BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF COLORADO

IN THE MATTER OF AN AMENDED)	
APPLICATION BY 8 NORTH LLC FOR)	
AN ORDER ESTABLISHING A 2,720-ACRE)	
DRILLING AND SPACING UNIT FOR)	CAUSE NO. 407
SECTIONS 13, 14, 23, AND 24, TOWNSHIP 2)	
NORTH, RANGE 69 WEST, 6TH P.M. AND)	
SECTION 18, TOWNSHIP 2 NORTH, RANGE)	DOCKET NO. 171000695
68 WEST, 6TH P.M, FOR HORIZONTAL)	
WELL DEVELOPMENT OF THE)	
CODELL AND NIOBRARA FORMATIONS,)	TYPE: SPACING
WATTENBERG FIELD, BOULDER AND)	
WELD COUNTIES, COLORADO)	
IN THE MATTER OF AN APPLICATION)	
BY 8 NORTH LLC FOR AN ORDER)	
AUTHORIZING AN ADDITIONAL)	
THIRTY-ONE (31) HORIZONTAL WELLS,)	
FOR A TOTAL OF THIRTY-TWO (32))	
HORIZONTAL WELLS, FOR PRODUCTION)	CAUSE NO. 407
FROM THE CODELL AND NIOBRARA)	
FORMATIONS IN AN APPROXIMATE)	
2,720-ACRE DRILLING AND SPACING)	DOCKET NO. 171200774
UNIT PROPOSED FOR SECTIONS 13, 14, 23,)	
AND 24, TOWNSHIP 2 NORTH, RANGE 69)	
WEST, 6TH P.M. AND SECTION 18,)	TYPE: ADDITIONAL DENSITY
TOWNSHIP 2 NORTH, RANGE 68 WEST,)	
6TH P.M., WATTENBERG FIELD, BOULDER)	
AND WELD COUNTIES, COLORADO)	

BOULDER COUNTY'S PRE-HEARING STATEMENT

Pursuant to the Hearing Officer's Amended Case Management Order, Boulder County submits this Pre-Hearing Statement in the combined above-captioned matters.

1. BOULDER COUNTY'S CLAIMS AND DEFENSES.

a. The County is an Owner, as that term is defined by statute, of interests on, within and under the Application Lands. The County is also the Local Government with land use jurisdiction for the Application Lands and has elected to intervene as a matter of right on behalf of its citizens. In its capacity as regulator of land use, the County states: (i) that the public issues raised by the Application reasonably

relate to significant adverse impacts to the public health, safety and welfare of citizens, including environment and wildlife resources that are within the Commission's jurisdiction to remedy; (ii) that potential impacts are not adequately addressed by the Application; and (iii) that the potential impacts are not adequately addressed by the Rules and Regulations of the Commission. These impacts may adversely affect public health, safety and welfare, damage private and public mineral and surface rights, allow the drilling of unnecessary and uneconomic wells, damage important environmental and agricultural resources, create waste and damage correlative rights.

- b. The Application Lands include numerous, critical agricultural and ecological resources, including the following. Further information on these resources will be provided at the hearing.
 - i. Dry Creek runs through the Application Lands, which include areas of significant concern: floodplain and floodway risks, riparian and wildlife habitat.
 - ii. Wetlands in the Application Lands provide wildlife habitat and important water filtering and preserving functions.
 - iii. The Application Lands contain some of the County's most productive, arable, irrigated agricultural lands. These lands are under active production and entail the use of five existing center-pivot irrigation systems that cannot be disturbed.
 - iv. Numerous residences are located throughout the Application Lands.
 - v. Sunflower Farm, a public gathering place and early childhood educational center, is located in the Application Lands.
 - vi. The Application Lands contain geological features that affect the stability of the surface.
 - vii. County roads in the Application Lands will be impacted by oil and gas development.
- c. Four leases in the Application Lands to which the County is successor lessor, Boulder County Clerk and Recorder Reception Nos. 323938, 387761, 387762, 387763, can only be combined into units "not exceeding the minimum size tract on which a well may be drilled under laws, rules, or regulations in force at the time of such . . . unitization." The only relevant spacing order for Section 24, T2N, R69W in effect at this time is Commission Order 407-87, which establishes 80-acre units per well. Therefore, no unit can be established including these lands that is larger than 80 acres.
 - i. The County contacted 8 North to confirm that it is the successor lessee to these leases and to obtain its legal position on the meaning of the language therein.

- ii. In response, after more than a month, 8 North did not confirm whether it has assumed these leases. It stated only that it disagrees with the County's reading of the leases and generally that the County's concerns were "without merit." However, 8 North did not provide any substantive explanation of its position. Thus, the parties have a lease dispute that they are unable to resolve cooperatively.
- iii. While the Commission does not interpret the meaning or effect of oil and gas leases, it may choose to table this matter while a foundational lease issue is resolved. This is the prudent course because, as a result of 8 North's failure to enter a meaningful dialog, the County may need to resolve the issue of the propriety of the leases in court.
- d. On July 1, 2018, S.B. 18-230 is slated to go into effect, amending Section 34-60-116, C.R.S. with regard to spacing orders. Under the amendments, a spacing order will be allowed to authorize more than one well, which affects the legal arguments raised in the County's petition for intervention and protest. Nonetheless, 8 North's applications remain legally flawed.
 - i. S.B. 18-230 did not amend subsection (2) of the statute, which describes how a unit is to be determined. On evidence at a hearing, the Commission must determine "the existence of a pool and the appropriate acreage to be embraced within a drilling unit." § 34-60-116(2), C.R.S. However, the Commission cannot comply with § 34-60-116(2) by determining the existence of a pool because the hydrocarbons are tightly bound in the rock, as demonstrated by the prevalence of hydraulic fracturing to develop the subject formations; moreover, after the enactment of S.B. 18-230, the Commission cannot determine the appropriateness of a unit based on the area that can be drained by a single well. In light of the S.B. 18-230 amendment to subsection (3) authorizing an initial spacing order to allow for more than one well, and in light of the tightly bound nature of the hydrocarbons, the statute no longer provides any rational basis on which the Commission can determine the existence of a pool or the appropriate acreage to be embraced within a drilling unit. 8 North cannot present evidence to demonstrate why its proposed unit in Docket No. 171000694 is an appropriate drilling and spacing unit when there is no identifiable reservoir of hydrocarbons with defined limits. Instead, the proposed unit becomes an arbitrary designation that gives 8 North the extraordinary right to statutorily pool nonconsenting mineral owners in the area. Commission cannot comply with the statute under the circumstances and should not approve the proposed unit without a rational basis in fact.

- ii. 8 North's application in 171200774 still requests additional wells in the Application Lands, which is governed by the unamended Section 34-60-116(4), C.R.S. That section limits the authorization for additional wells in established units to the prevention of waste and unnecessary wells or to protect correlative rights. None of those matters can properly be determined for a given unit without evidence based on existing production on the newly-established unit.
- e. In making its determination on the subject applications, the Commission must apply the standards set forth in *Martinez et a. v. Colorado Oil and Gas Conservation Commission*, 2017 COA 37 (March 23, 2017), *cert. pending*. In particular, the Commission must determine that, allowing for the establishment of a spacing unit of the proposed size in the proposed location will not be detrimental to public health and safety or the environment and wildlife.

2. WITNESS LIST.

Boulder County may call the following witnesses.

- a. Kimberly Sanchez, Senior Chief Planner and Local Government Designee, Boulder County Land Use Department. Ms. Sanchez will testify to the potential adverse impacts of intensive oil and gas development in the Application Lands. Anticipated time of direct testimony: 20 minutes.
- b. Janis Whisman, Real Estate Division Manager, Boulder County Parks and Open Space Department. Ms. Whisman will testify to the County's surface and mineral ownership and the public funds program with which it was purchased. Anticipated time of direct testimony: 15 minutes.
- c. Patrick Murphy, Oil and Gas Specialist, Boulder County Public Health. Mr. Murphy will testify to the air quality impacts of oil and gas facilities in Boulder and Weld counties. Anticipated time of direct testimony: 10 minutes.
- d. Dave Hoerath, Wildlife Biologist, Boulder County Parks and Open Space Department. Mr. Hoerath will testify to the wildlife resources in the Application Lands. Anticipated time of direct testimony: 5 minutes.
- e. Nathan Teich, Plant Ecologist, Boulder County Parks and Open Space Department. Mr. Teich will testify to the vegetation resources in the Application Lands. Anticipated time of direct testimony: 5 minutes.
- f. Rob Alexander, Senior Resource Specialist, Boulder County Parks and Open Space Department. Mr. Alexander will testify to the agricultural resources in the Application Lands. Anticipated time of direct testimony: 5 minutes.
- g. All other witnesses required for rebuttal.

3. EXHIBIT LIST.

The following exhibits, together with all other exhibits required for rebuttal are filed concurrently with this Pre-Hearing Statement. The County proposes to project some or all of these exhibits electronically at the hearing.

- A. Map—Overview of Eastern Boulder County
- B. Map—County Surface Ownership in the Application Lands
- C. Map—County Mineral Ownership in the Application Lands
- D. Map—Agricultural Resources in the Application Lands
- E. Map—Water resources in the Application Lands
- F. Map—Habitations in the Application Lands
- G. Map—Floodplain and floodway features in the Application Lands
- H. Map—Geological Features in the Application Lands
- I. Boulder County Resolution 2016-77
- J. Boulder County Voluntary Inspection Program Results Excerpts
- K. Oil and Gas Leases
- L. § 34-60-116, C.R.S.
- M. S.B. 18-230
- N. Photo—center pivot irrigation on Pace Open Space
- O. Chart Defining Agricultural Lands of Importance

4. OPEN LEGAL ISSUES.

Other than those issues listed in Section 1 above to be determined at the hearing, the County is not aware of other open legal issues.

5. RELIEF REQUESTED.

Boulder County requests the following relief:

- 1. The spacing application in Docket No. 171000695 should be denied because:
 - a. Insufficient evidence exists to demonstrate the existence of a pool and the necessity of a 2,720-acre unit for development;

- b. The surface resources in the Application Lands are subject to adverse impact to public health and safety and to the environment and wildlife resources that are not addressed by the application.
- 2. The additional wells application in Docket No. 171200774 should be denied because:
 - a. There is no evidence of production in the proposed unit on which the commission can determine the need for 31 additional (or 32 total) wells;
 - b. The intensity of development entailed in the application poses potential severe adverse impacts to public health and safety and to the environment and wildlife resources that are not addressed by the application.
- 3. In the alternative, the spacing application, Docket No. 171000695, should be tabled until the parties can resolve the lease dispute regarding unitization limits and the associated additional wells application should be tabled pending establishment of a unit.
- 4. Also in the alternative, if the Commission finds that the proposed drilling and spacing unit and additional wells are appropriate on the basis of evidence presented, it should limit surface drilling locations to 8 North's proposed site in the S1/2 SW1/4 of Section 18, Township 2N, Range 68W, as a condition of approval.

6. ESTIMATED TIME REQUIRED.

Boulder County estimates that it needs 90 minutes for opening and closing statements and presentation of direct and rebuttal evidence.

Dated this 21st day of June 2018.

Respectfully submitted,

BOULDER COUNTY ATTORNEY'S OFFICE

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Senior Assistant County Attorney

buke

David Hughes, #24425

Deputy County Attorney

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ATTORNEYS FOR INTERVENOR BOULDER COUNTY

CERTIFICATE OF SERVICE

I hereby certify that on this 21st day of June 2018, a true and correct copy of **BOULDER COUNTY'S PRE-HEARING STATEMENT** has been filed with the COGCC and served electronically to the following entities that require notice of such filing:

James P. Rouse
Hearing Officer
Oil and Gas Conservation Commission
1120 Lincoln Street, Ste. 801
Denver, CO 80203
james.rouse@state.co.us

Jillian Fulcher
Jobediah J. Rittenhouse
James Parrot
Beatty & Wozniak, P.C.
jfulcher@bwenergylaw.com
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Jamie Jost Kelsey Wasylenky Jost Energy Law, P.C. <u>jjost@jostenergylaw.com</u> <u>kwasylenky@jostenergylaw.com</u>

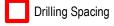
Dan Kramer
Assistant City Attorney
City of Longmont
dan.kramer@longmontcolorado.gov

