BN,61BO,62BO,63BO,64BO,63BP68BB,68BC,69BC,70BC,71BC,72BC
73BC,81BO,83BP,57BA,58BA,59BA,60BA,58BB,92BL,93BL,94BL,90BM,91BM,92B
M,93BM,94BM,68BK,69BK,70BK,71BK,67BL,68BL,69BL,70BL,71BL,72BL,69BM8
3AT,83AU,84AU,85AU,86AU.

AFFECTED UNIT: (See Attached Exhibit H2)

APPLICATION

1. Applicant and its counsel: Applicant is EnerVest Operating, LLC, 408 W. Main Street, Abingdon, Virginia 24210. Applicant's Counsel is James E. Kaiser 220 Broad Street, Suite 301, Kingsport, TN 37660 (423) 578-3838.

2. Relief sought: (1) Modification of the Nora Coalbed Methane Gas Field Rules, to allow one additional coalbed gas well to be drilled within each of the 58.77 acre Nora Units identified above. (2) For an administrative order providing that additional well permits may be issued in the Nora Field after this application is filed and while it is pending.

3. Legal authority: 4 VAC 25-160-50 and § 45.1-361.20 of the Code of Virginia.

4. Proposed provisions of order sought: That one additional coalbed methane gas well may be drilled in each of the above referenced Nora Units; that the second well be located at least 600 feet from the nearest coalbed methane well; (and that production/royalties from each coalbed methane well drilled in the said Units shall continue to be allocated solely to the owners and claimants of and to the coalbed methane within the Unit in which the well is located.)

5. Type of wells and field: Coalbed methane frac well within the portion of the Nora Coalbed Gas Field described above, and as depicted in the attached Exhibit H2.

6. Formations subject to application: All coal beds and coal seams being all producible coal seams and other associated formations, named and unnamed coal seams from the Kennedy to the base of the Pennsylvanian coal seams in the Nora Coalbed Gas Field.

7. Description of interest/claim of persons being notified: Coalbed methane.
8. Estimated ultimate recovery in each Nora Unit identified above: 500 MMCF
9. Map: See Exhibit H2 annexed hereto.
10. The boundaries and acreage affected: see Exhibit H2 annexed hereto.
11. Attestation: The foregoing application to the best of my knowledge, information and belief is true and correct.

EnerVest Operating, LLC

By: 
James E. Kaiser
220 Broad Street, Suite 301
Kingsport, TN 37660
(423) 578-3838

AFFIDAVIT OF DUE OF DILIGENCE

COMMONWEALTH OF VIRGINIA
COUNTY OF RUSSELL

I, James E. Kaiser, after being duly sworn upon oath, state as follows:

1. I am responsible for the notification process required by VA. Code Ann. § 45.1-361.19 and VR 480-05-22.2 § 4.
2. That EnerVest Operating, LLC. has exercised due diligence in attempting to locate and notice all owners and claimants who are unleased and/or who were not previously pooled by prior order(s) of the Virginia Gas and Oil Board regarding **the Nora Coalbed Gas Field**, all as required by Va. Code Ann. § 45.1-361.19 and VR 480-05-22.2.
3. That on **April 8, 2016**, a true and correct copy of the Notice of Hearing with Exhibits will be mailed, via certified mail return receipt requested, to all owners and claimants listed in Exhibit B for whom mailing addresses were then available.
4. That EnerVest Operating, LLC, will continue to exercise due diligence in attempting to locate and identify the names and/or addresses of any unknown of unlocatable parties and, if located or identified, will notify them of EnerVest Operating, LLC's application.

I have read the foregoing, and the information given above is true and correct to the best of my knowledge and belief.


James E. Kaiser
Counsel for
EnerVest Operating, LLC

BOOK 0803 PAGE 0213

ACKNOWLEDGMENT

STATE OF TENNESSEE

COUNTY OF SULLIVAN

TAKEN, SUBSCRIBED AND SWORN to before me this 8th day of
April 2016.

Susan Peterson
Susan Peterson, Notary



My commission expires: August 24, 2016.

1600982

VIRGINIA: IN THE OFFICE OF THE CLERK OF THE CIRCUIT OF RUSSELL COUNTY, 5-31, 2016. This deed was this day presented in said office, and upon the certificate of acknowledgment thereto annexed, admitted to record at 2:44 o'clock P M, after payment of \$ tax imposed by Sec. 58.1-802.

Original returned this date to: Gas & Oil Board

TESTE: ANN S. McREYNOLDS, CLERK
BY: Jennifer Hendrich D. CLERK

30BN	31BN	32BN	33BN	34BN	35BN	36BN	37BN	38BN	39BN	40BN
30BO	31BO	32BO	33BO	34BO	35BO	36BO	37BO	38BO	39BO	40BO
31BP	32BP	33BP	34BP	35BP	36BP	37BP	38BP	39BP	40BP	
31BQ	32BQ	33BQ	34BQ	35BQ	36BQ	37BQ	38BQ	39BQ	40BQ	
Dickenson Co.										
31BR	32BR	33BR	34BR	35BR	36BR	37BR	38BR	39BR	40BR	
31BS	32BS	33BS	34BS	35BS	36BS	37BS	38BS	39BS	40BS	
31BT	32BT	33BT	34BT	35BT	36BT	37BT	38BT	39BT	40BT	
30BU	31BU	32BU	33BU							

EXHIBIT H-2

ENERVEST OPERATING, LLC
INCREASED DENSITY DRILLING
NORA FIELD

PROPOSED UNITS



Date: 4/7/2016

57BM	58BM	59BM	60BM	61BM	62BM	63BM	64BM	65BM	66BM	67BM
57BN	58BN	59BN	60BN	61BN	62BN	63BN	64BN	65BN	66BN	67BN
57BP	58BP	59BP	60BP	61BP	62BP	63BP	64BP	65BP	66BP	67BP
57BQ	58BQ	59BQ	60BQ	61BQ	62BQ	63BQ	64BQ	65BQ	66BQ	67BQ
57BR	58BR	59BR	60BR	61BR	62BR	63BR	64BR	65BR	66BR	67BR
57BS	58BS	59BS	60BS	61BS	62BS	63BS	64BS	65BS	66BS	67BS

160000994

Dickenson Co.

EXHIBIT H-2

ENERVEST OPERATING, LLC
INCREASED DENSITY DRILLING
NORA FIELD

PROPOSED UNITS



Date: 4/7/2016

DB 536 PG 892

160000994

Dickenson Co.

