

BEFORE THE INDUSTRIAL COMMISSION
OF THE STATE OF NORTH DAKOTA

CASE NO. 19794
(CONTINUED)
ORDER NO. 22101

IN THE MATTER OF A HEARING CALLED ON
A MOTION OF THE COMMISSION TO
CONSIDER THE APPLICATION OF MUREX
PETROLEUM CORP. TO CONSIDER THE
TEMPORARY SPACING TO DEVELOP AN OIL
AND/OR GAS POOL DISCOVERED BY THE
LORI ANN #4-9H WELL LOCATED IN LOT 2 OF
SECTION 4, T.161N., R.101W., DIVIDE
COUNTY, ND, DEFINE THE LIMITS OF THE
FIELD, AND ENACT SUCH SPECIAL FIELD
RULES AS MAY BE NECESSARY.

TEMPORARY ORDER OF THE COMMISSION

THE COMMISSION FINDS:

(1) This cause originally came on for hearing at 9:00 a.m. on the 27th day of March, 2013. At that time, counsel for Murex Petroleum Corporation (Murex) requested this case be continued to the regularly scheduled hearing in April, 2013. There were no objections, the hearing officer granted the request, and this case was scheduled for hearing on April 24, 2013.

(2) The witness for Murex provided telephonic testimony in this matter pursuant to North Dakota Administrative Code (NDAC) Section 43-02-03-88.2. A Telephonic Communication Affidavit was received on May 1, 2013; therefore, such testimony may be considered evidence.

(3) The Lori Ann #4-9H well (File No. 24485), with a surface location 250 feet from the north line and 2000 feet from the east line of Section 4, Township 161 North, Range 101 West, Divide County, North Dakota (Section 4), was drilled horizontally through the Bakken Pool on a 1280-acre drilling unit, described as Section 4 and Section 9, Township 161 North, Range 101 West, Divide County, North Dakota (Section 9), pursuant to Order No. 14497.

(4) The Lori Ann #4-9H well was drilled as a single-lateral horizontal well in the middle member of the Bakken Formation to a bottom hole location approximately 246 feet from the south line and 2060 feet from the east line of Section 9.

(5) Section 4 is within the former Writing Rock Field.

(6) The Lori Ann #4-9H well discovered the Writing Rock-Bakken Pool.

(7) Murex requested the following lands be included in the field established for the Lori Ann #4-9H well:

TOWNSHIP 162 NORTH, RANGE 102 WEST, 5TH PM

ALL OF SECTIONS 25 AND 36,

TOWNSHIP 162 NORTH, RANGE 101 WEST, 5TH PM

ALL OF SECTIONS 3, 4, 5, 8, 9, 10, 17, 18, 19, 20, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 AND 36,

TOWNSHIP 161 NORTH, RANGE 102 WEST, 5TH PM

ALL OF SECTIONS 1, 2, 3, 4, 9, 10, 11, 12, 13, 14, 15, 16, 21, 22, 23, 24, 25, 26, 27, 28, 33, 34, 35 AND 36,

TOWNSHIP 161 NORTH, RANGE 101 WEST, 5TH PM

ALL OF SECTIONS 1 THROUGH 36, INCLUSIVE,

TOWNSHIP 161 NORTH, RANGE 100 WEST, 5TH PM

ALL OF SECTIONS 1 THROUGH 36, INCLUSIVE,

TOWNSHIP 160 NORTH, RANGE 101 WEST, 5TH PM

ALL OF SECTIONS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23 AND 24.

(8) Murex requested standup 1280-acre spacing with up to eight horizontal wells allowed in the Bakken Pool be established for the field and pool established for the Lori Ann #4-9H well.

(9) Murex plans to develop other standup 1280-acre spacing units by drilling eight horizontal wells parallel to the long axis of the spacing unit, four in the middle member of the Bakken Formation alternating with four in the upper Three Forks Formation. The horizontal well design proposed may be preliminary and could be changed for various reasons which is permissible as long as the horizontal well design still justifies the spacing unit.

(10) Murex requested any tool error in the directional survey equipment when calculating the bottom hole location of any horizontal lateral drilled in the spacing units be waived. The Commission enforces a policy which requires measurement inaccuracies in the directional survey equipment be considered when the angle between the horizontal lateral and the corresponding spacing unit boundary is ten degrees or less. Waiving potential tool error in the directional survey equipment when calculating the bottom hole location of any horizontal lateral in spacing units which allow multiple horizontal wells will allow said spacing units to be more efficiently developed.

(11) Sections 1 through 36, Township 161 North, Range 100 West, Divide County, North Dakota, are in the Alexandria-Bakken Pool; therefore these lands will not be considered for spacing in Case No. 19794.

(12) Sections 1 through 24, Township 160 North, Range 101 West, Divide County, North Dakota, are in the Sioux Trail-Bakken Pool; therefore these lands will not be considered for spacing in Case No. 19794.

(13) Order No. 14497 entered in Case No. 12245, also established Sections 1 and 12; Sections 2 and 11; Sections 3 and 10; Sections 5 and 8; Sections 6 and 7; Sections 13 and 24; Sections 14 and 23; Sections 15 and 22; Sections 16 and 21; Sections 17 and 20; Sections 18 and 19; Sections 25 and 36; Sections 26 and 35; Sections 27 and 34; Sections 28 and 33; Sections 29 and 32; and Sections 30 and 31, Township 161 North, Range 101 West, Divide County, North Dakota, as standup 1280-acre drilling units for the exclusive purpose of drilling one horizontal well within each said drilling unit within the Bakken Pool. These drilling units will be included as spacing units in the Writing Rock-Bakken Pool.

The Murex #2-11H Holice well (File No. 25714) is a horizontal well permitted in the Bakken Pool in the drilling unit described as said Sections 2 and 11. The Murex #22-15H Lisa Marie well (File No. 24480) is a horizontal well drilling in the Bakken Pool in the drilling unit described as said Sections 15 and 22.

(14) The Commission does not as a matter of practice, establish pools without prior establishment of production in the field. However, in order to ease confusion and provide for orderly development in the area, the Fortuna-Bakken Pool should be established to prevent waste, avoid the drilling of unnecessary wells, and protect correlative rights. The operator of the first producing well in the Fortuna-Bakken Pool should submit exhibits to be included in the record for this case similar to those typically submitted in a temporary spacing hearing, subsequent to completing the first producing well in the Fortuna-Bakken Pool.

(15) Order No. 14497 entered in Case No. 12245, also established Sections 1 and 12; Sections 2 and 11; Sections 3 and 10; Sections 4 and 9; Sections 5 and 8; Sections 6 and 7; Sections 13 and 24; Sections 14 and 23; Sections 15 and 22; Sections 16 and 21; Sections 17 and 20; Sections 18 and 19; Sections 25 and 36; Sections 26 and 35; Sections 27 and 34; Sections 28 and 33; Sections 29 and 32; and Sections 30 and 31, Township 162 North, Range 101 West, Divide County, North Dakota, as standup 1280-acre drilling units for the exclusive purpose of drilling one horizontal well within each said drilling unit within the Bakken Pool. These drilling units will be included as spacing units in the Fortuna-Bakken Pool.

The Mountain Divide, LLC (Mountain Divide) #2-11S-1H Olson well (File No. 25668) is a horizontal well permitted in the Bakken Pool in the drilling unit described as said Sections 2 and 11. The Mountain Divide #3-10-1H Leininger well (File No. 24185) is a horizontal well drilling in the Bakken Pool in the drilling unit described as said Sections 3 and 10. The Murex #4-9H Keri Elizabeth well (File No. 24587) is a horizontal well permitted in the Bakken Pool in the drilling unit described as said Sections 4 and 9. The Mountain Divide #5-8-1H Wigness well (File No. 23900) is a horizontal well drilling in the Bakken Pool in the drilling unit described as said Sections 5 and 8. The Mountain Divide #7-6-1H Heckman well (File No. 25664) is a horizontal well permitted in the Bakken Pool in the drilling unit described as said Sections 6 and 7. The Murex #15-22H Trina Diane well (File No. 25614) is a horizontal well permitted in the Bakken Pool in the drilling unit described as said Sections 15 and 22. The Murex #16-21H Jennifer Abigail well (File No. 24642) is a horizontal well permitted in the Bakken Pool in the drilling unit described as said Sections 16 and 21. The Murex #17-20H Lacey Marie well (File No. 25715) is a horizontal well permitted in the

Bakken Pool in the drilling unit described as said Sections 17 and 20. The Murex #34-27H Deanna Marie well (File No. 25713) is a horizontal well permitted in the Bakken Pool in the drilling unit described as said Sections 27 and 34. The Murex #32-29H Marcelo Manuel well (File No. 25716) is a horizontal well permitted in the Bakken Pool in the drilling unit described as said Sections 29 and 32.

(16) The SE/4 of Section 25 and the NE/4 of Section 36, Township 162 North, Range 102 West, Divide County, North Dakota, are within the former Clinton Field.

(17) The Commission does not as a matter of practice, establish pools without prior establishment of production in the field. However, in order to ease confusion and provide for orderly development in the area, the Clinton-Bakken Pool should be established to prevent waste, avoid the drilling of unnecessary wells, and protect correlative rights. The operator of the first producing well in the Clinton-Bakken Pool should submit exhibits to be included in the record for this case similar to those typically submitted in a temporary spacing hearing, subsequent to completing the first producing well in the Clinton-Bakken Pool.

(18) Order No. 14497 entered in Case No. 12245, also established Sections 25 and 36, Township 162 North, Range 102 West, Divide County, North Dakota, as a standup 1280-acre drilling unit for the exclusive purpose of drilling one horizontal well within said drilling unit within the Bakken Pool. This drilling unit will be included as a spacing unit in the Clinton-Bakken Pool.

The Crescent Point Energy US Corporation #25-36-162N-102W CPEC Marino well (File No. 24710) is a horizontal well permitted in the Bakken Pool in the drilling unit described as said Sections 25 and 36.

(19) The Commission does not as a matter of practice, establish pools without prior establishment of production in the field. However, in order to ease confusion and provide for orderly development in the area, the Daneville-Bakken Pool should be established to prevent waste, avoid the drilling of unnecessary wells, and protect correlative rights. The operator of the first producing well in the Daneville-Bakken Pool should submit exhibits to be included in the record for this case similar to those typically submitted in a temporary spacing hearing, subsequent to completing the first producing well in the Daneville-Bakken Pool.

(20) Order No. 14497 entered in Case No. 12245, also established Sections 1 and 12; Sections 2 and 11; Sections 3 and 10; Sections 4 and 9; Sections 5 and 8; Sections 6 and 7; Sections 13 and 24; Sections 14 and 23; Sections 15 and 22; Sections 16 and 21; Sections 17 and 20; Sections 18 and 19; Sections 25 and 36; Sections 26 and 35; Sections 27 and 34; Sections 28 and 33; Sections 29 and 32; and Sections 30 and 31, Township 161 North, Range 102 West, Divide County, North Dakota, as standup 1280-acre drilling units for the exclusive purpose of drilling one horizontal well within each said drilling unit within the Bakken Pool. These drilling units will be included as spacing units in the Daneville-Bakken Pool. There are no wells currently permitted to or producing from the Bakken Pool in said drilling units.

(21) Order No. 16714 entered in Case No. 14437, established Sections 25 and 36, Township 161 North, Range 103 West, Divide County, North Dakota, as a standup 1280-acre drilling unit for the exclusive purpose of drilling one horizontal well within said drilling unit within the Bakken

Pool. This drilling unit will be included as a spacing unit in the Daneville-Bakken Pool. There are no wells currently permitted to or producing from the Bakken Pool is said drilling unit.

(22) The Commission will take administrative notice of the testimony given in Case No. 12246 which was scheduled on a motion of the Commission to consider amending the current Bakken Pool field rules to eliminate or reduce the setbacks currently established for the heel and toe of horizontal wells in North Dakota, and such other relief as is appropriate, heard on March 23, 2010. Order No. 14498 entered in Case No. 12246 amended all current 660 or 500-foot setback requirements in any established Bakken Pool spacing unit or drilling unit relative to the heel and toe of a horizontal well to 200 feet.

(23) Geological and engineering evidence and testimony presented to the Commission relative to the matter of well spacing indicates the Writing Rock, Fortuna, and Daneville-Bakken Pools, as classified and defined in this order, should be developed on a pattern of one horizontal well per 1280 acres in Zone I, and up to eight horizontal wells per 1280 acres in Zone II, for the effective, economical, and efficient recovery of oil from said pools, to assure rapid development and provide maximum ultimate recovery, to avoid the drilling of unnecessary wells, and to prevent waste in a manner that will protect correlative rights.

(24) Geological and engineering evidence and testimony presented to the Commission relative to the matter of well spacing indicates the Clinton-Bakken Pool, as classified and defined in this order, should be developed on a pattern of one horizontal well per 1280 acres, for the effective, economical, and efficient recovery of oil from said pools, to assure rapid development and provide maximum ultimate recovery, to avoid the drilling of unnecessary wells, and to prevent waste in a manner that will protect correlative rights.

(25) There were no objections in this matter.

(26) Certain special field rules for the Writing Rock, Fortuna, Clinton, and Daneville-Bakken Pools are necessary to prevent waste and protect against the contamination and pollution of surface lands and fresh waters.

IT IS THEREFORE ORDERED:

(1) Order No. 14497 as it pertains to Sections 25 and 36, Township 162 North, Range 102 West; Sections 1 and 12; Sections 2 and 11; Sections 3 and 10; Sections 4 and 9; Sections 5 and 8; Sections 6 and 7; Sections 13 and 24; Sections 14 and 23; Sections 15 and 22; Sections 16 and 21; Sections 17 and 20; Sections 18 and 19; Sections 25 and 36; Sections 26 and 35; Sections 27 and 34; Sections 28 and 33; Sections 29 and 32; and Sections 30 and 31, Township 162 North, Range 101 West; Sections 1 and 12; Sections 2 and 11; Sections 3 and 10; Sections 4 and 9; Sections 5 and 8; Sections 6 and 7; Sections 13 and 24; Sections 14 and 23; Sections 15 and 22; Sections 16 and 21; Sections 17 and 20; Sections 18 and 19; Sections 25 and 36; Sections 26 and 35; Sections 27 and 34; Sections 28 and 33; Sections 29 and 32; and Sections 30 and 31, Township 161 North, Range 102 West; Sections 1 and 12; Sections 2 and 11; Sections 3 and 10; Sections 4 and 9; Sections 5 and 8; Sections 6 and 7; Sections 13 and 24; Sections 14 and 23; Sections 15 and 22; Sections 16 and 21; Sections 17 and 20; Sections 18 and 19; Sections 25 and 36; Sections 26 and 35; Sections 27 and 34; Sections 28 and 33; Sections 29 and 32; and Sections 30 and 31, Township 161 North, Range 101 West, Divide County, North Dakota, is hereby rescinded.

(2) Order No. 16714 as it pertains to Sections 25 and 36, Township 161 North, Range 103 West, Divide County, North Dakota, is hereby rescinded.

(3) Sections 30 and 31, Township 161 North, Range 101 West, Divide County, North Dakota, are hereby established as a standup 1280-acre spacing unit for the exclusive purpose of drilling one horizontal well within said spacing unit within the Writing Rock-Bakken Pool and Zone I is hereby created to include said spacing unit. Existing and future vertical and directional wells drilled within the spacing unit herein established shall not be subject to this order.

(4) Sections 1 and 12; Sections 2 and 11; Sections 3 and 10; Sections 4 and 9; Sections 5 and 8; Sections 6 and 7; Sections 13 and 24; Sections 14 and 23; Sections 15 and 22; Sections 16 and 21; Sections 17 and 20; Sections 18 and 19; Sections 25 and 36; Sections 26 and 35; Sections 27 and 34; Sections 28 and 33; and Sections 29 and 32, Township 161 North, Range 101 West, Divide County, North Dakota, are hereby established as standup 1280-acre spacing units for the exclusive purpose of drilling up to eight horizontal wells within each said spacing unit within the Writing Rock-Bakken Pool and Zone II is hereby created to include said spacing units. Existing and future vertical and directional wells drilled within the spacing units herein established shall not be subject to this order.

(5) Sections 25 and 36, Township 162 North, Range 102 West, Divide County, North Dakota, are hereby established as a standup 1280-acre spacing unit for the exclusive purpose of drilling one horizontal well within said spacing unit within the Clinton-Bakken Pool. Existing and future vertical and directional wells drilled within the spacing units herein established shall not be subject to this order.

(6) Sections 1 and 12; Sections 2 and 11; Sections 3 and 10; Sections 5 and 8; Sections 6 and 7; Sections 13 and 24; Sections 14 and 23; Sections 25 and 36; and Sections 26 and 35, Township 162 North, Range 101 West, Divide County, North Dakota, are hereby established as standup 1280-acre spacing units for the exclusive purpose of drilling one horizontal well within each said spacing unit within the Fortuna-Bakken Pool and Zone I is hereby created to include said spacing units. Existing and future vertical and directional wells drilled within the spacing units herein established shall not be subject to this order.

(7) Sections 4 and 9; Sections 15 and 22; Sections 16 and 21; Sections 17 and 20; Sections 18 and 19; Sections 27 and 34; Sections 28 and 33; Sections 29 and 32; and Sections 30 and 31, Township 162 North, Range 101 West, Divide County, North Dakota, are hereby established as standup 1280-acre spacing units for the exclusive purpose of drilling up to eight horizontal wells within each said spacing unit within the Fortuna-Bakken Pool and Zone II is hereby created to include said spacing units. Existing and future vertical and directional wells drilled within the spacing units herein established shall not be subject to this order.

(8) Sections 25 and 36, Township 161 North, Range 103 West; Sections 2 and 11; Sections 5 and 8; Sections 6 and 7; Sections 13 and 24; Sections 15 and 22; Sections 16 and 21; Sections 17 and 20; Sections 18 and 19; Sections 25 and 36; Sections 28 and 33; Sections 29 and 32; and Sections 30 and 31, Township 161 North, Range 102 West, Divide County, North Dakota, are hereby established as standup 1280-acre spacing units for the exclusive purpose of drilling one horizontal well within each said spacing unit within the Daneville-Bakken Pool and Zone I is

hereby created to include said spacing units. Existing and future vertical and directional wells drilled within the spacing units herein established shall not be subject to this order.

(9) Sections 1 and 12; Sections 3 and 10; Sections 4 and 9; Sections 14 and 23; Sections 26 and 35; and Sections 27 and 34, Township 161 North, Range 102 West, Divide County, North Dakota, are hereby established as standup 1280-acre spacing units for the exclusive purpose of drilling up to eight horizontal wells within each said spacing unit within the Daneville-Bakken Pool and Zone II is hereby created to include said spacing units. Existing and future vertical and directional wells drilled within the spacing units herein established shall not be subject to this order.

(10) The Director is hereby authorized to exercise continuing jurisdiction in this matter to determine whether a horizontal well proposed or drilled upon the 1280-acre spacing units herein established has justified the creation of such unit, to require amendments or modifications to the permit to drill for such horizontal well, and to deny a permit to drill in the event a well is proposed to be drilled in a manner inconsistent with the evidence that justified such spacing unit.

(11) The operator of the first producing well in the Clinton, Fortuna, and Daneville-Bakken Pools shall submit exhibits to be included in the record for this case, Case No. 19794, similar to those typically submitted in a temporary spacing hearing. Such exhibits must be submitted within 120 days after completing said wells.

(12) Provisions established herein for the Writing Rock-Bakken Pool are for the exclusive purpose of drilling horizontal wells. Existing and future vertical and directional wells drilled within the area defined in paragraph (13) below shall not be subject to this order.

(13) The Writing Rock Field is hereby redefined as the following described tracts of land in Divide County, North Dakota:

TOWNSHIP 161 NORTH, RANGE 101 WEST, 5TH PM
ALL OF SECTIONS 1 THROUGH 36, INCLUSIVE.

(14) The Writing Rock-Bakken Pool is hereby defined as the following described tracts of land in Divide County, North Dakota:

ZONE I (1280H-STANDUP)

TOWNSHIP 161 NORTH, RANGE 101 WEST, 5TH PM
ALL OF SECTIONS 30 AND 31.

ZONE II (8/1280H-STANDUP)

TOWNSHIP 161 NORTH, RANGE 101 WEST, 5TH PM
ALL OF SECTIONS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 32, 33, 34, 35 AND 36.

(15) The Writing Rock-Bakken Pool is hereby defined as that accumulation of oil and gas found in the interval from 50 feet above the top of the Bakken Formation to 50 feet below the top of the Three Forks Formation within the limits of the field as set forth above.

(16) The temporary spacing for the development of Zone I in the Writing Rock-Bakken Pool is hereby set at one horizontal well per standup 1280-acre spacing unit.

(17) All portions of the well bore not isolated by cement of any horizontal well in Zone I in the Writing Rock-Bakken Pool shall be no closer than 500 feet to the east or west boundary and 200 feet to the north or south boundary of the spacing unit. Measurement inaccuracies in the directional survey equipment need not be considered except when deemed necessary by the Director.

(18) Sections 30 and 31, Township 161 North, Range 101 West, Divide County, North Dakota, are hereby designated a standup 1280-acre spacing unit in Zone I in the Writing Rock-Bakken Pool.

(19) Spacing units hereafter created in Zone I in the Writing Rock-Bakken Pool shall be standup spacing units consisting of two adjacent governmental sections.

(20) Zone I in the Writing Rock-Bakken Pool shall not be extended except by further order of the Commission after due notice and hearing.

(21) The temporary spacing for the development of Zone II in the Writing Rock-Bakken Pool is hereby set at up to eight horizontal wells per standup 1280-acre spacing unit.

(22) All portions of the well bore not isolated by cement of any horizontal well in Zone II in the Writing Rock-Bakken Pool shall be no closer than 500 feet to the east or west boundary and 200 feet to the north or south boundary of the spacing unit. Measurement inaccuracies in the directional survey equipment when calculating the bottom hole location in a horizontal well need not be considered.

(23) Sections 1 and 12; Sections 2 and 11; Sections 3 and 10; Sections 4 and 9; Sections 5 and 8; Sections 6 and 7; Sections 13 and 24; Sections 14 and 23; Sections 15 and 22; Sections 16 and 21; Sections 17 and 20; Sections 18 and 19; Sections 25 and 36; Sections 26 and 35; Sections 27 and 34; Sections 28 and 33; and Sections 29 and 32, Township 161 North, Range 101 West, Divide County, North Dakota, are hereby designated standup 1280-acre spacing units in Zone II in the Writing Rock-Bakken Pool.

(24) Spacing units hereafter created in Zone II in the Writing Rock-Bakken Pool shall be standup spacing units consisting of two adjacent governmental sections.

(25) Zone II in the Writing Rock-Bakken Pool shall not be extended except by further order of the Commission after due notice and hearing.

(26) The operator of any horizontally drilled well in the Writing Rock-Bakken Pool shall cause to be made a directional survey of the well bore. The directional survey contractor shall file a certified survey with the Commission within 30 days after completion of the well in accordance with NDAC Section 43-02-03-25. The survey shall be of sufficient quality to enable the Commission to determine the entire completion location of the well and its terminus.

(27) The Director is hereby authorized to exercise continuing jurisdiction to determine whether any well proposed or drilled upon any spacing unit herein established has justified the creation of such unit, to require amendments or modifications to the permit to drill for such well, and to deny a permit to drill in the event a well is proposed to be drilled in a manner inconsistent with the evidence that justified the spacing requirements in the Writing Rock-Bakken Pool.

(28) The Commission shall have continuing jurisdiction in this matter and specifically reserves the authority, upon its own motion or the motion of any interested party, to: (1) review the spacing requirements for the Writing Rock-Bakken Pool; (2) determine whether the separate zones of spacing established herein are warranted; and, (3) make such further amendments or modifications to the spacing requirements for the Writing Rock-Bakken Pool as the Commission deems appropriate.

(29) No well shall be drilled or produced in the Writing Rock-Bakken Pool, as defined herein, except in conformity with the regulations above without special order of the Commission after due notice and hearing.