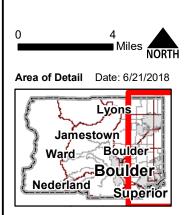
Cathy Peterson Legal Assistant

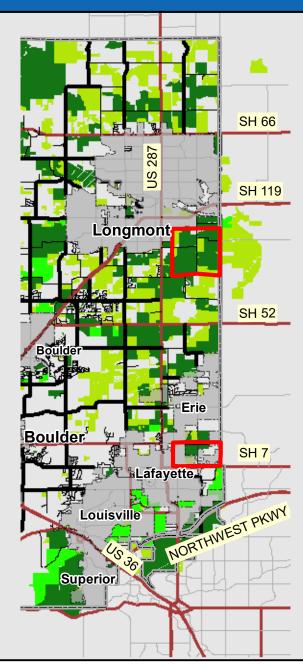


8 North LLC Drilling Spacing Units

Legend

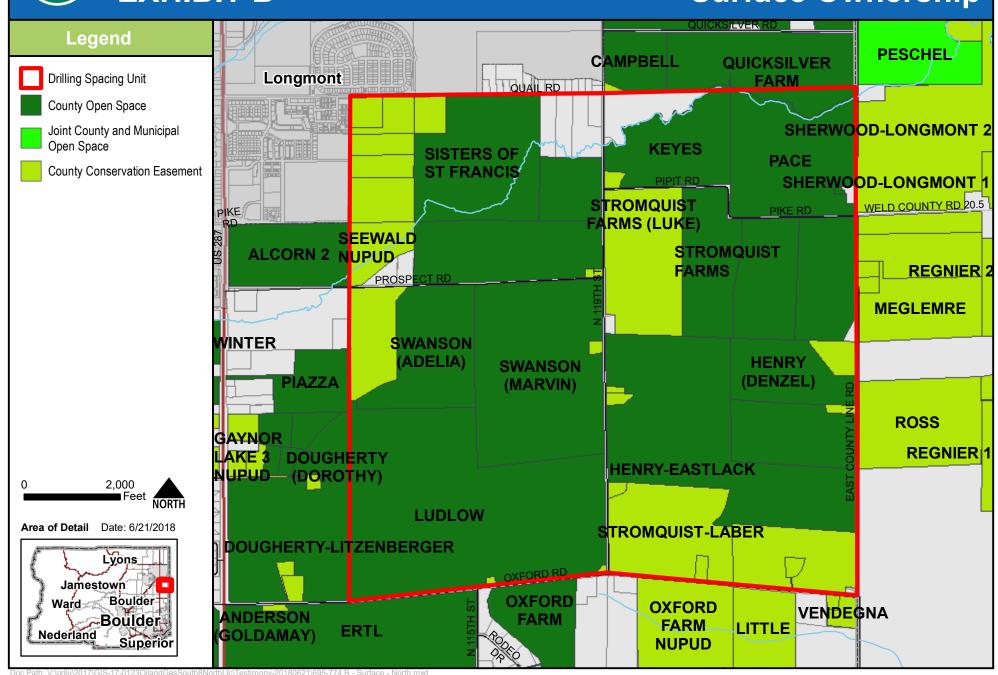






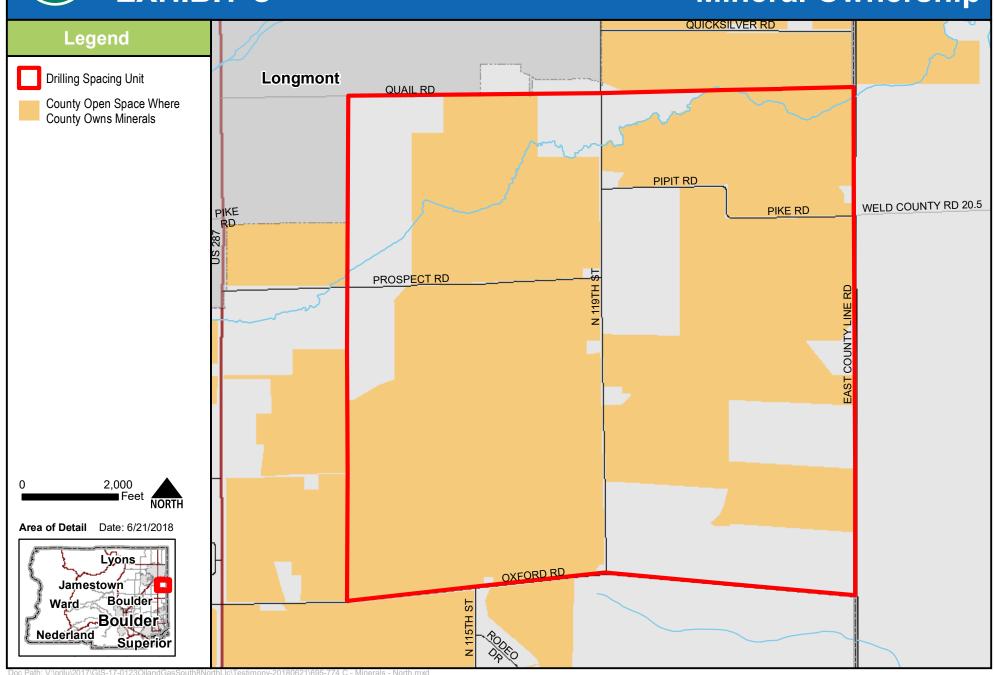


Boulder County Open Space Surface Ownership



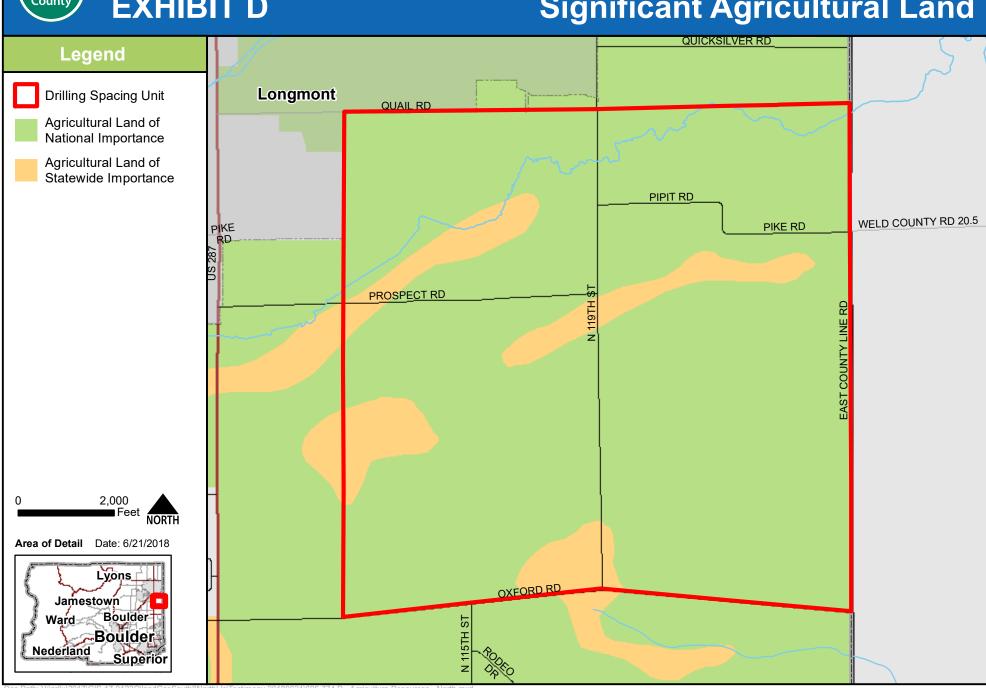


Boulder County Open Space Mineral Ownership





Docket Nos. 171000695 and 171200774 Boulder County Comprehensive Plan EXHIBIT D Significant Agricultural Land

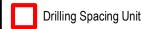




Docket Nos. 171000695 and 171200774

Boulder County EXHIBIT E Water Resources, Wetlands and Riparian Areas

Legend



BCCP Riparian Areas

BCCP Wetlands

Perennial Stream

Intermittent Stream

Slough

Main Ditch

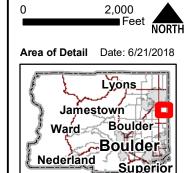
Lateral Ditch

Field Lateral

Aqueduct - Underground

Tailwater Ditch

Drain Tile







Docket Nos. 171000695 and 171200774

EXHIBIT F

Boulder CountyHabitations

Legend

Drilling Spacing Unit

Residential Parcels

Sunflower Farm (Public Farm, Preschool, Farm Program and Camps)

Subdivision

Subdivison Outlot

Housing Units 25 Population Estimate 60

Unincorporated 2,498 ac. 100.0%

County Owned

Open Space 1,799 ac. 72.3%

County

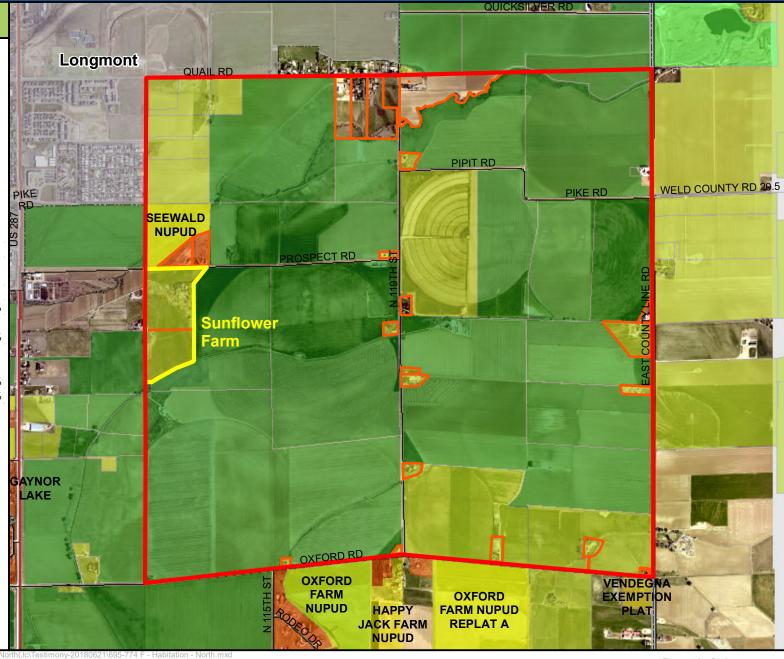
Conservation

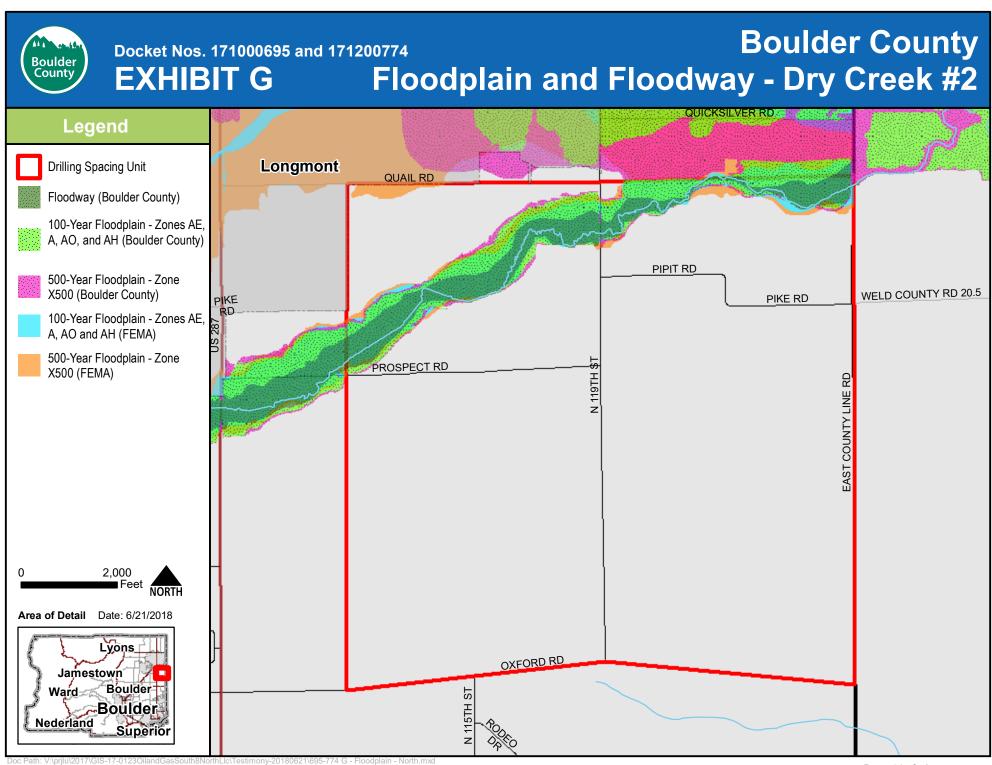
Easement 487 ac. 19.6% Private Land 202 ac. 8.1%

0 2,000 Feet NORTH

Area of Detail Date: 6/21/2018

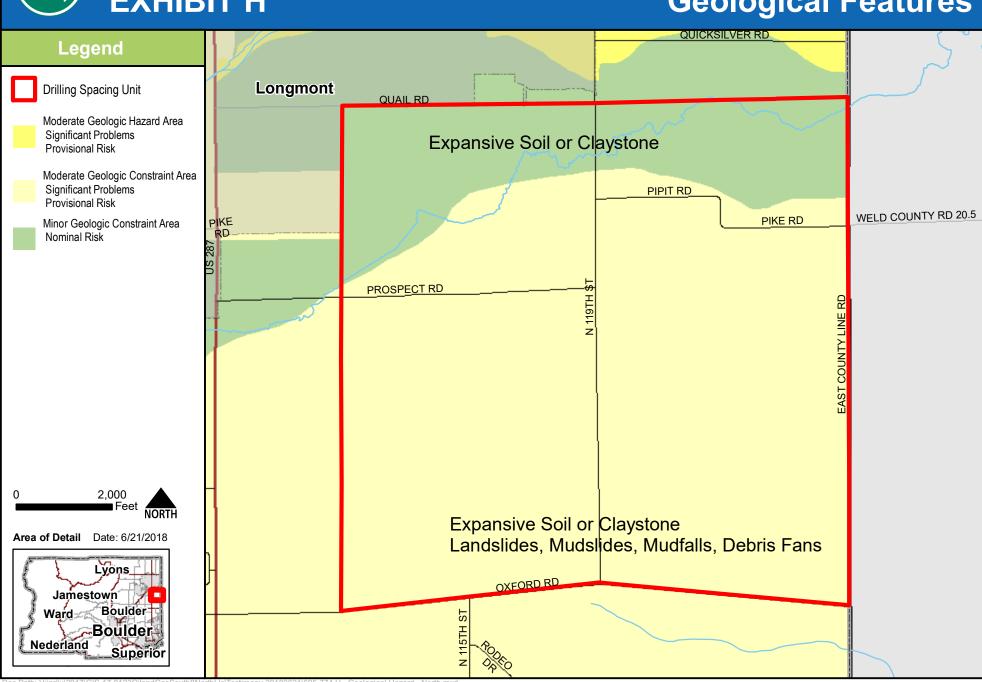








Docket Nos. 171000695 and 171200774 Boulder County Comprehensive Plan EXHIBIT H Geological Features



RESOLUTION 2016-77

A Resolution of the Board of County Commissioners of Boulder County describing a proposal to extend one-half (0.125%) of the existing 0.25% countywide open space sales and use tax for the purpose of continuing to fund the open space program; for the issuance of open space capital improvement trust fund bonds through a multiple-fiscal year commitment of revenues from such tax and from other open space sales and use tax revenues, general fund moneys and other legally available funds; a voter-approved revenue change; and providing other matters relating thereto.