65AY	66AY	67AY	68AY	69AY	70AY	71AY	72AY	73AY	74AY	75AY
65AZ	66AZ	67AZ	68AZ	69AZ	70AZ	71AZ	72AZ	73AZ	74AZ	75AZ
65BA	66BA	67BA	68BA	69BA	70BA	71BA	72BA	73BA	74BA	75BA
65BB	66BB	67BB	68BB	69BB	70BB	71BB	72BB	73BB	74BB	75BB
65BC	66BC	67BC	68BC	69BC	70BC	71BC	72BC	73BC	74BC	75BC
65BD	66BD	67BD	68BD	69BD	70BD	71BD	72BD	73BD	74BD	75BD
65BE	66BE	67BE	68BE	69BE	70BE	71BE	72BE	73BE	74BE	75BE
65BF	66BF	67BF	68BF	69BF	70BF	71BF	72BF	73BF		

EXHIBIT H-2

ENERVEST OPERATING, LLC
INCREASED DENSITY DRILLING
NORA FIELD

PROPOSED UNITS



Date: 4/7/2016

76BL	77BL	78BL	79BL	80BL	81BL	82BL	83BL	84BL	85BL	86BL
76BM	77BM	78BM	79BM	80BM	81BM	82BM	83BM	84BM	85BM	86BM
Dickenson Co.						Buchanan Co.				
77BN	78BN	79BN	80BN	81BN	82BN	83BN	84BN	85BN	86BN	
78BO	79BO	80BO	81BO	82BO	83BO	84BO	85BO	86BO		
77BP	78BP	79BP	80BP	81BP	82BP	83BP	84BP	85BP	86BP	
76BQ	77BQ	78BQ	79BQ	80BQ	81BQ	82BQ	83BQ	84BQ	85BQ	86BQ
76BR	77BR	78BR	79BR	80BR	81BR	82BR	83BR	84BR	85BR	86BR
78BS	79BS	80BS	81BS	82BS	83BS	84BS	85BS	86BS		

Russell Co.

EXHIBIT H-2

ENERVEST OPERATING, LLC
INCREASED DENSITY DRILLING
NORA FIELD

PROPOSED UNITS



Date: 4/7/2016

DB 536 PG 894

160000994

87BI	88BI	89BI	90BI	91BI	92BI	93BI	94BI	95BI	96BI	97BI
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87BK	88BK	89BK	90BK	91BK	92BK	93BK	94BK	95BK	96BK	97BK
87BL	88BL	89BL	90BL	91BL	92BL	93BL	94BL	95BL	96BL	97BL
87BM	88BM	89BM	90BM	91BM	92BM	93BM	94BM	95BM	96BM	97BM
87BN	88BN	89BN	90BN	91BN	92BN	93BN	94BN	95BN	96BN	97BN
87BO	88BO	89BO	90BO	91BO	92BO	93BO	94BO	95BO	96BO	97BO
Russell Co.										
Buchanan Co.										

EXHIBIT H-2

ENERVEST OPERATING, LLC
INCREASED DENSITY DRILLING
NORA FIELD

PROPOSED UNITS



Date: 4/7/2016

16000099

DB 536 PG 895

Dickenson Co.

65BKJ	66BH	67BH	68BH	69BH	70BH	71BH	72BH	73BH	74BH	75BH
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65BJ	66BJ	67BJ	68BJ	69BJ	70BJ	71BJ	72BJ	73BJ	74BJ	75BJ
65BK	66BK	67BK	68BK	69BK	70BK	71BK	72BK	73BK	74BK	75BK
65BL	66BL	67BL	68BL	69BL	70BL	71BL	72BL	73BL	74BL	75BL
65BM	66BM	67BM	68BM	69BM	70BM	71BM	72BM	73BM	74BM	75BM
65BN	66BN	67BN	68BN	69BN	70BN	71BN	72BN	73BN	74BN	75BN
65BO	66BO	67BO	68BO	69BO	70BO	71BO	72BO			

EXHIBIT H-2

ENERVEST OPERATING, LLC
INCREASED DENSITY DRILLING
NORA FIELD

PROPOSED UNITS



Date: 4/7/2016

82AS	83AS	84AS	85AS	86AS	87AS	88AS
82AT	83AT	84AT	85AT	86AT	87AT	88AT
160000994						
82AU	83AU	84AU	85AU	86AU	87AU	88AU
Buchanan Co.						
82AV	83AV	84AV	85AV	86AV	87AV	88AV
82AW	83AW	84AW	85AW	86AW	87AW	88AW

EXHIBIT H-2

ENERVEST OPERATING, LLC
 INCREASED DENSITY DRILLING
 NORA FIELD

PROPOSED UNITS



Date: 4/7/2016

56AZ	57AZ	58AZ	59AZ	60AZ	61AZ
160000994					
56BA	57BA	58BA	59BA	60BA	61BA
Dickenson Co.					
56BB	57BB	58BB	59BB	60BB	61BB
56BC	57BC	58BC	59BC	60BC	61BC

