

INSTRUMENT PREPARED BY
VIRGINIA GAS AND OIL BOARD

ORDER RECORDED UNDER CODE
OF VIRGINIA SECTION 45.1-361.26

VIRGINIA:

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT:	<u>Range Resources-Pine Mountain, Inc.</u>)	VIRGINIA GAS
)	AND OIL BOARD
RELIEF SOUGHT:	POOLING OF INTERESTS IN)	
	SUBJECT DRILLING UNIT DEPICTED ON)	
	EXHIBIT A CONTAINING 220 ACRES AND)	DOCKET NUMBER:
	DESIGNATED AS UNIT NO. VH-530183)	VGOB-12-0515-3072
	PURSUANT TOVA. CODE § 45.1-361.21,)	01
	FOR THE PRODUCTION OF GAS OTHER)	
	THAN COALBED METHANE GAS FROM)	
	SUBJECT FORMATIONS (herein referred)	
	to as " Conventional Gas " or "Gas");)	
	and (2) DESIGNATE THE APPLICANT)	
	AS THE UNIT OPERATOR FOR THE)	
	SUBJECT DRILLING UNIT)	

LEGAL DESCRIPTION:

DRILLING UNIT SERVED BY WELL NUMBERED
VH-530183 TO BE DRILLED IN
 THE LOCATION DEPICTED ON **EXHIBIT A** HERETO,
Henry Owens Tract
282.30 acres
HAYS QUADRANGLE
SANDLICK DISTRICT
DICKENSON COUNTY, VIRGINIA
 (the "Subject Lands" are more particularly
 described on **Exhibit A** attached hereto
 and made a part hereof)

TAX MAP IDENTIFICATION NUMBERS:

TAX MAP IDENTIFICATION NUMBERS FOR ALL PARCELS
 AFFECTED BY THIS ORDER ARE SHOWN ON EXHIBIT(S)
B-3 WHICH IS/ARE ATTACHED TO AND A PART OF
 THIS ORDER.

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 (hereafter "Board") at 9:00 a.m. **September 16, 2014 continued from August 19, 2014**, at the Russell County Office Building, Highland Drive, Lebanon, Virginia.
2. Appearances: **Timothy E. Scott** appeared for the Applicant.
3. Jurisdiction and Notice: Pursuant to Va. Code § 45.1-361.1 *et seq.*, the Board finds that it has jurisdiction over the subject matter. Based upon the evidence presented by 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 having an interest in Subject Drilling Unit underlying and comprised of Subject Lands; (2) has represented to the Board that it has given notice to those parties (hereafter sometimes "person(s)" whether referring to individuals, corporations, partnerships, associations, companies, businesses, trusts, joint ventures or other legal entities) entitled by Va. Code § 45.1-361.19 to notice of the Application filed herein; and (3) that the persons set forth in their Application and Notice of Hearing have been identified by Applicant through its due diligence as Owners or Claimants of Conventional Gas interests underlying Subject Drilling Unit, including those set out in **Exhibit B-3** who have not heretofore leased, sold or voluntarily agreed with the Applicant to pool their Gas interests in Subject Drilling Unit. Unknown and/or Unlocatable Owners/Claimants in the Subject Drilling Unit are listed on **Exhibit E**. Further, the Board has caused notice of this hearing to be published as required by Va. Code § 45.1-361.19 B. Whereupon, the Board hereby finds that the notices given herein satisfy all statutory requirements, Board rule requirements and the minimum standards of due process.

4. Amendments: None.

5. Dismissals: None.

6. Relief Requested: Applicant requests (1) that pursuant to Va. Code § 45.1-361.20, the Board establish Subject Drilling Unit to be served by **Well No. VH-530183**; and (2) that pursuant to Va. Code § 45.1-361.21, the Board pool the rights, interests and estates in and to the Conventional Gas of the known and unknown persons listed in the attached **Exhibit B-3**, and that of their known and unknown heirs, executors, administrators, devisees, trustees, assigns and successors, both immediate and remote, for the drilling and operation, including production, of Conventional Gas from the Subject Drilling Unit established for Subject Formations underlying and comprised of the Subject Lands, (hereafter sometimes collectively identified and referred to as "Well Development and/or Operation in the Subject Drilling Unit"); and, (3) that the Board designate **Range Resources-Pine Mountain, Inc.** as Unit Operator.

7. Relief Granted: The requested relief in this cause shall be and hereby is granted.

7.1 The Board hereby: (1) pursuant to Va. Code § 45.1-361.21 C 3, designates **Range Resources-Pine Mountain, Inc.** (hereinafter "Unit Operator") as the Operator authorized to drill and operate **Well No. VH-530183** in the Subject Drilling Unit at the location depicted on the plat attached hereto as **Exhibit A** to produce Conventional Gas from Subject Formations, subject to the permit provisions contained in § 45.1-361.27 *et seq.*, Code of Virginia, 1950 as amended, to § 4 VAC 25-150 *et seq.*, Gas and Oil Regulations and to § 4 VAC 25-160 *et seq.*, Virginia Gas and Oil Board Regulations, all as amended from time to time; and (2) pursuant to Va. Code § 45.1-361.21A, the rights, interests, and estates in and to the Conventional Gas in Subject Drilling Unit including those of the known and unknown persons listed on **Exhibit B-3**, attached hereto and made a part hereof, and their known and unknown heirs, executors, administrators, devisees, trustees, assigns, and successors, both immediate and remote, be and hereby are pooled in the Subject Formations in the Subject Drilling Unit underlying and comprised of the Subject Lands. There are no applicable field rules and the unit is subject to statewide spacing requirements of Va. Code § 45.1-361.17.