Recitals:

- A. Article 2, Title 29, Colorado Revised Statutes, as amended (hereinafter the "Article"), provides for the imposition of a countywide sales and use tax upon approval of a majority of the registered electors of Boulder County, Colorado (the "County") voting on such question.
- B. There is a continuing need in the County for preservation of open space land, including acquisition of key remaining properties and conservation easements and the continued management and maintenance of existing open space areas.
- C. Due to the accomplishments of the open space program in the years since its inception, the Board of County Commissioners (the "Board") finds that the County's remaining open space acquisition and conservation goals and the ongoing management and maintenance of open space lands may be achieved through continued funding from the extension of one-half (0.125%) of the existing 0.25% countywide open space sales and use tax.
- D. On November 2, 1993, the voters of the County approved a 0.25% countywide sales and use tax and issuance of revenue bonds for the acquisition, improvement, management and maintenance of open space lands and other open space property interests, as described in Resolution 93-174.
- E. On November 2, 1999, the voters of the County approved a proposal for the extension of the 0.25% countywide open space sales and use tax for an additional period of ten (10) years to and including December 31, 2019, and issuance of additional open space sales and use tax revenue bonds, as described in Resolution 99-111.
- F. The Board now desires to refer the extension of one-half of the 0.25% countywide sales and use tax at a rate of 0.125% for an additional period of fifteen (15) years to be effective through December 31, 2034, and authorization for issuance of bonds payable from the revenues thereof, to the registered electors of the County, to be determined by a majority voting thereon.

- G. The goals of the County open space program, as originally stated in Resolution 93-174, and as modified over time, have not as yet been fully realized, in that there are lands and areas for which property interests should be acquired in order to create trails and open space buffers for communities, protect wildlife habitat and preserve important agricultural lands; and these lands need to be managed and in some cases, restored.
- H. As such, there remains a critical need for the preservation and stewardship of open space lands in the County, preserved open space being a fundamental shared value of the citizens of the County, which open space lands can be used for purposes including but not limited to buffers to preserve community identity, natural areas, wildlife habitat and wetlands, allow continuation of existing visual corridors and offer passive recreational use through the development of a recreational trail system, and therefore there is critical need for countywide sales and use taxes to finance the acquisition and limited improvement of said lands.
- I. It is more cost-effective to purchase lands and complete improvements now rather than wait until additional revenues are realized from currently approved sources, since the price inflation of land costs is several times greater than the financing costs through tax-exempt bonds.
- J. Proposing to extend the 0.25% countywide sales and use tax at a rate of 0.125% for a period of fifteen (15) additional years from its current expiration to be effective through December 31, 2034, with future revenues to be expended for open space acquisition and improvement, for repayment of capital improvement trust fund bonds, and for maintenance and management of open space lands, in accordance with the purposes set forth herein, is a cost-effective method of obtaining additional revenues without an increase in the total cumulative countywide sales and use tax rate.
- K. If such extension is approved by the voters, revenues collected from the imposition of the existing 0.25% countywide sales and use tax up to and including December 31, 2019 would continue to be expended for the purposes and in accordance with the limitations of Resolution No. 99-111, and Resolution 99-111 would be superseded by this Resolution effective for revenues collected from the imposition of the extended 0.125% countywide sales and use tax on and after January 1, 2020.
- L. Due to the immediacy of the need, open space capital improvement trust fund bonds as authorized by law in a maximum principal amount of \$30,000,000, net of any premium, should be issued in order to allow such acquisitions and improvements to take place as soon as possible, said revenue bonds to be repaid through a multiple-fiscal year commitment of revenues received from such extension of 0.125% countywide sales and use tax, and, to the extent moneys from such tax are insufficient or unavailable, moneys transferred to the Boulder County Open Space Capital Improvement Trust Fund from other open space sales and use tax moneys, the County's general fund and conservation trust fund, and other legally available funds.

- M. The Board finds that the extension of one-half (0.125%) of the 0.25% countywide sales and use tax for a period of fifteen (15) additional years to be effective through December 31, 2034, with revenues to be expended for the open space program in accordance with the purposes set forth herein, and the issuance of \$30,000,000 in open space capital improvement trust fund bonds repaid through a multiple-fiscal year commitment of revenues received from such 0.125% countywide sales and use tax, and, to the extent moneys from such tax are insufficient or unavailable, moneys transferred to the Boulder County Open Space Capital Improvement Trust Fund from other open space sales and use tax moneys, the County's general fund and conservation trust fund, and other legally available funds, and the exemption of such tax revenues, bond proceeds and the interest thereon from the fiscal year spending limitations of article X, section 20 of the Colorado Constitution ("TABOR"), would permit additional revenues to be utilized to further accomplish the County's open space goals.
- N. The County, with voter approval, is statutorily authorized to issue bonds to finance open space acquisitions and improvements, and to repay those bonds from any revenue source available to the County.
- O. The Board desires to refer to the registered electors of the County to be determined by a majority voting thereon, the question of whether such tax extension, bonds and voter-approved revenue change shall be approved or disapproved.
- P. The Article provides for the submission of such a sales and use tax proposal and multiple-fiscal year obligation authorization to the registered electors of the County at a general election scheduled within 120 days after adoption of such resolution.
- Q. The Article provides that the County Clerk and Recorder shall publish the text of such tax proposal four separate times, a week apart, in the official newspaper of the County and of each city and incorporated town within the County.
- R. Colo. Const., Art. X, Section 20(3)(b), requires certain election notices to be mailed to all registered voters of the County.
- S. The Article provides that the proposal shall contain certain provisions concerning the amount, levying and scope of said tax.
- T. It is the intent of the Board that, should the proposal to extend the existing countywide sales and use tax at a rate of 0.125% and obtain a voter-approved revenue change for such tax not be approved by the electorate in November, the existing tax, multiple fiscal year revenue commitment authorization, and existing voter-approved revenue change, shall not in any way be affected by such failed amendment and shall continue in force and effect as if this Resolution had not been adopted.

Therefore, the Board resolves:

There shall be referred to the registered electors of the County at the general election to be held on Tuesday, November 8, 2016, the following proposal:

- 1. (a) The imposition, by the extension of one-half of a countywide 0.25% (25 hundredths of one percent) sales and use tax, of a countywide 0.125% (12.5 hundredths of one percent) sales and use tax, in accordance with the provisions of the Article upon the sale at retail of tangible personal property and the furnishing of certain services in the County as provided in paragraph (d) of Subsection (1) of Section 29-2-105, Colorado Revised Statutes ("C.R.S."), as amended, and as is more fully hereinafter set forth.
- (b) The amount subject to tax shall not include the amount of any sales or use tax imposed by Article 26 of Title 39, C.R.S., as amended.
- (c) The gross receipts from sales shall include delivery charges when such charges are subject to the State Sales and Use Tax imposed by Article 26 of Title 39, C.R.S., as amended, regardless of the place to which delivery is made.
- (d) The countywide sales tax proposed to be extended hereby shall not apply to the sale of construction and building materials, as the term is used in Section 29-2-109, C.R.S., as amended, if such materials are picked up by the purchaser and if the purchaser of such materials presents to the retailer a building permit or other documentation acceptable to the County evidencing that a local use tax has been paid or is required to be paid.
- (e) The countywide sales and use tax extension proposed hereby shall not apply to the sale of food purchased with food stamps. For the purposes of this paragraph, "food" shall have the meaning as provided in 7 U.S.C., Section 2012(g), as amended.
- (f) The countywide sales and use tax extension proposed hereby shall not apply to the sale of food purchased with funds provided by the special supplemental food program for women, infants, and children, 42 U.S.C., Section 1786. For the purposes of this paragraph, "food" shall have the meaning as provided in 42 U.S.C., Section 1786, as amended.
- (g) The countywide sales tax extension proposed hereby shall not apply to the sale of tangible personal property at retail or the furnishing of services if the transaction was previously subjected to a sales or use tax lawfully imposed on the purchaser or user by another statutory or home rule county equal to or in excess of that sought to be imposed by the County. A credit shall be granted against the sales tax imposed by the County with respect to such transaction equal in amount to the lawfully imposed local sales or use tax previously paid by the purchaser or user to the previous statutory or home rule county. The amount of the credit shall not exceed the sales tax imposed by the County.

- (h) Notwithstanding any other provision contained herein, the value of construction and building materials on which a use tax has previously been collected by an incorporated town, city, or county shall be exempt from the town, city or county sales tax if the materials are delivered by the retailer or his agent to a site within the limits of such town, city or county.
- (i) The sale of tangible personal property and services taxable pursuant this proposal shall be the same as the sale of tangible personal property and services taxable pursuant to Section 39-26-104, C.R.S., except as otherwise provided herein. There shall be exempt from taxation under the provisions of this proposed countywide sales and use tax extension, the tangible personal property and services which are exempt under the provisions specified in Part 7 of Article 26 of Title 39, C.R.S., as amended, except that only those local exemptions identified in Section 29-2-105(d)(I), C.R.S., listed below in (1) through (4), and when legally recognized, the local exemptions listed below in (5) through (7) shall apply to this County sales and use tax. The following exemptions are consistent with exemptions contained in various existing Boulder County sales and use tax resolutions:
 - (1) For sales of machinery or machine tools specified in Section 39-26-709(1), C.R.S.
 - (2) For sales of food, as defined in Section 39-26-102(4.5), C.R.S., specified in Section 39-26-707(1)(e), C.R.S.
 - (3) For sales of components used in the production of energy, including but not limited to alternating current electricity, from a renewable energy source, specified in Section 39-26-724, C.R.S.;
 - (4) For sales of electricity, coal, wood, gas, fuel oil, or coke specified in Section 39-26-715(1)(a)(II), C.R.S.
 - (5) For sales of wood from salvaged trees killed or infested in Colorado by mountain pine beetles or spruce beetles as specified in Section 39-26-723, C.R.S.
 - (6) For sales that benefit a Colorado school specified in Section 39-26-725, C.R.S.
 - (7) For sales by an association or organization of parents and teachers of public school students that is a charitable organization as specified in Section 39-26-718(1)(c), C.R.S.

- (j) All sales of tangible personal property on which a specific ownership tax has been paid or is payable shall be exempt from this sales tax extension when such sales meet both of the following conditions:
 - (i) The purchaser is a non-resident of or has his principal place of business outside of the County; and
 - (ii) Such tangible personal property is registered or required to be registered outside the limits of the County under the laws of the State of Colorado.
- (k) For the purposes of this sales tax extension proposal, all retail sales are consummated at the place of business of the retailer, unless the tangible personal property sold is delivered by the retailer or his agent to a destination outside the limits of the County or to a common carrier for delivery to a destination outside the limits of the County.
- (l) In the event a retailer has no permanent place of business in the County or has more than one place of business, the place or places at which the retail sales are consummated for the purpose of a sales tax imposed by this proposal shall be determined by the provisions of article 26 of title 39, C.R.S., as amended, and by rules and regulations promulgated by the Colorado Department of Revenue.
- (m) The countywide sales tax extension proposed hereby shall be collected, administered and enforced by the Executive Director of the Colorado Department of Revenue in the same manner as the collection, administration, and enforcement of the Colorado State Sales Tax, as provided by articles 26 and 21 of title 39 and article 2 of title 29, C.R.S., as amended; provided that the County shall be authorized to enter into an intergovernmental agreement with said Executive Director pursuant to Section 39-26-122.5, C.R.S., as amended, to enhance systemic efficiencies in the collection of such taxes.
- 2. The imposition, by the extension of one-half of a countywide 0.25% (25 hundredths of one percent) sales and use tax, of a countywide 0.125% (12.5 hundredths of one percent) sales and use tax is hereby extended and imposed in accordance with the provisions of the Article for the privilege of using or consuming in the County any construction and building materials, purchased at retail, and for storing, using, or consuming in the County any motor and other vehicles on which registration is required, purchased at retail. Subject to the provisions of Section 39-26-212, C.R.S., as amended, the use tax shall not extend or apply:
 - (a) To the storage, use, or consumption of any tangible personal property, the sale of which is subject to a retail sales tax imposed by the County;
 - (b) To the storage, use, or consumption of any tangible personal property purchased for resale in the County either in its original form or as an

ingredient of a manufactured or compounded product, in the regular course of a business;

- (c) To the storage, use, or consumption of tangible personal property brought into the County by a non-resident thereof for his own storage, use, or consumption while temporarily within the County; however, this exemption does not apply to the storage, use, or consumption of tangible personal property brought into this State by a non-resident to be used in the conduct of a business in this State;
- (d) To the storage, use, or consumption of tangible personal property by the United States government or the State of Colorado, or its institutions, or its political subdivisions in their governmental capacities only, or by religious or charitable corporations in the conduct of their regular religious or charitable functions;
- (e) To the storage, use, or consumption of tangible personal property by a person engaged in the business of manufacturing or compounding for sale, profit, or use any article, substance or commodity, which tangible personal property enters into the processing of or becomes an ingredient or component part of the product or service which is manufactured, compounded or furnished and the container, label, or the furnished shipping case thereof;
- (f) To the storage, use, or consumption of any article of tangible personal property the sale or use of which has already been subjected to a legally imposed sales or use tax of another statutory or home rule county equal to or in excess of that imposed by the County. A credit shall be granted against the use tax imposed by the County with respect to a person's storage, use, or consumption in the County of tangible personal property purchased in another statutory or home rule county. The amount of the credit shall be equal to the tax paid by the person by reason of the imposition of a sales or use tax of the other statutory or home rule county on the purchase or use of the property. The amount of the credit shall not exceed the tax imposed by this resolution;
- (g) To the storage, use, or consumption of tangible personal property and household effects acquired outside of the County and brought into it by a nonresident acquiring residency;
- (h) To the storage or use of a motor vehicle of the owner is or was, at the time of purchase, a nonresident of the County and purchased the vehicle outside of the County for use outside of the County and actually so used it for a substantial and primary purpose for which it was acquired and registered, titled, and licensed said motor vehicle outside of the County;
- (i) To the storage, use or consumption of any construction and building materials and motor and other vehicles on which registration is required

if a written contract for the purchase thereof was entered into prior to January 1, 2020;

- (j) To the storage, use or consumption of any construction and building materials required or made necessary in the performance of any construction contract bid, let, or entered into any time prior to January 1, 2020.
- 3. The 0.125% use tax provided for herein shall be applicable to every motor vehicle for which registration is required by the laws of the State of Colorado, and no registration shall be made for any motor vehicle by the Department of Revenue or its authorized agents until any tax due upon the use, storage, or consumption thereof pursuant to this resolution has been paid.
- 4. The definition of words herein contained shall be as said words are defined in Section 39-26-102, C.R.S., as amended, and said definitions are incorporated herein.
- 5. Except as provided by Section 39-26-208, C.R.S., as amended, any use tax imposed shall be collected, enforced and administered by the County. The use tax on construction and building materials will be collected by the County building inspector or as may be otherwise provided by intergovernmental agreement, based upon an estimate of building and construction materials costs submitted by the owner or contractor at the time a building permit application is made.
- 6. If the majority of the registered electors voting thereon vote for approval of this countywide sales and use tax extension, such 0.125% countywide sales and use tax will continue to be in effect throughout the incorporated and unincorporated portions of the County up to and including December 31, 2034.
- 7. If such extension is approved by the voters, revenues collected from the imposition of the existing 0.25% countywide sales and use tax up to and including December 31, 2019 would continue to be expended for the purposes and in accordance with the limitations of Resolution No. 99-111, and Resolution 99-111 would be superseded by this Resolution effective for revenues collected from the imposition of the extended 0.125% countywide sales and use tax on and after January 1, 2020.
- 8. If the majority of the registered electors voting thereon vote for approval of this proposal, the Board may issue up to \$30,000,000 maximum principal amount, net of any premium, of open space capital improvement trust fund bonds payable from moneys transferred to the Boulder County Open Space Capital Improvement Trust Fund from moneys from the countywide 0.125% sales and use tax extension authorized herein, and to the extent moneys from such tax are insufficient or unavailable for the repayment of such bonds, from the County's other open space sales and use tax moneys, the County's conservation trust fund, the County's general fund, and other legally available funds, in such amount as is necessary to pay the debt service on the bonds and to otherwise comply with the covenants of the resolution or resolutions to be adopted by the

Board authorizing the bonds and setting the terms thereof, such bonds to be issued in accordance with part 5 of article 26 of title 30, C.R.S., as amended.