EXHIBIT H-2
 ENERVEST OPERATING, LLC
 INCREASED DENSITY DRILLING
 NORA FIELD

PROPOSED UNITS

☐ Infills Date: 4/29/2011

Map View of Nora CBM Field Increased Density Drilling Previously Board Approved

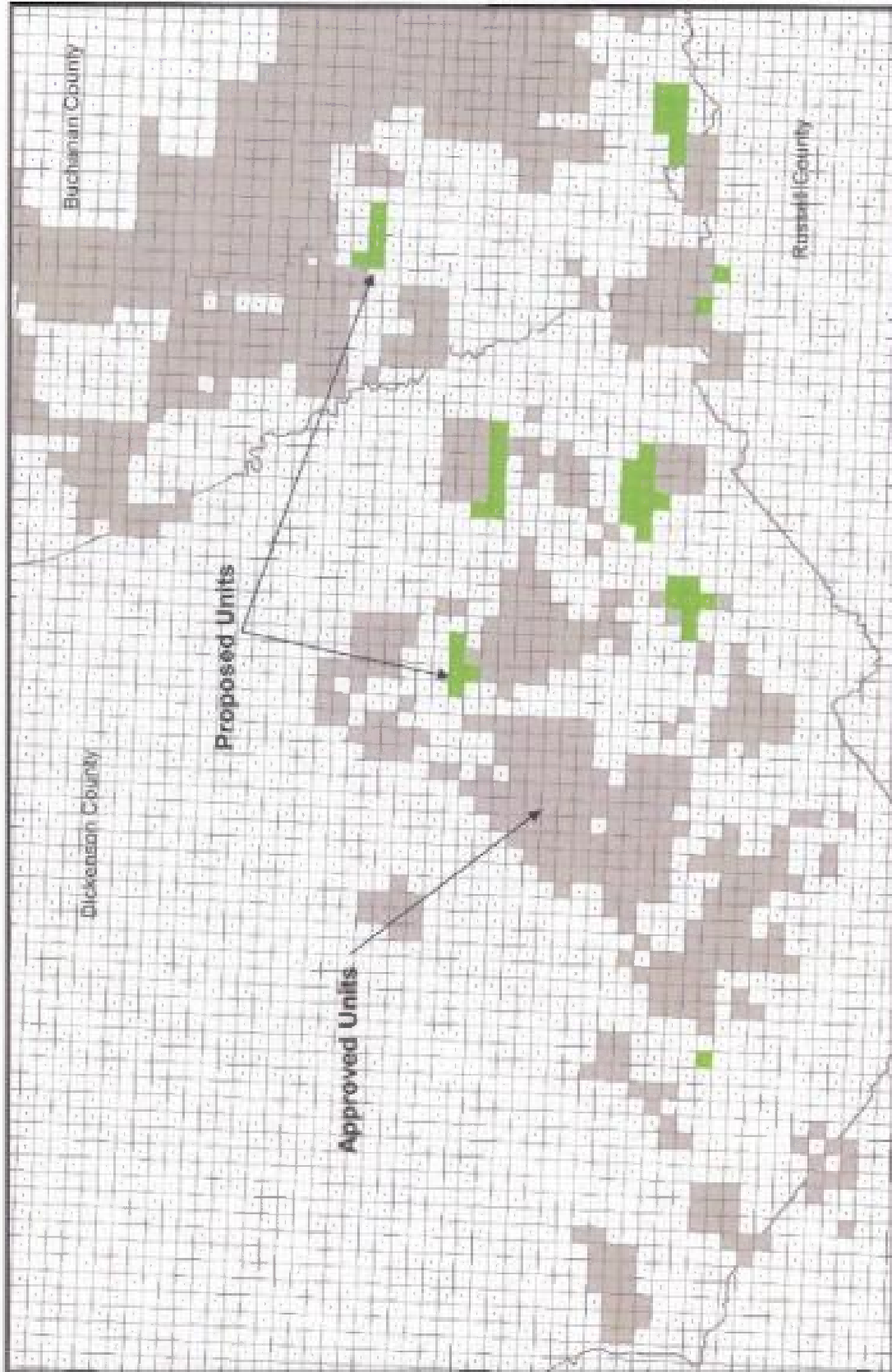


EXHIBIT K (pg 1)

Map View of Nora CBM Field Increased Density Drilling Completed to Date

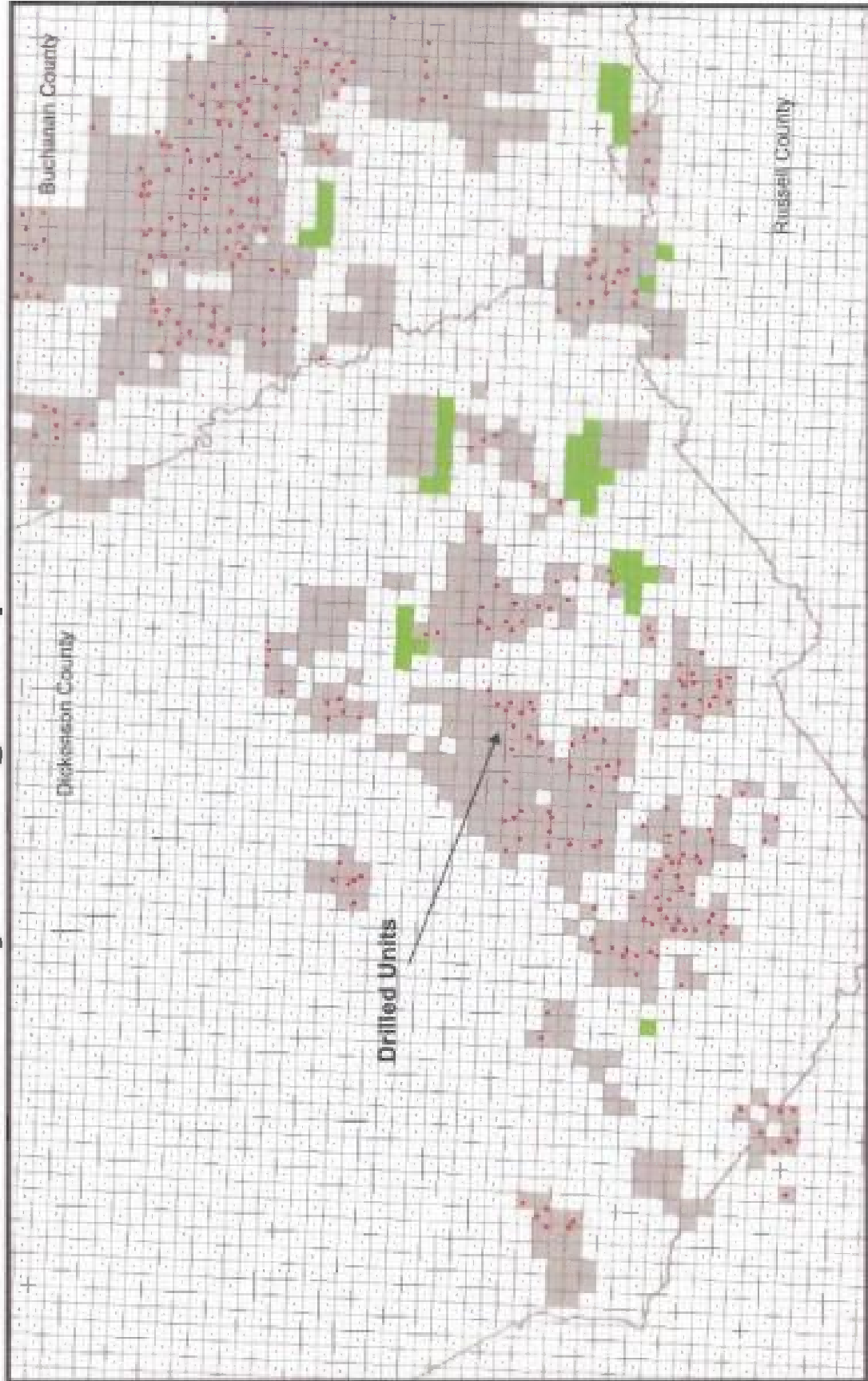


EXHIBIT K (pg 2)