8. Election and Election Period: In the event any Gas owner named in the Application and Notice of Hearing has not heretofore reached a voluntary agreement to share in the operation of the well to be located in Subject Drilling Unit at a rate of payment mutually agreed to by said Gas owner and the Operator, then, such person may elect one of the options set forth in Paragraph 9 below and must give written notice of his election of the option selected under Paragraph 9 herein to the designated Unit Operator at the address shown below within thirty (30) days from the date of receipt of a copy of this Order. A timely election shall be deemed to have been made if, on or before the last day of said 30-day period, such electing person has delivered his written election to the designated Unit Operator at the

address shown below or has duly postmarked and placed his written election in first class United States mail, postage prepaid, addressed to the Unit Operator at the address shown below.

9. Election Options:

- 9.1 Option 1 - To Participate In The Development and Operation of the Drilling Unit: Any Gas Owner or Claimant named in Exhibit B-3 who has not reached a voluntary agreement with the Operator may elect to participate in the Well Development and Operation on the Subject Drilling Unit (hereafter "Participating Operator") by agreeing to pay the estimate of such Participating Operator's proportionate part of the actual and reasonable costs, including a reasonable supervision fee, of the Well Development and Operation, as more particularly set forth in Virginia Gas and Oil Board Regulation 4 VAC 25-160-100 (herein "Completed for Production Costs"). Further, a Participating Operator agrees to pay the estimate of such Participating Operator's proportionate part of the Estimated, Completed-for-Production Costs as set forth below to the Unit Operator within forty-five (45) days from the later of the date of mailing or the date of recording of this Order. The estimated Completion-for-Production Costs for the Subject Drilling Unit are as follows:

Estimated, Completed-for-Production Costs: **\$1,321,647.00**

Any gas owner and/or claimants named in Exhibit B-3, who elects this option (Option 1) understands and agrees that their initial payment under this option is for their proportionate share of the Applicant's estimate of actual costs and expenses. It is also understood by all persons electing this option that they are agreeing to pay their proportionate share of the actual costs and expenses as determined by the operator in this Board Order.

A Participating Operator's proportionate cost hereunder shall be the result obtained by multiplying the Participating Operator's "Percent of Unit" times the Completed-for-Production Cost set forth above. Provided, however, that in the event a Participating Operator elects to participate and fails or refuses to pay the estimate of his proportionate part of the Completed-for-Production Cost as set forth above, all within the time set forth herein and in the manner prescribed in Paragraph 8 of this Order, then such Participating Operator shall be deemed to have elected not to participate and to have elected compensation in lieu of participation pursuant to Paragraph 9.2 herein.

- 9.2 Option 2 - To Receive A Cash Bonus Consideration: In lieu of participating in the Well Development and Operation of Subject Drilling Unit under Paragraph 9.1 above, any Gas Owner or Claimant named in Exhibit B-3 in the unit who has not reached a voluntary agreement with the Operator may elect to accept a cash bonus consideration of **\$25.00** per net mineral acre owned by such person, commencing upon entry of this Order and continuing annually until commencement of production from Subject Drilling Unit, and thereafter a royalty of 1/8th of 8/8ths [twelve and one-half percent (12.5%)] of the net proceeds received by the Unit Operator for the sale of the Gas produced from any Well Development and Operation covered by this Order multiplied by the Gas owner's percentage Interest Within Unit as set forth in the Application and Notice of Hearing (for purposes of this Order, net proceeds shall be actual proceeds received less post-production costs incurred downstream of the wellhead, including, but not limited to, gathering, compression, treating, transportation and marketing costs, whether performed by Unit Operator or a third person) as fair, reasonable and equitable compensation to be paid to said Gas owner. The initial cash bonus shall become due and owing when so elected and shall be tendered,

paid or escrowed within one hundred twenty (120) days of recording of this Order. Thereafter, annual cash bonuses, if any, shall become due and owing on each anniversary of the date of recording of this Order in the event production from Subject Drilling Unit has not theretofore commenced, and once due, shall be tendered, paid or escrowed within sixty (60) days of said anniversary date. Once the initial cash bonus and the annual cash bonuses, if any, are so paid or escrowed, said payment(s) shall be satisfaction in full for the right, interests, and claims of such electing Gas owner in and to the Gas produced from Subject Formation in the Subject Lands, except, however, for the 1/8th royalties due hereunder.

Subject to a final legal determination of ownership, the election made under this Paragraph 9.2, when so made, shall be satisfaction in full for the right, interests, and claims of such electing person in any Well Development and Operation covered hereby and such electing person shall be deemed to and hereby does lease and assign its right, interests, and claims in and to the Gas produced from Subject Formation in the Subject Drilling Unit to the Applicant.