(30) The following rules concerning the casing, tubing and equipping of wells shall apply to the subsequent drilling and operation of wells in the Writing Rock-Bakken Pool:

- (a) The surface casing shall consist of new or reconditioned pipe that has been previously tested to 1000 pounds per square inch. The casing shall be set and cemented at a point not less than 50 feet below the base of the Fox Hills Formation. Sufficient cement shall be used to fill the annular space outside the pipe to the surface of the ground, or the bottom of the cellar, and sufficient scratchers and centralizers shall be used to assure a good cement job. Cement shall be allowed to stand a minimum of 12 hours before drilling the plug or initiating tests. The quality of cement shall conform to the standards provided under NDAC Section 43-02-03-21. After cementing, the casing shall be tested by application of pump pressure of at least 1500 pounds per square inch. If, at the end of 30 minutes this pressure has dropped 150 pounds per square inch or more, the casing shall be repaired. Thereafter, the casing shall again be tested in the same manner. Further work shall not proceed until a satisfactory test has been obtained;
- (b) The producing or oil string shall consist of new or reconditioned pipe that has been previously tested to 2000 pounds per square inch. Casing shall be set and cemented at a point not higher than the top of the producing formation, or at a point approved by the Director. Sufficient cement shall be used and applied in such a manner as to protect and isolate all formations containing oil and/or gas, protect the pipe through salt sections encountered, and isolate the Dakota-Lakota Series. The cement shall be allowed to stand a minimum of 15 hours before drilling the plug or initiating tests. The quality of cement shall conform to the standards provided under NDAC Section 43-02-03-21. After cementing, the casing shall be tested by application of pump pressure of at least 1500 pounds per square inch. If, at the end of 30 minutes this pressure has dropped 150 pounds per square inch or more, the casing shall be repaired. Thereafter, the casing shall

again be tested in the same manner. Further work shall not proceed until a satisfactory test has been obtained;

- (c) All well-head fittings and connections shall have a working pressure in excess of that to which they are expected to be subjected; and,
- (d) All wells shall be equipped with tubing; a tubing packer must also be utilized in flowing wells unless a waiver is obtained from the Director after demonstrating the casing will not be subjected to excessive pressure or corrosion; all tubing shall be of sufficient internal diameter to allow the passage of a bottom hole pressure gauge for the purpose of obtaining bottom hole pressure measurements.

(31) The gas-oil ratio of all wells not connected to a gas gathering system shall be measured annually during the month of May. The reservoir pressure shall be measured in any well completed in the Writing Rock-Bakken Pool if deemed necessary by the Director. Drill stem test pressures are acceptable for determining reservoir pressure. Pressure measurements shall be made at or adjusted to a subsea datum of 6150 feet. All gas-oil ratio and reservoir pressure determinations shall be made by methods approved by the Director and reported to the Director within 15 days following the end of the month in which they are determined. The Director is authorized to waive these requirements if the necessity therefore can be demonstrated to his satisfaction. All additional gas-oil ratio and reservoir pressure determinations conducted on any well, but not specially required herein, shall be reported to the Director within 15 days following the end of the month in which they are determined.

(32) No salt water, drilling mud, crude oil, or waste oil shall be stored in pits in this field, except in an emergency, and approved by the Director.

(33) For the purposes of division of production to owners of interests in spacing units established by this order, and proven productive prior to the date hereof, this order shall be retroactive to the date of first production.

(34) All wells in the Writing Rock-Bakken Pool shall be allowed to produce at a maximum efficient rate through August 30, 2013.

(35) After August 30, 2013, all wells in the Writing Rock-Bakken Pool shall be allowed to produce at a maximum efficient rate for a period of 60 days commencing on the first day oil is produced through well-head equipment into tanks from the ultimate producing interval after casing has been run; after that, oil production from such wells shall not exceed an average of 200 barrels per day for a period of 60 days; after that, oil production from such wells shall not exceed an average of 150 barrels per day for a period of 60 days, thereafter, oil production from such wells shall not exceed an average of 100 barrels of oil per day; if and when such wells are connected to a gas gathering and processing facility the foregoing restrictions shall be removed, and the wells shall be allowed to produce at a maximum efficient rate. The Director is authorized to issue an administrative order allowing unrestricted production at a maximum efficient rate for a period not to exceed 120 days, commencing on the first day oil is produced through well-head equipment into tanks from the ultimate producing interval after casing has been run, if the necessity therefor can be demonstrated to his satisfaction.

(36) If the flaring of gas produced with crude oil from the Writing Rock-Bakken Pool causes, or threatens to cause, degradation of ambient air quality, production from the pool shall be further restricted.

(37) This portion of this order shall cover all of the Writing Rock-Bakken Pool, common source of supply of crude oil and/or natural gas as herein defined, and continues in full force and effect until the 30th day of June, 2016. If the Writing Rock-Bakken Pool is still producing, the proper spacing for the pool will be considered by the Commission on or before its regularly scheduled hearing date in May, 2016. If, however, the Writing Rock-Bakken Pool is no longer producing when the proper spacing is to be considered, the Commission, at its own discretion, may refrain from scheduling a proper spacing hearing and may, without further notice, enter an order dismissing the proper spacing matter.

(38) The operator of the first producing well in the Clinton-Bakken Pool shall submit exhibits to be included in the record for this case, Case No. 19794, similar to those typically submitted in a temporary spacing hearing. Such exhibits must be submitted within 120 days after completing said well.

(39) Provisions established herein for the Clinton-Bakken Pool are for the exclusive purpose of drilling horizontal wells. Existing and future vertical and directional wells drilled within the area defined in paragraph (40) below shall not be subject to this order.

(40) The Clinton Field is hereby redefined as the following described tracts of land in Divide County, North Dakota:

TOWNSHIP 162 NORTH, RANGE 102 WEST, 5TH PM
ALL OF SECTIONS 25 AND 36.

(41) The Clinton-Bakken Pool is hereby defined as that accumulation of oil and gas found in the interval from 50 feet above the top of the Bakken Formation to 50 feet below the top of the Three Forks Formation within the limits of the field as set forth above.

(42) The temporary spacing for the development of the Clinton-Bakken Pool is hereby set at one horizontal well per standup 1280-acre spacing unit.

(43) All portions of the well bore not isolated by cement of any horizontal well in the Clinton-Bakken Pool shall be no closer than 500 feet to the east or west boundary and 200 feet to the north or south boundary of the spacing unit. Measurement inaccuracies in the directional survey equipment need not be considered except when deemed necessary by the Director.

(44) Sections 25 and 36, Township 162 North, Range 102 West, Divide County, North Dakota, are hereby designated a standup 1280-acre spacing unit in the Clinton-Bakken Pool.

(45) Spacing units hereafter created in the Clinton-Bakken Pool shall be standup spacing units consisting of two adjacent governmental sections.

(46) The Clinton-Bakken Pool shall not be extended except by further order of the Commission after due notice and hearing.

(47) The operator of any horizontally drilled well in the Clinton-Bakken Pool shall cause to be made a directional survey of the well bore. The directional survey contractor shall file a certified survey with the Commission within 30 days after completion of the well in accordance with NDAC Section 43-02-03-25. The survey shall be of sufficient quality to enable the Commission to determine the entire completion location of the well and its terminus.

(48) The Director is hereby authorized to exercise continuing jurisdiction to determine whether any well proposed or drilled upon any spacing unit herein established has justified the creation of such unit, to require amendments or modifications to the permit to drill for such well, and to deny a permit to drill in the event a well is proposed to be drilled in a manner inconsistent with the evidence that justified the spacing requirements in the Clinton-Bakken Pool.

(49) The Commission shall have continuing jurisdiction in this matter and specifically reserves the authority, upon its own motion or the motion of any interested party, to: (1) review the spacing requirements for the Clinton-Bakken Pool; and, (2) make such further amendments or modifications to the spacing requirements for the Clinton-Bakken Pool as the Commission deems appropriate.

(50) No well shall be drilled or produced in the Clinton-Bakken Pool, as defined herein, except in conformity with the regulations above without special order of the Commission after due notice and hearing.

(51) The following rules concerning the casing, tubing and equipping of wells shall apply to the subsequent drilling and operation of wells in the Clinton-Bakken Pool:

- (a) The surface casing shall consist of new or reconditioned pipe that has been previously tested to 1000 pounds per square inch. The casing shall be set and cemented at a point not less than 50 feet below the base of the Fox Hills Formation. Sufficient cement shall be used to fill the annular space outside the pipe to the surface of the ground, or the bottom of the cellar, and sufficient scratchers and centralizers shall be used to assure a good cement job. Cement shall be allowed to stand a minimum of 12 hours before drilling the plug or initiating tests. The quality of cement shall conform to the standards provided under NDAC Section 43-02-03-21. After cementing, the casing shall be tested by application of pump pressure of at least 1500 pounds per square inch. If, at the end of 30 minutes this pressure has dropped 150 pounds per square inch or more, the casing shall be repaired. Thereafter, the casing shall again be tested in the same manner. Further work shall not proceed until a satisfactory test has been obtained;
- (b) The producing or oil string shall consist of new or reconditioned pipe that has been previously tested to 2000 pounds per square inch. Casing shall be set and cemented at a point not higher than the top of the producing formation, or at a point approved by the Director. Sufficient cement shall be used and applied in such a manner as to protect and isolate all formations containing oil and/or gas, protect the pipe through salt sections encountered, and isolate the Dakota-Lakota Series. The cement shall be allowed to stand a minimum of 15 hours before

drilling the plug or initiating tests. The quality of cement shall conform to the standards provided under NDAC Section 43-02-03-21. After cementing, the casing shall be tested by application of pump pressure of at least 1500 pounds per square inch. If, at the end of 30 minutes this pressure has dropped 150 pounds per square inch or more, the casing shall be repaired. Thereafter, the casing shall again be tested in the same manner. Further work shall not proceed until a satisfactory test has been obtained;

- (c) All well-head fittings and connections shall have a working pressure in excess of that to which they are expected to be subjected; and,
- (d) All wells shall be equipped with tubing; a tubing packer must also be utilized in flowing wells unless a waiver is obtained from the Director after demonstrating the casing will not be subjected to excessive pressure or corrosion; all tubing shall be of sufficient internal diameter to allow the passage of a bottom hole pressure gauge for the purpose of obtaining bottom hole pressure measurements.

(52) The gas-oil ratio of all wells not connected to a gas gathering system shall be measured annually during the month of May. The reservoir pressure shall be measured in any well completed in the Clinton-Bakken Pool if deemed necessary by the Director. Drill stem test pressures are acceptable for determining reservoir pressure. Pressure measurements shall be made at or adjusted to a subsea datum of 6000 feet. All gas-oil ratio and reservoir pressure determinations shall be made by methods approved by the Director and reported to the Director within 15 days following the end of the month in which they are determined. The Director is authorized to waive these requirements if the necessity therefore can be demonstrated to his satisfaction. All additional gas-oil ratio and reservoir pressure determinations conducted on any well, but not specially required herein, shall be reported to the Director within 15 days following the end of the month in which they are determined.

(53) No salt water, drilling mud, crude oil, or waste oil shall be stored in pits in this field, except in an emergency, and approved by the Director.

(54) For the purposes of division of production to owners of interests in spacing units established by this order, and proven productive prior to the date hereof, this order shall be retroactive to the date of first production.

(55) All wells in the Clinton-Bakken Pool shall be allowed to produce at a maximum efficient rate through August 30, 2013.

(56) After August 30, 2013, all wells in the Clinton-Bakken Pool shall be allowed to produce at a maximum efficient rate for a period of 60 days commencing on the first day oil is produced through well-head equipment into tanks from the ultimate producing interval after casing has been run; after that, oil production from such wells shall not exceed an average of 200 barrels per day for a period of 60 days; after that, oil production from such wells shall not exceed an average of 150 barrels per day for a period of 60 days, thereafter, oil production from such wells shall not exceed an average of 100 barrels of oil per day; if and when such wells are connected to a gas gathering and processing facility the foregoing restrictions shall be removed, and the wells shall be allowed to produce at a maximum efficient rate. The Director is

authorized to issue an administrative order allowing unrestricted production at a maximum efficient rate for a period not to exceed 120 days, commencing on the first day oil is produced through well-head equipment into tanks from the ultimate producing interval after casing has been run, if the necessity therefor can be demonstrated to his satisfaction.

(57) If the flaring of gas produced with crude oil from the Clinton-Bakken Pool causes, or threatens to cause, degradation of ambient air quality, production from the pool shall be further restricted.

(58) This portion of this order shall cover all of the Clinton-Bakken Pool, common source of supply of crude oil and/or natural gas as herein defined, and continues in full force and effect until the 30th day of June, 2016. If the Clinton-Bakken Pool is still producing, the proper spacing for the pool will be considered by the Commission on or before its regularly scheduled hearing date in May, 2016. If, however, the Clinton-Bakken Pool is no longer producing when the proper spacing is to be considered, the Commission, at its own discretion, may refrain from scheduling a proper spacing hearing and may, without further notice, enter an order dismissing the proper spacing matter.

(59) The operator of the first producing well in the Fortuna-Bakken Pool shall submit exhibits to be included in the record for this case, Case No. 19794, similar to those typically submitted in a temporary spacing hearing. Such exhibits must be submitted within 120 days after completing said well.

(60) Provisions established herein for the Fortuna-Bakken Pool are for the exclusive purpose of drilling horizontal wells. Existing and future vertical and directional wells drilled within the area defined in paragraph (61) below shall not be subject to this order.

(61) The Fortuna Field is hereby redefined as the following described tracts of land in Divide County, North Dakota:

TOWNSHIP 162 NORTH, RANGE 101 WEST, 5TH PM
ALL OF SECTIONS 1 THROUGH 36, INCLUSIVE.

(62) The Fortuna-Bakken Pool is hereby defined as the following described tracts of land in Divide County, North Dakota:

ZONE I (1280H-STANDUP)

TOWNSHIP 162 NORTH, RANGE 101 WEST, 5TH PM
ALL OF SECTIONS 1, 2, 3, 5, 6, 7, 8, 10, 11, 12, 13, 14, 23, 24, 25, 26, 35 AND 36.

ZONE II (8/1280H-STANDUP)

TOWNSHIP 162 NORTH, RANGE 101 WEST, 5TH PM
ALL OF SECTIONS 4, 9, 15, 16, 17, 18, 19, 20, 21, 22, 27, 28, 29, 30, 31, 32, 33 AND 34.

(63) The Fortuna-Bakken Pool is hereby defined as that accumulation of oil and gas found in the interval from 50 feet above the top of the Bakken Formation to 50 feet below the top of the Three Forks Formation within the limits of the field as set forth above.

(64) The temporary spacing for the development of Zone I in the Fortuna-Bakken Pool is hereby set at one horizontal well per standup 1280-acre spacing unit.

(65) All portions of the well bore not isolated by cement of any horizontal well in Zone I in the Fortuna-Bakken Pool shall be no closer than 500 feet to the east or west boundary and 200 feet to the north or south boundary of the spacing unit. Measurement inaccuracies in the directional survey equipment need not be considered except when deemed necessary by the Director.

(66) Sections 1 and 12; Sections 2 and 11; Sections 3 and 10; Sections 5 and 8; Sections 6 and 7; Sections 13 and 24; Sections 14 and 23; Sections 25 and 36; and Sections 26 and 35, Township 162 North, Range 101 West, Divide County, North Dakota, are hereby designated standup 1280-acre spacing units in Zone I in the Fortuna-Bakken Pool.

(67) Spacing units hereafter created in Zone I in the Fortuna-Bakken Pool shall be standup spacing units consisting of two adjacent governmental sections.

(68) Zone I in the Fortuna-Bakken Pool shall not be extended except by further order of the Commission after due notice and hearing.

(69) The temporary spacing for the development of Zone II in the Fortuna-Bakken Pool is hereby set at up to eight horizontal wells per standup 1280-acre spacing unit.

(70) All portions of the well bore not isolated by cement of any horizontal well in Zone II in the Fortuna-Bakken Pool shall be no closer than 500 feet to the east or west boundary and 200 feet to the north or south boundary of the spacing unit. Measurement inaccuracies in the directional survey equipment when calculating the bottom hole location in a horizontal well need not be considered.

(71) Sections 4 and 9; Sections 15 and 22; Sections 16 and 21; Sections 17 and 20; Sections 18 and 19; Sections 27 and 34; Sections 28 and 33; Sections 29 and 32; and Sections 30 and 31, Township 162 North, Range 101 West, Divide County, North Dakota, are hereby designated standup 1280-acre spacing units in Zone II in the Fortuna-Bakken Pool.

(72) Spacing units hereafter created in Zone II in the Fortuna-Bakken Pool shall be standup spacing units consisting of two adjacent governmental sections.

(73) Zone II in the Fortuna-Bakken Pool shall not be extended except by further order of the Commission after due notice and hearing.

(74) The operator of any horizontally drilled well in the Fortuna-Bakken Pool shall cause to be made a directional survey of the well bore. The directional survey contractor shall file a certified survey with the Commission within 30 days after completion of the well in accordance

with NDAC Section 43-02-03-25. The survey shall be of sufficient quality to enable the Commission to determine the entire completion location of the well and its terminus.

(75) The Director is hereby authorized to exercise continuing jurisdiction to determine whether any well proposed or drilled upon any spacing unit herein established has justified the creation of such unit, to require amendments or modifications to the permit to drill for such well, and to deny a permit to drill in the event a well is proposed to be drilled in a manner inconsistent with the evidence that justified the spacing requirements in the Fortuna-Bakken Pool.

(76) The Commission shall have continuing jurisdiction in this matter and specifically reserves the authority, upon its own motion or the motion of any interested party, to: (1) review the spacing requirements for the Fortuna-Bakken Pool; (2) determine whether the separate zones of spacing established herein are warranted; and, (3) make such further amendments or modifications to the spacing requirements for the Fortuna-Bakken Pool as the Commission deems appropriate.

(77) No well shall be drilled or produced in the Fortuna-Bakken Pool, as defined herein, except in conformity with the regulations above without special order of the Commission after due notice and hearing.

(78) The following rules concerning the casing, tubing and equipping of wells shall apply to the subsequent drilling and operation of wells in the Fortuna-Bakken Pool:

- (a) The surface casing shall consist of new or reconditioned pipe that has been previously tested to 1000 pounds per square inch. The casing shall be set and cemented at a point not less than 50 feet below the base of the Fox Hills Formation. Sufficient cement shall be used to fill the annular space outside the pipe to the surface of the ground, or the bottom of the cellar, and sufficient scratchers and centralizers shall be used to assure a good cement job. Cement shall be allowed to stand a minimum of 12 hours before drilling the plug or initiating tests. The quality of cement shall conform to the standards provided under NDAC Section 43-02-03-21. After cementing, the casing shall be tested by application of pump pressure of at least 1500 pounds per square inch. If, at the end of 30 minutes this pressure has dropped 150 pounds per square inch or more, the casing shall be repaired. Thereafter, the casing shall again be tested in the same manner. Further work shall not proceed until a satisfactory test has been obtained;
- (b) The producing or oil string shall consist of new or reconditioned pipe that has been previously tested to 2000 pounds per square inch. Casing shall be set and cemented at a point not higher than the top of the producing formation, or at a point approved by the Director. Sufficient cement shall be used and applied in such a manner as to protect and isolate all formations containing oil and/or gas, protect the pipe through salt sections encountered, and isolate the Dakota-Lakota Series. The cement shall be allowed to stand a minimum of 15 hours before drilling the plug or initiating tests. The quality of cement shall conform to the standards provided under NDAC Section 43-02-03-21. After cementing, the casing shall be tested by application of pump pressure of at least 1500 pounds per

square inch. If, at the end of 30 minutes this pressure has dropped 150 pounds per square inch or more, the casing shall be repaired. Thereafter, the casing shall again be tested in the same manner. Further work shall not proceed until a satisfactory test has been obtained;

- (c) All well-head fittings and connections shall have a working pressure in excess of that to which they are expected to be subjected; and,
- (d) All wells shall be equipped with tubing; a tubing packer must also be utilized in flowing wells unless a waiver is obtained from the Director after demonstrating the casing will not be subjected to excessive pressure or corrosion; all tubing shall be of sufficient internal diameter to allow the passage of a bottom hole pressure gauge for the purpose of obtaining bottom hole pressure measurements.

(79) The gas-oil ratio of all wells not connected to a gas gathering system shall be measured annually during the month of May. The reservoir pressure shall be measured in any well completed in the Fortuna-Bakken Pool if deemed necessary by the Director. Drill stem test pressures are acceptable for determining reservoir pressure. Pressure measurements shall be made at or adjusted to a subsea datum of 5800 feet. All gas-oil ratio and reservoir pressure determinations shall be made by methods approved by the Director and reported to the Director within 15 days following the end of the month in which they are determined. The Director is authorized to waive these requirements if the necessity therefore can be demonstrated to his satisfaction. All additional gas-oil ratio and reservoir pressure determinations conducted on any well, but not specially required herein, shall be reported to the Director within 15 days following the end of the month in which they are determined.

(80) No salt water, drilling mud, crude oil, or waste oil shall be stored in pits in this field, except in an emergency, and approved by the Director.

(81) For the purposes of division of production to owners of interests in spacing units established by this order, and proven productive prior to the date hereof, this order shall be retroactive to the date of first production.

(82) All wells in the Fortuna-Bakken Pool shall be allowed to produce at a maximum efficient rate through August 30, 2013.

(83) After August 30, 2013, all wells in the Fortuna-Bakken Pool shall be allowed to produce at a maximum efficient rate for a period of 60 days commencing on the first day oil is produced through well-head equipment into tanks from the ultimate producing interval after casing has been run; after that, oil production from such wells shall not exceed an average of 200 barrels per day for a period of 60 days; after that, oil production from such wells shall not exceed an average of 150 barrels per day for a period of 60 days, thereafter, oil production from such wells shall not exceed an average of 100 barrels of oil per day; if and when such wells are connected to a gas gathering and processing facility the foregoing restrictions shall be removed, and the wells shall be allowed to produce at a maximum efficient rate. The Director is authorized to issue an administrative order allowing unrestricted production at a maximum efficient rate for a period not to exceed 120 days, commencing on the first day oil is produced

through well-head equipment into tanks from the ultimate producing interval after casing has been run, if the necessity therefor can be demonstrated to his satisfaction.

(84) If the flaring of gas produced with crude oil from the Fortuna-Bakken Pool causes, or threatens to cause, degradation of ambient air quality, production from the pool shall be further restricted.

(85) This portion of this order shall cover all of the Fortuna-Bakken Pool, common source of supply of crude oil and/or natural gas as herein defined, and continues in full force and effect until the 30th day of June, 2016. If the Fortuna-Bakken Pool is still producing, the proper spacing for the pool will be considered by the Commission on or before its regularly scheduled hearing date in May, 2016. If, however, the Fortuna-Bakken Pool is no longer producing when the proper spacing is to be considered, the Commission, at its own discretion, may refrain from scheduling a proper spacing hearing and may, without further notice, enter an order dismissing the proper spacing matter.

(86) The operator of the first producing well in the Daneville-Bakken Pool shall submit exhibits to be included in the record for this case, Case No. 19794, similar to those typically submitted in a temporary spacing hearing. Such exhibits must be submitted within 120 days after completing said well.

(87) Provisions established herein for the Daneville-Bakken Pool are for the exclusive purpose of drilling horizontal wells. Existing and future vertical and directional wells drilled within the area defined in paragraph (88) below shall not be subject to this order.

(88) The Daneville Field is hereby redefined as the following described tracts of land in Divide County, North Dakota:

TOWNSHIP 161 NORTH, RANGE 103 WEST, 5TH PM
ALL OF SECTIONS 25 AND 36,

TOWNSHIP 161 NORTH, RANGE 102 WEST, 5TH PM
ALL OF SECTIONS 1 THROUGH 36, INCLUSIVE.

(89) The Daneville-Bakken Pool is hereby defined as the following described tracts of land in Divide County, North Dakota:

ZONE I (1280H-STANDUP)

TOWNSHIP 161 NORTH, RANGE 103 WEST, 5TH PM
ALL OF SECTIONS 25 AND 36,

TOWNSHIP 161 NORTH, RANGE 102 WEST, 5TH PM
ALL OF SECTIONS 2, 5, 6, 7, 8, 11, 13, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25, 28, 29, 30, 31, 32, 33 AND 36.

ZONE II (8/1280H-STANDUP)

TOWNSHIP 161 NORTH, RANGE 102 WEST, 5TH PM

ALL OF SECTIONS 1, 3, 4, 9, 10, 12, 14, 23, 26, 27, 34 AND 35.

(90) The Daneville-Bakken Pool is hereby defined as that accumulation of oil and gas found in the interval from 50 feet above the top of the Bakken Formation to 50 feet below the top of the Three Forks Formation within the limits of the field as set forth above.