Close up - Map View of Nora Increased Density Areas

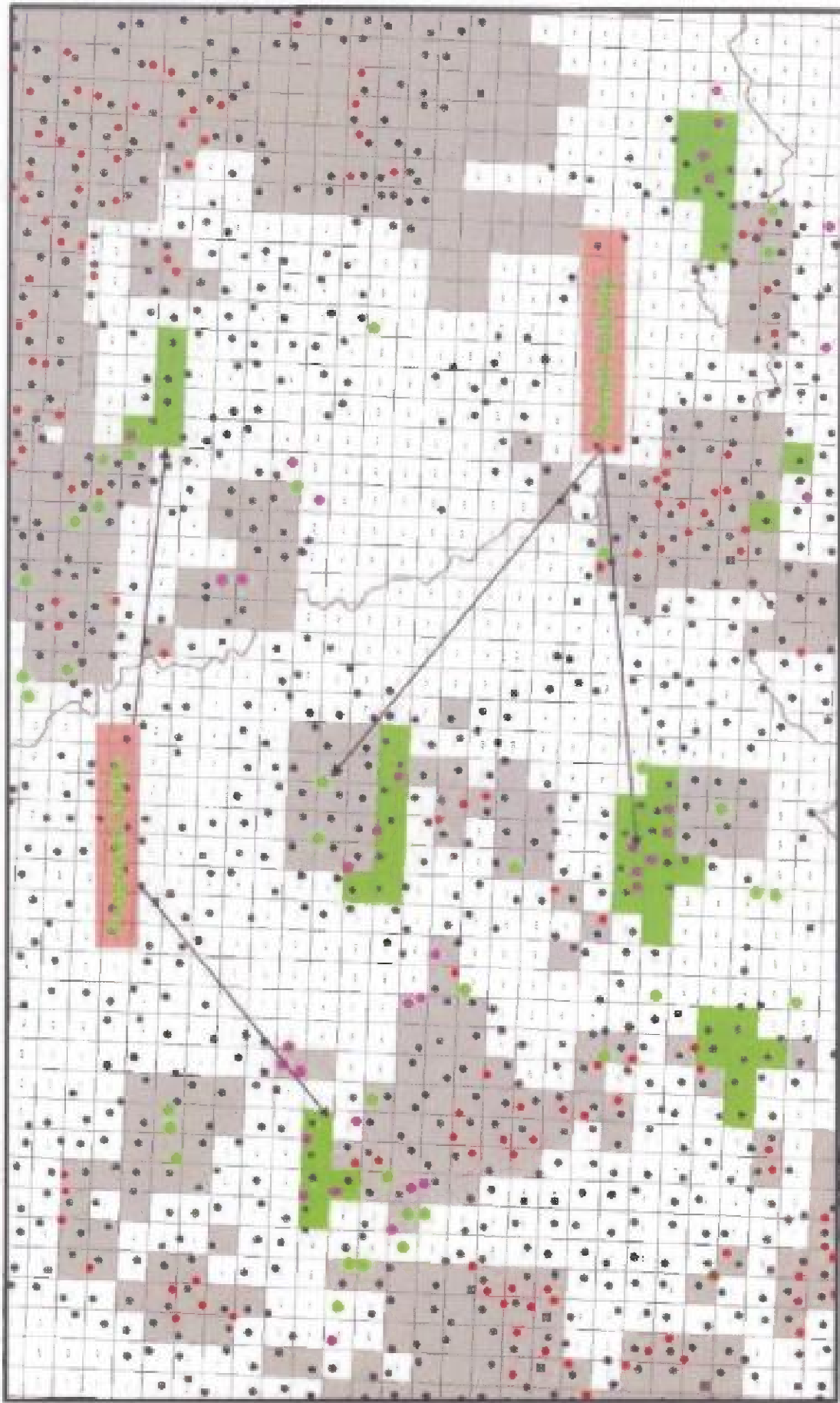
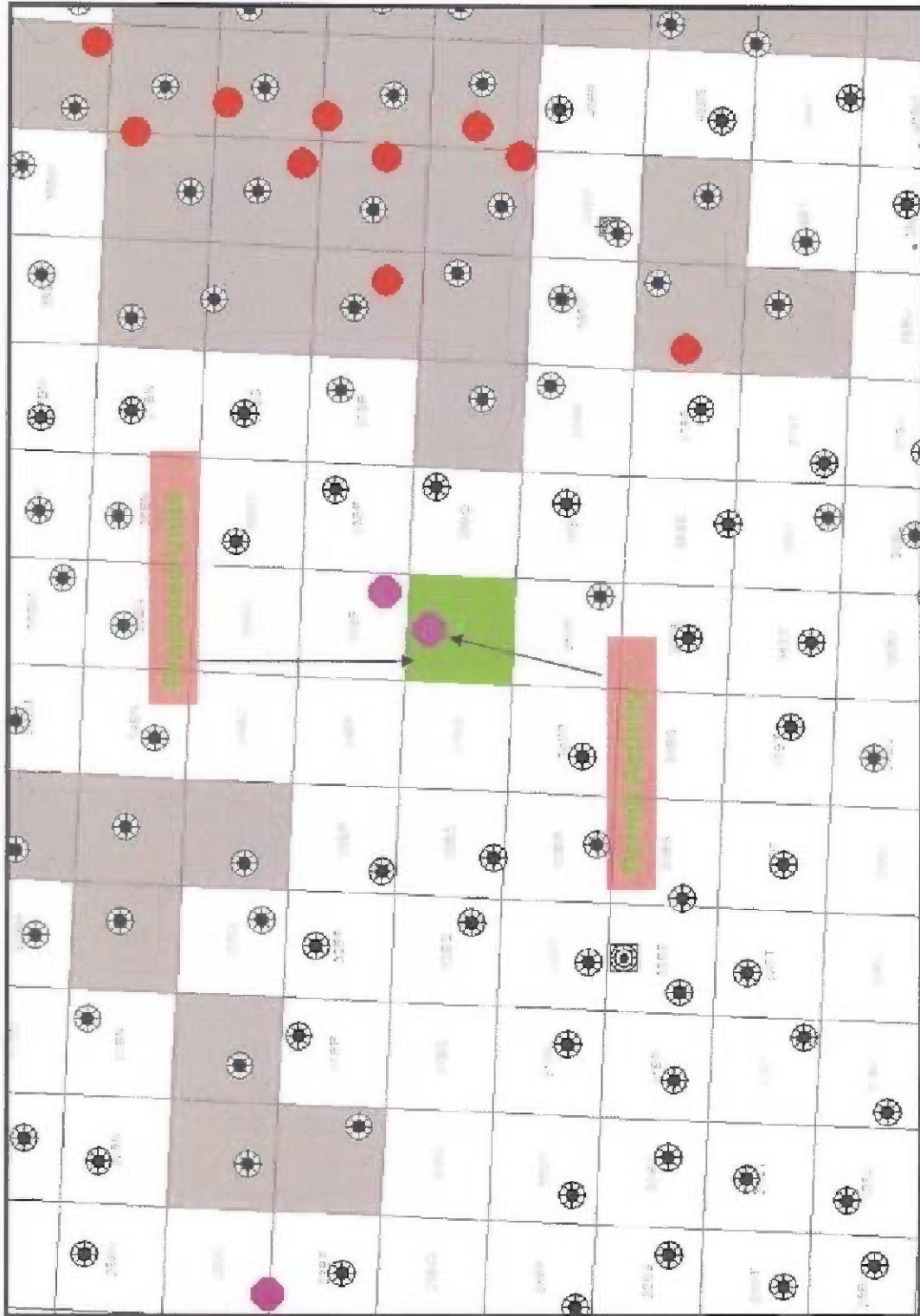