- 9. The cost of the election shall be paid from the general fund of the County.
- 10. The County Clerk and Recorder shall publish the text of this sales and use tax extension proposal four separate times, a week apart, in the official newspaper of the County and each city and incorporated town within this County.
- 11. The conduct of the election shall conform so far as is practicable to the general election laws of the State of Colorado.
- 12. Beginning January 1, 2020, the net proceeds from the extension of the 0.125% countywide sales and use tax received by the County from collections during the period authorized hereby shall be expended by the County for the following purposes related to acquisition, improvement, management and maintenance of open space lands:
 - (a) To acquire fee title interest in real property through all means available and by various types of instruments and transactions, in the County for open space when determined by the Board, acting pursuant to authority as set forth in title 30, C.R.S., and in article 7 of title 29, C.R.S., to be necessary to preserve such areas;
 - (b) To acquire an interest in real property by other devices, including but not limited to, lease, development rights, mineral and other subsurface rights, and conservation easements, in order to effect the preservation of open space lands, as hereinafter defined, in the County;
 - (c) To acquire water rights and water storage rights for use in connection with real property acquired for open space;
 - (d) To acquire rights-of-way and easements for access to open space lands and for trails in the County and to build and improve such access ways and trails;
 - (e) To acquire options related to these acquisitions;
 - (f) To pay for all related costs of acquisition and construction as set forth in subparagraphs (a) through (e) above;
 - (g) To improve all County open space property and trails in accordance with Parks and Open Space policies adopted by the Board; improvements shall be related to resource management, including but not limited to water improvements (irrigation, domestic use and recreational uses), preservation enhancements (fences, wetlands and wildlife habitat improvements),

and passive recreational uses, such as trails, trailhead parking and other access improvements, picnic facilities and restrooms;

- (h) To manage, patrol and maintain all County open space property and trails in accordance with Parks and Open Space policies adopted by the Board;
- (i) To permit the use of these funds for the joint acquisition of open space property with municipalities located within the County in accordance with an intergovernmental agreement for open space or with other governmental entities or land trusts;

In connection with these purposes, these funds shall be used for:

- major remaining open lands, including an emphasis on areas surrounding or within existing mountain open space parks;
- highly visible buffer lands surrounding cities and towns outside their urban growth areas;
- wildlife habitat lands and remaining parcels along stream corridors;
- lands that include trail corridors connecting communities to open space properties;
- agricultural lands and improvements that enhance local food production;
- efficient use of water resources for open space lands; and
- improvements to such lands.
- 13. Open space land, for the purpose of this resolution, is generally described as: those lands in which it has been determined by the Board that it is, or may in the future be, within the public interest to acquire an interest in order to assure their protection and to fulfill one or more of the functions described below. Interests acquired may include fee simple, lease, easements, development rights, and conservation easements.
 - 14. Open space shall serve one or more of the following functions:
 - (a) urban shaping between or around municipalities or community service areas and buffer zones between residential and non-residential development;
 - (b) preservation of critical ecosystems, natural areas, scenic vistas and areas, fish and wildlife habitat, natural resources and landmarks, and cultural, historical and archeological areas;

- (c) linkages and trails, access to public lakes, streams and other usable open space lands, stream corridors and scenic corridors along existing highways;
- (d) areas of environmental preservation, designated as areas of concern, generally in multiple ownership, where several different preservation methods (including other governmental bodies' participation or private ownership) may need to be utilized;
- (e) conservation of natural resources, including but not limited to forest lands, range lands, agricultural land, aquifer recharge areas, and surface water;
- (f) preservation of land for outdoor recreation areas limited to passive recreational use, including but not limited to hiking, photography or nature studies, and, if specifically designated, bicycling, horseback riding, or fishing.
- 15. Once acquired, open space may be used only for passive recreational purposes, for agricultural purposes, or for environmental preservation purposes, all as set forth above.
- 16. The Board will annually consult the City Councils and Town Boards of the municipalities within the County to assure that open space preservation and trail projects identified by municipalities are considered in setting county open space acquisition and trail development priorities for the following calendar year.
- No open space land acquired through the revenues provided by this sales and use tax may be sold, leased, traded, or otherwise conveyed, nor may any exclusive license or permit on such open space land be given, until approval of such disposal by the Board. Prior to such disposal, the Parks and Open Space Advisory Committee shall review the proposed disposition, and a recommendation shall be forwarded to the Board. Approval of the disposal may be given only by a majority vote of the members of the Board after a public hearing held with notice published at least ten (10) days in advance in the official newspaper of the County and of each city and incorporated town within the County, giving the location of the land in question and the intended disposal thereof. No such open space land shall be disposed of until sixty (60) days following the date of Board's approval of such disposal. If, within such sixty (60) day period, a petition meeting the requirements of § 29-2-104, C.R.S., as amended, or its successor statute, is filed with the County Clerk, requesting that such disposal be submitted to a vote of the electors, such disposal shall not become effective until a referendum held in accordance with said statute has been held. The provisions of this paragraph shall not apply to agricultural leases for crop or grazing purposes for a term of ten (10) years or less.
- 18. If the real property or any interest therein acquired by use of proceeds of said sales and use tax pursuant to paragraph 14 of this resolution be ever sold, exchanged, transferred or otherwise disposed of, the consideration for such sale, exchange, transfer or disposition shall be subject to the same expenditure and use restrictions as those set forth herein for the original proceeds of said sales and use tax, including restrictions set forth in

this paragraph; and if such consideration is by its nature incapable of being subject to the restrictions set forth herein, then the proposed sale, exchange, transfer or disposition shall be unlawful and shall not be made.

- 19. The County will not use any of the revenues received from the sales and use tax proposed hereby to acquire an interest, other than an option, in open space land within the community service or influence area of a municipality as designated and recognized by action of the Board in accordance with the Boulder County Comprehensive Plan or as provided in an intergovernmental agreement with such municipality, without the concurrence of the municipality involved.
- 20. Revenue generated from activities on open space lands may be used to acquire, manage, patrol, improve and maintain open space properties.
- 21. Interest generated from the revenues of the sales and use tax extension shall be used for the purposes set forth in this resolution.
- 22. For purposes of Colo. Const., Art. X, Section 20, ("TABOR"), the receipt and expenditure of revenues of the extended 0.125% countywide sales and use tax proposed hereby together with earnings on the investment of the proceeds of such tax shall constitute a voter-approved revenue change.
- 23. The sales and use tax shall expire at 12:00 a.m. on January 1, 2035, and any monies remaining after January 1, 2035 may continue to be expended solely for the purposes set forth herein until completely exhausted.
- 24. The proposal as described in this Resolution shall take effect immediately upon the approval of the electorate.
- 25. A notice of the approval of this countywide sales and use tax proposal by a majority of the registered electors voting thereon shall forthwith be submitted by the County Clerk and Recorder to the Executive Director of the Department of Revenue, together with a certified copy of this Resolution, no later than November 17, 2016.
- 26. The election shall be conducted on November 8, 2016 as a coordinated election in accordance with articles 1 to 13 of title 1, C.R.S. (the "Uniform Election Code").
- 27. The Board shall take further action by resolution to set a ballot title for the proposal described herein. For purposes of Section 1-11-203.5, C.R.S., as amended, such resolution shall serve to set the ballot title for such proposal.
- 28. No later than September 9, 2016, the Designated Election Official shall certify the order of the ballot and ballot content to the Clerk and Recorder of the County (the "County Clerk"). The "Designated Election Official" shall be Michelle Krezek, Intergovernmental Relations Director and Administrative Deputy to the Board.

- 29. The order of the ballot shall be determined by the County Clerk as provided in Section 1-5-407(5), C.R.S., and the rules of the Secretary of State. In accordance therewith, if the County refers more than one ballot issue, the order of the ballot shall, in accordance therewith, be as follows: first, measures to increase taxes; second, measures to retain revenues in excess of its fiscal year spending limit; third, measures to increase debt: fourth, citizen petitions: and fifth, other referred measures. If the County refers more than one ballot issue within any such type of ballot issue, the order within such type of ballot issue shall, unless otherwise determined by the Board, be the same as the order of the ballot issues in the resolution of the Board that orders that such ballot issues be so referred (with questions set forth in separate resolutions listed in the order in which such resolutions were adopted).
- 30. The Designated Election Official is hereby authorized and directed to proceed with any action necessary or appropriate to effectuate the provisions of this Resolution and comply with the Uniform Election Code, TABOR, and other applicable laws; provided that all acts required or permitted by the Uniform Election Code relevant to voting by early voters' ballots, absentee ballots, and emergency absentee ballots which are to be performed by the Designated Election Official shall be performed by the County Clerk. The election shall be conducted in accordance with the Uniform Election Code, TABOR, and all other applicable laws.
- 31. No later than September 27, 2016, the Designated Election Official shall submit to the County Clerk, in the form, if any, specified by the County Clerk, the notice of election required by Subsection (3)(b) of TABOR.
- 32. The Designated Election Official, the County Clerk and other County officials and employees are hereby authorized and directed to take all action necessary or appropriate to effectuate the provisions of this Resolution.
- 33. All actions not inconsistent with the provisions of this Resolution heretofore taken by the members of the Board and the officers and employees of the County and directed toward holding the election for the purposes stated herein are hereby ratified, approved, and confirmed.
- 34. All prior acts, orders or resolutions, or parts thereof, by the County in conflict with this Resolution are hereby repealed, except that this repealer shall not be construed to revive any act, order or resolution, or part thereof, heretofore repealed.
- 35. If any provision of this resolution or the application thereof to any person or circumstances is held invalid, such invalidity shall not affect other provisions or applications of this resolution which can be given effect without the invalid provision or application, and to this end the provisions of this resolution are declared to be severable.

Α	motion	to	approve	this	Resolution	2016-77	was	made	by	Commi	ssioner
	Jon	es	, s	econd	ed by Comn	nissioner	Dome	enico		, and	passed
by a	a_3-	0	vote.								

ADOPTED this 28th Day of July, 2016.

ATTEST:



BOARD OF COUNTY COMMISSIONERS OF BOULDER COUNTY

Elise Jones, Chair

Cindy Domenico, Vice Chair

Clerk to the Board

Deb Gardner, Commissioner



Opportunity for a Healthy Life

Leak Inspection and Repair at Oil and Gas Well Sites Boulder County Voluntary Inspection Program Results 2014–2016

EXCERPTS

full text at: https://assets.bouldercounty.org/wp-content/uploads/2017/09/boulder-county-voluntary-oil-and-gas-inspection-program-results-20170831.pdf]

Katherine J. Armstrong*†

*Boulder County Public Health—Environmental Health Division

[†]University of Colorado at Boulder—Department of Civil, Architectural, and Environmental Engineering

August 31, 2017

Abstract

Public concern has grown in Boulder County regarding the health and safety implications of emissions from oil and gas activity. Boulder County has implemented a voluntary oil and gas inspection program in order to respond to this concern. The program resulted in nearly 500 inspections at 145 production sites across the county from 2014 to 2016. Gas leaks were detected at 65% of inspected sites, and 31% of the sites with leaks experienced them in multiple calendar years. Most leaks were detected at storage tanks, separators, and wellheads. Across equipment categories, many leaks involved malfunctioning pneumatic controllers. Once reported to operators by the Boulder County oil and gas inspector, 99% of the leaks were resolved, and half of the leaks were resolved within five days. Given that almost all of the observed and resolved leaks were detected with the aid of an infrared (IR) camera, increasing the frequency of required IR inspections is necessary to improve leak detection and repair and to reduce emissions from oil and gas production sites on the Front Range.

... [content omitted – full text at: https://assets.bouldercounty.org/wp-content/uploads/2017/09/boulder-county-voluntary-oil-and-gas-inspection-program-results-20170831.pdf]

The goal of the first year of the inspection program (2014) was to access and inventory as many sites as possible while conducting AVO and IR camera inspections. In 2015 and 2016, the focus of the program was to conduct more detailed leak detection and repair (LDAR) inspections and to ascertain – through follow-up inspections and correspondence with the operators – if, how, and when gas leaks were resolved.

... [content omitted – full text at: https://assets.bouldercounty.org/wp-content/uploads/2017/09/boulder-county-voluntary-oil-and-gas-inspection-program-results-20170831.pdf]

In February 2014, the inspector became certified to use an optical gas imaging camera (FLIR GF-320 thermal infrared camera) owned by the Regional Air Quality Council (RAQC) to detect gaseous leaks. This IR camera can detect emissions of methane, ethane, and VOCs from equipment at oil and gas sites.

... [content omitted – full text at: https://assets.bouldercounty.org/wp-content/uploads/2017/09/boulder-county-voluntary-oil-and-gas-inspection-program-results-20170831.pdf]

After each visit, the inspector notifies the operator via email of general inspection findings and of the location of any observed leaks, including from equipment that the operator has already tagged as needing repairs. The inspector then tracks the date of the operator's response and the date of leak resolution reported by the operator. When possible, the inspector will return to the site with the IR camera to confirm that leaks have been resolved as described by the operator.