(91) The temporary spacing for the development of Zone I in the Daneville-Bakken Pool is hereby set at one horizontal well per standup 1280-acre spacing unit.

(92) All portions of the well bore not isolated by cement of any horizontal well in Zone I in the Daneville-Bakken Pool shall be no closer than 500 feet to the east or west boundary and 200 feet to the north or south boundary of the spacing unit. Measurement inaccuracies in the directional survey equipment need not be considered except when deemed necessary by the Director.

(93) Sections 25 and 36, Township 161 North, Range 103 West; Sections 2 and 11; Sections 5 and 8; Sections 6 and 7; Sections 13 and 24; Sections 15 and 22; Sections 16 and 21; Sections 17 and 20; Sections 18 and 19; Sections 25 and 36; Sections 28 and 33; Sections 29 and 32; and Sections 30 and 31, Township 161 North, Range 102 West, Divide County, North Dakota, are hereby designated standup 1280-acre spacing units in Zone I in the Daneville-Bakken Pool.

(94) Spacing units hereafter created in Zone I in the Daneville-Bakken Pool shall be standup spacing units consisting of two adjacent governmental sections.

(95) Zone I in the Daneville-Bakken Pool shall not be extended except by further order of the Commission after due notice and hearing.

(96) The temporary spacing for the development of Zone II in the Daneville-Bakken Pool is hereby set at up to eight horizontal wells per standup 1280-acre spacing unit.

(97) All portions of the well bore not isolated by cement of any horizontal well in Zone II in the Daneville-Bakken Pool shall be no closer than 500 feet to the east or west boundary and 200 feet to the north or south boundary of the spacing unit. Measurement inaccuracies in the directional survey equipment when calculating the bottom hole location in a horizontal well need not be considered.

(98) Sections 1 and 12; Sections 3 and 10; Sections 4 and 9; Sections 14 and 23; Sections 26 and 35; and Sections 27 and 34, Township 161 North, Range 102 West, Divide County, North Dakota, are hereby designated standup 1280-acre spacing units in Zone II in the Daneville-Bakken Pool.

(99) Spacing units hereafter created in Zone II in the Daneville-Bakken Pool shall be standup spacing units consisting of two adjacent governmental sections.

(100) Zone II in the Daneville-Bakken Pool shall not be extended except by further order of the Commission after due notice and hearing.

(101) The operator of any horizontally drilled well in the Daneville-Bakken Pool shall cause to be made a directional survey of the well bore. The directional survey contractor shall file a certified survey with the Commission within 30 days after completion of the well in accordance with NDAC Section 43-02-03-25. The survey shall be of sufficient quality to enable the Commission to determine the entire completion location of the well and its terminus.

(102) The Director is hereby authorized to exercise continuing jurisdiction to determine whether any well proposed or drilled upon any spacing unit herein established has justified the creation of such unit, to require amendments or modifications to the permit to drill for such well, and to deny a permit to drill in the event a well is proposed to be drilled in a manner inconsistent with the evidence that justified the spacing requirements in the Daneville-Bakken Pool.

(103) The Commission shall have continuing jurisdiction in this matter and specifically reserves the authority, upon its own motion or the motion of any interested party, to: (1) review the spacing requirements for the Daneville-Bakken Pool; (2) determine whether the separate zones of spacing established herein are warranted; and, (3) make such further amendments or modifications to the spacing requirements for the Daneville-Bakken Pool as the Commission deems appropriate.

(104) No well shall be drilled or produced in the Daneville-Bakken Pool, as defined herein, except in conformity with the regulations above without special order of the Commission after due notice and hearing.

(105) The following rules concerning the casing, tubing and equipping of wells shall apply to the subsequent drilling and operation of wells in the Daneville-Bakken Pool:

- (a) The surface casing shall consist of new or reconditioned pipe that has been previously tested to 1000 pounds per square inch. The casing shall be set and cemented at a point not less than 50 feet below the base of the Fox Hills Formation. Sufficient cement shall be used to fill the annular space outside the pipe to the surface of the ground, or the bottom of the cellar, and sufficient scratchers and centralizers shall be used to assure a good cement job. Cement shall be allowed to stand a minimum of 12 hours before drilling the plug or initiating tests. The quality of cement shall conform to the standards provided under NDAC Section 43-02-03-21. After cementing, the casing shall be tested by application of pump pressure of at least 1500 pounds per square inch. If, at the end of 30 minutes this pressure has dropped 150 pounds per square inch or more, the casing shall be repaired. Thereafter, the casing shall again be tested in the same manner. Further work shall not proceed until a satisfactory test has been obtained;
- (b) The producing or oil string shall consist of new or reconditioned pipe that has been previously tested to 2000 pounds per square inch. Casing shall be set and cemented at a point not higher than the top of the producing formation, or at a point approved by the Director. Sufficient cement shall be used and applied in

such a manner as to protect and isolate all formations containing oil and/or gas, protect the pipe through salt sections encountered, and isolate the Dakota-Lakota Series. The cement shall be allowed to stand a minimum of 15 hours before drilling the plug or initiating tests. The quality of cement shall conform to the standards provided under NDAC Section 43-02-03-21. After cementing, the casing shall be tested by application of pump pressure of at least 1500 pounds per square inch. If, at the end of 30 minutes this pressure has dropped 150 pounds per square inch or more, the casing shall be repaired. Thereafter, the casing shall again be tested in the same manner. Further work shall not proceed until a satisfactory test has been obtained;

- (c) All well-head fittings and connections shall have a working pressure in excess of that to which they are expected to be subjected; and,
- (d) All wells shall be equipped with tubing; a tubing packer must also be utilized in flowing wells unless a waiver is obtained from the Director after demonstrating the casing will not be subjected to excessive pressure or corrosion; all tubing shall be of sufficient internal diameter to allow the passage of a bottom hole pressure gauge for the purpose of obtaining bottom hole pressure measurements.

(106) The gas-oil ratio of all wells not connected to a gas gathering system shall be measured annually during the month of May. The reservoir pressure shall be measured in any well completed in the Daneville-Bakken Pool if deemed necessary by the Director. Drill stem test pressures are acceptable for determining reservoir pressure. Pressure measurements shall be made at or adjusted to a subsea datum of 6075 feet. All gas-oil ratio and reservoir pressure determinations shall be made by methods approved by the Director and reported to the Director within 15 days following the end of the month in which they are determined. The Director is authorized to waive these requirements if the necessity therefore can be demonstrated to his satisfaction. All additional gas-oil ratio and reservoir pressure determinations conducted on any well, but not specially required herein, shall be reported to the Director within 15 days following the end of the month in which they are determined.

(107) No salt water, drilling mud, crude oil, or waste oil shall be stored in pits in this field, except in an emergency, and approved by the Director.

(108) For the purposes of division of production to owners of interests in spacing units established by this order, and proven productive prior to the date hereof, this order shall be retroactive to the date of first production.

(109) All wells in the Daneville-Bakken Pool shall be allowed to produce at a maximum efficient rate through August 30, 2013.

(110) After August 30, 2013, all wells in the Daneville-Bakken Pool shall be allowed to produce at a maximum efficient rate for a period of 60 days commencing on the first day oil is produced through well-head equipment into tanks from the ultimate producing interval after casing has been run; after that, oil production from such wells shall not exceed an average of 200 barrels per day for a period of 60 days; after that, oil production from such wells shall not exceed an average of 150 barrels per day for a period of 60 days, thereafter, oil production from such

wells shall not exceed an average of 100 barrels of oil per day; if and when such wells are connected to a gas gathering and processing facility the foregoing restrictions shall be removed, and the wells shall be allowed to produce at a maximum efficient rate. The Director is authorized to issue an administrative order allowing unrestricted production at a maximum efficient rate for a period not to exceed 120 days, commencing on the first day oil is produced through well-head equipment into tanks from the ultimate producing interval after casing has been run, if the necessity therefor can be demonstrated to his satisfaction.

(111) If the flaring of gas produced with crude oil from the Daneville-Bakken Pool causes, or threatens to cause, degradation of ambient air quality, production from the pool shall be further restricted.

(112) This portion of this order shall cover all of the Daneville-Bakken Pool, common source of supply of crude oil and/or natural gas as herein defined, and continues in full force and effect until the 30th day of June, 2016. If the Daneville-Bakken Pool is still producing, the proper spacing for the pool will be considered by the Commission on or before its regularly scheduled hearing date in May, 2016. If, however, the Daneville-Bakken Pool is no longer producing when the proper spacing is to be considered, the Commission, at its own discretion, may refrain from scheduling a proper spacing hearing and may, without further notice, enter an order dismissing the proper spacing matter.

Dated this 14th day of June, 2013.

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA

By the Director, on behalf of the Commission

/s/ Lynn D. Helms, Director

STATE OF NORTH DAKOTA

AFFIDAVIT OF MAILING

COUNTY OF BURLEIGH

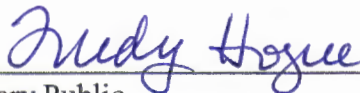
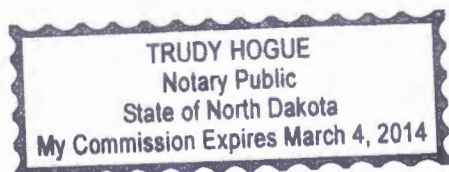
I, Belinda Dickson, being duly sworn upon oath, depose and say: That on the 28th day of June, 2013 enclosed in separate envelopes true and correct copies of the attached Order No. 22101 of the North Dakota Industrial Commission, and deposited the same with the United States Postal Service in Bismarck, North Dakota, with postage thereon fully paid, directed to the following persons by the Industrial Commission in Case No. 19794:

JOHN MORRISON
CROWLEY FLECK PLLP
PO BOX 2798
BISMARCK ND 58502



Belinda Dickson
Oil & Gas Division

On this 28th day of June, 2013 before me personally appeared Belinda Dickson to me known as the person described in and who executed the foregoing instrument and acknowledged that she executed the same as her free act and deed.



Notary Public
State of North Dakota, County of Burleigh

Kadrmass, Bethany R.

From: Lisa Herberholz <lherberholz@crowleyfleck.com>
Sent: Wednesday, May 01, 2013 4:40 PM
To: Hicks, Bruce E.
Cc: Kadrmass, Bethany R.
Subject: Telephonic Affidavit
Attachments: Murex - Kemp Telephonic Aff 19794.pdf

Attached please find the telephonic affidavit in Case No. 19794. Thank you.

Lisa

CROWLEY | FLECK PLLP
ATTORNEYS

Lisa Herberholz

Administrative Assistant

Crowley Fleck PLLP

400 East Broadway Avenue, Suite 600

P.O. Box 2798

Bismarck, ND 58502

Direct 701.224.7538

Fax 701.222.4853

✉ lherberholz@crowleyfleck.com

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Bismarck, ND 58505-0840

I, Glenn Kemp, do hereby confirm that I presented testimony under oath in North Dakota Industrial Commission Case Number 19794 on April 24, 2013. My testimony was presented by telephone from (281) 590-3313, Murex Petroleum Corporation, 515 N. Sam Houston Parkway East, Ste. 485, Houston, Texas 77060.

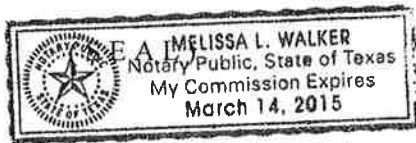
(Affiant's Signature)

)

) SS.

)

On May 1st, 2013, Glenn Kemp, known to me to be the person described in and who executed the foregoing instrument, personally appeared before me and acknowledged that he executed the same as a free act and deed.



Melissa L. Walker
Notary Public
State of Texas, County of Harris
My Commission Expires: 3-14-15

Kadrmass, Bethany R.

From: Heilman, Tracy A.
Sent: Thursday, July 25, 2013 1:18 PM
To: Kadrmass, Bethany R.
Subject: Case 20650 - Mountain Divide - Leininger Exhibits
Attachments: MD Leininger Exhibits 7 13.pdf

The Leininger will be spaced with the Wigness well.

Tracy

From: kevino@mountainviewenergy.com [<mailto:kevino@mountainviewenergy.com>]
Sent: Thursday, July 25, 2013 12:13 PM
To: Hicks, Bruce E.; Bohrer, Mark F.; Heilman, Tracy A.
Subject: Mountain Divide - Leininger Exhibits

Hello:

Attached are the Leininger 3-10-1H exhibits for the July 31st Temporary Spacing Hearing.

Thanks,

Kevin O'Day
Land Manager
Mountainview Energy
Cell (406) 370-4787
Work (406) 873-2235

The information transmitted is intended only for the addressee and may contain confidential, proprietary and/or privileged material. Any unauthorized review, distribution or other use of or the taking of any action in reliance upon this information is prohibited. If you received this in error, please contact the sender and delete or destroy this message and any copies.

On Thu 25/07/13 12:15 PM , Joseph Montalban <pmontalban21@gmail.com> wrote:

Final Leininger Exhibits.

----- Forwarded message -----

From: **Judy Vermulm** <mvw@bresnan.net>
Date: Thu, Jul 25, 2013 at 10:11 AM
Subject: Leininger Exhibits
To: pmontalban21@gmail.com

Dear Joseph,

Attached are the Leininger Exhibits for your files.

Judy

--

Joseph P. Montalban
Vice President- Business Development
Mountainview Energy Ltd.

Message sent via Atmail Open - <http://atmail.org/>



Mountain Divide, LLC

Leininger 3-10-1H

162N 101W

Sec 3: All

Sec 10: All

1281.28 acre Stand Up-Rectangular Spacing Unit

Temporary Spacing Hearing
July 31st, 2013

(406) 873-2235 ♦ FAX (406) 873-2835

33 FIRST AVENUE SW – PO BOX 200 ♦ CUT BANK, MT 59427

EMAIL: MVW@BRESNAN.NET ♦ WWW.MOUNTAINVIEWENERGY.COM



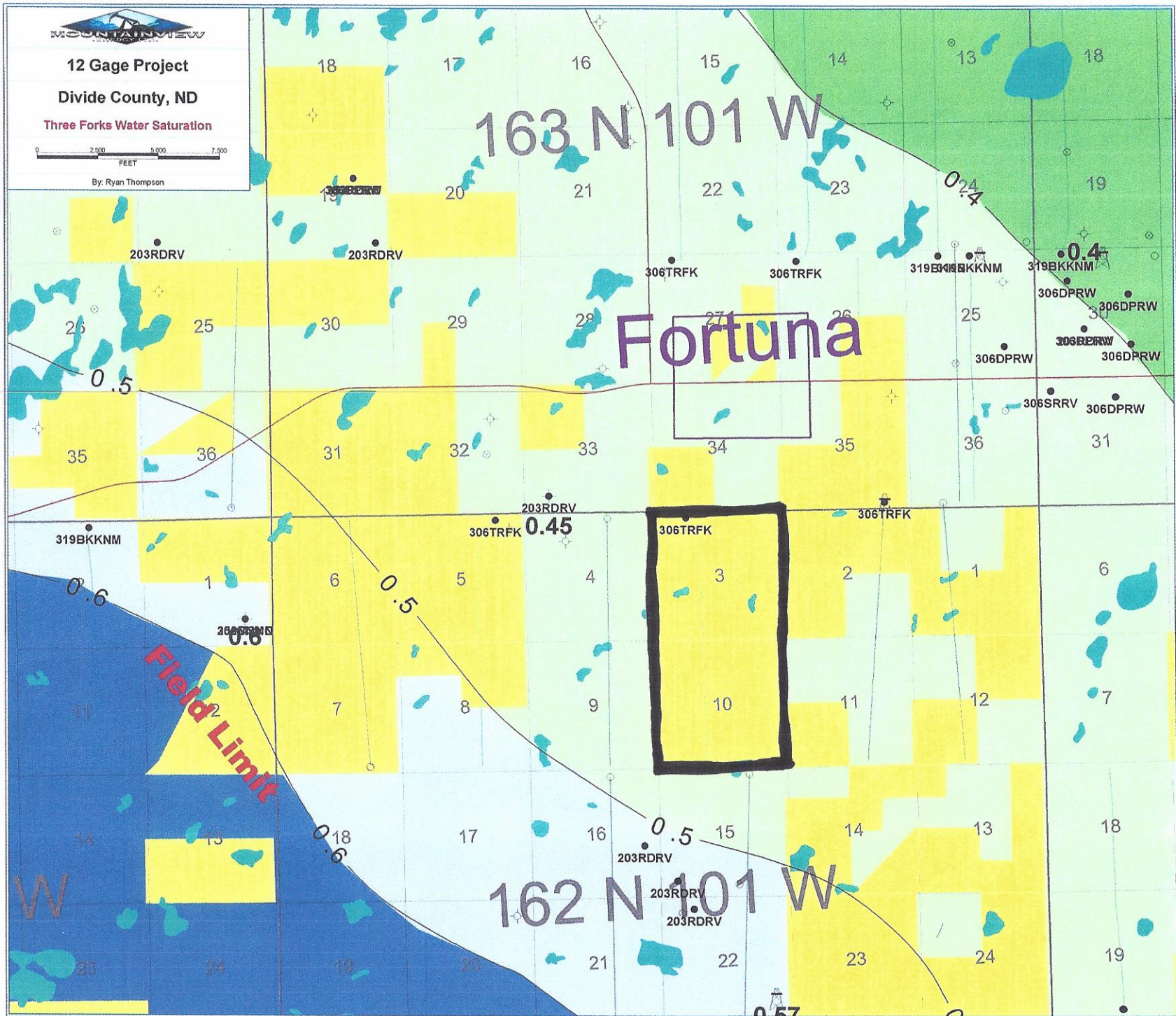
12 Gage Project

Divide County, ND

Three Forks Water Saturation



By: Ryan Thompson



•Leininger 3-10-1H, Sect. 3 & 10, T162N R101W-----Pertinent Well Data

Well Data	Value	Comments
Initial Reservoir Pressure (P_r)	4,000 PSI	(Estimated)
Production Data (Q)—Daily Rates	~175/80/450	(O/G/W)—Plot attached
Oil / Gas Analysis	Offset Wells	(See attached)
Gas-Oil Ratio (GOR)	450 scf/bbl	measured
Avg. Net Pay Porosity (ϕ)	9%	Log Calculated Average
Thickness of Net Pay (h)	11 ft	Log Measured
Water Saturation of Net Pay (S_w)	42%	Log Calculated
Oil Formation Volume Factor (B_o)	1.3 bbl/STB	Estimated
Reservoir Temperature	220°F	Measured on Logs



•Leininger 3-10-1H, Sect. 3 & 10, T162N R101W- -----Oil Analysis

Divide County Three Forks Oil Sample:

Sample Location	NORTH DAKOTA	Sample Temperature	110 F
Sample Pressure	38 PSIG	County	DIVIDE
Type Sample	SPOT	Sampling Method	GPA-2174
Test method	GPA-2286		

Components	Mole %	Weight %	Liq. Vol. %
Hydrogen Sulfide	0.068	0.015	0.015
Oxygen	0.000	0.000	0.000
Carbon Dioxide	0.009	0.003	0.002
Nitrogen	0.034	0.006	0.006
Methane	0.319	0.034	0.086
Ethane	0.669	0.133	0.285
Propane	1.763	0.514	0.774
iso-Butane	0.427	0.164	0.223
n-Butane	2.054	0.789	1.032
iso-Pentane	1.012	0.482	0.590
n-Pentane	1.338	0.638	0.773
Hexanes	2.004	1.141	1.314
Heptanes	9.735	6.445	7.160
Octanes	26.240	19.802	21.430
Nonanes	17.698	14.996	15.676
Decanes+	32.754	52.428	47.695
Benzene	0.294	0.152	0.131
Toluene	0.367	0.223	0.195
Ethylbenzene	0.050	0.035	0.031
Xylenes	0.491	0.344	0.304
n-Hexane	1.954	1.112	1.281
2,2,4-Trimethylpentane...	0.720	0.543	0.596
TOTALS	100.000	100.000	100.000

ADDITIONAL BETX DATA

Components	Mole %	Weight %	Liq. Vol. %
2-Methylpentane	1.105	0.629	0.724
3-Methylpentane	0.899	0.512	0.589
n-Hexane	1.954	1.112	1.281
2,2,4-Trimethylpentane	0.720	0.543	0.596
Benzene	0.294	0.152	0.131
Toluene	0.367	0.223	0.196
Ethylbenzene	0.050	0.035	0.031
m-Xylene	0.061	0.043	0.038
p-Xylene	0.323	0.226	0.200
o-Xylene	0.107	0.075	0.066

API GRAVITY AT 60/60 F, observed	N/A
API GRAVITY AT 60/60 F, calculated	53.6
SPECIFIC GRAVITY AT 60/60 F, calculated	0.7646
RELATIVE SPECIFIC GRAVITY OF DECANES+ (C10+) FRACTION	0.8370
AVERAGE MOLECULAR WEIGHT	151.364
AVERAGE MOLECULAR WEIGHT OF DECANES+ (C10+) FRACTION	242.284
TRUE VAPOR PRESSURE AT 100 F, PSIA, calculated	27.254
AVERAGE BOILING POINT, F,	328.834
CUBIC FEET OF GAS / GALLON OF LIQUID, as Ideal Gas	18.570
BTU / GALLON OF LIQUID AT 14.73 PSIA, calculated	123432.596
LBS / GALLON OF LIQUID, calculated	6.375

NOTATION: ALL CALCULATIONS PERFORMED USING PHYSICAL CONSTANTS FROM GPA 2145-09, THE TABLES OF PHYSICAL CONSTANTS FOR HYDROCARBONS AND OTHER COMPOUNDS OF INTEREST TO THE NATURAL GAS INDUSTRY.



•Leininger 3-10-1H, Sect. 3 & 10, T162N R101W-----Gas Analysis

Divide County Three Forks Gas Sample:

4102 2nd Ave. West

ASTRO-CHEM LAB, INC.

Williston, North Dakota 58802-0972
P.O. Box 972

Phone: (701) 572-7355

NATURAL GAS ANALYSIS

DATE OF ANALYSIS 6-7-10

DATE SAMPLED

TEMPERATURE °F

SAMPLE SOURCE

PRESSURE PSI

SAMPLE NUMBER B-10-1706

SAMPLED BY

TYPE OF ANALYSIS GAS

ANALYSIS BY CJ

FORMATION

INTERVAL

LOCATION

SECTION

TOWNSHIP

RANGE

DISTRIBUTION

COMPONENT	MOLE %	GPM
Nitrogen	2.57	0.000
Methane	46.72	0.000
Carbon Dioxide	0.62	0.000
Ethane	20.32	3.425
H2S	0.00	0.000
Propane	15.87	4.626
i-Butane	1.79	0.583
n-Butane	5.76	1.808
i-Pentane	1.01	0.367
n-Pentane	1.47	0.529
Hexanes+	2.77	1.213
Oxygen/Argon	0.00	0.000
Total	100.00	14.552

CALCULATED SPECIFIC GRAVITY 1.0657 (AIR = 1.0000)

CALCULATED GROSS BTU/ft³ 1720 (Saturated) 1751 (Dry) at 14.73 psi and 60°F

REMARKS



• Leininger 3-10-1H, Sect. 3 & 10, T162N R101W- -----Updated Production Plot

5 Months (of) Production



•Leininger 3-10-1H, Sect. 3 & 10, T162N R101W-----Volumetrics & Economics

Reservoir Data & Volumetrics

Reservoir	Three Forks (Fortuna Area)
Avg. Net Pay Porosity (ϕ)	9%
Water Saturation of Net Pay (S_w)	42%
Thickness of Net Pay (h)	11 ft
Drainage Area	1280 acres
Oil Formation Volume Factor (B_o)	1.3 bbl/STB
Original Oil in Place (OOIP)	4.4 MMBO
Estimated Ultimate Recovery (EUR)	350 MBO
Estimated Recovery Factor	8%

Single Well Economics

D&C Investment	\$7,000,000
Base Opex	\$15,000/month
30 Day IP	275 BOPD
Estimated Ultimate Recovery (EUR)	350 MBO
Oil Price (Net)	\$80
Gas Price (Net)	\$3.00
ROR	33.4%
Payout	2.4 years



•Leininger 3-10-1H, Sect. 3 & 10, T162N R101W-----Drainage Area & Fluid Disposition

Drainage Area

Reservoir	Three Forks (Fortuna Area)
Maximum Area of Drainage	1280 acres
Original Oil in Place (OOIP)	4.4 MMBO
Estimated Ultimate Recovery (EUR)	350 MBO
Estimated Recovery Factor	8%

Fluid Disposition

Oil	Trucked to Oil Sales Terminal	
Gas	Currently Flared	In negotiations with Gas Purchaser for pipeline and sales.
Water	Trucked to Permitted SWD	Salt Water Disposal system in design phase.