EXHIBIT K (pg 3)

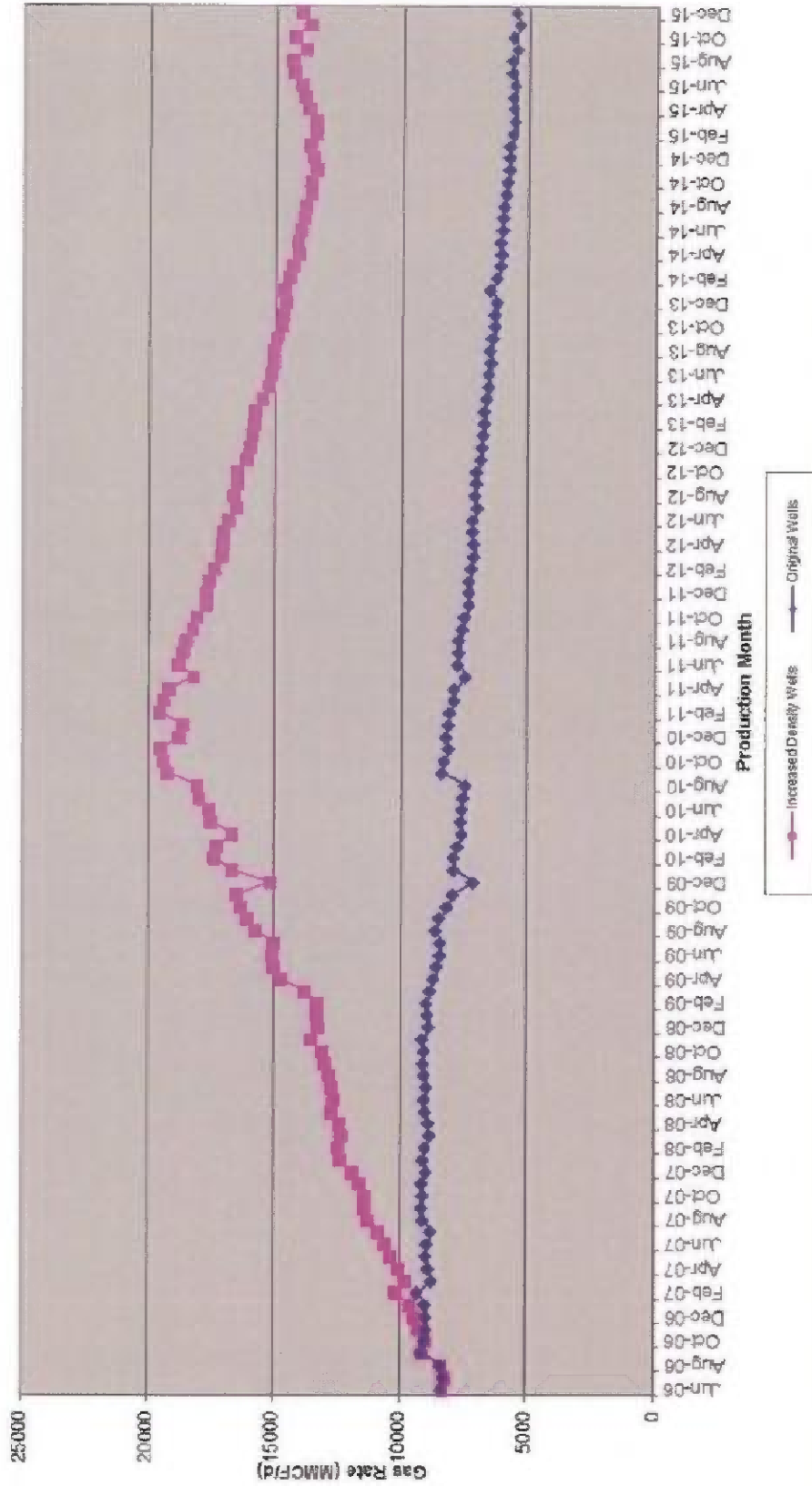
160000994

EXHIBIT K (pg 4)

Close up - Map View of Nora Increased Density Areas



Increased Density Drilling Nora Field Thru 12-2015



Benefits of Increased Density Drilling

- Increase fracturing network promoting gas flow at low pressure
- Decrease de-watering time frame
- Increase recovery factor of reservoir
- Reservoir production achieved faster and more economical
- No significant negative impact to 1st well production, generally see improvement in existing production

Infill drilling from 2006 – 2015

Production represents 196 units

EXHIBIT K (pg 5)