- 9.3. Option 3 - To Share In The Development And Operation As A Non-Participating Person On A Carried Basis And To Receive Consideration In Lieu Of Cash: In lieu of participating in the Well Development and Operation of Subject Drilling Unit under Paragraph 9.1 above and in lieu of receiving a cash bonus consideration under Paragraph 9.2 above, any Gas Owner or Claimant named in **Exhibit B-3** hereto who does not reach a voluntary agreement with the Operator may elect to share in the Well Development and Operation of Subject Drilling Unit on a carried basis (as a "Carried Well Operator") so that the proportionate part of the Completed-for-Production Costs hereby allocable to such Carried Well Operator's interest is charged against such Carried Well Operator's share of production from Subject Drilling Unit. Such Carried Well Operator's rights, interests, and claims in and to the Gas in Subject Drilling Unit shall be deemed and hereby are assigned to the Unit Operator until the proceeds from the sale of such Carried Well Operator's share of production from Subject Drilling Unit (exclusive of any royalty, excess or overriding royalty, or other non-operating or non cost-bearing burden reserved in any lease, assignment thereof or agreement relating thereto covering such interest) equals three hundred percent (300%) for a leased interest or two hundred percent (200%) for an unleased interest (whichever is applicable) of such Carried Well Operator's share of the Completed-for-Production Costs allocable to the interest of such Carried Well Operator. Any Gas Owner and/or Claimant named in **Exhibit B-3** who elects this option (Option 3) understands and agrees that Completed-for-Production Costs are the Operator's actual costs for well development and operation. When the Unit Operator recoups and recovers from such Carried Well Operator's assigned interest the amounts provided for above, then, the assigned interest of such Carried Well Operator shall automatically revert back to such Carried Well Operator, and from and after such reversion, such Carried Well Operator shall be treated as if it had participated initially under Paragraph 9.1 above; and thereafter, such participating person shall be charged with and shall pay his proportionate part of all further costs of such well development.

Subject to a final legal determination of ownership, the election made under this Paragraph 9.3, when so made, shall be satisfaction in full for the right, interests, and claims of such electing person in any well development and operation covered hereby and such electing person shall be deemed to have and hereby does assign his right, interests, and claims in and to the Gas produced from

Subject Formation in the Subject Drilling Unit to the Unit Operator for the period of time during which his interest is carried as above provided prior to its reversion back to such electing person.

10. Failure to Properly Elect: In the event a person named in **Exhibit B-3** hereto does not reach a voluntary agreement with the Applicant and fails to do so within the time, in the manner, and in accordance with the terms of this Order one of the alternatives set forth in Paragraph 9 above for which his interest qualifies, then such person shall be deemed to have elected not to participate in the proposed Well Development and Operation in Subject Drilling Unit and shall be deemed, subject to any final legal determination of ownership, to have elected to accept as satisfaction in full for such person's right, interests, and claims in and to the Gas the consideration provided in Paragraph 9.2 above for which its interest qualifies and shall be deemed to have leased and/or assigned his right, interests, and claims in and to Gas in the Subject Drilling Unit to the Unit Operator. Persons who fail to properly elect shall be deemed to have accepted the compensation and terms set forth herein at Paragraph 9.2 in satisfaction in full for the right, interests, and claims of such person in and to the Gas produced from Subject Formation underlying Subject Lands.

11. Default By Participating Person: In the event a person named in **Exhibit B-3** elects to participate under Paragraph 9.1, but fails or refuses to pay, to secure the payment or to make an arrangement with the Unit Operator for the payment of such person's proportionate part of the Estimated Completed-for-Production costs as set forth herein, all within the time and in the manner as prescribed in this Order, then such person shall be deemed to have withdrawn his election to participate and shall be deemed to have elected to accept as satisfaction in full for such person's right, interests, and claims in and to the Gas the consideration provided in Paragraph 9.2 above for which his interest qualifies depending on the excess burdens attached to such interest. Whereupon, any cash bonus consideration due as a result of such deemed election shall be tendered, paid or escrowed by Unit Operator within one hundred twenty (120) days after the last day on which such defaulting person under this Order should have paid his proportionate part of such cost or should have made satisfactory arrangements for the payment thereof. When such cash bonus consideration is paid or escrowed, it shall be satisfaction in full for the right, interests, and claims of such person in and to the Gas underlying Subject Drilling Unit in the Subject Lands covered hereby, except, however, for any 1/8th royalties which would become due pursuant to Paragraph 9.2 hereof.

12. Assignment of Interest: In the event a person named in **Exhibit B-3** is unable to reach a voluntary agreement to share in the Well Development and Operation contemplated by this Order at a rate of payment agreed to mutually by said Owner or Claimant and the Applicant, and said person elects or fails to elect to do other than participate under Paragraph 9.1 above in the Well Development and Operation in Subject Drilling Unit, then such person shall be deemed to have and shall have assigned unto Applicant such person's right, interests, and claims in and to said well, in Subject Formations in Subject Drilling Unit, and other share in and to Gas production to which such person may be entitled by reason of any election or deemed election hereunder in accordance with the provisions of this Order governing said elections.