Mountain Divide, LLC

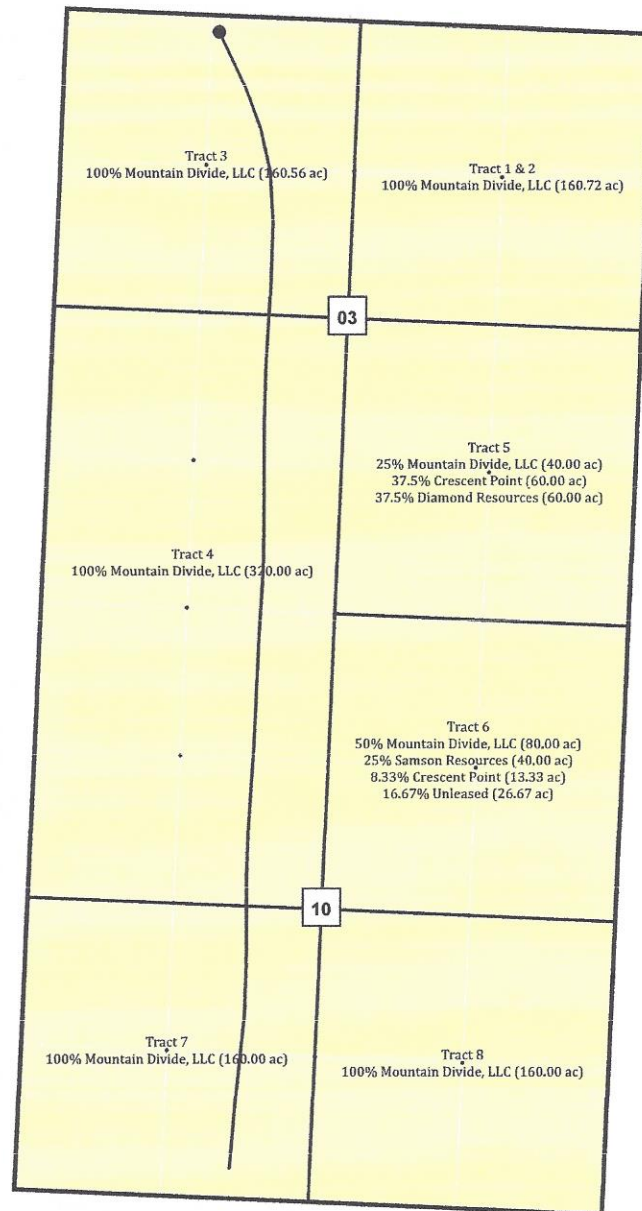
A Subsidiary of Mountain View Energy LTD

Date: 7/9/2013

Leininger 3-10-1H

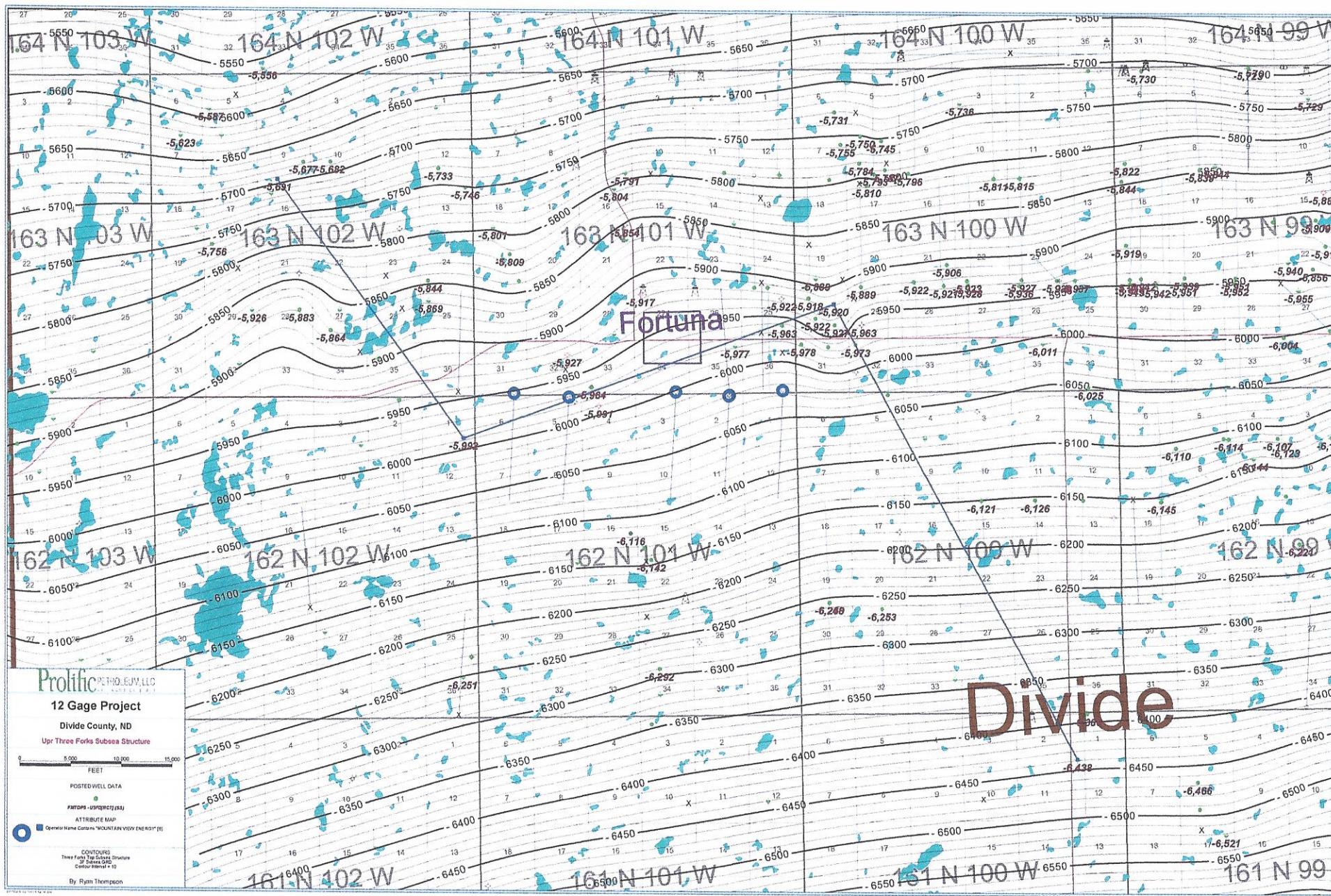
T162N-R-101W-Sec. 3 & 10

Divide County, ND



Mountain Divide, LLC 1121.28 acres/87.51% WI
(working interest plus carried interest)

Company	Net Acres	Percent
Mountain Divide, LLC	1081.28	84.39%
Samson Resources, Co. (Non Consent)	40.00	3.12%
Crescent Point Energy (Participating)	73.33	5.73%
American Eagle (Participating)	60.00	4.68%
RGKH Minerals (Participating)	26.67	2.08%
TOTAL	1281.28	100.00%



NW

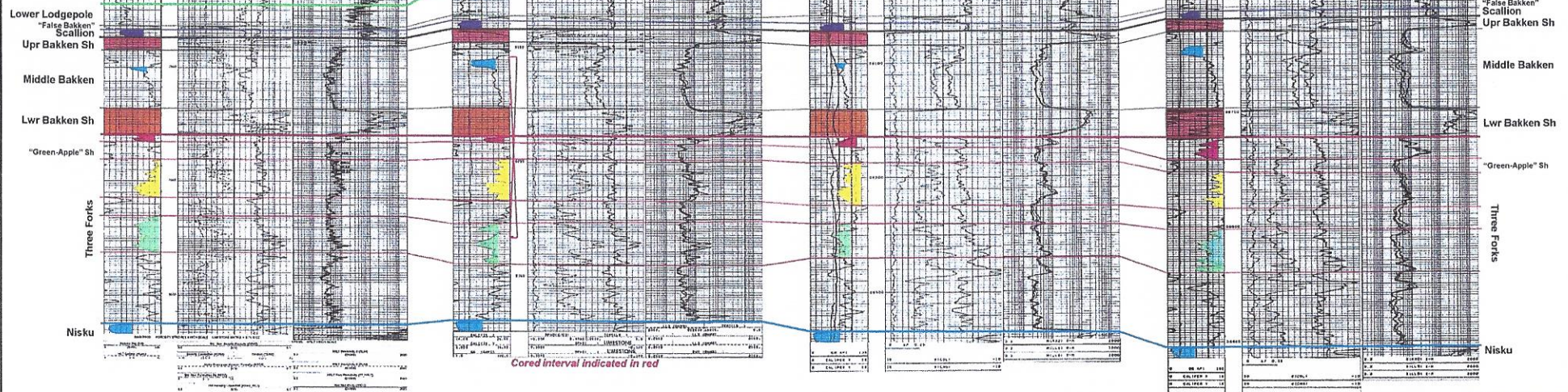
SE

PEDERSON 14-9H
Kodiak Oil & Gas
T163N R102W S9
11/26/2005

REISTAD 1-1
Tenneco Oil Co
T162N R102W S1
2/19/1982

MOSSER 32-30
Louisiana Land & Expl
T163N R100W S30
1/11/1985

KNUDSVIG 14-1
Louisiana Land & Expl
T161N R100W S1
9/13/1985



Kadrmass, Bethany R.

From: Heilman, Tracy A.
Sent: Thursday, July 25, 2013 12:13 PM
To: Kadrmass, Bethany R.
Subject: Case 20650 - Mountain Divide - Wigness Exhibits
Attachments: MD Wigness Exhibits 7 13.pdf

Attached are the Exhibits for the Wigness 5-8-1H (162N 101W Sec 5 & 8) for the July 31st Temporary Spacing Hearing.

Tracy

From: kevino@mountainviewenergy.com [<mailto:kevino@mountainviewenergy.com>]
Sent: Thursday, July 25, 2013 12:11 PM
To: Hicks, Bruce E.; Bohrer, Mark F.; Heilman, Tracy A.
Subject: Mountain Divide - Wigness Exhibits

Hello:

Attached at the Exhibits for the Wigness 5-8-1H (162N 101W Sec 5 & 8) for the July 31st Temporary Spacing Hearing.

Thanks,

Kevin O'Day
Land Manager
Mountainview Energy
Cell (406) 370-4787
Work (406) 873-2235

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On Thu 25/07/13 12:14 PM , Joseph Montalban <pmontalban21@gmail.com> wrote:

Final Wigness Exhibits that will be going in today.

Thanks,

Joseph Montalban
Vice President- Business Development
Mountainview Energy Ltd.

----- Forwarded message -----

From: **Judy Vermulm** <mvw@bresnan.net>

Date: Thu, Jul 25, 2013 at 10:10 AM

Subject: Wigness Exhibits

To: pmontalban21@gmail.com

Joseph,

Attached are the Wigness Exhibits.

Judy

--

Joseph P. Montalban
Vice President- Business Development
Mountainview Energy Ltd.

Message sent via Atmail Open - <http://atmail.org/>



Mountain Divide, LLC

Wigness 5-8-1H

162N 101W

Sec 5: All

Sec 8: All

1280.80 acre Stand Up-Rectangular Spacing Unit

Temporary Spacing Hearing

July 31st, 2013

Case #20650

(406) 873-2235 ♦ FAX (406) 873-2835

33 FIRST AVENUE SW – PO BOX 200 ♦ CUT BANK, MT 59427

EMAIL: MVW@BRESNAN.NET ♦ WWW.MOUNTAINVIEWENERGY.COM



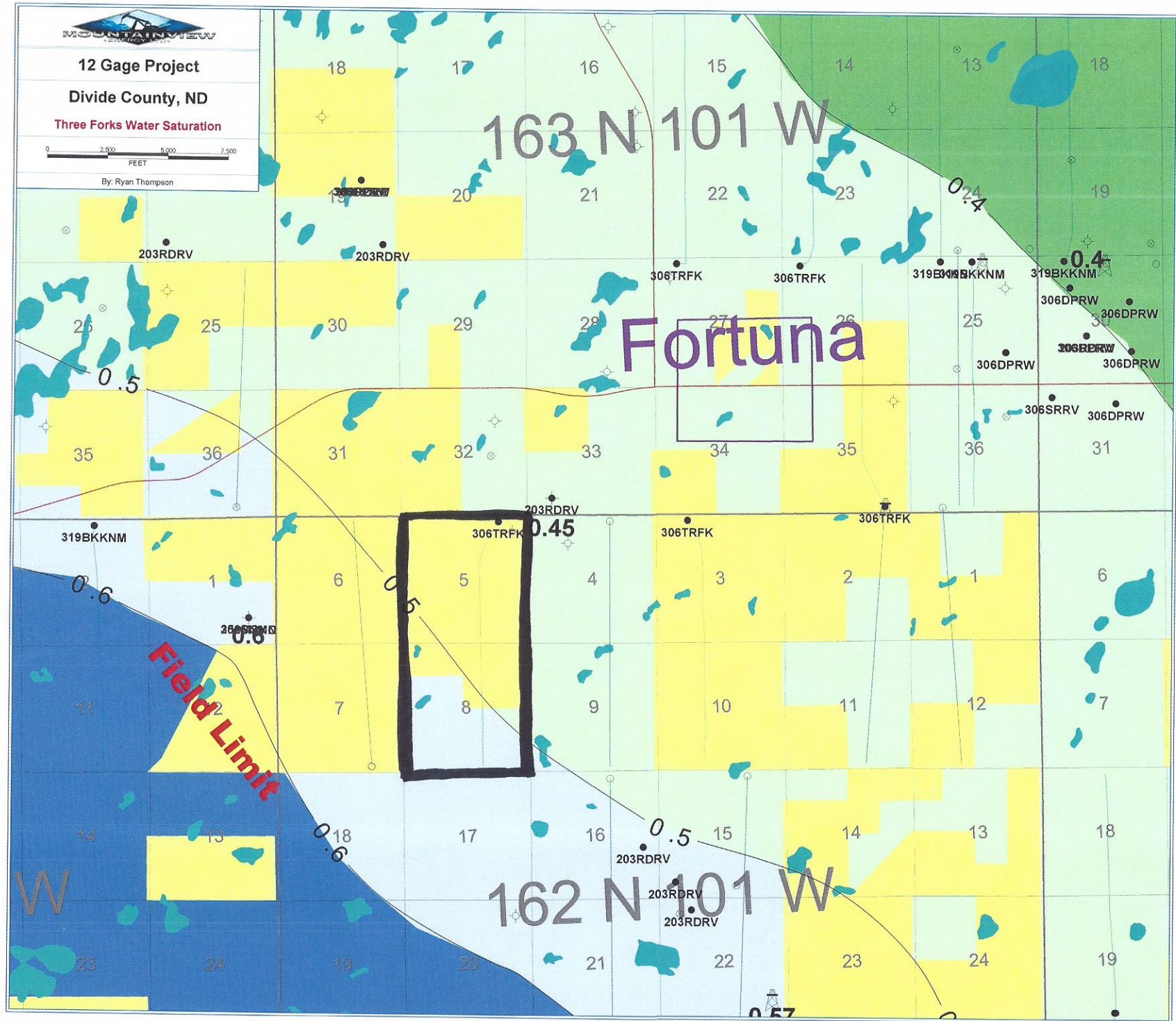
12 Gage Project

Divide County, ND

Three Forks Water Saturation



By: Ryan Thompson



•Wigness 5-8-1H, Sect. 5 & 8, T162N R101W-----Pertinent Well Data

Well Data	Value	Comments
Initial Reservoir Pressure (P_r)	4,000 PSI	(Estimated)
Production Data (Q)—Daily Rates	~175/80/450	(O/G/W)—Plot attached
Oil / Gas Analysis	Offset Wells	(See attached)
Gas-Oil Ratio (GOR)	450 scf/bbl	measured
Avg. Net Pay Porosity (ϕ)	8%	Log Calculated Average
Thickness of Net Pay (h)	9 ft	Log Measured
Water Saturation of Net Pay (S_w)	45%	Log Calculated
Oil Formation Volume Factor (B_o)	1.3 bbl/STB	Estimated
Reservoir Temperature	220°F	Measured on Logs



•Wigness 5-8-1H, Sect. 5 & 8, T162N R101W-----Oil Analysis

Divide County Three Forks Oil Sample:

Sample Location	NORTH DAKOTA	Sample Temperature	110 F
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Toluene	0.367	0.223	0.195
Ethylbenzene	0.050	0.035	0.031
Xylenes	0.491	0.344	0.304
n-Hexane	1.954	1.112	1.281
2,2,4-Trimethylpentane	0.720	0.543	0.596
TOTALS	100.000	100.000	100.000

ADDITIONAL BETX DATA

Components	Mole %	Weight %	Liq. Vol. %
2-Methylpentane	1.105	0.629	0.724
3-Methylpentane	0.899	0.512	0.589
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2,2,4-Trimethylpentane	0.720	0.543	0.596
Benzene	0.294	0.152	0.131
Toluene	0.367	0.223	0.196
Ethylbenzene	0.050	0.035	0.031
m-Xylene	0.061	0.043	0.038
p-Xylene	0.323	0.226	0.200
o-Xylene	0.107	0.075	0.066

API GRAVITY AT 60/60 F, observed	N/A
API GRAVITY AT 60/60 F, calculated	53.6
SPECIFIC GRAVITY AT 60/60 F, calculated	0.7646
RELATIVE SPECIFIC GRAVITY OF DECANES+ (C10+) FRACTION	0.8370
AVERAGE MOLECULAR WEIGHT	151.364
AVERAGE MOLECULAR WEIGHT OF DECANES+ (C10+) FRACTION	242.284
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AVERAGE BOILING POINT, F,	328.834
CUBIC FEET OF GAS / GALLON OF LIQUID, as ideal Gas	18.570
BTU / GALLON OF LIQUID AT 14.73 PSIA, calculated	123432.596
LBS / GALLON OF LIQUID, calculated	6.375

NOTATION: ALL CALCULATIONS PERFORMED USING PHYSICAL CONSTANTS FROM GPA 2145-09, THE TABLES OF PHYSICAL CONSTANTS FOR HYDROCARBONS AND OTHER COMPOUNDS OF INTEREST TO THE NATURAL GAS INDUSTRY.



•Wigness 5-8-1H, Sect. 5 & 8, T162N R101W- -----Gas Analysis

Divide County Three Forks Gas Sample:

4102 2nd Ave. West

ASTRO-CHEM LAB, INC.

Williston, North Dakota 58802-0972

P.O. Box 972

Phone: (701) 572-7255

NATURAL GAS ANALYSIS

DATE OF ANALYSIS 6-7-10

DATE SAMPLED

TEMPERATURE °F

SAMPLE SOURCE

PRESSURE PSI

SAMPLE NUMBER 6-10-1706

SAMPLED BY

TYPE OF ANALYSIS GAS

ANALYSIS BY CJ

FORMATION

INTERVAL

LOCATION

SECTION

TOWNSHIP

RANGE

DISTRIBUTION

COMPONENT	MOLE %	GPM
Nitrogen	2.67	0.000
Methane	46.72	0.000
Carbon Dioxide	0.62	0.000
Ethane	20.32	3.425
H2S	0.00	0.000
Propane	16.87	4.626
i-Butane	1.79	0.583
n-Butane	5.76	1.808
i-Pentane	1.01	0.367
n-Pentane	1.47	0.529
Hexanes+	2.77	1.215
Oxygen/Argon	0.00	0.000
Total	100.00	14.552

CALCULATED SPECIFIC GRAVITY 1.0657 (Air = 1.0000)

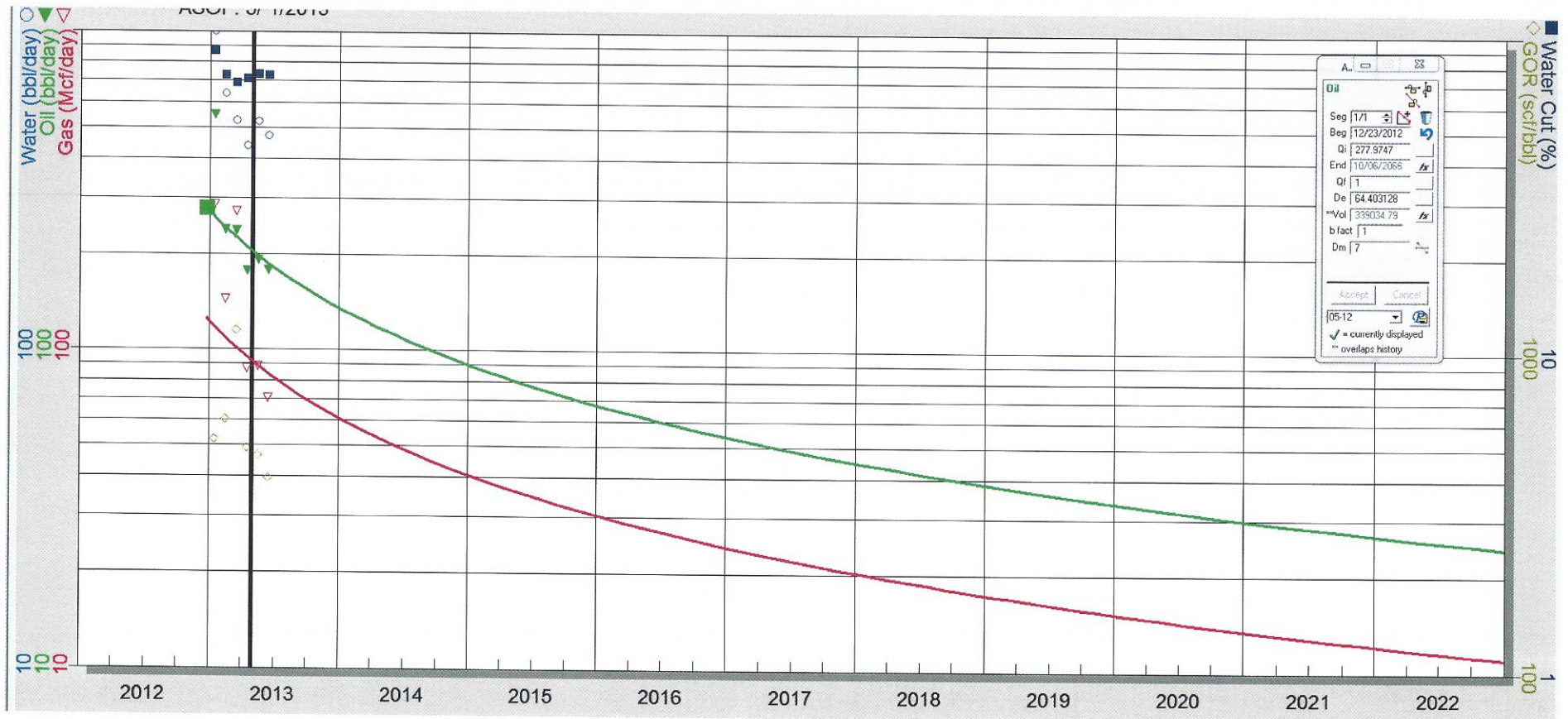
CALCULATED GROSS BTU/ft³ 1720 (Saturated) 1751 (Dry) at 14.73 psi and 60°F

REMARKS



• Wigness 5-8-1H, Sect. 5 & 8, T162N R101W-----Updated Production Plot

6 Months (of) Production



•Wigness 5-8-1H, Sect. 5 & 8, T162N R101W-----Volumetrics & Economics

Reservoir Data & Volumetrics

Reservoir	Three Forks (Fortuna Area)
Avg. Net Pay Porosity (ϕ)	8%
Water Saturation of Net Pay (S_w)	45%
Thickness of Net Pay (h)	9 ft
Drainage Area	1280 acres
Oil Formation Volume Factor (B_o)	1.3 bbl/STB
Original Oil in Place (OOIP)	3.0 MMBO
Estimated Ultimate Recovery (EUR)	335 MBO
Estimated Recovery Factor	11.1%

Single Well Economics

D&C Investment	\$7,000,000
Base Opex	\$15,000/month
30 Day IP	275 BOPD
Estimated Ultimate Recovery (EUR)	335 MBO
Oil Price (Net)	\$80
Gas Price (Net)	\$3.00
ROR	30.4%
Payout	2.7 years



•Wigness 5-8-1H, Sect. 5 & 8, T162N R101W-----Drainage Area & Fluid Disposition

Drainage Area

Reservoir	Three Forks (Fortuna Area)
Maximum Area of Drainage	1280 acres
Original Oil in Place (OOIP)	3.0 MMBO
Estimated Ultimate Recovery (EUR)	335 MBO
Estimated Recovery Factor	11%

Fluid Disposition

Oil	Trucked to Oil Sales Terminal	
Gas	Currently Flared	In negotiations with Gas Purchaser for pipeline and sales.
Water	Trucked to Permitted SWD	Salt Water Disposal system in design phase.