Recent Example of Increased Density Drilling

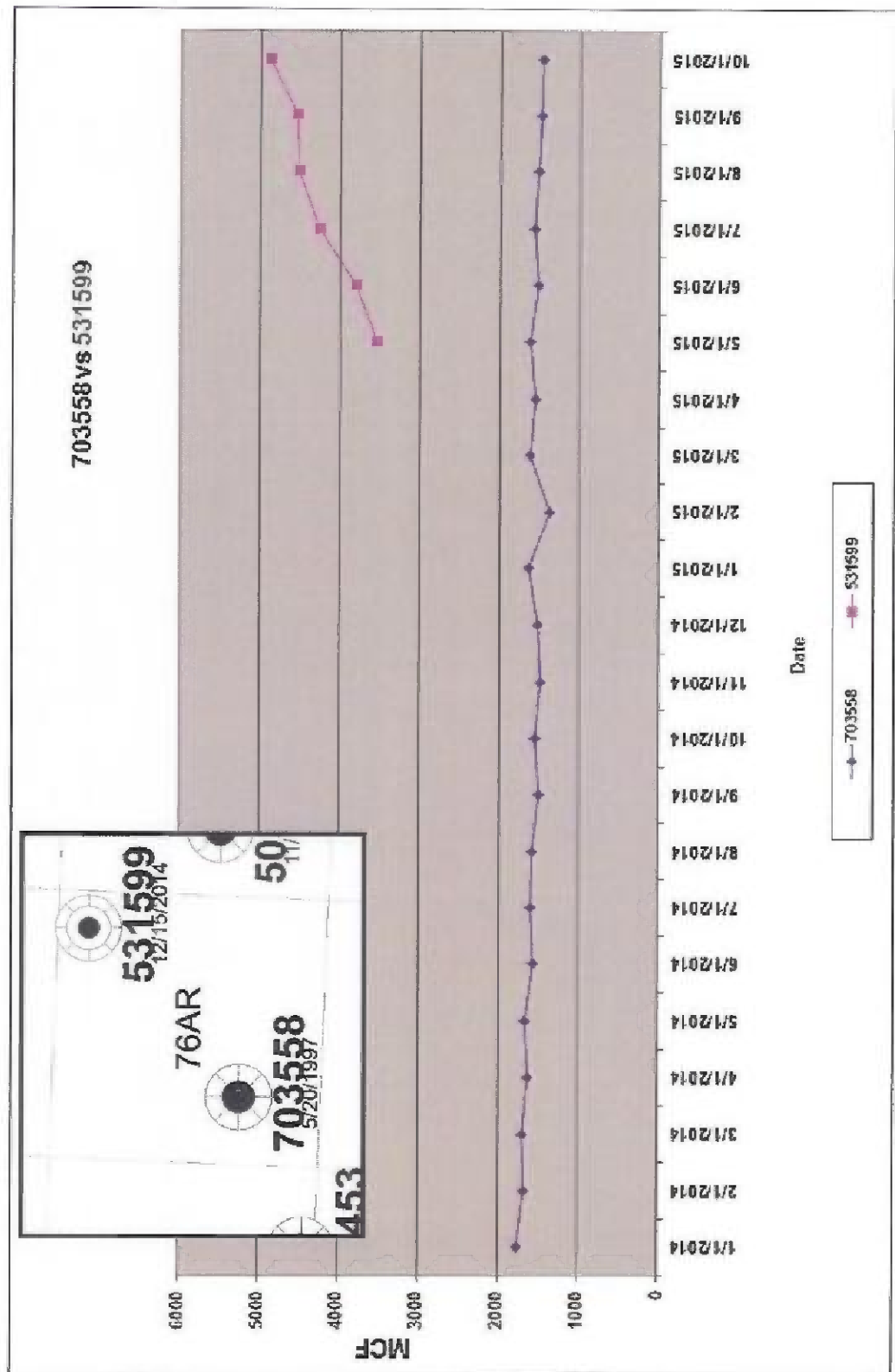


EXHIBIT K (pg 6)

Summary of Increased Density Drilling

- **Working Interest Owners, Royalty Owners, and the State will benefit by maximizing production**
- **Promote conservation of the gas resource and prevent waste by more effectively extracting the resource**
- **Allow for shared facilities such as roads, pipelines, etc. to help minimize environmental impact**
- **No correlative rights issues within proposed units**

Map View of Area Coal Mine Activity

DB 536 PG905

160000994

BOOK 0803 PAGE 0229

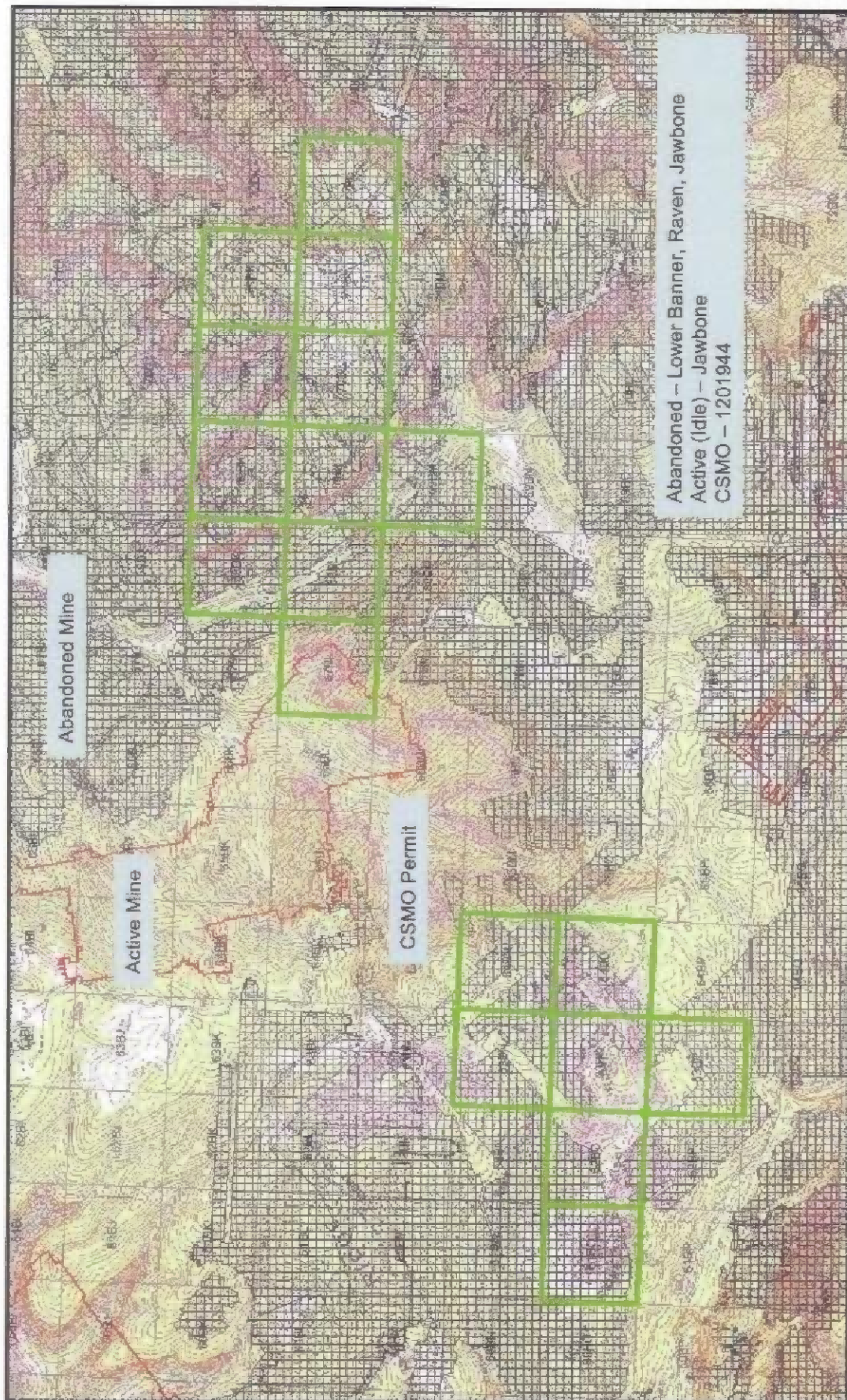


EXHIBIT K (pg 8)