In analyzing the inspection data, the following state definition of a leak was used: "For infra-red camera and AVO monitoring...a leak is any detectable emissions not associated with normal equipment operation." Therefore, the inspector's descriptions of leaks and correspondence between the county and the operator were manually reviewed to determine if detected emissions were associated with normal equipment operation. If so, the emissions were not considered a leak and were excluded from this analysis. From 2014 to 2016, the inspector notified operators of only 6 possible leaks that were later determined to be associated with normal equipment operation.

For the analysis, each leak was defined as either single or recurrent. If a leak was observed from the same equipment component unchanged across consecutive inspections without documentation of repair between inspections, it was defined as a single leak. If documentation showed that a repair had been made or the leak had ceased between consecutive inspections, then the leak was defined as recurrent and counted as a new leak in the analysis.

... [content omitted – full text at: https://assets.bouldercounty.org/wp-content/uploads/2017/09/boulder-county-voluntary-oil-and-gas-inspection-program-results-20170831.pdf]

Results

Numbers of Visits and Leaks

From 2014 to 2016, Boulder County Public Health conducted 489 visits to 145 different oil and gas sites (about 3.4 visits per site) (Table 1); 67% of the visits involved an IR camera inspection, while 33% involved an AVO inspection only, and 118 sites (81%) were inspected in multiple calendar years.

Table 1. Numbers of visits and leaks by inspection type and by year of Boulder County's voluntary inspection program

	2014	2015	2016	Total
Visits	243	94	152	489
IR visits	142	74	111	327
AVO visits	101	20	41	162
Leaks	84	55	80	219
IR leaks	83	55	77	215
AVO leaks	1	0	3	4

A total of 219 leaks were detected, and 94 sites (65%) in Boulder County experienced at least 1 leak during the 3-year period (Table 2; Figure 2). Furthermore, 29 of these 94 sites (31%) experienced leaks in multiple calendar years. For the sites at which at least 1 leak occurred, a single leak occurred at 45% of sites, while 24% of sites experienced 4 or more leaks – or more than 1 leak per year of the inspection program, from 2014 to 2016 (Figure 3).

Table 2. Number of sites and percentage of sites experiencing leaks by year of Boulder County's voluntary inspection program

	2014	2015	2016	Overall	
Sites visited	131	80	111	145	
Sites with leak(s)	52	30	44	94	
Sites with leak(s) as a	40%	200/	400/	65%	
percentage of sites visited	40%	38%	40%	05%	

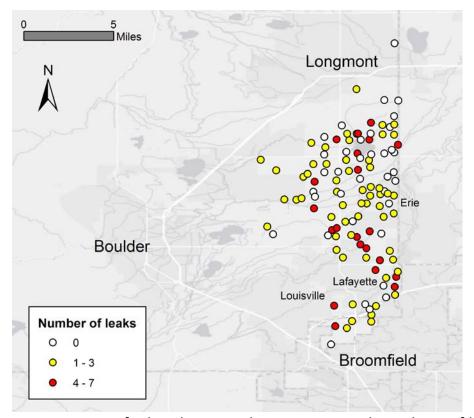


Figure 1. Locations of oil and gas production sites and numbers of leaks

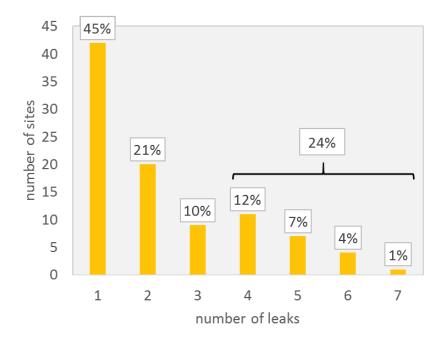


Figure 2. The numbers of sites in Boulder County that experienced one or more leaks from 2014 to 2016

Return Visits and Recurrent Leaks

The inspector returned to oil and gas sites 190 times to conduct IR camera inspections, often to confirm that an earlier leak had been resolved. During 82 of these return visits (43%), the inspector detected 1 or more new leaks at the site. During three return visits (2%), the inspector observed a new leak that was recurrent from a previous visit.

... [content omitted – full text at: https://assets.bouldercounty.org/wp-content/uploads/2017/09/boulder-county-voluntary-oil-and-gas-inspection-program-results-20170831.pdf]

In its two-year pilot project involving IR camera inspections across the state of Colorado, APCD observed a marked decrease in the percentage of oil and gas well production facilities that experienced leaks. Leaks or venting were found at 42% of facilities at the beginning of the project in the third quarter of 2013, while only 9% of facilities experienced leaks or venting at the end of the project in the second quarter of 2015. By contrast, Boulder County's analysis indicates that the percentage of sites experiencing leaks in the county remained stable (approximately 40% of sites per year of the voluntary inspection program). At the time of this analysis, the available data were insufficient to discern the reason for the divergence between the results. The divergence may be due to differences between oil and gas sites in Boulder County and those elsewhere in Colorado (e.g., production volumes per site or ages of equipment at each site).

Conclusions

Leaks are common among oil and gas sites in Boulder County, and these sites often experienced multiple leaks during the three-year inspection period. Therefore, the one-time AIMM inspection requirement is inadequate to identify and initiate the repair of leaks from malfunctioning equipment. By increasing the frequency of required inspections, leaks would be discovered sooner, which would aid in curtailing regional emissions of methane and VOCs from oil and gas operations.

Inspections and maintenance should target separators, storage tanks, wellheads, and pneumatic controllers across equipment categories in order to reduce the number of leaks at oil and gas facilities. Furthermore, inspections should be conducted with IR cameras whenever possible. In this analysis, IR camera inspections were much more likely to detect leaks than AVO inspections. Since leak detection is a prerequisite for leak

resolution, and because an inspection program is limited by the time required for an inspector to visit individual well sites and conduct inspections, IR camera inspections may be the most efficient strategy for reducing leaks from oil and gas facilities.

Acknowledgments

The author thanks the following reviewers for providing helpful comments and suggestions on a draft of this paper:

Cindy Beeler (Energy Advisor, U.S. Environmental Protection Agency, Region 8)

Joost de Gouw (Senior Research Scientist, Cooperative Institute for Research in Environmental Sciences)

Hillary Hull (Senior Research Analyst, Environmental Defense Fund)

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	THIS AGREEMENT, Extered into this the 4th day of	March	. 19 80	
	between Jane Eastlack and Leon Eastlack,		. 19	D. J. William
	2514 North Boyer			Docket Nos.
	Colorado Springs, CO 80907		hereinafter called lessor,	171000695 &
	andBuddy Baker, 1429 Larimer, Denve	r. CO 80202 herein	after called lessee, does witness:	171200774
	1. That lessor, for and in consideration of the sum of Ten and no	/100 Dollars in hand paid and	of the covenants and agreements	Boulder
Ċ	hereinafter contained to be performed by the leasee, has this day granted, leasee sively unto the lessee the hereinafter described land, and with the right to uniti- any part of the lands covered thereby as hereinafter provided, for the purpose	e this lease or any part thereof with	other oil and gas leases as to all or	
′,	cluding core drilling, and the drilling, mining, and operating for, producing, and is gases and their respective constituent vapors, and for constructing roads, laying	saving all of the oil, gas, casinghead gas	, casinghead gasoline and all other	County
•	lines and other structures thereon necessary or convenient for the economical produce, save, take care of, ano manufacture all of such substances, and for hor	operation of said land alone or conj	ointly with neighboring lands, to	EXHIBIT K
Ċ	rights therein being situated in the County of Boulder	and domains employees. and the	act of tand with any reversionary	
• *	State of Colorado , and describe	1 as follows:	•	
	TOWNSHIP 2North-RANGE 69West			
	Section 24: Stanwa, Nantswa			
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	387763	MAR 1 7 1980		
	00/763	· · · · · · · · · · · · · · · · · · ·		
	Reception No Charlotte Houston Re	vildes Course and containing	30.00 acres, more or less.	
	Reception No Charlotte Houston, &c. 2. It is agreed that this lease shall remain in full force for a term of THR	EE (3) Necorder years from this	date, and as long thereafter as oil	
			are being developed or operated.	
	or gas, or either of them, is produced from said and (or from issue with which said issues e evenants and agrees. 3. In consideration of the premises the said lessee evenants and agrees. To deliver to the credit of senor, free of cost, in the pipe line to whip produced and saved from the learned premises. 4. The lessee shall monthly pay lessor as royalty on gas market afform et at the well, or if marketed by lessee off the leased premises, then considerable the state of the well computed at the newsorial region of the well computed at the prevaising market price, of the casimphead	ch lessee may connect his wells, the e	qual ene 3(3) (2,42) part of all oil	
1 50	 The lessee shall monthly pay lessor as royalty on gas marketed from er at the well, or if marketed by lessee off the leased premises, then ens sightly (14). 	ich weil where gas only is found, one of b) of its market value at the well. The	ighth-(8/8) of the proceeds if sold lessee shall pay the lessor: (a) one-	
13/				
	for any purpose or used on the lessed premises by the lessee for purposes other the ege at his own risk and expense of using ger from any gas well on said land for	stoves and inside lights in the princip	al dwelling located on the leased	
	premises by making his own connections thereto. Where gas from a wek or wells, capable of producing gas only, is not a	old or used for a period of one year, le	ssee shall pay or tender as royalty.	
	an amount equal to the delay rental as provided in paragraph (5) hereof, payable such year during which such gas is not sold or used, and while said royalty is so	e annually on the anniversary date of the paid or tendered this lease shall be h	his lease following the end of each eld as a producing property under	
	paragraph numbered two hereo!. 5. If operations for the drilling of a well for oil or gas are not commenced	on said land on or before the 4th	March .	
	19 81 , this lease shall terminate as to both parties, unless the lessee shall on			
	the Colorado Springs National Bark at Colorado successors are the lessor's agent and shall continue as the depository of any and	Springs, CO	its successors, which Bank and its	
	successors are the lessor's agent and shall continue as the depository of any and said land or in the oil and gas or in the rentals to accrue hereunder, the sum of			
	a rental and cover the privilege of deferring the commencement of operations	for drilling for a period of one year	r. In like manner and upon like	
	payments or tenders the commencement of operations for drilling may further made by check or draft of lessee or any assignee thereof, mailed or delivered or	or before the rental paying date, eith	her direct to lessor or assigns or to	
	said depository bank, and it is understood and agreed that the consideration first to the date when said first rental is payable as aforesaid, but also the lessee's of	ition of extending that period as afor	esaid and any and all other rights	
	conferred. Lessee may at any time execute and deliver to Lessor, or place of re- described premises and thereby surrender this lease as to such portion or portion	as and be relieved of all obligations a	s to the acreage surrendered, and	
	thereafter the rentals payable hereunder shall be reduced in the proportion that the 6. Should the first well drilled on the above described land be a dry hole	, then, and in that event, if a second w	eli is not commenced on said land	
	within twelve months from expiration of the last rental period for which renta lessee on or before the expiration of said twelve months shall resume the paymen	at of rentals in the same amount and in	the same manner as hereinbefore	
	provided. And it is agreed that upon the resumption of the payment of rentals, as payment of rentals and the effect thereof shall continue in force just as though the	ere had been no interruption in the ren	tal payments.	
	If said lessor owns a less interest in the above described land than th rentals herein provided shall be paid the lessor only in the proportion which his	interest bears to the whole and undivid		
	be increased at the next succeeding rental anniversary after any reversion occurs to 8. The lessee shall have the right to use, free of cost, gas, oil and water for the lesser when required the lesser when required the lesser when required to be the control of the lesser when required the lesser when the lesser when the lesser when required the lesser when the les	ound on said land for its operations the	reon, except water from the wells	
	of the lessor. When required by lessor, the lessec shall bury its pipe lines below crops on said land. No well shall be drilled nearer than 200 feet to the house or shall have the right at any time during or after the expiration of, this lease to rem	barn now on said premises without wi	itten consent of the lessor. Lessee	
	on said premises, including the right to draw and remove all casing. Lessee agrees, of any producing well, to restore the premises to their original contour as near as	upon the completion of any test as a d	ry hole or upon the abandonment	
	 If the estate of either party hereto is assigned (and the privilege of assigned to the heirs, devisees, executors, administrators, successors, and assigns, but 	ming in whole or in part is expressly al	lowed), the covenants hereof shall	
	sum due under this lease shall be binding on the leasee until it has been furnish certified copy thereof or a sertified copy of the will of any deceased owner an	ed with either the original recorded in	strument of conveyance or a duly	
	appointment of an administrator for the estate of any deceased owner, whicheveyance or duly certified copies thereof necessary in showing a complete chain	er is appropriate, together with all orb	sinal recorded instruments of con-	
	ments of rentals made hereunder before receipt of said documents shall be bir executor, or heir of lessor.			
	10. It is hereby agreed that in the event this lease shall be assigned as to of any such part or parts shall make default in the payment of the proportionate			
	defeat or affect this lease insofar as it covers a part of said land upon which the le- 11. Lessor hereby warrants and agrees to defend the title to the land her	see or any assignee hereof shall make o	lue payment of said rentals.	
	charge in whole or in part any taxes, mortgages, or other liens existing, levied, or such option, it shall be subrogated to the rights of any holder or holders thereof			
	gage, tax or other lien, any royalty or rentals accruing hereunder. 12. Notwithstanding anything in this lease contained to the contrary, it is	expressly agreed that if lessee shall co	ommence operations for drilling at	
	any time while this lease is in force, this lease shall remain in force and its term tion results thesefrom, then as long as production continues.	•		
	If within the primary term of this lease, production on the leased pre- operations for the drilling of a well shall be commenced before or on the next a	nsuing rental paying date: or, provided	lessee begins or resumes the pay-	
	ment of rentals in the manner and amount hereinbefore provided. If, after the premises shall cease from any cause, this lease shall not terminate provided lesse	e resumes operations for re-working o	or tirilling a well within sixty (60)	
	days from such cessation and this lease shall remain in force during the prosecution production continues.			
	13. Lessee is hereby given the right at its option, at any time and from the scribed land with other land, lesse, or lesses in the immediate vicinity thereof.	nuch pooling to be into units not exce	eding the minimum size tract on	
	which a well may be drilled under laws, rules, or regulations in force at the tim exceed such minimum by not more than ten acres if such excess is necessary in	order to conform to ownership subd	ivisions or lease lines. Lessee shall 🏴	
	exercise said option, as to each desired unit, by executing and recording an inst ducted on any part of each such unit shall be considered a well drilled or operation of the about described lead included in a new order with unit was proported and the	as conducted under this lease, and the	e shall be allocated to the portion	\
	of the above described land included in any such unit such proportion of the a such portion, computed on an acreage basis, bears to the entire acreage of such	unit. And it is understood and agreed	that the production so allocated	\
	shall be considered for all purposes, including the payment or delivery of royal land included in such unit is the same manner as though produced from the about 14. This lesses and all its terms and eliquidons shall actuate the same of the same and all includes the same of the same and all includes the	e described land under the terms of this	i lease.	\
	14. This lease and all its terms, conditions and stipulations shall extend to whether such leasor is na-ned above and regardless of whether it is signed by any counterparts, each to have the same effect as the original.			\
	IN WITNESS WHEREOF, we sign the day and year first above written.			\
	Witness: 2	1 0		\
	year Clastfack	Jane East	lack	\
	Leon Eastlack SS# 524-07-9087	Jane Eastlack SS#	524-12-0488	\
				\ \