Mountain Divide, LLC

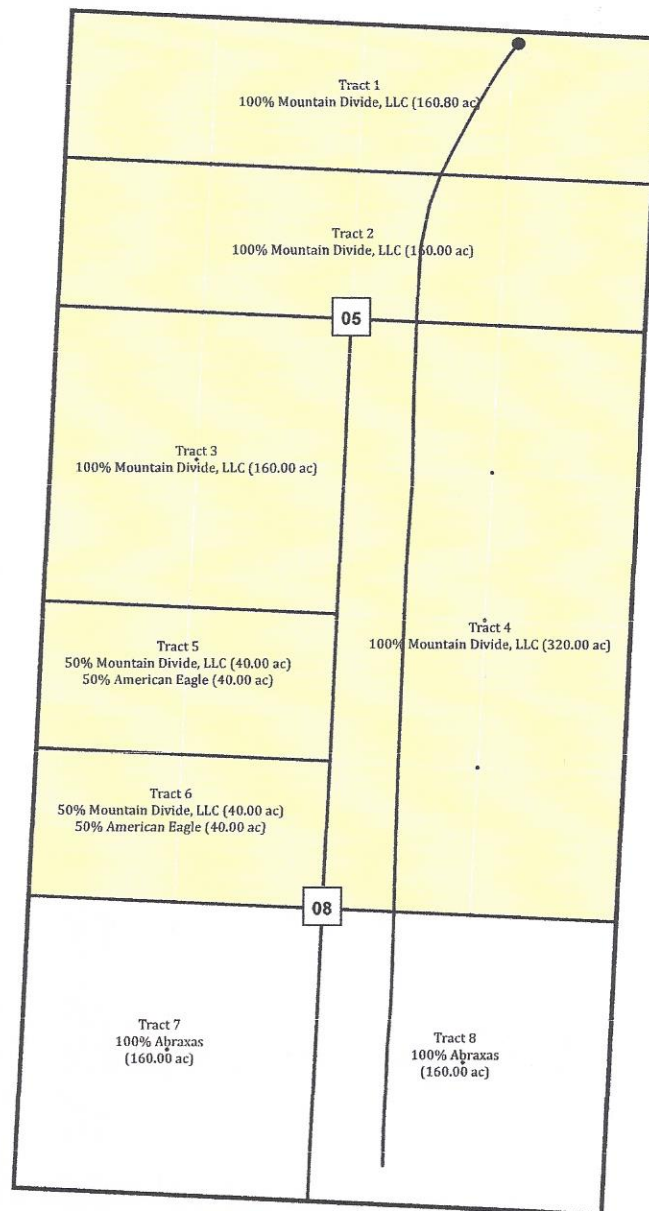
A Subsidiary of Mountain View Energy LTD

Wigness 5-8-1H

T162N-R-101W-Sec. 5 & 8

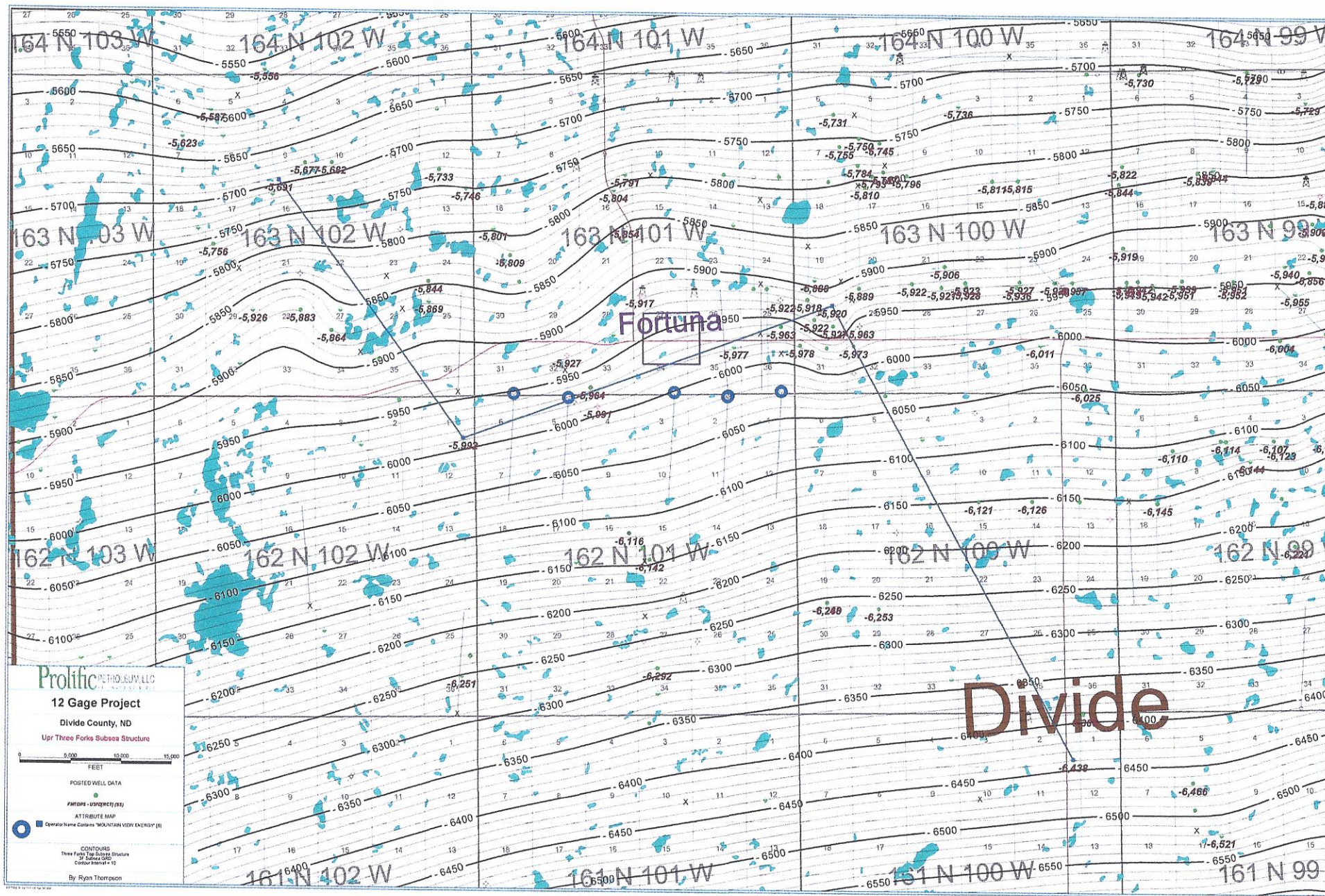
Divide County, ND

Date: 7/9/2013



Mountain Divide, LLC 1200.80 acres/93.75% WI
(working interest plus carried interest)

Company	Net Acres	Percent
Mountain Divide, LLC	880.80	68.77%
Abraxas (Non Consent)	320.00	24.98%
American Eagle (Participating)	80.00	6.25%
TOTAL	1280.80	100.00%



NW

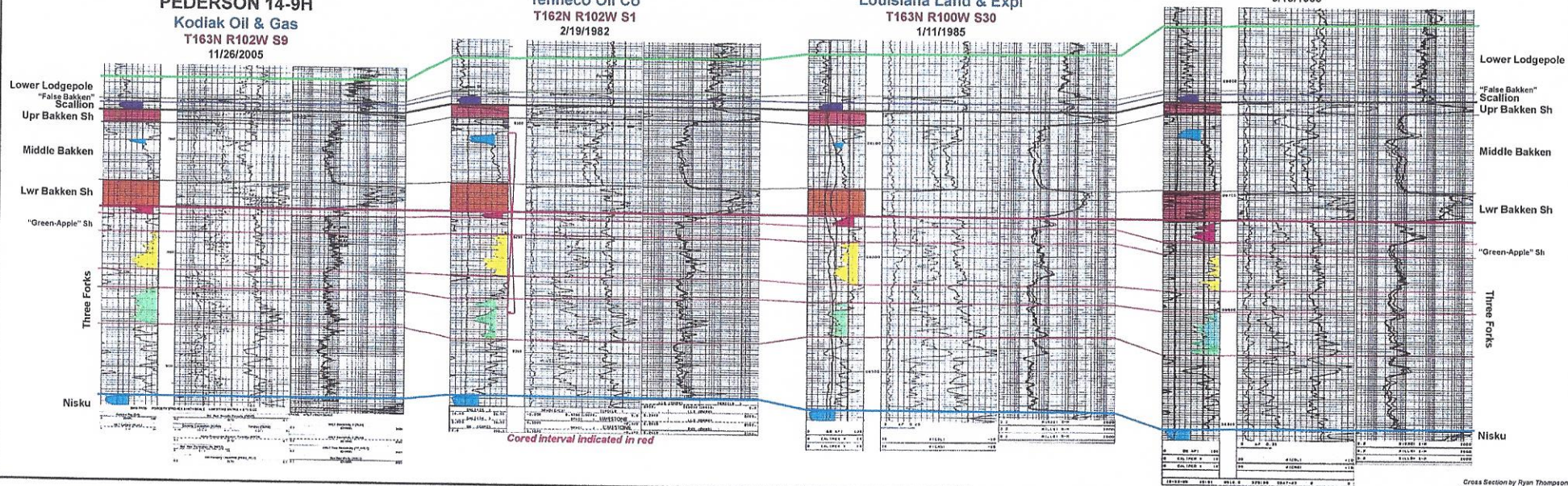
SE

PEDERSON 14-9H
Kodiak Oil & Gas
T163N R102W S9
11/26/2005

REISTAD 1-1
Tenneco Oil Co
T162N R102W S1
2/19/1982

MOSSER 32-30
Louisiana Land & Expl
T163N R100W S30
1/11/1985

KNUDSVIG 14-1
Louisiana Land & Expl
T161N R100W S1
9/13/1985



Kadrmass, Bethany R.

From: Lisa Herberholz <lherberholz@crowleyfleck.com>
Sent: Friday, April 26, 2013 1:12 PM
To: Kadrmass, Bethany R.
Cc: Glenn A. Kemp; John W. Morrison
Subject: Murex Supplemental Exhibit
Attachments: NDIC Ltr - 4-26-13 - Case 19794 Supp. Exhibit.pdf; Murex - Case 19794 Supp. Exhibit.pdf

Attached please find the supplemental exhibit in Case No. 19794. Thank you.

Lisa

CROWLEY | FLECK PLLP
ATTORNEYS

Lisa Herberholz

Administrative Assistant
Crowley Fleck PLLP
400 East Broadway Avenue, Suite 600
P.O. Box 2798
Bismarck, ND 58502
Direct 701.224.7538
Fax 701.222.4853
✉ lherberholz@crowleyfleck.com

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John W. Morrison
400 East Broadway, Suite 600
P.O. Box 2798
Bismarck, ND 58502-2798
Office: 701.223.6585
jmorrison@crowleyfleck.com

April 26, 2013

Via Electronic Mail Only

Bethany Kadrmas
Oil & Gas Division
ND INDUSTRIAL COMMISSION
600 E. Blvd. Ave., Dept. 405
Bismarck, ND 58505-0840

**In re: Murex Petroleum Corp.
Case No. 19794**

Dear Bethany:

Please find enclosed for filing the supplemental exhibit in the captioned case.

If you have any questions, please let me know. Thank you.

Sincerely,



John W. Morrison

lh
enc.

cc (via email): Glenn Kemp

**Murex Leases with First Expiration
Dates in 2013 in the Proposed Writing
Rock Field**

TwN	Range	Sections
T161N	R100W	18 & 19
T161N	R100W	27 & 34
T161N	R100W	28 & 33
T161N	R101W	1 & 12
T161N	R101W	2 & 11
T161N	R101W	3 & 10
T161N	R101W	13 & 24
T161N	R101W	14 & 23
T161N	R101W	15 & 22
T161N	R101W	17 & 20
T161N	R101W	29 & 32
T162N	R101W	17 & 20
T162N	R101W	18 & 19
T162N	R101W	27 & 34
T162N	R101W	28 & 33
T162N	R101W	29 & 32
T162N	R101W	30 & 31
T162N	R102W	25 & 36

MUREX PETROLEUM CORPORATION

515 N. Sam Houston Pkwy E. Ste. 485

Houston, TX 77060

(281) 590-3313

CASE NO. 19794

Application for Designation of Temporary Field Spacing

Discovery Well - Lori Ann 4-9H Wildcat

Divide County, North Dakota

Before the

North Dakota Industrial Commission

April 24th, 2013

CASE NO. 19794

Discovery Well – Lori Ann 4-9H

Operator – Murex Petroleum Corporation

Horizontal Middle Bakken Well

Surface Location: 250' FNL 2,000', FWL – Sec. 4, T 161N, R101W

BHL: 10,087' South of Surface location & 60' West of Surface Location

Current Writing Rock Field Designation Area:

T161N, R101W all of sections 3 and 4

Requested Writing Rock Field Designation Area:

T160N, R101W all of sections 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23 and 24,

T161N, R100W all of sections 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 34, 35 and 36,

T161N, R101W all of sections 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 34, 35 and 36,

T161N R102W all of sections 1, 2, 3, 4, 9, 10, 11, 12, 13, 14, 15, 16, 21, 22, 23, 24, 25, 26, 27, 28, 33, 34, 35 and 36,

T162N, R 101W all of sections 3, 4, 5, 8, 9, 10, 17, 18, 19, 20, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36,

T162N, R102W all of sections 25 and 36

Field Rules Requested:

- Standup 1280 acre well spacing with 500' standoff from East and West and 200' standoff from North boundaries
- Allow up to 8 Horizontal Bakken Wells in each 1280 Spacing Unit
- Directional Equipment Tool Error Policy Waived

Pools to be included:

50' above the top of Upper Bakken Shale, and 50' below base of the Lower Bakken Shale

Disposition of Fluids:

Oil Transported by NorthernTier Energy Transport

Salt Water Hauled by Wind River

Natural Gas gathered is flared

Special Request:

Asking for expedited orders due to lease expiration dates starting in May 2013

INDUSTRIAL COMMISSION

STATE OF NORTH DAKOTA

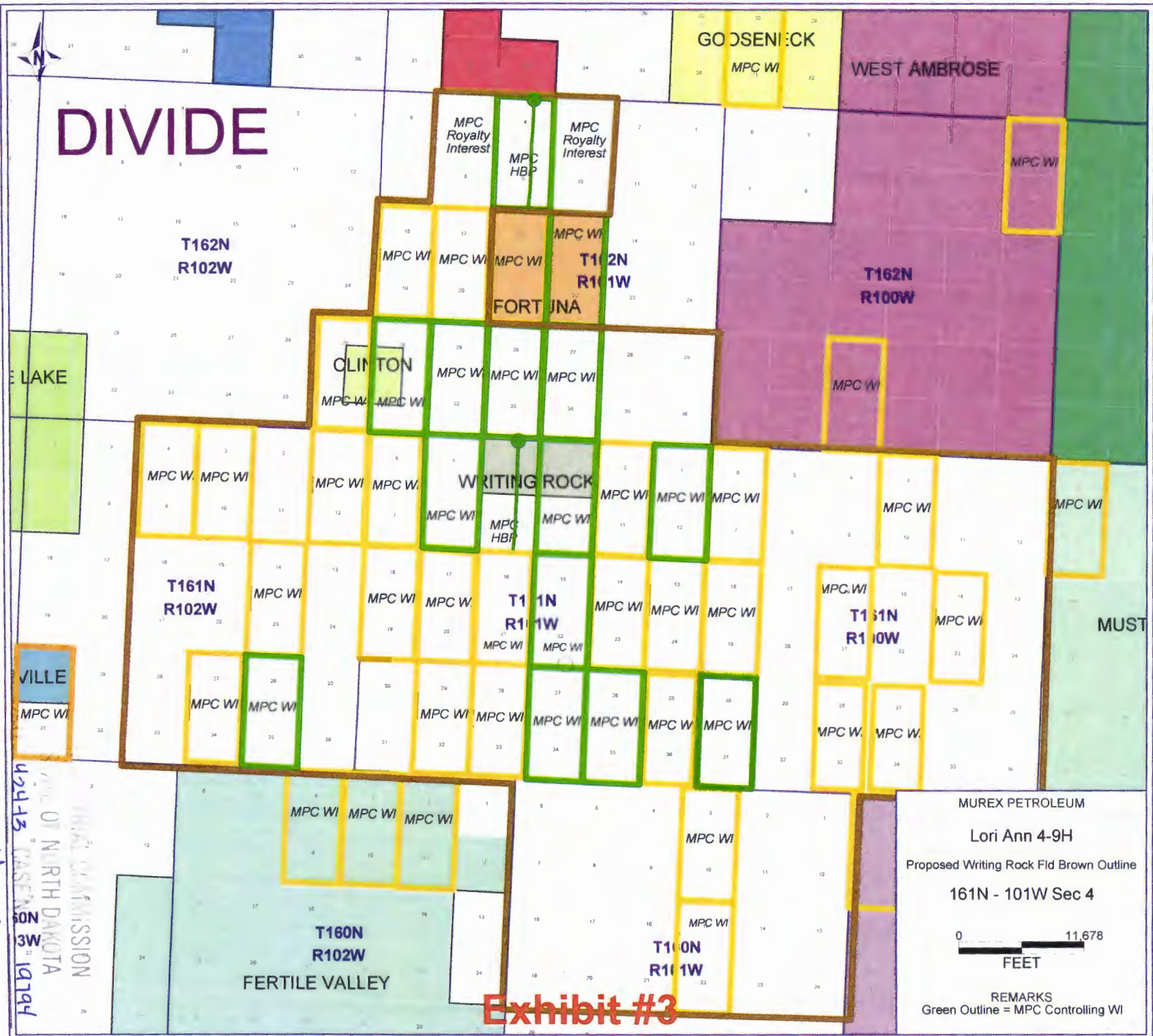
DATE 4-24-13 CASE NO. 19794

Introduced By Murex

Exhibit 1

Identified By Kemp

Exhibit #1



Identified By Kemp

Exhibit 3

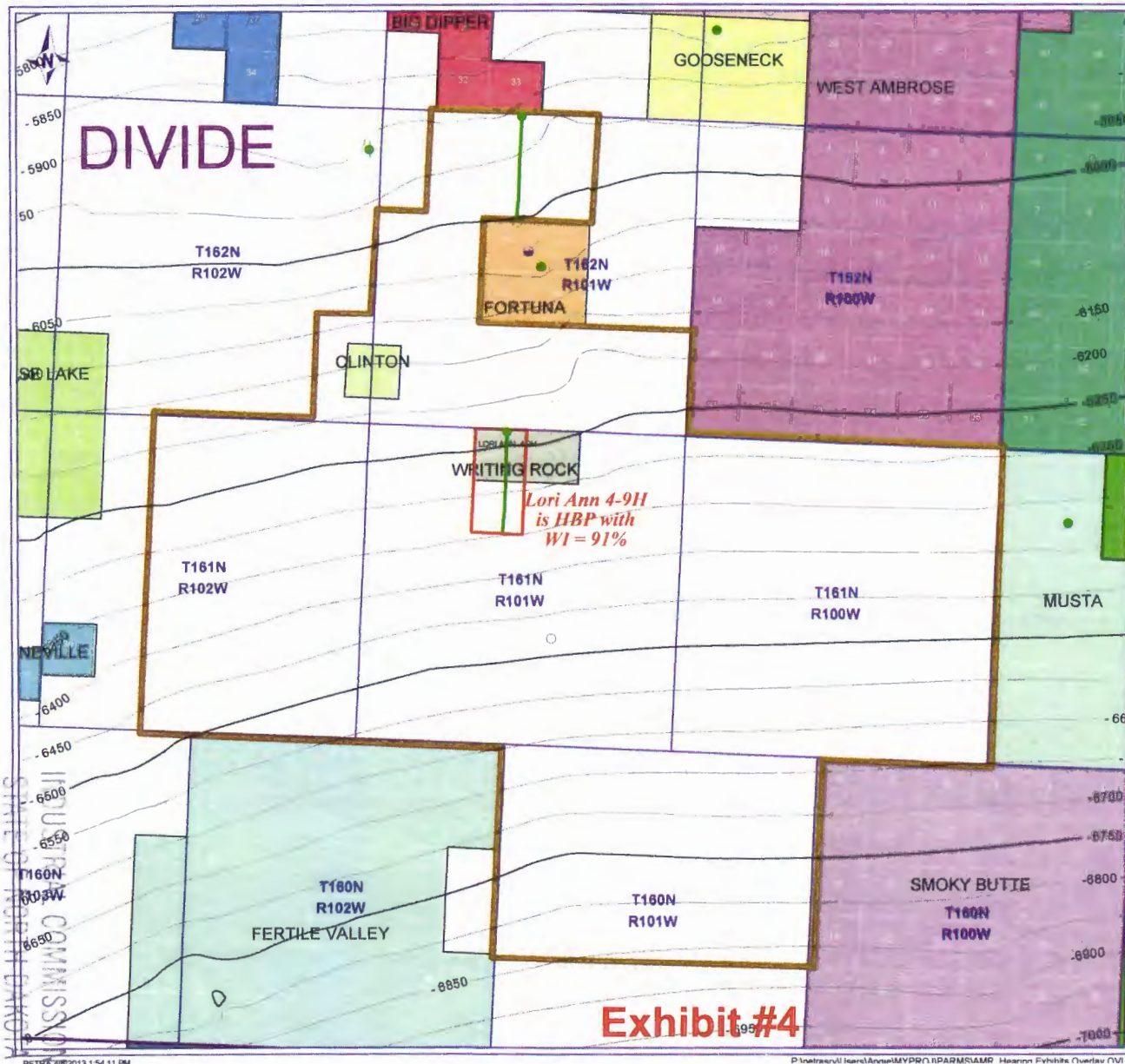
Produced By Murex

44443 CASE NO. 19794

STATE OF NORTH DAKOTA

WRITING ROCK FIELD

Exhibit #3



MUREX PETROLEUM
 Lori Ann 4-9H
 Lease - Structure Map
 Top of Middle Bakken

0 12,786
 FEET

Identified By Kemp
 Exhibit 4
 collected By Murex
 DATE 4-24-13 CASE NO. 19794



25

30

29

28

27

26

25

30

Txpo-Meyer 1-37
NDIC# 11067
TXP Operating Co.

Orville Raaum 1
NDIC# 6652
Southland Royalty Co.

34

Johnson 1
NDIC# 6751
Patrick Petroleum Co.

LORI ANN 4-9H

1

6

5

4

3

2

1

6

12

7

8

9

10

11

12

7

Riveland 1-12
NDIC# 8561
Tenneco Oil Co.

13

18

17

16

15

14

13

18

T161N

R101W

19

20

21

22

23

24

19

Blue Rock 29-11
NDIC# 10586
Getty Oil Co.

A'

Exhibit #5

Murex Petroleum Corp.