Map View of Area Coal Mine Activity

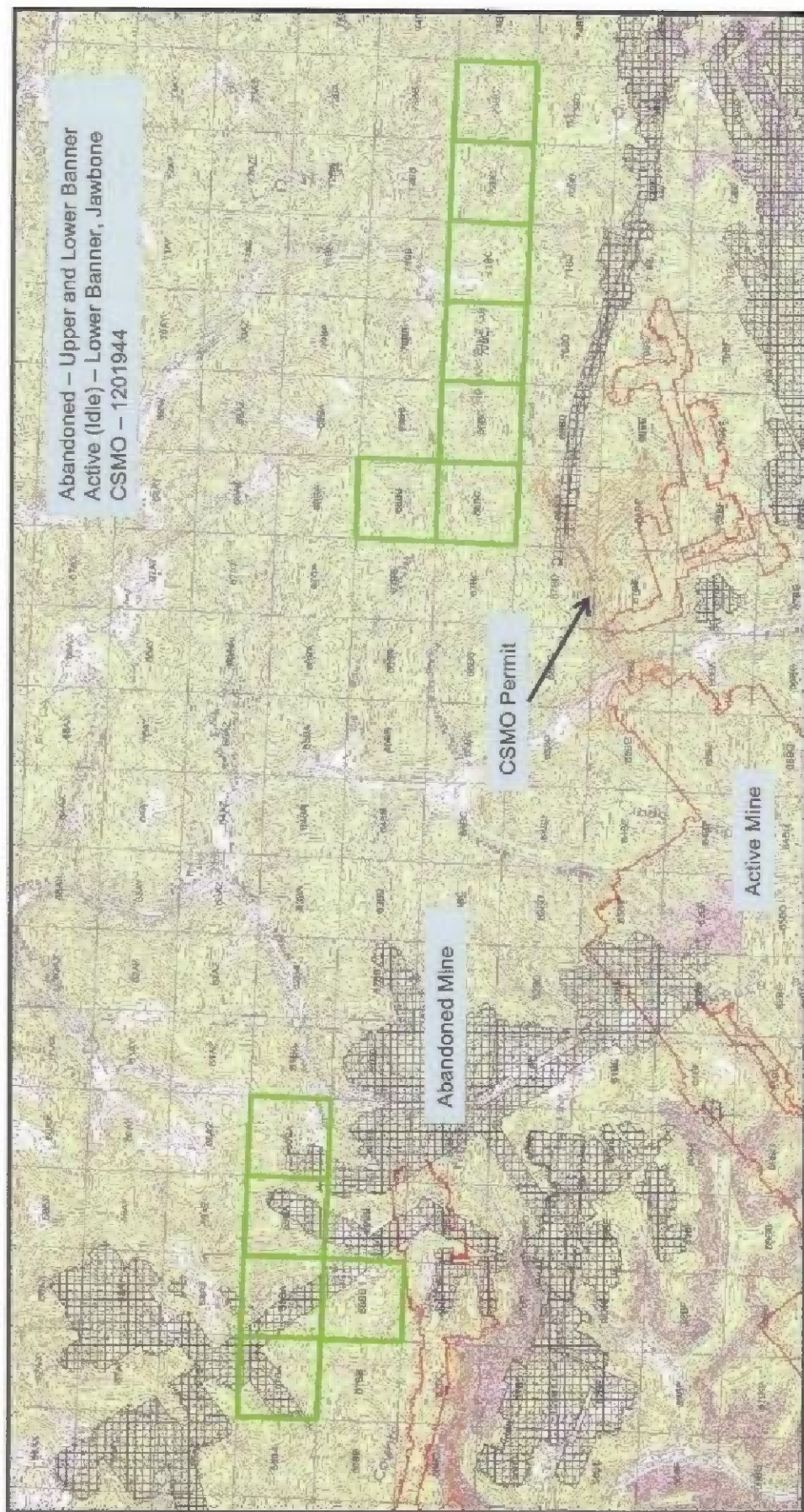


EXHIBIT K (pg 9)