STATE OF Colorado COUNTY OF ElPaso	Oklahes ss.	na, Kanasa, New Mexica, Wyeming, I Nebraska, North Dakota, Sou ACKNOWLEDGMENT — :NI	th Dakota
BEFORE ME, the undersigned, a Notary	Public, in and fo	er said County and State, on this	4th
day of March 19.80	, personally app	ared Jane Eastlack	***************************************
and Leon Eastlack, wife an	nd husband		0 100 40
	to	me known to be the identical person	a described in and what execute
the within and foregoing instrument of writing and voluntary act and deed for the uses and p	and acknowledge	ed to me thattheyduty execut forth.	nter ha de bas Chiperia
IN WITNESS WHEREOF, I have here My Commission Expires. My Commission Expi	rupto set my hand res August 12, 1981	and affirm my soturial seal the	Notary Public.
STATE OF	Oklahou as.	na, Kansas, New Mexico, Wyoming, I Nebraska, North Dakota, Sou	Mentana, Colorado, Utah, th Dakota
	-		
BEFORE ME, the undersigned, a Notary	•		·
day of 19	, personally appo	eared	***************************************
end			
		•	a described in and who execute
the within and foregoing instrument of writing and voluntary act and deed for the uses and p) and acknowledge surposes therein se	ed to me thatduly execute forth.	sted the same asfre
			1 1 1 1 11
IN WITNESS WHEREOF, I have here My Commission Expires	•	•	•
Try Commission Department			Notary Public.
State of		ACKNOWLEDGMENT	(For use by Corporation)
County of	} 38.	NOR OF ELECTRICAL	(rur and by Companions)
On thisday of		. 1	A D 19 hefore me neronally
appeared			•
me duly sworn, did say that he is the			
•			
tion and that said instrument was signed an	d scaled in beha	If of said corporation by authority	of its Board of Directors, and said
	acknowledged sa	id instrument to be the free act and	deed of said corporation.
Witness my hand and seal this		day of	A. D. 19
		-	
(SEAL)			Notary Public.
My Commission expires		*******	
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	2		County Cherr return to
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		County. Or recor M. a. Page	1 1 1 2 C
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Z		s testrument was filed for record on the 19	
			1200 1
			37.6
		This instrument was filed for record on the	18
	1 6 2	FI . 1 3	

whether such lessor is named above and regardless of whether it is signed by a	we described land under the terms of this lease. to, and be binding on each of the parties who signs this lease, regardless of
counterparts, each to have the same effect as the original. IN WITNESS WHEREOF, we sign the day and year first above written.	
Flan Brewbaker 88#523-76-0156	
Jean Brewbaker 88#523-76-0156	
Boulder County's Pre-Hearing Stater	ment and corresponding exhibits Page 42

COUNTY O		.) ACIONO	rw Mexire, Wyoming, Me ske. North Dakota, South WLEDGMENT — INDIV	VIDUAL
		Public, in and for said County, personally appeared	•	
				
seering.	CA STATE			
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he within and	American of writin	and acknowledged to me that.		described in and who ex
and voluntary	deer he the uses and	ourposes therein set forth.		
IN WIT	NES WHEREOF, I have her n ExpiresJune92h,198	runto set my hand and affixed	my notarial seal the day	and year last above written.
				Notary Public.
STATE OF) Ohlahoma Kansas No	or Mexico Wassing Ma	ntana Colorado Iltab
	1	as. Nebras ACIONO	rw Mexico, Wy <mark>oming, Mo</mark> ska, North Dakota, South I WLEDGMENT — INDI	Dakota /IDUAL
BEFORE	ME, the undersigned, a Notary	Public, in and for said County	y and State, on this	
day of	, 19	, personally appeared		
and		, to me known to	be the identical person	described in and who ex
		and acknowledged to me that.	<u>-</u>	
	act and deed for the uses and		,	
		runto set my hand and affixed	my notarial scal the day	and year last above written.
•	n Expires			Notary Public.
12.22.2011 a				
State of		1	CKNOWLEDGMENT (I	For use by Corporation)
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On this	day of		. A . 1	D. 19 before me per
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ne duly swort	did say that he is the	of		
		and that the seal affixed		•
on and that	said instrument was signed as	d sealed in behalf of said co	•	
		acknowledged said instrument		•
Witness n	y hand and seal this	day of		, A. D. 19.
SEAL)				Notary Public.
vily Commissio	n expires	*********** ******************		,
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UNion Reservoir (45)

THIS between	James L. Hen	red into this the 4th reverse was the 4th F	day of <u>March</u> lenry, husband and t	vife	. 19 <u>80</u>
	8224 N. 119t	•	cary, neovene ene		
	Longmont, CO				hereinafter called lessor.
and	Buddy Baker,	1429 Larimer, Den	ver, CO 80202	hereinafter ca	lled lessee, does witness:
hereinafter sively unto any part of cluding co gases and lines and produce, s	r contained to be per to the lessee the hereir of the lands covered re drilling, and the di their respective const other structures there have, take care of, and	rformed by the lessee, has this nafter described land, and with thereby as hereinafter provide rilling, mining, and operating for itiuent vapors, and for constru- eon necessary or convenient d manufacture all of such subs	day granted, leased, and let an i the right to unitize this lease d, for the purpose of carrying or, producing, and saving all of a cting roads, laying pipe lines, by or the economical operation of	Dollars in hand paid and of the dy these presents does hereby or any part thereof with other or on geological, geophysical and of the oil, gas, casinghed gas, casingle uilding tanks, storing oil, building of said land alone or conjointly warding employees, said tract of la	grant, lease, and let exclu- l and gas leases as to all or her exploratory work, in- lead gasoline and all other power stations, telephone with neighboring lands, to
rights ther		the County of <u>Boulder</u>			MAD 4.2
State of _	Colorado TOWNSHIP 2Nor Section 24:	th-RANGE 69West	, and described as follows: R SINWIX, NIZSINWIX Re	ecorded 10:52 A.) 87761 Eception No	MAR 17 19
5	Addandım at	ttached bereto (and made a part	Af this lesse.	24.
266	Addendum at	reactied tiereco a	and made a pare	01 (1113 10400)	.grot
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				and containing 200,00	acres, more or less.
OF EAS. OF (lither of them, is prod	ease shall remain in full force fo luced from said land (or from l	Puat mitu muicu tafa faua iz cou	solidated) or the premises are being	nd as long thereafter as oil ag developed or operated.
	To deliver to the cree	ne premises the said lessee cover dit of lessor, free of cost, in th	he pipe line to which lessee ma	y connect his wells, the equal en	part of all oil
produced 4. at the well in the 40, mouth of, for any pu ege at his premises t	and saved from the los The lesses shall ment 1, or if marketed by 1 8), of the proceeds it the well, computed a prose or used on the own risk and expens- by making his own cor Where gas from a we	ased premises. thip pay lessor as royalty on galence off the leased premises, to ceived by the lessee from the at the prevailing market price, leased premises by the lessee for eof using gas from any gas winnections thereto. ell or wells, capable of produciell or wells, capable of producies.	as marketed from ach well whe then ease sightle-4-89 of its mar sale of casinghead gas, produced of the casinghead gas, produced ir purposes other than the develet li on said land for stoves and in gas only, is not sold or used in	re gas only is found, encouped the text value at the well. The lessed shed from any oil well: (b) encouped from any oil well and used by less opment and operation thereof. Lenside lights in the principal dwell for a period of one year, lessee she in the anniversary date of this lease.	(6) of the proceeds if sold all pay the lessor: (a) one- historic of the value, at the see off the leased premises soor shall have the privil- ing located on the leased il pay or tender as royalty,
such year þaragraph	during which such ga numbered two hereof	as is not sold or used, and whi f.	le said royalty is so paid or ter	dered this lease shall be held as a on or before the <u>4th</u> day of]	producing property under
19 81	, this lease shall term	ninate as to both parties, unless	the lessee shall on or before said	d date pay or tender to the lessor of	or for the lessor's credit in
the <u>F1</u> 1	st National	Bank r	Longmont, Color	ado yable under this lease regardless o	essors, which Bank and its
successors	are the lessor's agent	and snau continue as the dep	ontory of any and all sums pa	ed and no Doll for Seriod of one year. In the or like periods successively. All pa	or changes or owner, mp in
made by said deports the dat conferred described thereafter 6, within tw	check or drait or less it when said first rent . Lessee may at any to premises and thereby the rentals payable he Should the first well elve months from ex	understood and agreed that the understood and agreed that the tal is payable as aforesaid, but time execute and deliver to Le: y surrender this lease as to sucle ereunder shall be reduced in the drilled on the above described piration of the last rental peri	used or delivered on or before to e-consideration first recited here also the lessee's option of extensor, or place of record, a relea h portion or portions and be re- er proportion that the acreage co- l land be a dry hole, then, and it od for which rental has been p- do for which rental has been p-	or life periods successively. All pa- he rental paying date, either direc- in, the down payment, covers not- reding that period as aforessid an sec or releases covering any portio- lileved of all obligations as to the vered hereon is reduced by said re- en that event, if a second well is no aid, this lease shall terminate as tin the same amount and in the sam	cit to lessor or assigns or to only the privilege granted d any and all other rights n or portions of the above acreage surrendered, and lesse or releases. t commenced on said land o both parties, unless the
provided. payment of 7.	And it is agreed that of rentals and the effect of said lessor owns a	upon the resumption of the pa ct thereof shall continue in fore less interest in the above desc	yment of rentals, as above provi ce just as though there had been cribed land than the entire and	ided, that the last preceding paragi no interruption in the rental payr undivided fee simple estate there s to the whole and undivided fee.	raph hereof, governing the nents. in, then the royalties and
be increas	ed at the next succeed	ding rental anniversary after any	y reversion occars to cover the in		
of the les crops on : shall have	sor. When required by said land. No well sha the right at any time of	y lessor, the lessee shall bury i all be drilled nearer than 200 i during, or after the expiration (ts pipe lines below plow depth a feet to the house or barn now or of, this lease to remove all mach	nd shall pay for damage caused by said premises without written co inery, fixtures, houses, buildings a mpletion of any test as a dry hole	r its operations to growing insent of the lessor. Lessee and other structures placed
9.	If the estate of either	r party hereto is assigned (and)	the privilege of assigning in who	nd to remove all installations with le or in part is expressly allowed),	the covenants hereof shall
sum due t	under this lease shall	be binding on the lessee until	it has been furnished with eith	of ownership in the land or in the er the original recorded instrume:	nt of conveyance or a duly
appointm	ent of an administrate	or for the estate of any deceas	ed owner, whichever is approp	bate thereof, or certified copy of riate, together with all original rec t to lessor to the full interest clai	orded instruments of con-
men's of executor,	rentals made hereune or beir of lessor.	der before receipt of mid doc	uments shall be binding on any	direct or indirect assignee, grant	ee, devisee, administrator,
10. of any su defeat or	It is hereby agreed the ch part or parts shall affect this lease insofa	make default in the payment o ir as it covers a part of said land	f the proportionate part of the i l,upon which the lessee or any a	to parts of the above described law ent due from him or them, such d ssignee hereof shall make due pays and agrees that the lessee, at its	efault shall not operate to ment of said rentals.
charge in such opti- gage, tax	whole or in part any t on, it shell be subrogs or other lien, any roya	taxes, mortgages, or other liens ated to the rights of any holder alty or rentals accruing hereund	existing, levied, or assessed on or r or holders thereof and may rei er.	or against the above described land mburse itself by applying to the di greed that if lessee shall commence	s and, in event it exercises ischarge of any such mort-
any time tion result	while this lease is in i is therefrom, then as l If within the primary	force, this lease shall remain in long as production continues. y term of this lease, production	n force and its terms shall continues on the leased premises shall o	ue so long as such operations are : ease from any cause, this lease sh	prosecuted and, if produc- all not terminate provided
ment of a premises a days from production	rentals in the manner shall cease from any o such cessation and the continues.	r and amount hereinbefore pro cause, this lease shall not term his lease shall remain in force di	vided. If, after the expiration of inate provided lessee resumes of uring the prosecution of such of	il paying date: or, provided lessee of the primary term of this lease, perations for re-working or drillin terations and, if production results	production on the leased ag a well within sixty (60) thereform, then as long as
scribed in which a vexceed su exercise a ducted on of the ab-	nd with other land, le rell may be drilled un ch minimum by not to sid option, as to each any part of each such ove described land inco lon, computed on an	ease, or leases in the immediate nder laws, rules, or regulations more than ten acres if such ex a had desired unit, by executing an a unit shall be considered a well cluded in any such unit such p acreage basis, bears to the ent	e vicinity thereof, such pooling in force at the time of such po- cess is necessary in order to co- d recording an instrument idea- i drilled or operations conducter proportion of the actual produc- tive acreage of such unit. And is	to pool or unitize all or any part to be into units not exceeding it olding or unitization: provided, hou offer a to ownership subdivisions airying the unitized area. Any well it under this lease, and there shall it tion from all wells on such unit as it is understood and agreed that it	he ministum size tract on wever, that such units ma; or lease lines. Lessee shall i drilled or operations con- se allocated to the portion lessor's interest, if any, in he production so allocated
shall be c land inclu 14.	onsidered for all purp ded in such unit in the This lease and all its	poses, including the payment of e same manner as though produ- terms, conditions and stipulate	r delivery of royalty, to be the seed from the above described le ions shall extend to, and be bin	entiry production from the port and ander the terms of this lease. ding on each of the parties who sign parties herein named as lessors. T	ion of the above described.
counterpa	rts, each to have the s	toove and regardless of whethe same effect as the original. , we sign the day and year first a	_	a pastes never named as remots. 1	ma crase may be signed in
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			— <i>—</i>	PACE	