Lori Ann 4-9H

X-Section Map

161N - 101W Sec 4

0 4,464
FEET

Identified By Kemp

4-24-15

by Murex

4-24-15

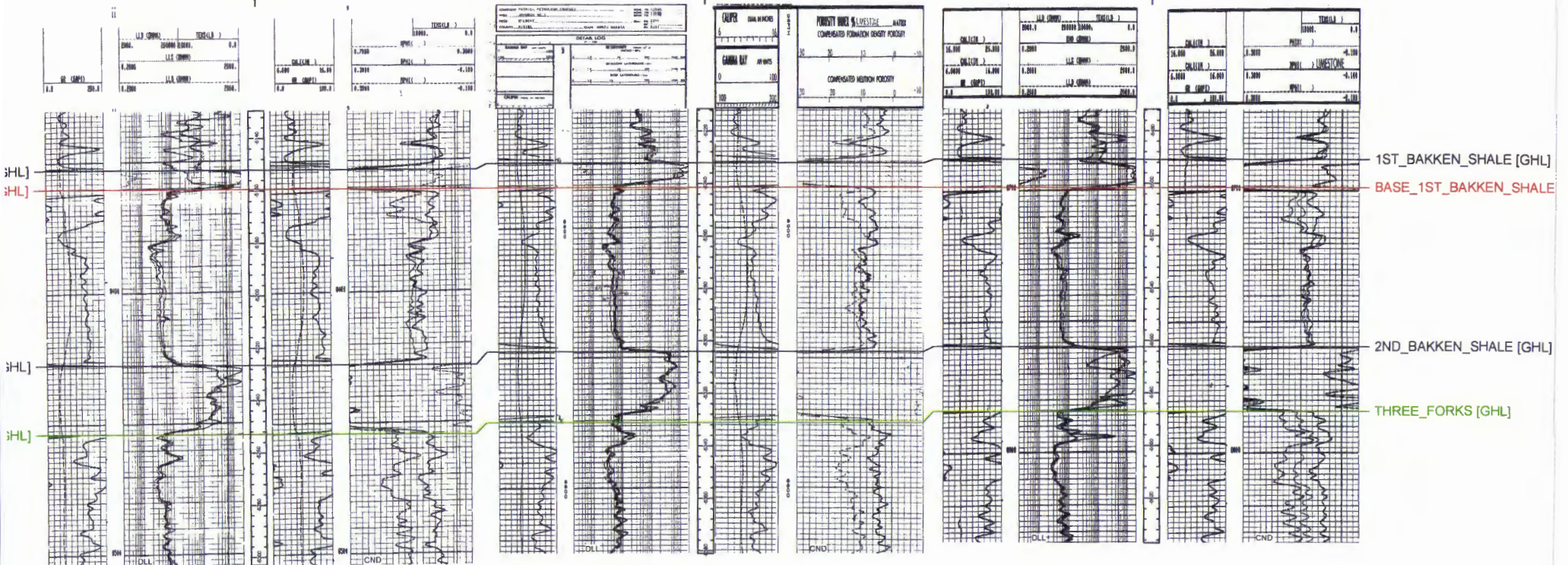
INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA

NORTH DAKOTA PROJECT

ORVILLE RAAUM 1
6652
T162N R101W S27
SOUTHLAND ROYALTY CO.

JOHNSON 1
6751
T161N R101W S3
PATRICK PETROLEUM CO.

BLUE ROCK 29-11
10586
T161N R101W S29
GETTY OIL CO.



INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA
DATE 4-24-13 CASE NO. 19794
Introduced By Murex
Exhibit 6
Identified By Kemp

Exhibit #6

3'

RIVELAND 1-12
8561
T161N R101W S12
TENNECO OIL CO.

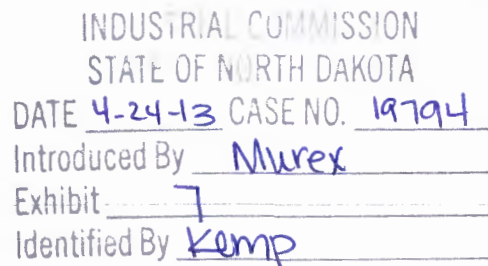


Exhibit #7

**Murex Petroleum Corporation
Writing Rock Bakken
Divide County, North Dakota
Per Well Reserves & Economics**

RESERVES

Reservoir	Bakken	
Estimated Initial Reservoir Pressure	4295	psi
Reservoir Temperature	175	F
Resistivity of Formation Water -Rw	.015	Ohm-m
Thickness	55'	Avg.
Porosity	10	% avg.
Water Saturation - Archie	32	%
Acreage	1280	Acres
Bo - (calc)	1.60	RB/STB
Bubble Point Pressure - (calc)	1731	psia
Oil API Gravity	42.7	
Reservoir Drive Mechanism	Solution Gas	
OOIP	23,211,931	STB
Recovery Factor	2	%
GOR	875	Scf/STB
Recoverable Reserves	464,239	STB
	406,209	Mcf

ECONOMICS

Investment	\$7,115,000	
OPEX	\$15,000	/mth
Qi	500	BOPD
Decline	85	%
B Factor	1.2	
Oil Price	\$80.00	STBO
Gas Price	\$4.00	MCF
Present Value Discounted 10%	\$7,878,665	
Payout	1.4	Years
Rate of Return	60	%
Cumulative Undiscounted Cash Flow	\$16,121,022	
Discounted Return on Investment	2.1	

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA
DATE 4-24-13 CASE NO. 19794
Introduced By Murex
Exhibit 8
Identified By Kemp

Exhibit #8

ASTRO-CHEM LAB, INC.

4102 2nd Ave. West

Williston, North Dakota 58802-0972

Phone: (701) 572-7355

P.O. Box 972

OIL ANALYSIS REPORT

SAMPLE NUMBER 0-13-1672

DATE OF ANALYSIS 3-19-13

COMPANY Murex Petroleum

CITY Tioga

STATE ND

WELL NAME Lori Ann 4-9H

DATE RECEIVED 3-18-13

DST NUMBER

SAMPLE SOURCE

FORMATION

DEPTH

LOCATION

SECTION

TOWNSHIP

RANGE

DISTRIBUTION Distribution List

Specific Gravity : 0.8123 at 60/60 °F
API Gravity : 42.7 at 60 °F
Salt Content : 6 lbs/1000 bbls
Pour Point : <-40 °F
Viscosity : 1.86 Kinematic cSt at 100 °F
32.1 Saybolt Universal Seconds at 100 °F
Total Sulfur : 0.12 % by Weight
BS&W : 29 % in Gross Sample
0.1 % in Sample as Analyzed
Paraffin : 0.62 % by Weight

REMARKS

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA
DATE 4-24-13 CASE NO. 19794
Introduced By Murex
Exhibit 9
Identified By Kemp

ANALYZED BY:

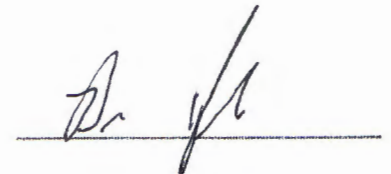


Exhibit #9

ASTRO-CHEM LAB, INC.

4102 2nd Ave. West

Williston, North Dakota 58802-0972
P.O. Box 972

Phone: (701) 572-7355

NATURAL GAS ANALYSIS

COMPANY Murex Petroleum

DATE OF ANALYSIS 3-7-13

LEASE Lori Ann 4-9H

DATE SAMPLED 3-7-13

TEMPERATURE °F

SAMPLE SOURCE

PRESSURE PSI

SAMPLE NUMBER G-13-1449

SAMPLED BY EE

TYPE OF ANALYSIS GAS

ANALYSIS BY CJ

FORMATION

INTERVAL

LOCATION

SECTION

TOWNSHIP

RANGE

DISTRIBUTION Double EE Service
Attn: Boomer

COMPONENT	MOLE %	GPM
Nitrogen	4.27	0.000
Methane	36.70	0.000
Carbon Dioxide	0.74	0.000
Ethane	15.62	4.171
H2S	0.00	0.000
Propane	19.99	5.481
i-Butane	2.64	0.860
n-Butane	9.50	2.982
i-Pentane	2.18	0.793
n-Pentane	3.36	1.210
Hexanes+	5.00	2.190
Oxygen/Argon	0.00	0.000
Total	100.00	17.687

CALCULATED SPECIFIC GRAVITY 1.2668 (Air =1.0000)

CALCULATED GROSS BTU/ft³ 1998 (Saturated) 2033 (Dry) at 14.73 psi and 60°F

REMARKS On-Site H2S = 0.5 ppm by EE Service

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA

DATE 4-24-13 CASE NO. 19794

Introduced By Murex

Exhibit 10

Identified By Kemp

Exhibit #10

ASTRO-CHEM LAB, INC.

4102 2nd Ave. West

Williston, North Dakota 58802-0972
P.O. Box 972

Phone: (701) 572-7355

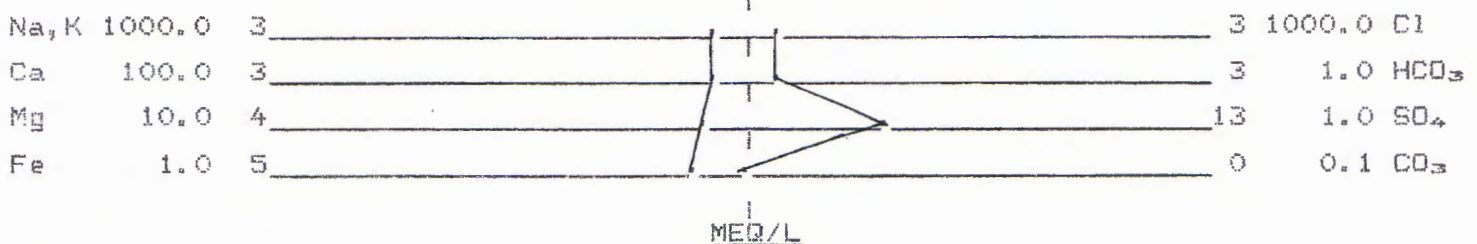
WATER ANALYSIS REPORT

SAMPLE NUMBER W-13-1671 DATE OF ANALYSIS 3-18-13
COMPANY Murex Petroleum
CITY Tioga STATE ND
WELL NAME AND/OR NUMBER Lori Ann 4-9H
DATE RECEIVED 3-18-13 DST NUMBER
SAMPLE SOURCE
LOCATION OF SEC. TWN. RANGE COUNTY
FORMATION DEPTH
DISTRIBUTION Distribution List

RESISTIVITY @ 77°F = 0.057 Ohm-Meters pH = 6.29
SPECIFIC GRAVITY @ 77°F = 1.115 H₂S = Negative
TOTAL DISSOLVED SOLIDS (CALCULATED) = 188649 mg/L (169192 ppm)
SODIUM CHLORIDE (CALCULATED) = 184644 mg/L (165600 ppm)

CATION	MEQ/L	mg/L	ANION	MEQ/L	mg/L
CALCIUM	280.0	5555	CHLORIDE	3158.4	111975
MAGNESIUM	40.0	444	CARBONATE	0.0	0
SODIUM	2914.3	67000	BICARBONATE	3.0	183
IRON	5.0	93.0	SULFATE	13.2	634
CHROMIUM	0.0	0.0	NITRATE	0.0	0
BARIUM	0.1	4.6			
POTASSIUM	70.6	2760			

WATER ANALYSIS PATTERN



REMARKS

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA

DATE 4-24-13 CASE NO. 19794

Introduced By Murex

Exhibit 11

Identified By Kemp

ANALYZED BY: C. Jungsels

Exhibit #11

Kadrmass, Bethany R.

From: Lisa Herberholz <lherberholz@crowleyfleck.com>
Sent: Friday, March 01, 2013 3:57 PM
To: Kadrmass, Bethany R.
Cc: Glenn A. Kemp; John W. Morrison
Subject: Continue Case
Attachments: NDIC Ltr - Continue 19794.pdf

Please see the attached request to continue Case No. 19794. Thank you.

Lisa

CROWLEY FLECK
ATTORNEYS

Lisa Herberholz

Administrative Assistant
Crowley Fleck PLLP
400 East Broadway Avenue, Suite 600
P.O. Box 2798
Bismarck, ND 58502
Direct 701.224.7538
Fax 701.222.4853
✉ lherberholz@crowleyfleck.com

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CROWLEY | FLECK PLLP
ATTORNEYS

John W. Morrison
400 East Broadway, Suite 600
P.O. Box 2798
Bismarck, ND 58502-2798
Office: 701.223.6585
Direct: 701.224.7534
jmorrison@crowleyfleck.com

March 1, 2013

Via Electronic Mail

Bethany Kadrmas
Oil & Gas Division
ND INDUSTRIAL COMMISSION
600 E. Blvd. Ave., Dept. 405
Bismarck, ND 58505-0840

**In re: Murex Petroleum Corp.
Case No. 19794**

Dear Bethany:

On March 27, 2013, Murex Petroleum Corporation intends to request that Case No. 19794 be continued until the regularly scheduled April, 2013 hearings.

If you have any questions, please let me know.

Very truly yours,



John W. Morrison

lh

cc (via e-mail): Glenn Kemp



Oil and Gas Division

Lynn D. Helms - Director

Bruce E. Hicks - Assistant Director

Department of Mineral Resources

Lynn D. Helms - Director

North Dakota Industrial Commission

www.dmr.nd.gov/oilgas/

March 1, 2013

TO: MUREX PETROLEUM CORP
515 N SAM HOUSTON PKY E
HOUSTON TX 77060

FROM: North Dakota Industrial Commission
Governor Jack Dalrymple, Chairman

SUBJECT: Temporary Spacing Hearing; Case No. 19794

The temporary spacing for the development of an oil and/or gas pool discovered by the 24485 - LORI ANN 4-9H well, located in the LOT2 of Section 4, T.161N., R.101W., DIVIDE County, North Dakota will be considered at the North Dakota Industrial Commission hearing on March 27, 2013.

Three copies of all exhibits to be used at the hearing are to be prefiled with Mr. Bruce E. Hicks, Assistant Director, North Dakota Industrial Commission Oil & Gas Division, 600 East Boulevard Ave.-Dept. 405, Bismarck, ND 58505-0840 five (5) days prior to the date of the hearing.

The Industrial Commission, pursuant to North Dakota Administrative Code 43-02-03-18 part 4 desires full and consistent information from all participants in spacing hearings, especially the operators. Thus, effective immediately the Commission requires the following information be prefiled:

- 1) Name, address, and phone number of the operator of the discovery well.
- 2) Size and shape of the spacing units, well locations, and field rules being requested. If the requested spacing units are rectangular, indicate the desired orientation. Include any requests for exceptions needed.
- 3) A map showing all wells within one (1) mile of the area being considered for spacing and the pools from which they produce.
- 4) The pool's geologic formation (including stratigraphic definition) and the geographic area of the proposed field.
- 5) The following data must be included:
 - a) Initial reservoir pressure and any subsequent reservoir pressures
 - b) Pertinent production data
 - c) Oil analysis
 - d) Gas analysis
 - e) Gas-oil ratio
 - f) Porosity of net pay
 - g) Thickness of net pay
 - h) Water saturation of net pay
 - i) Oil formation volume factor
 - j) Reservoir temperature

- 6) The following data must be included if available:
 - a) Permeability
 - b) Resistivity or salinity of formation water
 - c) Oil Pour Point
 - d) Reservoir Drive Mechanism
 - e) Bubble Point Pressure
- 7) Pertinent economics.
- 8) Maximum area of efficient and effective drainage by wells and supporting data.
- 9) Estimated original oil in place and expected recovery.
- 10) Disposition of all fluids.
- 11) A lease ownership map showing working interest ownership, non-working interest ownership, and lease expiration dates.
- 12) A structure map, isopach map, and cross section if pertinent.
- 13) A complete suite of logs if not previously filed.

A person or persons knowledgeable of the information submitted and capable of answering questions on the data must testify at the hearing. An exception to this requirement can be made if the following requirements are met:

- 1) No further development is anticipated.
- 2) The information requested above is prefiled ten (10) days prior to the scheduled hearing.
- 3) Prefiled exhibits are accompanied by signed affidavits from the person or persons who prepared the exhibits attesting to the following:
- 4)
 - a) Their professional qualifications as an expert witness.
 - b) That they prepared, supervised preparation, or reviewed the documents.
 - c) That the documents are true and correct.
 - d) Identification of each exhibit, and explanation of the pertinence of the exhibit to the temporary spacing matter at hand.
- 5) No one appears to oppose the temporary spacing request. If the operator declines to appear and an interested party does appear to oppose the temporary spacing request or submits a written objection, it may result in the matter being continued and an appearance by the operator required. In addition, you should be aware that in the event an Industrial Commission order is appealed the court decision will be based entirely on the hearing record. The lack of hearing testimony could result in an incomplete record.

In order to develop timely communication, all operators are asked to advise the Commission of the name and address of the person(s) responsible for regulatory matters for their company. Such person(s) will be notified of pending spacing matters.



Lynn D. Helms
Director

BEFORE THE INDUSTRIAL COMMISSION
OF THE STATE OF NORTH DAKOTA



Application of Murex Petroleum)
Corporation to consider the temporary)
spacing to develop an oil and/or gas pool)
discovered by the Lori Ann 4-9H well)
located in Lot 2 of Section 4, T.161 N.,)
R.101 W., Divide County, ND, define the)
limits of the field, and enact such special)
field rules as may be necessary.)

APPLICATION

COMES NOW the applicant, Murex Petroleum Corporation, and respectfully alleges as follows:

1. It is the owner of an interest in the oil and gas leasehold estate underlying all or portions of Sections 4 and 9, Township 161 North, Range 101 West, Divide County, North Dakota.
2. It has drilled and completed the Lori Ann 4-9 well in Lot 2 said Section 32.
3. Applicant desires that the Commission enter an order establishing temporary spacing for the oil and gas pool discovered by the well, defining the limits of the field, and enacting such special field rules as may be necessary.
4. Applicant requests that it be allowed to present testimony by telephone pursuant to Section 43-02-03-88.2 of the North Dakota Administrative Code.

WHEREFORE, applicant respectfully requests that this matter be set for hearing at the regularly scheduled hearings in March, 2013 and that thereafter the Commission enter its order granting the relief requested.

Dated this 22nd day of February, 2013.

MUREX PETROLEUM CORPORATION

CROWLEY FLECK PLLP
Attorneys for the Applicant
Suite 600, 400 East Broadway
P.O. Box 2798
Bismarck, ND 58502

By: _____

JOHN W. MORRISON

STATE OF NORTH DAKOTA)

) ss.

COUNTY OF BURLEIGH)

John W. Morrison, being first duly sworn on oath, deposes and says that he is the attorney for the applicant herein named, that he has read the above and foregoing application, knows the contents thereof, and that the same is true to the best of this affiant's knowledge, information and belief.

JOHN W. MORRISON

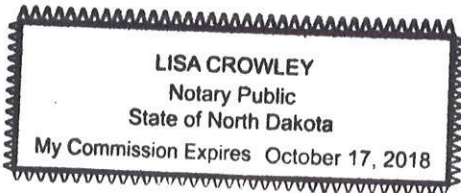
Subscribed and sworn to before me this 22nd day of February, 2013.

(SEAL)

Notary Public

Burleigh County, North Dakota

My Commission Expires:



John W. Morrison
400 East Broadway, Suite 600
P.O. Box 2798
Bismarck, ND 58502-2798
Office: 701.223.6585
Direct: 701.224.7534
jmorrisson@crowleyfleck.com

February 22, 2013

Mr. Bruce Hicks
Oil & Gas Division
ND INDUSTRIAL COMMISSION
600 E. Blvd. Ave., Dept. 405
Bismarck, ND 58505-0840



In re: Murex Petroleum Corporation Application

Dear Mr. Hicks:

Please find enclosed for filing one application for the March, 2013 regular docket.

Thank you.

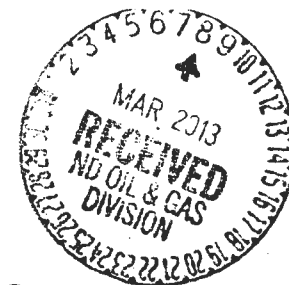
Very truly yours,

A handwritten signature in blue ink, appearing to be "JW Morrison", written over the typed name.

John W. Morrison

lh
enc.

cc (via e-mail w/enc.): Dave Elder



Affidavit of Publication

State of North Dakota, County of Divide, ss:
I, Cecile L. Krimm, being first duly sworn, on my oath, say that I am the publisher of The Journal,
a weekly newspaper of general circulation and official newspaper of Divide County, State of North
Dakota, published in the city of Crosby, ND, and that the advertisement headed

NOTICE OF HEARING N.D. INDUSTRIAL COMMISSION OIL AND GAS DIVISION
a printed copy of which is here attached, was published in The Journal on the following date:

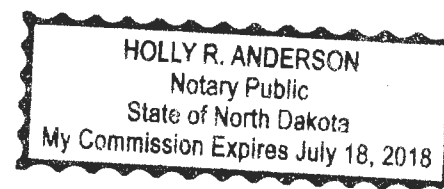
March 6, 2013257 lines @ .63 = \$161.91

TOTAL CHARGE\$161.91

Signed Cecile L. Krimm
Cecile L. Krimm, Publisher

Subscribed and sworn to before me March 6, 2013

Holly R. Anderson
Notary Public, State of North Dakota



**NOTICE OF HEARING
N.D. INDUSTRIAL COMMISSION OIL AND GAS DIVISION**

The North Dakota Industrial Commission will hold a public hearing at 9:00 a.m. Wednesday, March 27, 2013, at the N.D. Oil & Gas Division, 1000 East Calgary Ave., Bismarck, N. D. At the hearing the Commission will receive testimony and exhibits. Persons with any interest in the cases listed below, take notice.

PERSONS WITH DISABILITIES: If at the hearing you need special facilities or assistance, contact the Oil and Gas Division at 701-328-8038 by Thursday, March 14, 2013.

STATE OF NORTH DAKOTA TO:

Case No. 19792: Application of SM Energy Co. for an amending the applicable orders for the Ambrose, West Ambrose, and Colgan-Bakken Pools (1) to allow up to eight horizontal wells to be drilled on some or all of the 1280-acre spacing units within said pools; (2) to establish twenty-two overlapping 2560-acre spacing units in one or more of said pools and allow one or more horizontal wells to be drilled thereon, said overlapping spacing units described as Sections 16, 17, 20 and 21; Sections 17, 18, 19 and 20; Sections 28, 29, 32 and 33; Sections 29, 30, 31 and 32; T.163N., R.99W.; Sections 18 and 19; T.163N., R.99W.; and Sections 13 and 24; T.163N., R.100W.; and Sections 30 and 31; T.163N., R.99W., and Sections 25 and 36; T.163N., R.100W.; Sections 1, 2, 11 and 12; Sections 2, 3, 10 and 11; Sections 3, 4, 9, and 10; Sections 4, 5, 8 and 9; Sections 5, 6, 7 and 8; Sections 13, 14, 23 and 24; Sections 14, 15, 22 and 23; Sections 15, 16, 21 and 22; Sections 16, 17, 20 and 21; Sections 17, 18, 19 and 20; Sections 25, 26, 35 and 36; Sections 26, 27, 34 and 35; Sections 27, 28, 33 and 34; T.163N., R.100W.; Sections 18 and 19; T.163N., R.100W., and Sections 13 and 24; T.163N., R.101W.; and Sections 13, 14, 23 and 24; and Sections 14, 15, 22 and 23; T.163N., R.101W.; Divide County, ND; and (3) granting such other relief as may be appropriate.

Case No. 19794: Application of Murex Petroleum Corp. to consider the temporary spacing to develop an oil and/or gas pool discovered by the Lori Ann #4-9H well located in Lot 2 of Section 4, T.161N., R.101W., Divide County, ND, define the limits of the field, and enact such special field rules as may be necessary.

Case No. 19823: Application of

Hess Corp. for an order pursuant to NDAC 43-02-03-88.1 authorizing the flaring of gas produced from the AV-Kimball-162-95-1102H-1 well, SWSE, Section 11, T.162N., R.95W., Divide County, ND, pursuant to the provisions of NDCC 38-08-06.4, and such other relief as is appropriate.

Case No. 19844: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 3 and 10; T.162N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is

Case No. 19845: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 4 and 9; T.162N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is appropriate.

Case No. 19846: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 5 and 8; T.162N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is appropriate.

Case No. 19847: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 15 and 22; T.162N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is

Case No. 19848: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 16 and 21; T.162N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is

Case No. 19849: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 17 and 20; T.162N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is

Case No. 19850: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 18 and 19; T.162N., R.101W., Divide County,

ND, as provided by NDCC 38-08-08, and such other relief as is

Case No. 19851: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 27 and 34; T.162N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is

Case No. 19852: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 28 and 33; T.162N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is

Case No. 19853: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 29 and 32; T.162N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is

Case No. 19854: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 30 and 31; T.162N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is

Case No. 19855: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 1 and 12; T.161N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is

Case No. 19856: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 2 and 11; T.161N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is

Case No. 19857: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 3 and 10; T.161N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is

Case No. 19858: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 4 and 9; T.161N., R.101W., Divide County,

ND, as provided by NDCC 38-08-08, and such other relief as is appropriate.

Case No. 19859: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 5 and 8; T.161N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is appropriate.