13. Unit Operator (or Operator): **Range Resources-Pine Mountain, Inc.** shall be and hereby is designated as Unit Operator authorized to drill and operate **Well No. VH-530183** in Subject Formations in Subject Drilling Unit, all subject to the permit provisions contained in Va. Code § 45.1-361.27 *et seq.*, §§ 4 VAC 25-150 *et seq.*, Gas and Oil Regulations and §§ 4 VAC 25-160 *et seq.*, Virginia Gas and Oil Board Regulations, all as amended from time to time, and all elections required by this Order shall be communicated to Unit Operator in writing at the address shown below:

Range Resources-Pine Mountain, Inc.
406 West Main Street
P. O. Box 2136
Abingdon, VA 24212
Phone: (276) 619-2583
Fax: (276) 628-7246
Attn: Philip S. Horn, Land Manager

14. Commencement of Operations: Unit Operator shall commence or cause to commence operations for the drilling of the well covered hereby within seven hundred and thirty (730) days from the date of this Order and shall prosecute the same with due diligence. If Unit Operator shall not have so commenced and/or prosecuted, then this Order shall terminate, except for any cash sums becoming payable hereunder; otherwise, unless sooner terminated by Order of the Board, this Order shall expire at 12:00 P.M. on the date on which the well covered by this Order is permanently abandoned and plugged. However, in the event an appeal is taken from this Order, then the time between the filing of the Petition for Appeal and the final Order of the Circuit Court shall be excluded in calculating the two-year period referenced herein.

15. Operator's Lien: Unit Operator, in addition to the other rights afforded hereunder, shall have a lien and a right of set off on the Gas estates, rights, and interests owned by any person subject hereto who elects to participate under Paragraph 9.1 in the Subject Drilling Unit to the extent that costs incurred in the drilling or operation on the Subject Drilling Unit are a charge against such person's interest. Such liens and right of set off shall be separable as to each separate person and shall remain liens until the Unit Operator drilling or operating the well covered hereby has been paid the full amounts due under the terms of this Order.

16. Escrow Provisions: Applicant has represented to the Board that there are no Unknown and/or Unlocatable Gas Owners within the Subject Drilling Unit whose interests are subject to the escrow requirements of Paragraph 16.1 of the Subject Drilling Unit; and, the Applicant has represented to the Board that there are no conflicting claimants in the Subject Drilling Unit whose payments are subject to the provisions of Paragraph 16.2 hereof. Therefore, by this Order and unless and until otherwise ordered by the Board, the Escrow Agent named herein, or any successor named by the Board, is not required to establish an interest-bearing escrow account for the Subject Drilling Unit (herein "Escrow Account"), and to receive and account to the Board pursuant to its agreement for the escrowed funds hereafter described in Paragraphs 16.1 and 16.2:

First Bank and Trust Company
Trust Division
P. O. Box 3860
Kingsport, Tennessee 37664
Tel: (423) 246-3700
Attn: Julie Eades

16.1 Escrow Provisions for Unknown or Unlocatable Persons: If any payment of bonus, royalty payment or other payment due and owing cannot be made because the person entitled thereto cannot be located or is unknown, then such cash bonus, royalty payment or other payment shall not be commingled with any funds of the Unit Operator and shall, pursuant to Va. Code § 45.1-361.21 D, be deposited by the Operator into the Escrow Account, commencing within one hundred twenty (120) days of recording of this Order, and continuing thereafter on a monthly basis with each deposit to be made by a date which is no later than sixty (60) days after the last day of the month being reported and/or for which funds are subject to deposit. Such funds shall be held for the exclusive use of, and sole benefit of the person entitled thereto until such funds can be paid to such

person(s) or until the Escrow Agent relinquishes such funds as required by law or pursuant to order of the Board in accordance with Va. Code § 45.1-361.21 D.