FILM 1108
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STATE OF Colorado	Oklahoma, Kansas, New Mexico, Wyoming, Montana, Colorado, Utah, Nebraska, North Dakota, South Dakota
COUNTY OF Boulder	ACKNOWLEDGMENT — INDIVIDUAL
BEFORE ME, the undersigned, a Notary	y Public, in and for said County and State, on this
day of March 19 80	personally appeared James L. Henry
Nadine H. Henry, husband	and wife
	to me known to be the identical person.S
	g and acknowledged to me thattheyduly executed the same as
and voluntary act and deed for the uses and p	
IN WITNESS WHEREOF, I have been	eunto set my band and affined my notarial and the day and yardhat see written.
My Commission Expires.	as August 12.1301
	n Workey Public
	The state of the s
STATE OF	Oklahoma, Kansea, New Mexico, Wyoming, Montana, Colorado, Utah,
COUNTY OF	as. Nebraska, North Dakota, South Dakota ACKNOWLEDGMENT — INDIVIDUAL
BEFORE ME, the undersigned, a Notary	Public, in and for said County and State, on this
day of	personally appeared
uay of	
and	
	, to me known to be the identical person, described in and who execute
	g and acknowledged to me that
and voluntary act and deed for the uses and p	
IN WITNESS WHEREOF, I have here	eunto set my hand and affixed my notarial seal the day and year last above written.
	Notary Public.
State of	ACKNOWLEDGMENT (For use by Corporation)
County of	
On thisday of	A. D. 19, before me personall
appeared	to me personally known, who, being b
me duly sworn, did say that he is the	of
	and that the seal affixed to said instrument is the corporate seal of said corpora
	nd sealed in behalf of said corporation by authority of its Board of Directors, and said
-	acknowledged said instrument to be the free act and deed of said corporation.
Witness my hand and seal this	day of
(SEAL)	Notary Public.
	• •
My Commission expires	9240 1.2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

This addendum attached hereto and made a part of that certain Oil and Gas Lease dated March 4, 1980 ty and between James L. Henry and Nadine H. Henry, Lessors, and Buddy Baker, Lessee, covering the following described lands:

TOWNSHIP 2North-RANGE 69West, Boulder County, Colorado Section 24: Nank, Nank, Nank, Saka, Saka, Nank, Nank, Nank, Nank, Nank, Saka, Nank, Nank,

- 1. Ancillary Rights: The attached Lease includes the granting to Lessee necessary rights incident to the exploration and production of oil and gas such as the laying of reasonably necessary pipelines, building tanks, and the installation of necessary power lines.
- 2. Time of Drilling and Exploration: So far as is reasonably practicable, Lessee will attempt to conduct its drilling and exploration activities on the subject premises out of the crop season. Crop season is defined as April 1 to December 15, provided if crops are harvested at an earlier date or no crop is in existence for that crop year, Lessee may disregard these limitations. Nothing herein shall be deemed to be a prohibition of drilling and exploration during crop season.
- 3. Minimum Use of Surface: Lessee shall make all reasonable efforts to make use of the minimum amount of Lessor's property. Lessee shall attempt to use not more than three (3) acres of Lessor's property per well site. Use of Lessor's property shall include the well site itself, any roads constructed, pipelines installed, tank batteries placed or any other use of Lessor's surface. This shall not be deemed a prohibition against use of more than three (3) acres, but in the event more is used, Lessor may claim futher damage.
- 4. Location of Facilities and Improvements. Lessee shall make all reasonable efforts to locate all of its facilities constructed or installed under this Lease in such a manner as to minimize damage to Lessor's premises. In that regard, Lessee will consult with Lessor as to the location of the same, so as to minimize damages as much as reasonably practicable. As used herein, the term "facilities" includes, but not to the exclusion of others, all wells, roads, pipelines, power lines, tanks and heater-treaters. In particular, Lessee will not drill a well nearer than 300 feet to established improvements, without the consent of Lessor, unless the dictates of the requirements and regulations of the Colorado Oil and Gas Commission require otherwise. Additionally, Lessee will do everthing possible to stay a safe and reasonable distance away from active irrigation facilities while at the same time complying with the requirements of the Oil and Gas Commission.
- 5. Roadways: In addition to the requirements of paragraph 4 hereof, Lessee, whenever reasonably possible, shall use established roadways on the premises. If Lessee believes it reasonably required to improve any roadway with gravel, only high quality, small diameter gravel shall be used.
- 6. Pipelines: In addition to the requirements of paragraph 4 hereof, all pipelines shall be buried beneath plow depth; and water packed upon installation. In xcavating for pipelines, the soils will be separated so that the topsoil and subsurface soils shall be placed back in the proper order and leveled, with topsoil on top. So far as is reasonably possible, all pipelines shall be located so that they run parallel, rather than in a perpendicular manner, to crop rows as planted or planned to be planted. No pipeline shall be permitted which does not serve a well or wells located on the Lessor's premises.

- 7. Restoration: Upon completion of drilling operations and if there is to be no production or shutting-in of the well, all facilities and all matters brought on the demised premises shall be removed, including all concrete, betonite, drilling mud, sludge pits, etc., and not just buried. All of the premises shall be restored as complete as possible. If there is production, then this obligation shall not apply to facilities necessary to so produce and maintain such production until production geases, at which time the same obligation shall apply to such production facilities.
- 8. Abstracting Costs: Lessee shall pay to Lessor, upon demand, the customary charge of abstract companies in Weld County for each abstract entry which would be required to be included within Lessor's abstract by reason of Lessee causing any document to be recorded concerning these premises.
- 9. Limitations on Unitization, Pooling: Notwithstanding anything to the contrary herein contained, drilling operations on a pooled unit or units established, as provided herein or by governmental authority, shall maintain this lease in force only as to that portion of the leased premises included in such unit or units. The lease may be maintained as to the remainder of the leased premises in any manner herein specified; provided, if it be by rental payments, rentals shall be payable only on the number of acres, if any, not within the surface area of such units.
- 10. Providing Information: At Lessor's request, Lessee will provide Lesson all geological information obtained from Lessee's drilling exploration free of charge.
- Damages: Lessee shall pay Lessor \$1,500.00 for each and every well which may be drilled on the subject premises prior to the commencement of drilling operations, assuming that drilling operations are conducted out of the crop season and assuming further that no more than three (3) acres of Lessor's property are affected per well site. This shall be deemed full and adequate compensation for the use of the surface of the subject premises in accordance with the provisions hereof. drilling operations are conducted during crop season, Lessee ' shall pay Lessor all damages to the crops within 30 days of demand by Lessor. Further, if Lessee causes any other damage to Lessor's property, such as damages to improvements or interference with irrigation, Lossee shall pay Lessor all actual damages within 30 days of demand. If Lessee deems any such demands excessive, then Lessee and Lessor shall each appoint one arbitrator to assess the damages, and the two arbitrators shall appoint a third arbitrator and the decision of the majority of said arbitrators as to the dollar amount of damages shall be binding on both parties hereto. Any such arbitrator selected shall be reasonably familiar with the values of the property or damages involved. It is expressly understood that the \$1,500.00 per well site is all that is required to be paid by Lessee for the use of that portion of the subject premises for placement of Lessee's wells, tanks, pipeline or other necessary facilities, assuming the same are done out of crop season, but the \$1,500.00 per well is not satisfaction for any crop damage or other damage to Lessor's property that may be caused by Lessee's activities.
- 12. No well shall be located or equipped and no pumps, tanks, separators, heater-treaters, power lines nor any other facilities shall be so located on the lands covered by this lease so as to interfere with the operation of any center proof irrigation system on the lands covered by this lease. If necessary to prevent interference pumps shall be lowered below the surface of the ground.

FILM 1108

13. Nature of this Attachment. This Attachment sets forth additional terms and conditions of the Lease between the parties and is more specific than the attached printed form. If there is any conflict between this Attachment and the attached printed form, this Attachment shall control.

Dadus D. Mary Nadine H. Henry	James L. Henry
STATE OF Colorado COUNTY OF Boulder	Oklahoma, Kanssa, New Mexico, Wyoming, Montana, Colorado, Utah, Nebraska, North Dakota, South Dakota ACKNOWLEDGMENT INDIVIDUAL
24-14-1-1-2-14	personally appeared. James L. Henry.
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My Commission Expires My Commission Expires	to set my hand and affilhed my notatial seal the may all year 1. August 12, 1981

PRINTED BY WILKINS PRINTING 511 FAIR ST. SHITE 777 DENVER OD ROZDZ (303) 893 TERT Form 88—(Producers)
Kan., Okla. & Colo. 1957

C 9ev 1974 OIL AND GAS LEASE THIS AGREEMENT, Entered into this the 19# day of February Denzel Hartshorn and Mildred C. Hartshorn Route 2, Box 342 Longmont, Colorado 8050J. Vessels Oil & Gas Company, 600 S. Cherry St., Denver, COmman 2222 House, does without Boulder __ State of Colorado __ and described as follows: Township 2 North, Range 69 West Section 24: N\set and S\s\!\s\!\s\\ Notwithstanding anything contained herein to the contrary, no operations shall be conducted on the surface of said lands without the prior written consent of the Lessor. Said approval, however, shall not be unreasonably withheld.

and containing 120 acres, more or less.

2. It is agreed that this lesse shall remain in full force for a term of THETE CS rears from this state and as long thereafter as old or gas, or either of them, is produced from said land or from lands with which said land is consolidated; or the premises are being developed or operated. The lessee shall monthly pay lessor as rayalty on gas marketed from each well where gas only is found, one-eighth (is) of the proceeds if sold at the or if marketed by lessee off the lessee is one-eighth (is) of its market salue at the well. The lessee shall pay the lessee: (a) one-eighth (is) of the proceeds received by the lessee from the sale of casingheing say, produced from any oil well, (is) one-eighth (is) of the well, sate of the casingheing gas, produced from any oil well and used by lessee off the lessee form the mouth of the well, sate of the casingheing gas, produced from any oil well and used by lessee off the lessed premises for any purpose or on the lesseed premises by the lessee for purposes other than (is development and operation hero). Lessor shall have the privilege at his own risk and are of using gas from any gas well on said land (o, stoves and invide lights in the principal dwelling located on the lessed premises by making his own sections thereta. If operations for the drilling of a well for oil or gas by not commenced on and land on or before the legal day of February, 19 80 and terminate as to both parties, unless the issues shall on or before said date pay or tender to the lessor or for the lessor's credit in the st. National First National Bank at Longmont, Colorado or its successors, which Bank and its successors are the house's agent und shall continue as the depository of any and all sums payable under this lease regardless of changes of ownership in said we are the lessur's agent and shall continue as the depository of any and all sums payable under this lesse regardless of changes of ownership in saids or in the rotate is to be considered to the continue of the continue o Transe is hereby given the right at its option, at any time and from time to time, to pool or unitise all or any part or parts o land with other land, lease, or leases in the immediate vicinity thereof, such pooling to by into units not exceeding the intinuous at any be drilled under laws, rules, or requisitions in forces at the time of such positing or initiation; provided, however, that such us fringing by not more than ten acres if such excess is necessary in order to conform to ownership subdivisions or lease lines. Lease the, as to each desired unit, by rescuting and recording an asstrument identifying the sitinged area. Any well drilled or operations ty if each such unit shall be considered a well drilled or operations conducted under this lease, and there shall be allocated to the secretical land included in any such unit such proportion of the actual production from all wells on such units it essere's interests, conjusted on an acreage basis, hears to the series carried and units and brooked to the series of such unit. And it is understood and agreed that his production from the portion of the above do not be units in the same manner as though produced from the above described land under the terms of this lease. This leaso and all its terms, conditions and supulations shall extend to and be binding on each of the parties who signs this lease, regardless of such lessor is named above and regardless of shether it is signed by any of the other parties herein named as lessors. This lease may be signed exparts each to have the same effect as the citignal.

COUNTY OF BOULDER	ena, Kansaa, New Maxico, Wyoming, Mootana, Colorado, Utah, Nebraska, North Dakota, South Liakota ACKNOWLEDGMENT — INDIVIDUAL
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Docket Nos. 171000695 & 171200774 Boulder County EXHIBIT L

KeyCite Red Flag - Severe Negative Treatment
Enacted LegislationAmended by 2018 Colo. Legis. Serv. Ch. 361 (S.B. 18-230) (WEST),

KeyCite Yellow Flag - Negative Treatment
Proposed Legislation

West's Colorado Revised Statutes Annotated

Title 34. Mineral Resources Oil and Natural Gas

Conservation and Regulation

Article 60. Oil and Gas Conservation (Refs & Annos)

C.R.S.A. § 34-60-116

§ 34-60-116. Drilling units--pooling interests

Currentness

- (1) To prevent or to assist in preventing waste, to avoid the drilling of unnecessary wells, or to protect correlative rights, the commission, upon its own motion or on a proper application of an interested party, but after notice and hearing as provided in this section, has the power to establish drilling units of specified and approximately uniform size and shape covering any pool.
- (2) In establishing a drilling unit, the acreage to be embraced within each unit and the shape thereof shall be determined by the commission from the evidence introduced at the hearing; except that, when found to be necessary for any of the purposes mentioned in subsection (1) of this section, the commission is authorized to divide any pool into zones and establish drilling units for each zone, which units may differ in size and shape from those established in any other zone, so that the pool as a whole will be efficiently and economically developed, but no drilling unit shall be smaller than the maximum area that can be efficiently and economically drained by one well. If the commission is unable to determine, based on the evidence introduced at the hearing, the existence of a pool and the appropriate acreage to be embraced within a drilling unit and the shape thereof, the commission is authorized to establish exploratory drilling units for the purpose of obtaining evidence as to the existence of a pool and the appropriate size and shape of the drilling unit to be applied thereto. In establishing the size and shape of the exploratory drilling unit, the commission may consider, but is not limited to, the size and shape of drilling units previously established by the commission for the same formation in other areas of the same geologic basin. Any spacing regulation made by the commission shall apply to each individual pool separately and not to all units on a statewide basis.
- (3) The order establishing drilling units shall permit only one well to be drilled and produced from the common source of supply on a drilling unit, and shall specify the location of the permitted well thereon, with such exception for the location of the permitted well as may be reasonably necessary for wells already drilled or where it is shown upon application, notice, and hearing, and the commission finds, that the drilling unit is located partly outside the pool or field and adjacent to a producing unit, or, for some other reason, the requirement to drill the well at the authorized location on the unit would be inequitable or unreasonable. The commission shall take such action as will offset any advantage which the person securing the exception may have over other producers by reason of the drilling of the well as an exception, and include in the order suitable provisions to prevent the production from the drilling unit of more than its just and equitable share of the oil and gas in the pool.