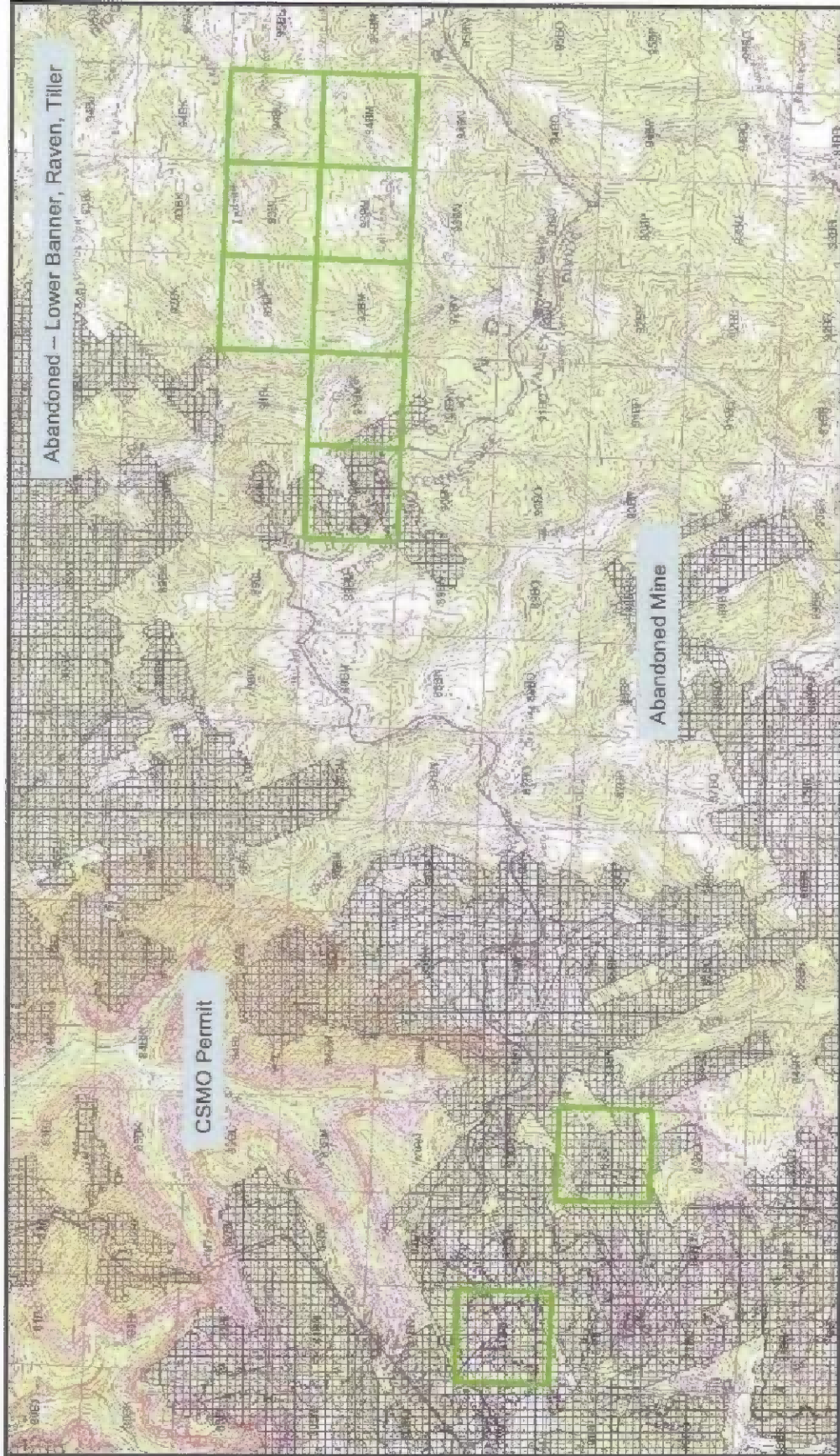
No Mining Activity

BOOK 0803 PAGE 0231

160000994

EXHIBIT K (pg 10)

Map View of Area Coal Mine Activity



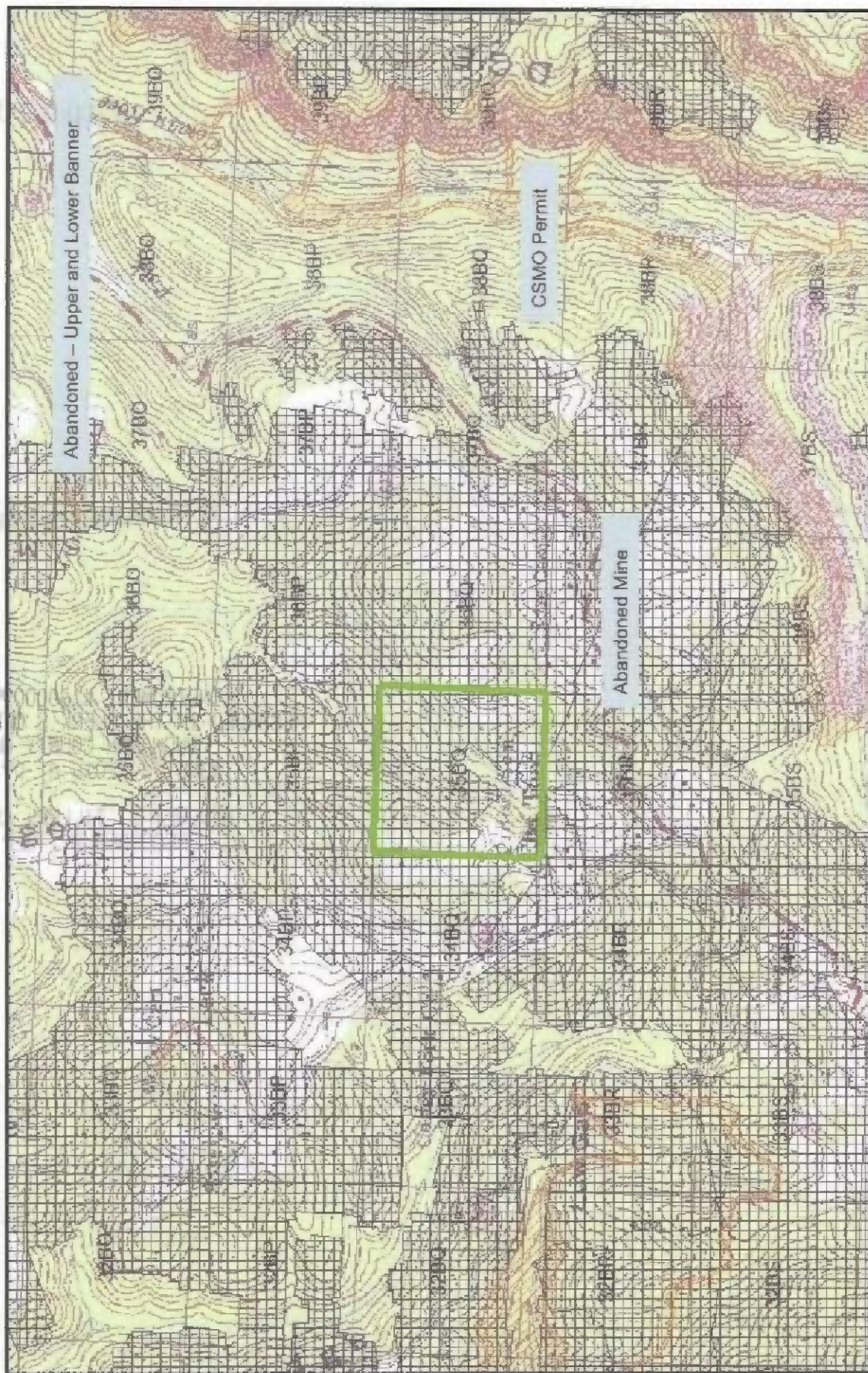
DB 536 PG908

BOOK 0803 PAGE 0232

160000994

EXHIBIT K (pg 11)

Map View of Area Coal Mine Activity



DB 536 Pg 909

160000994
BOOK 0803 PAGE 0233

EXHIBIT K (pg 12)

88203248080 ADD

DB 536 PG910

160000994

INSTRUMENT #160000994
RECORDED IN THE CLERK'S OFFICE OF
BUCHANAN COUNTY ON
JUNE 6, 2016 AT 09:39AM

BEVERLY S. TILLER, CLERK
RECORDED BY: SLP

INSTRUMENT #160000673
RECORDED IN THE CLERK'S OFFICE OF
DICKENSON ON
JUNE 17, 2016 AT 10:34AM

RICHARD W. EDWARDS, CLERK
RECORDED BY: CPF