- 16.2 Escrow Provisions For Conflicting Claimants: If any payment of bonus, royalty payment, proceeds in excess of ongoing operational expenses, or other payment due and owing under this Order cannot be made because the person entitled thereto cannot be made certain due to conflicting claims of ownership and/or a defect or cloud on the title, then such cash bonus, royalty payment, proceeds in excess of ongoing operational expenses, or other payment, together with Participating Operator's Proportionate Costs paid to Unit Operator pursuant to Paragraph 9.1 hereof, if any, (1) shall not be commingled with any funds of the Unit Operator; and (2) shall, pursuant to Va. Code §§ 45.1-361.22 A 2, 45.1-361.22 A 3 and 45.1-361.22 A 4, be deposited by the Operator into the Escrow Account within one hundred twenty (120) days of recording of this Order, and continuing thereafter on a monthly basis with each deposit to be made by a date which is no later than sixty (60) days after the last day of the month being reported and/or for which funds are subject to deposit. Such funds shall be held for the exclusive use of, and sole benefit of, the person entitled thereto until such funds can be paid to such person(s) or until the Escrow Agent relinquishes such funds as required by law or pursuant to Order of the Board.
17. Special Findings: The Board specifically and specially finds:
- 17.1. Applicant is **Range Resources-Pine Mountain, Inc.** Applicant is duly authorized and qualified to transact business in the Commonwealth of Virginia;
- 17.2. Applicant **Range Resources-Pine Mountain, Inc.** is an operator in the Commonwealth of Virginia, and has satisfied the Board's requirements for operations in Virginia;
- 17.3. Applicant **Range Resources-Pine Mountain, Inc.** claims ownership of Gas leases on **96.04%** percent of Subject Drilling Unit and the right to explore for, develop, and produce Gas from same;
- 17.4. Applicant has proposed the drilling of **Well No. VH-530183** to a depth of **9,400** feet on the Subject Drilling Unit at the location depicted on **Exhibit A** to develop the pool of Gas in Subject Formations, and to complete and operate **Well No. VH-530183** for the purpose of producing Conventional Gas.
- 17.5. The estimated production of the life of the proposed **Well No. VH-530183** is **1200 mmcf.**
- 17.6. With this Application, notice was provided to everyone claiming an ownership interest relative to the production of conventional gas in the Subject Drilling Unit. Set forth in **Exhibit B-3**, is the name and last known address of each Owner or Claimant identified by the Applicant as Gas owners in Subject Drilling Unit who has not, in writing, leased to the Applicant or the Unit Operator or agreed to voluntarily pool his interests in Subject Drilling Unit for its development. Gas interests unleased to the Operator and listed in **Exhibit B-3** represent **3.96%** percent of Subject Drilling Unit;
- 17.7. Applicant's evidence established that the fair, reasonable and equitable compensation to be paid to any person in lieu of the right to participate in the Wells are those options provided in Paragraph 9 above;
- 17.8. The Subject Drilling Unit does not constitute an unreasonable or arbitrary exercise of Applicant's right to explore for or produce Gas;
- 17.9. The relief requested and granted is just and reasonable, is supported by substantial evidence and will afford each person listed and named in **Exhibit B-3** hereto the

opportunity to recover or receive, without unnecessary expense, such person's just and fair share of the production from Subject Drilling Unit. The granting of the Application and relief requested therein will ensure to the extent possible the greatest ultimate recovery of Conventional Gas, prevent or assist in preventing the various types of waste prohibited by statute and protect or assist in protecting the correlative rights of all persons in the subject common sources of supply in the Subject Lands. Therefore, the Board is entering an Order granting the relief herein set forth.

18. Mailing Of Order And Filing Of Affidavit: Applicant or its Attorney shall file an affidavit with the Secretary of the Board within sixty (60) days after the date of recording of this Order stating that a true and correct copy of said Order was mailed within seven (7) days from the date of its receipt by the Unit Operator to each Respondent named in **Exhibit B-3** pooled by this Order and whose address is known.

19. Availability of Unit Records: The Director shall provide all persons not subject to a lease with reasonable access to all records for Subject Drilling Unit which are submitted by the Unit Operator to said Director and/or his Inspector(s).

20. Conclusion: Therefore, the requested relief and all terms and provisions set forth above be and hereby are granted and **IT IS SO ORDERED.**

21. Appeals: Appeals of this Order are governed by the provisions of Va. Code Ann. § 45.1-361.9 which provides that any order or decision of the Board may be appealed to the appropriate circuit court.

22. Effective Date: This Order shall be effective as of the date of the Board's approval of this Application, which is set forth at Paragraph 1 above.

DONE AND EXECUTED this 30 day of September, 2014 by a majority of the Virginia Gas and Oil Board.



Chairman, Bradley C. Lambert

DONE AND PERFORMED this 30 day of September, 2014 by Order of the Virginia Gas and Oil Board.



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

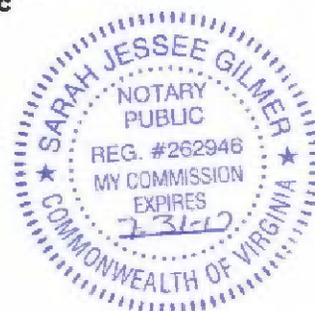
COMMONWEALTH OF VIRGINIA
COUNTY OF RUSSELL