Case No. 19860: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 13 and 24; T.161N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is

Case No. 19861: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 14 and 23; T.161N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is

Case No. 19862: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 15 and 22; T.161N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is

Case No. 19863: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 17 and 20; T.161N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is

Case No. 19864: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 26 and 35; T.161N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is

Case No. 19865: Application of Murex Petroleum Corp. for an order pursuant to NDAC 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 27 and 34; T.161N., R.101W., Divide County, ND, as provided by NDCC 38-08-08, and such other relief as is

Signed by,
Jack Dalrymple, Governor
Chairman, ND Industrial
(3-6)

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Affidavit of Publication

State of North Dakota) SS County of Burleigh
Before me, a Notary Public for the State of North Dakota
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sworn and subscribed to before me this 15th
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NOTICE OF HEARING
N.D. INDUSTRIAL COMMISSION
OIL AND GAS DIVISION

The North Dakota Industrial Commission will hold a public hearing at 9:00 a.m. Wednesday, March 27, 2013, at the N.D. Oil & Gas Division, 1000 East Calgary Ave., Bismarck, N.D. At the hearing the Commission will receive testimony and exhibits. Persons with any interest in the cases listed below, take notice.

PERSONS WITH DISABILITIES: If at the hearing you need special facilities or assistance, contact the Oil and Gas Division at 701-328-8038 by Thursday, March 14, 2013.

STATE OF NORTH DAKOTA TO:

Case No. 19790: Proper spacing for the development of the Willow Creek-Bakken Pool, McKenzie and Williams Counties, ND, redefine the field limits, and enact such special field rules as may be necessary. Continental Resources, Inc.; Oasis Petroleum North America LLC

Case No. 19791: Proper spacing for the development of the Baker-Bakken Pool, McKenzie and Williams Counties, ND, redefine the field limits, and enact such special field rules as may be necessary. Oasis Petroleum North America LLC; Slawson Exploration Co., Inc.; SM Energy Co.

Case No. 19792: Application of SM Energy Co. for an amending the applicable orders for the Ambrose, West Ambrose, and Colgan-Bakken Pools (1) to allow up to eight horizontal wells to be drilled on some or all of the 1280-acre spacing units within said pools; (2) to establish twenty-two overlapping 2560-acre spacing units in one or more of said pools and allow one or more horizontal wells to be drilled thereon, said overlapping spacing units described as Sections 16, 17, 20 and 21; Sections 17, 18, 19 and 20; Sections 28, 29, 32 and 33; Sections 29, 30, 31 and 32; T.163N., R.99W.; Sections 18 and 19, T.163N., R.99W., and Sections 13 and 24, T.163N., R.100W.; and Sections 30 and 31, T.163N., R.99W., and Sections 25 and 36, T.163N., R.100W.; Sections 1, 2, 11 and 12; Sections 2, 3, 10 and 11; Sections 3, 4, 9, and 10; Sections 4, 5, 8 and 9; Sections 5, 6, 7 and 8; Sections 13, 14, 23 and 24; Sections 14, 15, 22 and 23; Sections 15, 16, 21 and 22; Sections 16, 17, 20 and 21; Sections 17, 18, 19 and 20; Sections 25, 26, 35 and 36; Sections 26, 27, 34 and 35; Sections 27, 28, 33 and 34, T.163N., R.100W.; Sections 18 and 19, T.163N., R.100W., and Sections 13 and 24, T.163N., R.101W.; and Sections 13, 14, 23 and 24; and Sections 14, 15, 22 and 23, T.163N., R.101W.; Divide County, ND; and (3) granting such other relief as may be appropriate.

Case No. 19793: Proper spacing for the development of the Rawson-Bakken Pool, McKenzie County, ND, redefine the field limits, and enact such special field rules as may be necessary. Murex Petroleum Corp.; Petro-Hunt, L.L.C.; Triangle USA Petroleum Corp.; Zenergy, Inc.

Case No. 19794: Application of Murex Petroleum Corp. to consider the temporary spacing to develop an oil and/or gas pool discovered by the Lori Ann #4-9H well located in Lot 2 of Section 4, T.161N., R.101W., Divide County, ND, define the limits of the field, and enact such special field rules as may be necessary.

Case No. 19583: (Continued) Application of Petro-Hunt, L.L.C. for an order amending the applicable orders for the Charlson-Bakken Pool and the Keene-Bakken/Three Forks Pool to establish one overlapping

2560-acre spacing unit consisting of Sections 20, 21, 28 and 29, T.153N., R.95W., McKenzie County, ND, and authorize one additional horizontal well to be drilled on such overlapping 2560-acre spacing unit and such other relief as is appropriate.

Case No. 19408: (Continued) Application of Petro-Hunt, L.L.C. for an order amending the applicable orders for the Phelps Bay-Bakken Pool, the Charlson-Bakken Pool and the Keene-Bakken/Three Forks Pool to establish three overlapping 2560-acre spacing units consisting of Sections 13, 14, 23 and 24; Sections 14, 15, 22 and 23, T.153N., R.95W.; and Sections 18 and 19, T.153N., R.95W. and 13 and 24, T.153N., R.96W., McKenzie County, ND, and authorize one additional horizontal well to be drilled on each such overlapping 2560-acre spacing unit and such other relief as is appropriate.

Case No. 19408: (Continued) Application of Petro-Hunt, L.L.C. for an order amending the applicable orders for the Charlson-Bakken Pool, McKenzie and Williams Counties, ND, to alter the definition of the stratigraphic limits of the pool and such other and such other relief as is appropriate.

Case No. 14935: (Continued) Application of Hess Corp. for an order suspending, and after hearing revoking, a permit issued to Continental Resources, Inc. for the drilling of the Foster #1-28H well on a drilling unit consisting of Sections 28 and 33, T.153N., R.99W., Williams and McKenzie Counties, ND; and such other relief as is appropriate.

Case No. 19795: Application of Hess Corp. for an order extending the outline and amending the applicable orders for the White Earth-Bakken Pool to include Section 11, T.157N., R.94W., within the field and to establish a 1280-acre spacing unit consisting of Sections 2 and 11, T.157N., R.94W., Mountrail County, ND, and authorize up to six horizontal wells to be drilled on such spacing unit, and such other relief as is appropriate.

Case No. 19796: Application of Hess Corp. for an order amending the applicable orders for the Manitou-Bakken and Big Butte-Bakken Pools to establish two overlapping 2560-acre spacing units consisting of Sections 15, 16, 21 and 22; and Sections 16, 17, 20 and 21, T.156N., R.94W., Mountrail County, ND, for the purpose of drilling one or more horizontal wells between the existing 1280-acre spacing units; and such other relief as is appropriate.

Case No. 19797: Application of Hess Corp. for an order amending the applicable orders for the Truxa-Bakken Pool to establish six overlapping 2560-acre spacing units consisting of Sections 3, 4, 9 and 10; Sections 5, 6, 7 and 8; Sections 17, 18, 19 and 20; and Sections 29, 30, 31 and 32, T.154N., R.98W., Williams County, ND and Sections 14, 15, 22 and 23, T.153N., R.98W., Williams and McKenzie Counties; and Sections 17, 18, 19 and 20, T.153N., R.98W., Williams County, for the purpose of drilling one or more horizontal wells between the existing 1280-acre spacing units; and such other relief as is appropriate.

Case No. 19798: Application of Hess Corp. for an order amending the applicable orders for the Westberg-Bakken Pool to establish an overlapping 2560-acre spacing unit consisting of Sections 16, 17, 20, and 21, T.152N., R.95W., McKenzie County, ND, for the purpose of drilling one or more horizontal wells between the existing 1280-acre spacing units; and such other relief as is appropriate.

Case No. 19800: Application of Hess Corp. for an order amending the applicable orders for the Hawkeye-Bakken Pool to establish two overlapping 2560-acre spacing units consisting of Sections 28, 29, 32 and 33; and Sections 27, 28, 33 and 34, T.152N., R.95W., McKenzie County, ND, for the purpose of drilling one or more horizontal wells between the existing 1280-acre spacing units; and such other relief as is appropriate.

Case No. 19801: Application of Hess Corp. for an order amending the applicable orders for the Blue Butte-Bakken Pool to establish an overlapping 2560-acre spacing unit consisting of Sections 5 and 6, T.150N., R.95W., and Sections 31 and 32, T.151N., R.95W., McKenzie County, ND, for the purpose of drilling one or more horizontal wells between the existing 1280-acre spacing units; and such other relief as is appropriate.

Case No. 19802: Application of Hess Corp. for an order amending the applicable orders for the Timber Creek-Bakken and South Tobacco Garden-Bakken Pools to establish an overlapping 2560-acre spacing unit consisting of Sections 30 and 31, T.150N., R.99W., and Sections 25 and 36, T.150N., R.100W., McKenzie County, ND, for the purpose of drilling one or more horizontal wells between the existing 1280-acre spacing units; and such other relief as is appropriate.

Case No. 19803: Application of Hess Corp. for an order amending the applicable orders for the Cherry Creek-Bakken Pool or such other pool as may be established by the Commission to establish two overlapping 2560-acre spacing units consisting of Sections 1, 2, 11 and 12; and Sections 13, 14, 23 and 24, T.149N., R.99W., McKenzie County, ND, for the purpose of drilling one or more horizontal wells between the existing 1280-acre spacing units; and such other relief as is appropriate.

Case No. 19804: Application of Hess Corp. for an order amending the applicable orders for the Sather Lake-Bakken Pool, McKenzie County, ND, to allow all wells to produce oil at an unrestricted rate and flare gas produced in association therewith until December 31, 2013, or such other time as may be established by the Commission, and such other relief as is appropriate.

Case No. 19805: Application of OXY USA, Inc. for an order amending the applicable orders for the Snow-Bakken Pool to extend the field outline to include Sections 13 and 36, T.142N., R.98W., Billings County, ND; establishing 1280-acre spacing units consisting of Sections 13 and 24; and Sections 25 and 36; and allowing up to six horizontal wells to be drilled on each such spacing unit and such other relief as is appropriate.

Case No. 19806: Application of OXY USA, Inc., to amend the applicable orders for the Murphy Creek-Bakken Pool, Dunn County, ND, to amend the stratigraphic limits for the pool to include from 50 feet above the top of the upper Bakken shale to the top of the Birdbear Formation, and such other relief as is appropriate.

Case No. 19807: Application of OXY USA, Inc. for an order amending the applicable orders to allow wells completed in the Cabernet-Bakken Pool, Dunn County, ND, to produce at a maximum efficient rate and flare gas produced in association with oil until December 31, 2013, and such other relief as is appropriate.

Case No. 19808: Application of OXY USA, Inc. for an order amending the applicable orders to allow wells completed in the Crooked Creek-Bakken Pool, Dunn County, ND, to produce at a maximum efficient rate and flare gas produced in association with oil until December 31, 2013, and such other relief as is appropriate.

Case No. 19809: Application of OXY USA, Inc. for an order amending the applicable orders to allow wells completed in the Hungry Man Butte-Bakken Pool, Billings County, ND, to produce at a maximum efficient rate and flare gas produced in association with oil until December 31, 2013, and such other relief as is appropriate.

Case No. 19810: Application of OXY USA, Inc. for an order amending the applicable orders to allow wells completed in the Little Knife-Bakken Pool, Billings, Dunn and McKenzie Counties, ND, to produce at a maximum efficient rate and flare gas produced in association with oil until December 31, 2013, and such other relief as is appropriate.

Case No. 19811: Application of OXY USA, Inc. for an order amending the applicable orders to allow wells completed in the Manning-Bakken Pool, Dunn County, ND, to produce at a maximum efficient rate and flare gas produced in association with oil until December 31, 2013, and such other

Case No. 19812: Application of OXY USA, Inc. for an order amending the applicable orders to allow wells completed in the Russian Creek-Bakken Pool, Dunn County, ND, to produce at a maximum efficient rate and flare gas produced in association with oil until December 31, 2013, and such other relief as is appropriate.

Case No. 19813: Application of OXY USA, Inc. for an order amending the applicable orders to allow wells completed in the Saddle Butte-Bakken Pool, Billings County, ND, to produce at a maximum efficient rate and flare gas produced in association with oil until December 31, 2013, and such other relief as is appropriate.

Case No. 19814: Application of OXY USA, Inc. for an order amending the applicable orders to allow wells completed in the Simon Butte-Bakken Pool, Dunn County, ND, to produce at a maximum efficient rate and flare gas produced in association with oil until December 31, 2013, and such other relief as is appropriate.

Case No. 19815: Application of OXY USA, Inc. for an order amending the applicable orders to allow wells completed in the St. Anthony-Bakken Pool, Dunn County, ND, to produce at a maximum efficient rate and flare gas produced in association with oil until December 31, 2013, and such other relief as is appropriate.

Case No. 19816: Application of OXY USA, Inc. for an order amending the applicable orders to allow wells completed in the Willmen-Bakken Pool, Billings and Dunn Counties, ND, to produce at a maximum efficient rate and flare gas produced in association with oil until December 31, 2013, and such other relief as is appropriate.

Case No. 19817: Application of Kodiak Oil & Gas (USA) Inc. for an order amending the applicable orders for the Poe-Bakken Pool to designate a 2560-acre spacing unit consisting of Sections 5 and 6, T.151N., R.99W., and Sections 31 and 32, T.152N., R.99W., McKenzie County, ND and authorize up to two horizontal wells to be drilled on such spacing unit, eliminating any tool error requirement; and such other relief as is appropriate.

Case No. 19818: Application of Kodiak Oil & Gas (USA) Inc. for an order amending the applicable orders for the Moccasin Creek-Bakken Pool to (i) authorize up to three wells to be drilled on the 320-acre spacing units consisting of the E/2 and W/2 of Section 34, T.148N., R.93W., and the W/2 of Section 2 and E/2 of Section 3, T.147N., R.93W.; (ii) establish two overlapping 640-acre spacing units consisting of all of Section 34, T.148N., R.93W., and the W/2 of Section 2 and E/2 of Section 3, T.147N., R.93W., for the purpose of drilling two or more horizontal wells between the existing 320-acre spacing units; (iii) authorize up to eight horizontal wells to be drilled on 1280-acre spacing units described as Sections 26 and 27; and Sections 28 and 33, T.148N., R.93W.; and Sections 2 and 11, T.147N., R.93W.; (iv) authorize up to six horizontal wells to be drilled on a 1280-acre spacing unit described as Sections 3 and 10, T.147N., R.93W., Dunn County, ND; and (v) granting such other and further relief as may be appropriate.

Case No. 19819: Application of Marathon Oil Co. for an order amending the applicable orders for the Bailey-Bakken Pool to establish two overlapping 2560-acre spacing units consisting of Sections 16, 17, 20, and 21; and Sections 17, 18, 19, and 20, T.146N., R.94W., Dunn County, ND, for the purpose of drilling one or more horizontal wells between the existing 1280-acre spacing units; and such other relief as is appropriate.

Case No. 19820: Application of Marathon Oil Co. for an order amending the applicable orders for the Bailey-Bakken Pool to establish an overlapping 2560-acre spacing unit consisting of Sections 16, 17, 20, and 21, T.146N., R.93W., Dunn County, ND, for the purpose of drilling one or more horizontal wells between the existing 1280-acre spacing units; and such other relief as is appropriate.

as provided by NDCC § 38-08-08, and other relief as is appropriate.

Re No. 19871: Application of Kodiak Oil & Gas (USA) Inc. for an order pursuant to AC § 43 02-03-88.1 pooling all interests spacing unit described as Sections 17 20, T.159N., R.97W., Corinth-Bakken, Williams County, ND, as provided by

Case No. 19872: Application of Petro-Hunt, LLC for an order amending the applicable orders for the Elm Tree-Bakken Pool, McKenzie and Mountrail Counties, ND, to authorize up to seven horizontal wells to be drilled on each 1280-acre spacing unit within the pool, and such other relief as is appropriate.

Case No. 19873: Application of Petro-Hunt, LLC for an order amending the applicable orders for the Charlson-Bakken Pool, McKenzie, Mountrail and Williams Counties, ND, to authorize up to seven horizontal wells to be drilled on each 640-acre and 1280-acre spacing unit within the pool, and such other relief as is appropriate.

Case No. 19874: Application of Petro-Hunt, LLC for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as Sections 1 and 12, T.153N., R.95W., and Sections 6 and 7, T.153N., R.94W., Charlson-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 19875: Application of Petro-Hunt, LLC for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as Section 18, T.153N., R.95W., Charlson-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 19876: Application of Whiting Oil and Gas Corp., for an order amending the applicable orders for the Sanish-Bakken Pool, to authorize the drilling of up to 10 horizontal wells on a spacing unit described as Sections 1 and 2, T.153N., R.93W., Mountrail County, ND, and such other relief as is appropriate.

Case No. 19877: Application of OXY USA Inc. for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as Sections 18 and 19, T.143N., R.97W., Crooked Creek-Bakken Pool, Dunn County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 19878: Application of OXY USA Inc. for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as Sections 27 and 34, T.143N., R.97W., Willmen-Bakken Pool, Dunn County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 19879: Application of Sequel Energy, LLC for an order allowing production from the Hay Draw-Red River, Hay Draw-Birdbear and Hay Draw-Duperow Pools to be commingled in the well bore of the Hay Draw #32-33 well, located in the SWNE of Section 33, T.147N., R.102W., McKenzie County, ND, and such other relief as is appropriate.

Signed by,
Jack Dalrymple, Governor
Chairman, ND Industrial Commission
3/6 - 609121

NOTICE OF HEARING

N.D. INDUSTRIAL COMMISSION OIL AND GAS DIVISION

The North Dakota Industrial Commission will hold a public hearing at 9:00 a.m. Wednesday, April 24, 2013, at the N.D. Oil & Gas Division, 1000 East Calgary Ave., Bismarck, N. D. At the hearing the Commission will receive testimony and exhibits. Persons with any interest in the cases listed below, take notice.

PERSONS WITH DISABILITIES: If at the hearing you need special facilities or assistance, contact the Oil and Gas Division at 701-328-8038 by Thursday, April 11, 2013.

STATE OF NORTH DAKOTA TO:

— Case No. 20026: Application of Petro-Hunt, LLC for an order amending the applicable orders for the North Tioga and/or the Battleview-Bakken Pools to create thirteen overlapping 2560-acre spacing units consisting of Sections 5, 6, 7 and 8; Sections 7, 8, 17 and 18; Sections 8, 9, 16 and 17; Sections 17, 18, 19 and 20; Sections 20, 21, 28 and 29, T.159N., R.94W.; Sections 27, 28, 33 and 34; and Sections 29, 30, 31 and 32, T.160N., R.94W.; Sections 19 and 30, T.159N., R.94W. and Sections 24 and 25, T.159N., R.95W.; Sections 4 and 5, T.159N., R.94W., and Sections 32 and 33, T.160N., R.94W.; Sections 5 and 6, T.159N., R.94W. and Sections 31 and 32, T.160N., R.94W.; Sections 7 and 18, T.159N., R.94W. and Sections 12 and 13, T.159N., R.95W.; and Section 6, T.159N., R.94W., Section 1, T.159N., R.95W., Section 31, T.160N., R.94W., and Section 36, T.160N., R.95W., Burke, Divide and Williams Counties, ND, and authorize one or more horizontal wells to be drilled on each such overlapping

spacing unit, and such other relief as is appropriate.

— Case No. 19794: (Continued) Application of Murex Petroleum Corp. to consider the temporary spacing to develop an oil and/or gas pool discovered by the Lori Ann #4-9H well located in Lot 2 of Section 4, T.161N., R.101W., Divide County, ND, define the limits of the field, and enact such special field rules as may be necessary.

— Case No. 19906: (Continued) Application of North Plains Energy, LLC for an order waiving the 1220' setback rule for the first well drilled on the 1280-acre spacing unit described as Sections 3 and 10, T.160N., R.100W., Smoky Butte-Bakken Pool, Divide County, ND, eliminating any tool error setback requirements and such other relief as is appropriate.

— Case No. 20037: Application of Terra-Safe Operations, LLC for an order pursuant to NDAC § 43-02-03-51 authorizing the construction of a treating plant to be located in the SWSE of Section 32, T.162N., R.99W., Divide County, ND, and such other relief as is appropriate.

— Case No. 19823: (Continued) Application of Hess Corp. for an order pursuant to NDAC 43-02-03-88.1 authorizing the flaring of gas produced from the AV-Kimball-162-95-1102H-1 well, SWSE, Section 11, T.162N., R.95W., Divide County, ND, pursuant to the provisions of NDCC 38-08-06.4, and such other relief as is appropriate.

Signed by,
Jack Dalrymple, Governor
Chairman, ND Industrial
(4-3)

Affidavit of Publication

State of North Dakota, County of Divide, ss:

I, Cecile L. Krimm, being first duly sworn, on my oath, say that I am the publisher of The Journal, a weekly newspaper of general circulation and official newspaper of Divide County, State of North Dakota, published in the city of Crosby, ND, and that the advertisement headed

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N.D. INDUSTRIAL COMMISSION OIL AND GAS DIVISION

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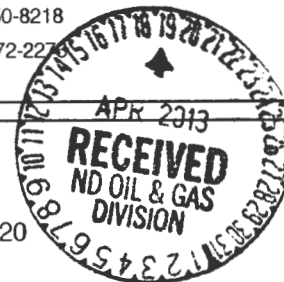
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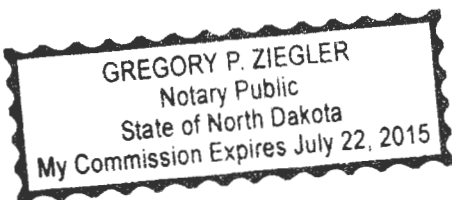
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Affidavit of Publication

State of North Dakota: I, _____, County of Burleigh
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personally appeared CK, who being duly sworn, deposes
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NOTICE OF HEARING N.D. INDUSTRIAL COMMISSION OIL AND GAS DIVISION

The North Dakota Industrial Commission will hold a public hearing at 9:00 a.m. Wednesday, April 24, 2013, at the N.D. Oil & Gas Division, 1000 East Calgary Ave., Bismarck, N.D. At the hearing the Commission will receive testimony and exhibits. Persons with any interest in the cases listed below, take notice.

PERSONS WITH DISABILITIES: If at the hearing you need special facilities or assistance, contact the Oil and Gas Division at 701-328-8038 by Thursday, April 11, 2013.

STATE OF NORTH DAKOTA TO:

Case No. 20014: Proper spacing for the development of the Larson-Bakken Pool, Burke County, ND, redefine the field limits, and enact such special field rules as may be necessary. Hess Corp.

Case No. 20015: Proper spacing for the development of the Manning-Bakken Pool, Dunn County, ND, redefine the field limits, and enact such special field rules as may be necessary. Hess Corp.; OXY USA Inc.

Case No. 19805: (Continued) Application of OXY USA INC. for an order amending the applicable orders for the Snow-Bakken Pool to extend the field outline to include Sections 13 and 36, T.142N., R.98W., Billings County, ND; establishing 1280-acre spacing units consisting of Sections 13 and 24; and Sections 25 and 36; and allowing up to six horizontal wells to be drilled on each such spacing unit and such other relief as is appropriate.

Case No. 20016: Proper spacing for the development of the Missouri Ridge-Bakken Pool, Williams County, ND, redefine the field limits, and enact such special field rules as may be necessary. Oasis Petroleum North America LLC

Case No. 20017: Proper spacing for the development of the Bonetrail-Bakken Pool, Williams County, ND, redefine the field limits, and enact such special field rules as may be necessary. Oasis Petroleum North America LLC

Case No. 18390: (Continued) Proper spacing for the development of the Lone Butte-Bakken Pool, McKenzie and Dunn Counties, ND, redefine the field limits, and enact such special field rules as may be necessary. Burlington Resources Oil & Gas Co. LP; Hess Corp.; Marathon Oil Co.; Resolute Natural Resources Co., LLC

Case No. 19904: (Continued) Application of QEP Energy Co. for an order suspending and, after hearing, revoking the permits issued to WPX Energy Williston, LLC to drill the Charles Blackhawk #31-30HD with a surface location of SESW of Section 31, T.148N., R.92W. (File No. 22655); the Charles Blackhawk #31-30HC well with a surface location of SESW of Section 31, T.148N., R.92W. (File No. 22653); the Charles Blackhawk #31-30HY well with a

surface location of SESW of Section 31, T.148N., R.92W. (File No. 22652); the Charles Blackhawk #31-30 HZ well with a surface location of SESW of Section 31, T.148N., R.92W. (File No. 22654). Dunn County, ND, and such other relief as is appropriate.