- (4) The commission, upon application, notice, and hearing, may decrease or increase the size of the drilling units or permit additional wells to be drilled within the established units in order to prevent or assist in preventing waste or to avoid the drilling of unnecessary wells, or to protect correlative rights, and the commission may enlarge the area covered by the order fixing drilling units, if the commission determines that the common source of supply underlies an area not covered by the order.
- (5) After an order fixing drilling units has been entered by the commission, the commencement of drilling of any well into any common source of supply for the purpose of producing oil or gas therefrom, at a location other than authorized by the order, is prohibited. The operation of any well drilled in violation of an order fixing drilling units is prohibited.
- (6) When two or more separately owned tracts are embraced within a drilling unit, or when there are separately owned interests in all or a part of the drilling unit, then persons owning such interests may pool their interests for the development and operation of the drilling unit. In the absence of voluntary pooling, the commission, upon the application of any interested person, may enter an order pooling all interests in the drilling unit for the development and operation thereof. Each such pooling order shall be made after notice and hearing and shall be upon terms and conditions that are just and reasonable, and that afford to the owner of each tract or interest in the drilling unit the opportunity to recover or receive, without unnecessary expense, his just and equitable share. Operations incident to the drilling of a well upon any portion of a unit covered by a pooling order shall be deemed for all purposes to be the conduct of such operations upon each separately owned tract in the unit by the several owners thereof. That portion of the production allocated or applicable to each tract included in a unit covered by a pooling order shall, when produced, be deemed for all purposes to have been produced from such tract by a well drilled thereon.
- (7)(a) Each such pooling order shall make provision for the drilling of a well on the drilling unit, if not already drilled, for the operation thereof, and for the payment of the reasonable actual cost thereof, including a reasonable charge for supervision and storage. Except as provided in paragraph (c) of this subsection (7), as to each nonconsenting owner who refuses to agree to bear his proportionate share of the costs and risks of drilling and operating the well, the order shall provide for reimbursement to the consenting owners who pay for the drilling and operation of the well of the nonconsenting owner's share of the costs and risks of such drilling and operating out of, and only out of, production from the unit representing his interest, excluding royalty or other interest not obligated to pay any part of the cost thereof. In the event of any dispute as to such costs, the commission shall determine the proper costs as specified in paragraph (b) of this subsection (7). The order shall determine the interest of each owner in the unit and shall provide that each consenting owner is entitled to receive, subject to royalty or similar obligations, the share of the production of the well applicable to his interest in the drilling unit and, unless he has agreed otherwise, his proportionate part of the nonconsenting owner's share of such production until costs are recovered and that each nonconsenting owner is entitled to own and to receive the share of the production applicable to his interest in the unit after the consenting owners have recovered the nonconsenting owner's share out of production.
- (b) Upon the determination of the commission, proper costs recovered by the consenting owners of a drilling unit from the nonconsenting owner's share of production from such a unit shall be as follows:
- (I) One hundred percent of the nonconsenting owner's share of the cost of surface equipment beyond the wellhead connections (including, but not limited to, stock tanks, separators, treaters, pumping equipment, and piping) plus one hundred percent of the nonconsenting owner's share of the cost of operation of the well commencing with first production and continuing until the consenting owners have recovered such costs. It is the intent that the nonconsenting

owner's share of these costs of equipment and operation will be that interest which would have been chargeable to the nonconsenting owner had he initially agreed to pay his share of the costs of the well from the beginning of the operation.

- (II) Two hundred percent of that portion of the costs and expenses of staking, well site preparation, obtaining rights-of-way, rigging up, drilling, reworking, deepening or plugging back, testing, and completing the well, after deducting any cash contributions received by the consenting owners, and two hundred percent of that portion of the cost of equipment in the well, including the wellhead connections.
- (c) A nonconsenting owner of a tract in a drilling unit which is not subject to any lease or other contract for the development thereof for oil and gas shall be deemed to have a landowner's proportionate royalty of twelve and one-half percent until such time as the consenting owners recover, only out of the nonconsenting owner's proportionate seven-eighths share of production, the costs specified in paragraph (b) of this subsection (7). After recovery of such costs, the nonconsenting owner shall then own his proportionate eight-eighths share of the well, surface facilities, and production and then be liable for further costs as if he had originally agreed to drilling of the well.
- (d) No order pooling an unleased nonconsenting mineral owner shall be entered by the commission under the provisions of subsection (6) of this section over protest of such owner until the commission shall have received evidence that such unleased mineral owner shall have been tendered a reasonable offer to lease upon terms no less favorable than those currently prevailing in the area at the time application for such order is made and that such unleased mineral owner shall have been furnished in writing such owner's share of the estimated drilling and completion cost of the well, the location and objective depth of the well, and the estimated spud date for the well or range of time within which spudding is to occur. During the period of cost recovery provided in this subsection (7), the commission shall retain jurisdiction to determine the reasonableness of costs of operation of the well attributable to the interest of such nonconsenting owner.
- (8) The operator of a well under a pooling order in which there is a nonconsenting owner shall furnish the nonconsenting owner with a monthly statement of all costs incurred, together with the quantity of oil or gas produced, and the amount of proceeds realized from the sale of production during the preceding month. If the consenting owners recover the costs specified in subsection (7) of this section, the nonconsenting owner shall own the same interest in the well and the production therefrom, and be liable for the further costs of the operation, as if he had participated in the initial drilling operation.

Credits

Amended by Laws 1977, S.B.113, § 1, eff. June 1, 1977; Laws 1981, S.B.211, § 1, eff. July 1, 1981; Laws 1988, S.B.65, § 1, eff. April 4, 1988; Laws 1991, S.B.91-87, § 1, eff. April 19, 1991.

Notes of Decisions (6)

C. R. S. A. § 34-60-116, CO ST § 34-60-116

Current with immediately effective legislation through Ch. 256 of the Second Regular Session of the 71st General Assembly (2018)

End of Document

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Docket Nos. 171000695 & 171200774 Boulder County EXHIBIT M

2018 Colo. Legis. Serv. Ch. 361 (S.B. 18-230) (WEST)

COLORADO 2018 LEGISLATIVE SERVICE

Seventy-First General Assembly, Second Regular Session

Additions are indicated by **Text**; deletions by **Text**.

Vetoes are indicated by **Text**; stricken material by **Text**.

CHAPTER 361 S.B. 18–230 OIL AND GAS—DRILLING—POOLS

AN ACT CONCERNING MODIFICATION OF THE LAWS GOVERNING THE ESTABLISHMENT OF DRILLING UNITS FOR OIL AND GAS WELLS, AND, IN CONNECTION THEREWITH, CLARIFYING THAT A DRILLING UNIT MAY INCLUDE MORE THAN ONE WELL, PROVIDING LIMITED IMMUNITY TO NONCONSENTING OWNERS SUBJECT TO POOLING ORDERS, ADJUSTING COST RECOVERY FROM NONCONSENTING OWNERS, AND MODIFYING THE CONDITIONS UPON WHICH A POOLING ORDER MAY BE ENTERED.

Be it Enacted by the General Assembly of the State of Colorado:

SECTION 1. In Colorado Revised Statutes, 34–60–116, amend (1), (3), (7), and (8) as follows:

<< CO ST § 34–60–116 >>

- **34–60–116. Drilling units—pooling interests.** (1) To prevent or to assist in preventing waste, to avoid the drilling of unnecessary wells, or to protect correlative rights, the commission, upon its own motion or on a proper application of an interested party, but after notice and hearing as provided in this section, has the power to may establish one or more drilling units of specified and approximately uniform size and shape covering any pool or portion of a pool.
- (3) The order establishing drilling units shall permit only one well a drilling unit may authorize one or more wells to be drilled and produced from the common source of supply on a drilling unit. and shall specify the location of the permitted well thereon, with such exception for the location of the permitted well as may be reasonably necessary for wells already drilled or where it is shown upon application, notice, and hearing, and the commission finds, that the drilling unit is located partly outside the pool or field and adjacent to a producing unit, or, for some other reason, the requirement to drill the well at the authorized location on the unit would be inequitable or unreasonable. The commission shall take such action as will offset any advantage which the person securing the exception may have over other producers by reason of the drilling of the well as an exception, and include in the order suitable provisions to prevent the production from the drilling unit of more than its just and equitable share of the oil and gas in the pool.
- (7)(a) Each such pooling order shall must:
- (I) Make provision for the drilling of a well one or more wells on the drilling unit, if not already drilled, for the operation thereof of the wells, and for the payment of the reasonable actual cost thereof of the wells, including a reasonable charge for supervision and storage. Except as provided in paragraph (e) of this subsection (7) (7)(c) of this section, as to each nonconsenting owner who refuses to agree to bear his a proportionate share of the costs and risks of drilling

and operating the wells, the order shall must provide for reimbursement to the consenting owners who pay for the drilling and operation of the well the costs of the nonconsenting owner's proportionate share of the costs and risks of such drilling and operating out of, and only out of, production from the unit representing his the owner's interest, excluding royalty or other interest not obligated to pay any part of the cost thereof, if and to the extent that the royalty is consistent with the lease terms prevailing in the area and is not designed to avoid the recovery of costs provided for in subsection (7)(b) of this section. In the event of any dispute as to such the costs, the commission shall determine the proper costs as specified in paragraph (b) of this subsection (7). The order shall subsection (7)(b) of this section.

- (II) Determine the interest of each owner in the unit and shall provide that each consenting owner is entitled to receive, subject to royalty or similar obligations, the share of the production of the well from the wells applicable to his the owner's interest in the drilling unit wells and, unless he the owner has agreed otherwise, his a proportionate part of the nonconsenting owner's share of such the production until costs are recovered and that each nonconsenting owner is entitled to own and to receive the share of the production applicable to his the owner's interest in the unit after the consenting owners have recovered the nonconsenting owner's share of the costs out of production; and
- (III) Specify that a nonconsenting owner is immune from liability for costs arising from spills, releases, damage, or injury resulting from oil and gas operations on the drilling unit.
- (b) Upon the determination of the commission, proper costs recovered by the consenting owners of a drilling unit from the nonconsenting owner's share of production from such a unit shall be as follows:
- (I) One hundred percent of the nonconsenting owner's share of the cost of surface equipment beyond the wellhead connections, including but not limited to, stock tanks, separators, treaters, pumping equipment, and piping, plus one hundred percent of the nonconsenting owner's share of the cost of operation of the well or wells commencing with first production and continuing until the consenting owners have recovered such costs. It is the intent that the nonconsenting owner's share of these costs of equipment and operation will be that interest which that would have been chargeable to the nonconsenting owner had he the owner initially agreed to pay his the owner's share of the costs of the well or wells from the beginning of the operation.
- (II) Two hundred percent of that portion of the costs and expenses of staking, well site preparation, obtaining rights-of-way, rigging up, drilling, reworking, deepening or plugging back, testing, and completing the well, after deducting any cash contributions received by the consenting owners, and two hundred percent of that portion of the cost of equipment in the well, including the wellhead connections.
- (c) A nonconsenting owner of a tract in a drilling unit which that is not subject to any lease or other contract for the development thereof for oil and gas shall be deemed to have a landowner's proportionate royalty of twelve and one-half percent until such time as the consenting owners recover, only out of the nonconsenting owner's proportionate seven-eighths share of production, the costs specified in paragraph (b) of this subsection (7) (7)(b) of this section. After recovery of such the costs, the nonconsenting owner shall then own owns his or her full proportionate eight-eighths share of the well wells, surface facilities, and production and then be is liable for further costs as if he the owner had originally agreed to drilling of the well wells.
- (d)(I) No An order pooling an unleased nonconsenting mineral owner shall not be entered by the commission under the provisions of subsection (6) of this section over protest of such the owner until unless the commission shall have has received evidence that such the unleased mineral owner shall have has been tendered, no less than sixty days before the hearing, a reasonable offer to lease upon terms no less favorable than those currently prevailing in the area at the time application for such the order is made and that such unleased mineral owner shall have has been furnished in writing such the owner's share of the estimated drilling and completion cost of the well wells, the location and objective depth of the well wells, and the estimated spud date for the well wells or range of time within which spudding is to occur.

The offer must include a copy of or link to a brochure supplied by the commission that clearly and concisely describes the pooling procedures specified in this section and the mineral owner's options pursuant to those procedures.

- (II) During the period of cost recovery provided in this subsection (7), the commission shall retain retains jurisdiction to determine the reasonableness of costs of operation of the well wells attributable to the interest of such the nonconsenting owner.
- (8) The operator of a well wells under a pooling order in which there is a nonconsenting owner shall furnish the nonconsenting owner with a monthly statement of all costs incurred, together with the quantity of oil or gas produced, and the amount of proceeds realized from the sale of production during the preceding month. If the consenting owners recover the costs specified in subsection (7) of this section, the nonconsenting owner shall own the same interest in the well wells and the production therefrom, and be liable for the further costs of the operation, as if he the owner had participated in the initial drilling operation operations.

<< Note: CO ST § 34–60–116 >>

SECTION 2. **Effective date—applicability.** This act takes effect July 1, 2018, and applies to conduct occurring on or after said date.

SECTION 3. **Safety clause.** The general assembly hereby finds, determines, and declares that this act is necessary for the immediate preservation of the public peace, health, and safety.

Approved June 1, 2018.

End of Document

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BCCP Agricultural Lands of Importance Docket Nos. 171000695

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