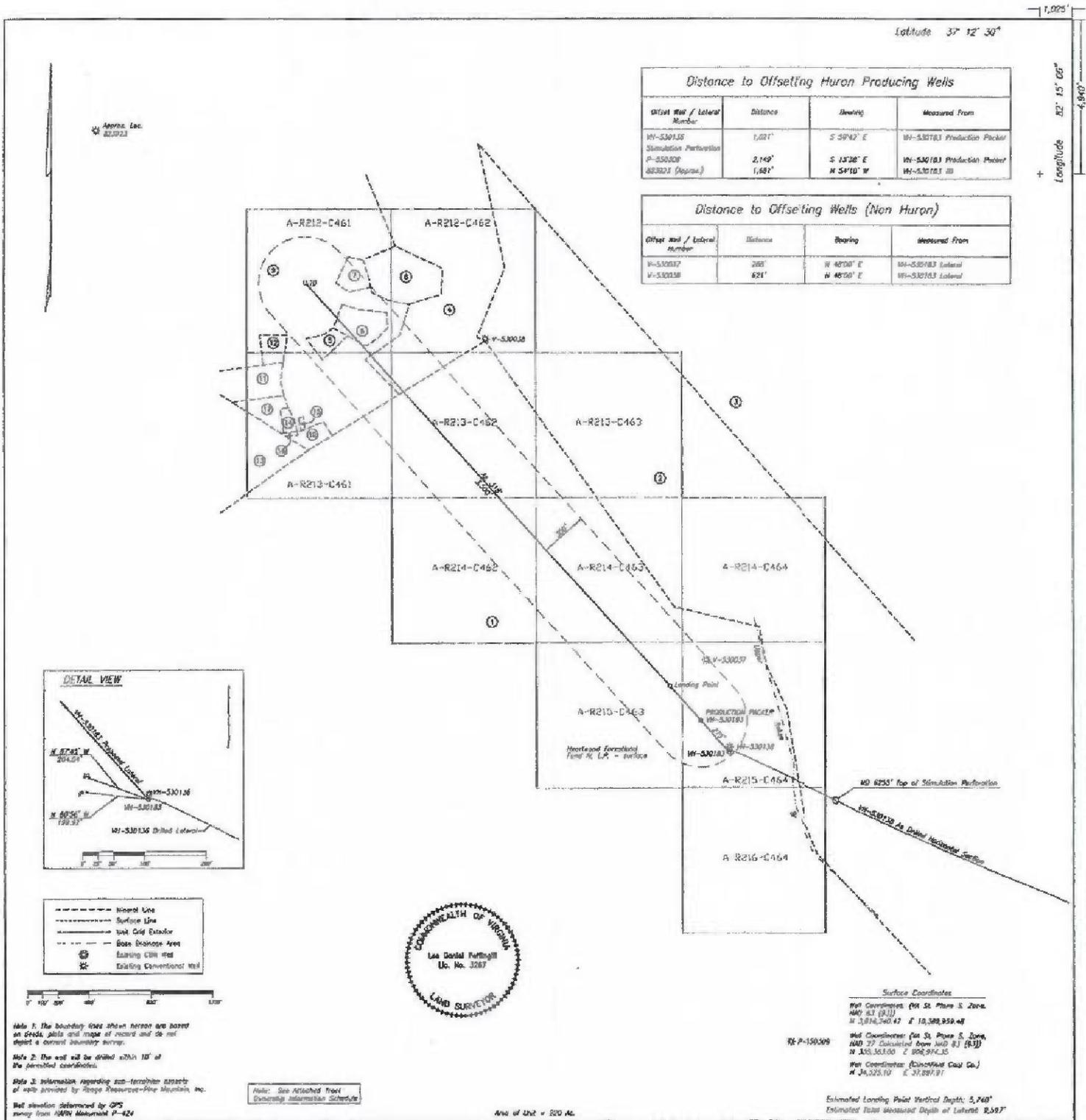
Acknowledged on this 30th day of September, 2014, personally before me a notary public in and for the Commonwealth of Virginia, appeared Bradley C. Lambert, being duly sworn did depose and say that he is the Chairman of the Virginia Gas and Oil Board and appeared Rick Cooper, being duly sworn did depose 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

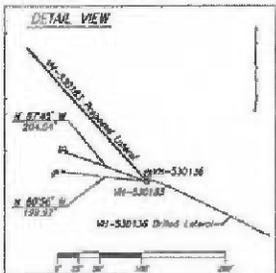
My Commission expires: July 31, 2017





Offset Well / Lateral Number	Distance	Bearing	Measured From
WI-530135 Stimulation Perforation	1,021'	S 59°42' E	WI-530183 Production Packer
P-550309 4833023 (Surface)	2,149'	S 13°26' E	WI-530183 Production Packer
	1,681'	N 54°10' W	WI-530183 20

Offset Well / Lateral Number	Distance	Bearing	Measured From
VI-530037	265'	N 48°06' E	WI-530183 Lateral
VI-530038	821'	N 48°06' E	WI-530183 Lateral



- Bound Line
- Surface Line
- Well Casing Extender
- Base Drainage Area
- ⊙ Existing Casing Head
- ⊙ Existing Conventional Well



Surface Coordinates
 Well Coordinates (WI St. Plane S. Zone, NAD 83 (9.1))
 N 3,816,340.47' E 10,388,958.48'
 Well Coordinates (WI St. Plane S. Zone, NAD 27 (Distorted from WGS 83) (8.3))
 N 3,815,303.00' E 10,388,914.35'
 Well Coordinates (Geographic Coal Co.)
 N 3,815,253.19' E 10,388,917.91'

Note 1: The boundary lines shown herein are based on deed, plat and map of record and do not reflect a current boundary survey.
 Note 2: The well will be drilled within 10' of the permitted coordinates.
 Note 3: Information regarding any formation strata of well provided by Stone Resources-Pike Mountain, Inc.
 Well elevation determined by GPS survey from USGS Benchmark P-424