Case No. 19905: (Continued) Application of QEP Energy Co. for an order amending the field rules for the Heart Butte-Bakken Pool by (a)(1) increasing the 640-acre spacing unit in the W/2 of Sections 6 and 7, T.147N., R.92W., to a 720-acre spacing unit in the S/2 SW/4 of Section 31, T.148N., R.92W., and the W/2 of Sections 6 and 7, T.147N., R.92W., authorizing the drilling of up to four horizontal wells; (a)(2) grant an exception location for the Charles Blackhawk 31-30HA well from a surface location in the SESW of Section 31, T.148N., R.92W. (Well File No. 22649) well allowing it to produce 115 feet from the S/2 SW/4 of Section 31, T.148N., R.92W.; (a)(3) reducing the 1280-acre spacing unit in Sections 30 and 31 to a 1200-acre spacing unit consisting of Section 30 and the N/2, SE/4 and N/2 SW/4 of Section 31, T.148N., R.92W., authorizing the drilling of up to seven horizontal wells; or, alternatively (b)(1) creating an overlapping 1200-acre spacing unit consisting of Section 30 and the N/2, SE/4 and N/2 SW/4 of Section 31 authorizing the drilling of up to four horizontal wells; and (b)(2) reducing the density of the 1280-acre spacing unit in

Sections 30 and 31, T.148N., R.92W., from authorizing the drilling of up to seven horizontal wells down to three horizontal wells, Dunn County, ND, allowing all horizontal wells to be drilled within each spacing unit to the Bakken Pool at any location not closer than 500 feet to the boundary of the spacing unit except that the toe and heel of any horizontal well should be allowed to be as close as 200 feet to the boundary of the spacing unit or the heel of any horizontal well should be allowed as close as 400 feet from the heel of any other horizontal well, eliminating any tool error requirements, and such other relief as is appropriate.

Case No. 20018: Application of Petro Harvester Operating Co., LLC, for an order allowing the Swenson #4H well to be drilled and completed in such fashion that the lateral may be located as close as 449 feet to the eastern boundary of the 960-acre spacing unit consisting of Section 22 and the W/2 of Section 23, T.163N., R.93W., Burke County, ND, as an exception to the applicable orders and such other as is appropriate.

Case No. 20019: Application of Tracker Resource Development III, LLC, for an order amending the applicable orders for the Catwalk-Bakken Pool to establish a 1280-acre spacing unit consisting of Sections 16 and 21, T.154N., R.100W., Williams County, ND, and allowing up to eight horizontal wells to be drilled at any location not closer than 500 feet to the boundary of such spacing unit, and such other as is appropriate.

Case No. 20020: Application of Whiting Oil and Gas Corp. for an order allowing the Tank #34-7H well to be drilled and completed and produce with the well bore potentially open to the Bakken Pool at a location approximately 12 feet from the south line and 1606 feet from the east line of Section 7, T.156N., R.96W., Williams County, ND, as an exception to the applicable field rules for the Dollar Joe-Bakken Pool, and such other as is appropriate.

Case No. 20021: Application of Whiting Oil and Gas Corp. for an order allowing the Bartleson #13-8-2TFX well to be drilled and completed and produce with the well bore potentially open to the Bakken Pool at a location approximately 2197 feet from the north line of Section 20, T.153N., R.92W., Mountrail County, ND, or approximately 440 feet from the south line of the spacing unit consisting of the S/2 of Sections 17 and 18 and the N/2 of Sections 19 and 20, T.153N., R.92W., Mountrail County, ND, as an exception to the applicable field rules for the Sanish-Bakken Pool, and such other as is appropriate.

Case No. 20022: Application of SM Energy Co. for an order amending the applicable orders for the Baker-Bakken Pool (I) to allow up to nine horizontal wells to be drilled on two 1280-acre spacing units described as Sections 2 and 11; and Sections 3 and 10, T.153N., R.101W., McKenzie County, ND; (2) to establish an overlapping 2560-acre spacing unit consisting of Sections 2, 3, 10 and 11 for the purpose of drilling one or more horizontal wells; and (3) and such other as is appropriate.

Case No. 20023: Application of SM Energy Co. for an order amending the applicable orders for the Dimmick Lake-Bakken Pool, McKenzie County, ND, to extend the stratigraphic definition of the Bakken Pool to include from 50 feet above the top of the Bakken Formation to the top of the Birdbear Formation, and such other as is appropriate.

Case No. 20024: Application of Petro-Hunt, LLC for an order amending the applicable orders for the Charlson, Elm Tree, Phelps Bay-Bakken, and/or the Keene-Bakken/Three Forks Pools, McKenzie County, ND (i) to authorize up to ten wells to be drilled on a 2560-acre spacing unit described as Sections 6 and 7, T.153N., R.94W., and Sections 1 and 12, T.153N., R.95W.; (ii) to establish two 480-acre spacing units consisting of the W/2 of Section 28 and the SW/4 of Section 21; and the W/2 of Section 22 and the SW/4 of Section 15, T.153N., R.95W., and authorize one horizontal well to be drilled on each such spacing unit; (iii) to establish one overlapping 640-acre spacing unit consisting of the S/2 of Section 7 and the N/2 of

Section 18, T.153N., R.95W., and authorize up to two horizontal wells to be drilled on each such spacing unit; (iv) to establish two overlapping 1280-acre spacing units consisting of Sections 3 and 10; and Sections 16 and 17, T.153N., R.95W., and authorize up to three horizontal wells to be drilled on each such spacing unit; (v) to establish two 1280-acre spacing units consisting of Sections 14 and 23, T.153N., R.95W.; and Sections 1 and 12, T.153N., R.96W., and authorize up to seven horizontal wells to be drilled on each such spacing unit; (vi) to establish three 1920-acre spacing units consisting of Sections 5, 6, and 8; Sections 6, 7, and 8; and Sections 7, 17 and 18, T.153N., R.95W., and authorize from two to four wells to be drilled on each such spacing unit; (vii) to establish fifteen overlapping 2560-acre spacing units consisting of Sections 4, 5, 8 and 9; Sections 10, 11, 14 and 15; Sections 13, 14, 23 and 24; Sections 14, 15, 22 and 23; Sections 17, 18, 19 and 20; Sections 21, 22, 27 and 28; Sections 22, 23, 26, and 27; Sections 27, 28, 33 and 34, T.153N., R.95W.; Sections 1 and 2, T.153N., R.95W., and Sections 35 and 36, T.154N., R.95W.; Sections 3 and 4, T.153N., R.95W., and Sections 33 and 34, T.154N., R.95W.; Sections 5 and 6, T.153N., R.95W., and Sections 31 and 32, T.154N., R.95W.; Sections 6 and 7, T.153N., R.95W., and Sections 1 and 12, T.153N., R.96W.; Sections 12 and 13, T.153N., R.95W., and Sections 7 and 18, T.153N., R.94W.; Sections 18 and 19, T.153N., R.95W., and Sections 13 and 24, T.153N., R.96W.; and Sections 5 and 6, T.153N., R.94W., and Sections 31 and 32, T.154N., R.94W.; and authorize up to two horizontal wells to be drilled on each such spacing unit; (viii) to establish two 3840-acre spacing units consisting of Sections 3, 4, 9, 10, 15 and 16; and Sections 20, 21, 28, 29, 32 and 33, T.153N., R.95W., and authorize up to two horizontal wells to be drilled on each such spacing unit; (viii) and such other relief as is appropriate.

Case No. 20025: Application of Petro-Hunt, LLC for an order amending the applicable orders for the Clear Creek, Union Center, Camel Butte, and/or the Edge-Bakken Pools

to create seven overlapping 2560-acre spacing units consisting of Sections 2, 3, 10 and 11; and Sections 3, 4, 9 and 10, T.151N., R.96W.; and Sections 13, 14, 23 and 24; Sections 14, 15, 22 and 23; Sections 26, 27, 34 and 35; Sections 27, 28, 33 and 34; and Sections 23, 24, 25 and 26, T.152N., R.96W., McKenzie County, ND, and authorize one or more horizontal wells to be drilled on each such overlapping spacing unit, and such other relief as is appropriate.

Case No. 20026: Application of Petro-Hunt, LLC for an order amending the applicable orders for the North Tioga and/or the Battleview-Bakken Pools to create thirteen overlapping 2560-acre spacing units consisting of Sections 5, 6, 7 and 8; Sections 7, 8, 17 and 18; Sections 8, 9, 16 and 17; Sections 17, 18, 19 and 20; Sections 19, 20, 29 and 30; and Sections 20, 21, 28 and 29, T.159N., R.94W.; Sections 27, 28, 33 and 34; and Sections 29, 30, 31 and 32, T.160N., R.94W.; Sections 19 and 30, T.159N., R.94W., and Sections 24 and 25, T.159N., R.95W.; Sections 4 and 5, T.159N., R.94W., and Sections 32 and 33, T.160N., R.94W.; Sections 5 and 6, T.159N., R.94W., and Sections 31 and 32, T.160N., R.94W.; Sections 7 and 18, T.159N., R.94W., and Sections 12 and 13, T.159N., R.95W.; and Section 6, T.159N., R.94W., Section 1, T.159N., R.95W., Section 31, T.160N., R.94W., and Section 36, T.160N., R.95W., Burke, Divide and Williams Counties, ND, and authorize one or more horizontal wells to be drilled on each such overlapping spacing unit, and such other relief as is appropriate.

Case No. 19408: (Continued) Application of Petro-Hunt, LLC for an order amending the applicable orders for the Charlson-Bakken Pool, McKenzie and Williams Counties, ND, to alter the definition of the stratigraphic limits of the pool and such other and such other relief as is appropriate.

Case No. 20027: Application of Burlington Resources Oil & Gas Co. LP for an order amending the applicable orders for the Westberg-Bakken and Keene-Bakken/Three Forks Pool to establish two overlapping 1280-acre spacing units consisting of Sections 3 and 4; and Sections 8 and 9, T.152N., R.96W., McKenzie County, ND, for the purpose of drilling one or more horizontal wells between the existing 640 and 1280-acre spacing units; and such other relief as is appropriate.

Case No. 20028: Application of Marathon Oil Co. for an order amending the applicable orders for the Reunion Bay and/or the Big Bend-Bakken Pools to establish two overlapping 2560-acre spacing units consisting of Sections 13, 14, 23 and 24; and Sections 25, 26, 35 and 36, T.151N., R.93W., Mountrail County, ND, and allow one or more horizontal wells to be drilled thereon, and such other relief as is appropriate.

Case No. 20029: Application of Luff Exploration Co. for an order (i) extending the outline and amending the applicable orders for the State Line-Red River Pool to include the S/2 of Section 17 and the SW/4 of Section 16, T.129N., R.102W., Bowman County, ND; (ii) establishing a 640-acre spacing unit consisting of the SW/4 of Section 16, the S/2 of Section 17, and the SE/4 of Section 18, T.129N., R.102W., Bowman County, ND; (iii) authorizing the construction and use of a reserve pit in the drilling of a well on spacing unit as an exception to the applicable regulation; (iv) and such other relief as is appropriate.

Case No. 20030: Application of Luff Exploration Co. for an order (i) extending the outline and amending the applicable orders for the Corey Butte-Red River Pool to include the S/2 of Section 25 and the E/2 of Section 36, T.129N., R.102W., Bowman County, ND; (ii) establishing an overlapping 960-acre spacing unit consisting of Section 36 and the S/2 of Section 25, T.129N., R.102W., Bowman County, ND; (iii) authorizing the construction and use of a reserve pit in the drilling of a well on spacing unit as an exception to the applicable regulation; (iv) and such other relief as is appropriate.

Case No. 20031: Application of G3 Operating, LLC, for an order amending the applicable orders for the Antelope-Sanish Pool, McKenzie and Mountrail Counties, ND, to authorize the drilling of up to twelve horizontal wells on some or all of the 1280-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20032: Application of G3 Operating, LLC, for an order amending the applicable orders for the Eagle Nest-Bakken Pool, Dunn and McKenzie Counties, ND, to authorize the drilling of up to twelve horizontal wells on some or all of the 1280-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20033: Application of G3 Operating, LLC, for an order amending the applicable orders for the Four Bears-Bakken Pool, McKenzie and Mountrail Counties, ND, to authorize the drilling of up to twelve horizontal wells on some or all of the 1280-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20034: Application of G3 Operating, LLC, for an order amending the applicable orders for the McGregory Buttes-Bakken Pool, Dunn County, ND, to authorize the drilling of up to twelve horizontal wells on some or all of the 1280-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20035: Application of G3 Operating, LLC, for an order amending the applicable orders for the Spotted Horn-Bakken Pool, McKenzie and Mountrail Counties, ND, to authorize the drilling of up to twelve horizontal wells on some or all of the 1280-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 1979A: (Continued) Application of Murex Petroleum Corp. to consider the temporary spacing to develop an oil and/or gas pool discovered by the Lori Ann #4-9H well located in Lot 2 of Section 4, T.161N., R.101W., Divide County, ND, define the limits of the field, and enact such special field rules as may be necessary.

Case No. 1960A: (Continued) Application of True Oil LLC for an order amending the applicable orders for the Red Wing Creek and Bowline Fields to create a 1600-acre spacing unit for the Bowline-Bakken Pool consisting of Sections 2 and 11, T.147N., R.101W., and the S/2 of Section 35, T.148N., R.101W., McKenzie County, ND, and to authorize up to 7 horizontal wells to be drilled thereon, and such other relief as is appropriate.

Case No. 20036: Application of Continental Resources, Inc. for an order suspending, and after hearing, revoking the permit issued to Emerald Oil, Inc. to drill the Slugger #1-16-21H well (NDIC File No. 25231), with a surface location in NENW Section 16, T.149N., R.102W., for the drilling unit consisting of Sections 16 and 21, T.149N., R.102W., McKenzie County, ND and for such other relief as is appropriate.

Case No. 19906: (Continued) Application of North Plains Energy, LLC for an order waiving the 1220' setback rule for the first well drilled on the 1280-acre spacing unit described as Sections 3 and 10, T.160N., R.100W., Smoky Butte-Bakken Pool, Divide County, ND, eliminating any tool error setback requirements and such other relief as is appropriate.

Case No. 20037: Application of Terra-Safe Operations, LLC for an order pursuant to NDAC § 43-02-03-51 authorizing the construction of a treating plant to be located in the SWSE of Section 32, T.162N., R.99W., Divide County, ND, and such other relief as is appropriate.

Case No. 20038: Application of Murex Petroleum Corp. for an order allowing up to eight horizontal wells to be drilled and completed on a spacing unit for the Temple-

Bakken Pool described as Sections 13 and 24, T.158N., R.96W., Williams County, ND, and such other relief as is appropriate.

Case No. 20039: Application of Hess Corp. for an order amending the applicable orders for the Lone Tree Lake-Bakken Pool to authorize up to six horizontal wells to be drilled on a 1280-acre spacing unit described as Sections 17 and 20, T.157N., R.99W., Williams County, ND, and such other relief as is appropriate.

Case No. 20040: Application of Hess Corp. for an order amending the applicable orders for the Ray-Bakken Pool to authorize up to six horizontal wells to be drilled on a 1280-acre spacing unit described as Sections 4 and 9, T.157N., R.97W., Williams County, ND, and such other relief as is appropriate.

Case No. 20041: Application of Hess Corp. for an order amending the applicable orders for the Wheelock-Bakken Pool to authorize up to six horizontal wells to be drilled on a 1280-acre spacing unit described as Sections 1 and 12, T.156N., R.98W., Williams County, ND, and such other relief as is appropriate.

Case No. 20042: Application of Hess Corp. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 1 and 12, T.156N., R.98W., Wheelock-Bakken Pool, Williams County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 20043: Application of Hess Corp. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 23 and 24, T.154N., R.94W., Alkali Creek-Bakken Pool, Mountrail County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 19822: (Continued) Application of Hess Corp. for an order pursuant to NDAC § 43-02-03-88.1 authorizing the flaring of gas produced from the AV-Hansen-163-94-1918H-1 well, SESW, Section 19, T.163N., R.94W., Burke County, ND, pursuant to the provisions of NDCC § 38-08-06.4, and such other relief as is appropriate.

Case No. 19823: (Continued) Application of Hess Corp. for an order pursuant to NDAC § 43-02-03-88.1 authorizing the flaring of gas produced from the AV-Kimball-162-95-1102H-1 well, SWSE, Section 11, T.162N., R.95W., Divide County, ND, pursuant to the provisions of NDCC § 38-08-06.4, and such other relief as is appropriate.

Case No. 19824: (Continued) Application of Hess Corp. for an order pursuant to NDAC § 43-02-03-88.1 authorizing the flaring of gas produced from the AV-Iverson-162-94-2314H-1 well, SESW, Section 23, T.162N., R.94W., Burke County, ND, pursuant to the provisions of NDCC § 38-08-06.4, and such other relief as is appropriate.

Case No. 20044: Application of Oasis Petroleum North America LLC for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 13 and 24, T.156N., R.102W., Tyrone-Bakken Pool, Williams County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 20045: Application of Oasis Petroleum North America LLC for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 11 and 12, T.153N., R.93W., Sanish-Bakken Pool, Mountrail County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 20046: Application of Oasis Petroleum North America LLC for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 27 and 28, T.152N., R.100W., Camp-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 20047: Application of SM Energy Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 2, 3, 10 and 11, T.153N., R.101W., Baker-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 20048: Application of SM Energy Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 28 and 33, T.153N., R.97W., Banks-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 20049: Application of Petro-Hunt, LLC for an order amending the applicable orders for the Rawson-Bakken pool, McKenzie County, ND, to authorize up to eight wells to be drilled on a 1280-acre spacing unit described as Sections 15 and 22, T.150N., R.101W., and such other relief as is appropriate.

Case No. 20050: Application of Petro-Hunt, LLC for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 17 and 18, T.154N., R.99W., Stockyard Creek-Bakken Pool, Williams County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 20051: Application of Petro-Hunt, LLC for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 26 and 35, T.151N., R.102W., Nameless-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 20052: Application of Petro-Hunt, LLC for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 3 and 10, T.150N., R.104W., Nelson Bridge-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 19873: (Continued) Application of Petro-Hunt, LLC for an order amending the applicable orders for the Charlson-Bakken Pool, McKenzie, Mountrail and Williams Counties, ND, to authorize up to seven horizontal wells to be drilled on each 640-acre and 1280-acre spacing unit within the pool, and such other relief as is appropriate.

Case No. 20053: Application of Kodiak Oil & Gas (USA) Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 14, 15, 22 and 23, T.154N., R.98W., Truax-Bakken Pool, Williams County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 20054: Application of Kodiak Oil & Gas (USA) Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 27 and 34, T.154N., R.98W., Truax-Bakken Pool, Williams County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 20055: Application of Kodiak Oil & Gas (USA) Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 4, 5, 8 and 9, T.153N., R.97W., Banks-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 20056: Application of Whiting Oil and Gas Corp., for an order amending the applicable orders for the Bell-Bakken Pool, Stark County, ND, to authorize the drilling of up to five horizontal wells on some or all of the 1280-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20057: Application of Whiting Oil and Gas Corp., for an order amending the applicable orders for the Dickinson-Bakken Pool, Stark County, ND, to authorize the

drilling of up to five horizontal wells on some or all of the 1280-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20058: Application of Whiting Oil and Gas Corp., for an order amending the applicable orders for the Dutch Henry Butte-Bakken Pool, Stark County, ND, to authorize the drilling of up to five horizontal wells on some or all of the 1280-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20059: Application of Whiting Oil and Gas Corp., for an order amending the applicable orders for the Fryburg-Bakken Pool, Billings County, ND, to authorize the drilling of up to five horizontal wells on some or all of the 1280-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20060: Application of Whiting Oil and Gas Corp., for an order amending the applicable orders for the Gaylord-Bakken Pool, Billings and Stark Counties, ND, to authorize the drilling of up to five horizontal wells on some or all of the 1280-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20061: Application of Whiting Oil and Gas Corp., for an order amending the applicable orders for the Green River-Bakken Pool, Stark County, ND, to authorize the drilling of up to five horizontal wells on some or all of the 1280-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20062: Application of Whiting Oil and Gas Corp., for an order amending the applicable orders for the New Hradec-Bakken Pool, Stark County, ND, to authorize the drilling of up to five horizontal wells on some or all of the 1280-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20063: Application of Whiting Oil and Gas Corp., for an order amending the applicable orders for the North Creek-Bakken Pool, Stark County, ND, to authorize the drilling of up to five horizontal wells on some or all of the 1280-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20064: Application of Whiting Oil and Gas Corp., for an order amending the applicable orders for the Park-Bakken Pool, Billings County, ND, to authorize the drilling of up to five horizontal wells on some or all of the 1280-acre and 1700-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20065: Application of Whiting Oil and Gas Corp., for an order amending the applicable orders for the South Heart-Bakken Pool, Stark County, ND, to authorize the drilling of up to five horizontal wells on some or all of the 1280-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20066: Application of Whiting Oil and Gas Corp., for an order amending the applicable orders for the Zenith-Bakken Pool, Stark County, ND, to authorize the drilling of up to five horizontal wells on some or all of the 1280-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20067: Application of Whiting Oil and Gas Corp. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 17, 18, 19 and 20, T.153N., R.96W., Sand Creek-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 20068: Application of Whiting Oil and Gas Corp. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 5, 8 and that portion of Section 17 lying outside the boundary of the Theodore Roosevelt National Park, T.140N., R.100W., Park-Bakken Pool, Billings County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 20069: Application of Burlington Resources Oil & Gas Co. LP for an order amending the applicable orders for the Westberg-Bakken pool to authorize up to seven horizontal wells to be drilled on a spacing unit described as Sections 2 and 11, T.152N., R.97W., McKenzie County, ND, and such other relief as is appropriate.

Case No. 20070: Application of OXY USA Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 3 and 10, T.143N., R.97W., Crooked Creek-Bakken Pool, Dunn County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 20071: Application of OXY USA, Inc. for an order pursuant to N.D.A.C. Section 43-02-03-88.1 allowing hydrocarbons produced from the Russian Creek-Madison and Bakken Pools to be commingled in the well bore of the Kadmas #11-25H well, located in the NWNW of Section 25, T.142N., R.97W., Dunn County, ND, and for such other relief as is appropriate.

Case No. 20072: Application of Marathon Oil Co., for an order amending the applicable orders for the Antelope-Sanish Pool, McKenzie and Mountrail Counties, ND, to allow up to seven horizontal wells to be drilled on some or all of the 1280-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20073: Application of Marathon Oil Co., for an order amending the applicable orders for the Four Bears-Bakken Pool to allow up to seven horizontal wells to be drilled on a 1600-acre spacing unit described as Sections 21 and 22 and the E/2 of Section 20, T.152N., R.93W., McKenzie and Mountrail Counties, ND, and such other relief as is appropriate.

Case No. 20074: Application of Marathon Oil Co., for an order amending the applicable orders for the McGregory Buttes-Bakken Pool, Dunn County, ND, to allow up to seven horizontal wells to be drilled on some or all of the 1280-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20075: Application of Marathon Oil Co., for an order amending the applicable orders for the Moccasin Creek-Bakken Pool, Dunn County, ND, to allow up to seven horizontal wells to be drilled on some or all of the 1280-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20076: Application of Marathon Oil Co., for an order amending the applicable orders for the Reunion Bay-Bakken Pool, Dunn, McKenzie and Mountrail Counties, ND, to allow up to seven horizontal wells to be drilled on some or all of the 1600-acre spacing units included within the pool, and such other relief as is appropriate.

Case No. 20077: Application of Marathon Oil Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 30 and 31, T.145N., R.92W., Saxon-Bakken Pool, Dunn County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 19879: (Continued) Application of Sequel Energy, LLC for an order allowing production from the Hay Draw-Red River, Hay Draw-Birdbear and Hay Draw-Duperow Pools to be commingled in the well bore of the Hay Draw #32-33 well, located in the SWNE of Section 33, T.147N., R.102W., McKenzie County, ND, and such other relief as is appropriate.
Case No. 20078: Application of GADECO, LLC for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in spacing unit described as Sections 25 and 36, T.155N., R.99W., Williams County, ND, Epping-Bakken Pool, as provided NDCC § 38-08-08, and such other relief as may be appropriate.

Signed by,
Jack Dalrymple, Governor
Chairman, ND Industrial Commission
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