WELL LOCATION PLAT (UNIT NAME: SWN-1_A-R215-C464_HR) DDD FILE NO.: 00-0080

COMPANY Stone Resources-Pike Mountain, Inc. WELL NAME AND NUMBER WI-530135
 TRACT NO. 1A, 2A, 3A, 4A, 5A, 6A, 7A, 8A, 9A, 10A, 11A, 12A, 13A, 14A, 15A, 16A, 17A, 18A, 19A, 20A QUADRANGLE None
 COUNTY Dickinson DISTRICT Specific SCALE See Bar Scale DATE 7-10-2014
 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.
 Lee Daniel Pettigall
 Licensed Professional Engineer or Licensed Land Surveyor

Exhibit A

VH-530183 PLAT
Unit SWVH-1_A-R215-C464_HR
TRACT OWNERSHIP INFORMATION SCHEDULE
3/19/2012

1. Henry Ownes
282.20 Acres
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Range Resources-Pine Mountain, Inc - oil & gas
Gas 116.79 Ac. 53.09%

2. Goolsby Counts
163.09 Acres
Heartwood Forestland Fund IV, L.P. - surface
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Range Resources-Pine Mountain, Inc - oil & gas
Gas 53.92 Ac. 24.51%

3. A. F. Deel
121.40 Acres
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Range Resources-Pine Mountain, Inc - oil & gas
Gas 0.91 Ac. 0.42%

4. Lease No. 450511805
Lorene S. Stanley - surface, oil & gas
20.73 Acre
T.K. Colley Trt.
106.42 Acres
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Gas 13.73 Ac. 6.24%

5. Unleased
Eric Lec & Jessica Owens - surface, oil & gas
1 Acre
T.K. Colley Trt.
106.42 Acres
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Gas 0.58 Ac. 0.26%

- 6 . Unleased
Phillip & Sandra Owens - surface, oil & gas
1 Acre
T.K. Colley Trt.
106.42 Acres
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Gas 1.39 Ac. 0.63%
- 7 . Unleased
Amanda Ann Boyd - surface, oil & gas
1 Acre
T.K. Colley Trt.
106.42 Acres
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Gas 0.77 Ac. 0.35%
- 8 . Unleased
Earl Boyd & Hilda Owens Boyd - surface, oil & gas
1 Acre
T.K. Colley Trt.
106.42 Acres
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Gas 3.14 Ac. 1.43%
- 9 . Lease No. 1219497 (450513404)
Vonda Hill Owens Shortridge - surface, oil & gas (1/2 int.)
Burlin & Sandra Owens - surface, oil & gas (1/2 int.)
45.72 Acres
T.K. Colley Trt.
106.42 Acres
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Gas 22.72 Ac. 10.33%
- 10 . Unleased
Vonda & Mike Shortridge - surface, oil & gas
0.942 Acre
T.K. Colley Trt.
106.42 Acres
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Gas 0.60 Ac. 0.27%

- 11 . Unleased
Burlin & Sandra Owens - surface, oil & gas
1 Acre
T.K. Colley Trt.
106.42 Acres
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Gas 1.12 Ac. 0.51%

- 12 . Unleased
Burlin & Sandra Owens - surface, oil & gas
1 Acre
T.K. Colley Trt.
106.42 Acres
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Gas 0.66 Ac. 0.30%

- 13 . R.J. Colley
440.10 Acres
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Range Resources-Pine Mountain, Inc - oil & gas
Gas 2.41 Ac. 1.10%

- 14 . Unleased
Savannah M. & Douglas M. O'Quinn - surface, oil & gas
0.267 Acre
T.K. Colley Trt.
106.42 Acres
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Gas 0.27 Ac. 0.12%

- 15 . Unleased
Savannah M. & Douglas M. O'Quinn - surface, oil & gas
0.051 Acre
T.K. Colley Trt.
106.42 Acres
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Gas 0.05 Ac. 0.02%

16. Unleased
Savannah M. & Douglas M. O'Quinn - surface, oil & gas
0.058 Acre
T.K. Colley Trt.
106.42 Acres
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Gas 0.05 Ac. 0.02%

17. Unleased
Katrina L. & Brandon Todd Bartley - surface, oil & gas
0.5 Acre
T.K. Colley Trt.
106.42 Acres
ACIN LLC - coal
Alpha Land & Reserves LLC - coal lessee
WBRD LLC - coal
Dickenson-Russell Coal Company LLC - coal lessee
Gas 0.89 Ac. 0.40%

Exhibit "B"
VH-530183

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
1	Range Resources - Pine Mountain, Inc. Attn: Jerry Grantham PO Box 2136 Abingdon, VA 24212 Tax Card ID -20510	Owner	53.09000000	116.79000000
2	Range Resources - Pine Mountain, Inc. Attn: Jerry Grantham PO Box 2136 Abingdon, VA 24212 Tax Card ID -20439	Owner	24.51000000	53.92000000
3	Range Resources - Pine Mountain, Inc. Attn: Jerry Grantham PO Box 2136 Abingdon, VA 24212 Tax Card ID -20439	Owner	0.42000000	0.91000000
4	Lorene S. Stanley P.O. Box 531 Haysi, VA 24266 Tax Card ID - 18328-10699	Leased	6.24000000	13.73000000
5	Eric Lee & Jessica Owens 644 Henry Harrison Dr Birchleaf, VA 24220 Tax Card ID - 8326	Unleased	0.26000000	0.58000000
6	Phillip & Sandra Owens 642 Henry Harrison Dr Birchleaf, VA 24220 Tax Card ID - 8325	Unleased	0.63000000	1.39000000
7	Amanda Ann Boyd PO Box 82 Birchleaf, VA 24220 Tax Card ID - 21096-856	Leased	0.35000000	0.77000000
8	Earl & Hilda Owens Boyd Box 82 Birchleaf, VA 24220 Tax Card ID - 872	Unleased	1.43000000	3.14000000
9	Vonda Hill Owens Shortridge (1/2 interest) 428 Henry Harrison Dr Birchleaf, VA 24220	Leased	5.16500000	11.36000000
	Burlin & Sandra Owens (1/2 interest) 137 Burlin Dr Birchleaf, VA 24220 Tax Card ID - 8162	Leased	5.16500000	11.36000000

	Tract 9 Totals		10.33000000	22.72000000
10	Vonda Hill Owens & Mike Shortridge 428 Henry Harrison Dr Birchleaf, VA 24220 Tax Card ID - 9962	Unleased	0.27000000	0.60000000
11	Burlin & Sandra Owens 137 Burlin Dr Birchleaf, VA 24220 Tax Card ID - 7652	Unleased	0.51000000	1.12000000
12	Burlin & Sandra Owens 137 Burlin Dr Birchleaf, VA 24220 Tax Card ID - 7670	Unleased	0.30000000	0.66000000
13	Range Resources - Pine Mountain, Inc. Attn: Jerry Grantham PO Box 2136 Abingdon, VA 24212 Tax Card ID -20438	Owner	1.10000000	2.41000000
14	Savannah & Douglas O'Quinn 774 Skyline Dr Birchleaf, VA 24220 Tax Card ID - 8444	Unleased	0.12000000	0.27000000
15	Savannah & Douglas O'Quinn 774 Skyline Dr Birchleaf, VA 24220 Tax Card ID - 17166	Unleased	0.02000000	0.05000000
16	Savannah & Douglas O'Quinn 774 Skyline Dr Birchleaf, VA 24220 Tax Card ID - 17165	Unleased	0.02000000	0.05000000
17	Katrina L & Brandon Todd Bartley 105 Burlin Dr Birchleaf, VA 24220 Tax Card ID - 17939	Unleased	0.40000000	0.89000000
	TOTAL GAS ESTATE		100.00000000	220.00000000
	Percentage of Unit Leased		96.04000000	
	Percentage of Unit Unleased		3.96000000	
	Acreage in Unit Leased		211.25000000	
	Acreage in Unit Unleased		8.75000000	

**Exhibit "B-3" - Unleased Owners
VH-530183**

Tract	Lessor	Lease Status	Interest Within Unit	Gross Acreage in Unit
Gas Estate Only				
5	Eric Lee & Jessica Owens 644 Henry Harrison Dr Birchleaf, VA 24220 Tax Card ID - 8326	Unleased	0.26000000	0.58000000
6	Phillip & Sandra Owens 642 Henry Harrison Dr Birchleaf, VA 24220 Tax Card ID - 8325	Unleased	0.63000000	1.39000000
8	Earl & Hilda Owens Boyd Box 82 Birchleaf, VA 24220 Tax Card ID - 872	Unleased	1.43000000	3.14000000
10	Vonda Hill Owens & Mike Shortridge 428 Henry Harrison Dr Birchleaf, VA 24220 Tax Card ID - 9962	Unleased	0.27000000	0.60000000
11	Burlin & Sandra Owens 137 Burlin Dr Birchleaf, VA 24220 Tax Card ID - 7652	Unleased	0.51000000	1.12000000
12	Burlin & Sandra Owens 137 Burlin Dr Birchleaf, VA 24220 Tax Card ID - 7670	Unleased	0.30000000	0.66000000
14	Savannah & Douglas O'Quinn 774 Skyline Dr Birchleaf, VA 24220 Tax Card ID - 8444	Unleased	0.12000000	0.27000000
15	Savannah & Douglas O'Quinn 774 Skyline Dr Birchleaf, VA 24220 Tax Card ID - 17166	Unleased	0.02000000	0.05000000
16	Savannah & Douglas O'Quinn 774 Skyline Dr Birchleaf, VA 24220	Unleased	0.02000000	0.05000000

Tax Card ID - 17165

17	Katrina L & Brandon Todd Bartley 105 Burlin Dr Birchleaf, VA 24220 Tax Card ID - 17939	Unleased	0.40000000	0.89000000
TOTAL GAS ESTATE			3.96000000	8.75000000

INSTRUMENT #140001188
RECORDED IN THE CLERK'S OFFICE OF
DICKENSON ON
OCTOBER 10, 2014 AT 11:00AM

RICHARD W. EDWARDS, CLERK
RECORDED BY: TLF