

BEFORE THE INDUSTRIAL COMMISSION  
OF THE STATE OF NORTH DAKOTA

CASE NO. 26101  
(CONTINUED)  
ORDER NO. 28514

IN THE MATTER OF A HEARING CALLED ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF ARMSTRONG OPERATING, INC. FOR AN ORDER AMENDING THE FIELD RULES FOR THE DICKINSON AND/OR ELAND-LODGEPOLE POOL TO CREATE AND ESTABLISH A 320-ACRE SPACING UNIT, OR IN THE ALTERNATIVE, TO CREATE A 320-ACRE DRILLING UNIT COMPRISED OF THE SW/4 OF SECTION 6 AND THE NW/4 OF SECTION 7, T.139N., R.96W., STARK COUNTY, ND, AUTHORIZING THE DRILLING OF A WELL NOT LESS THAN 500 FEET FROM THE SPACING/DRILLING UNIT BOUNDARY ON SAID 320-ACRE SPACING UNIT OR DRILLING UNIT, AND SUCH OTHER RELIEF AS IS APPROPRIATE.

ORDER OF THE COMMISSION

THE COMMISSION FINDS:

(1) This cause originally came on for hearing at 9:00 a.m. on the 21st day of September, 2017. At that time, counsel for Armstrong Operating, Inc. (Armstrong) requested this case be continued to the regularly scheduled hearing in October 2017. There were no objections, the hearing officer granted the request, and this case was scheduled for hearing on October 19, 2017. At that time, counsel for Armstrong requested this case be continued to the regularly scheduled hearing in November 2017. There were no objections, the hearing officer granted the request, and this case was scheduled for hearing on November 16, 2017. At that time, counsel for Armstrong requested this case be continued to the regularly scheduled hearing in December 2017. There were no objections, the hearing officer granted the request, and this case was scheduled for hearing on December 14, 2017.

(2) The witnesses for Armstrong provided telephonic testimony in this matter pursuant to North Dakota Administrative Code (NDAC) Section 43-02-03-88.2. Telephonic Communication Affidavits were received on December 29, 2017; therefore, such testimony may be considered evidence.

(3) Armstrong made application to the Commission for an order amending the field rules for the Dickinson and/or Eland-Lodgepole Pool to create and establish a 320-acre spacing unit, or in the alternative, to create a 320-acre drilling unit comprised of the SW/4 of Section 6 and the NW/4 of Section 7, Township 139 North, Range 96 West, Stark County, North Dakota (Sections 6 and 7), authorizing the drilling of a well not less than 500 feet from the spacing/drilling unit boundary on said 320-acre spacing unit or drilling unit, and such other relief as is appropriate.

(4) Order No. 15517 entered in Case No. 13244, the most recent spacing order for the Dickinson-Lodgepole Pool, established proper spacing for the development of Zone I at one well per 320 acres and Zone VI at one well per 250 acres. Zone II consists of the Dickinson-Lodgepole Unit. Zone III consists of the West Dickinson-Lodgepole Unit. Zone IV consists of the Duck Creek-Lodgepole Unit. Zone V consists of the Subdivision-Lodgepole Unit.

(5) Order No. 10397 entered in Case No. 8853, as amended by Order No. 10769 entered in Case No. 9164, the most recent spacing orders for the Eland-Lodgepole Pool, established proper spacing for the development of Zone I at one well per 320 acres. Zone II consists of the Eland East-Lodgepole Unit and Zone III consists of the Eland-Lodgepole Unit.

(6) The S/2 of Section 6 is within the Dickinson Field and is currently a laydown 320-acre spacing unit in Zone I in the Dickinson-Lodgepole Pool. There are no wells currently permitted to or producing from said spacing unit.

(7) The NW/4 and N/2 SW/4 of Section 7 is within the Eland Field and is currently a standup 320-acre spacing unit in Zone I in the Eland-Lodgepole Pool. There are no wells currently permitted to or producing from said spacing unit.

(8) Armstrong believes there is a Lodgepole mound that exists separate from the adjacent Eland-Lodgepole Pool mound and Patterson Lake-Lodgepole Pool mound based upon its interpretation of 3-D and 2-D seismic data. Armstrong estimates the mound covers approximately the SW/4 of Section 6, the NW/4 of Section 7, the SE/4 of Section 1, and the NE/4 NE/4 of Section 12, Township 139 North, Range 97 West, Stark County, North Dakota.

(9) Armstrong believes most if not all the Lodgepole mounds in the area are connected by a common aquifer in the water column underneath the mound structures and the producing oil wells in the individual mounds have drawn down the reservoir pressure. Armstrong also believes each mound structure has its own oil column and oil-water-contact and that oil has not been produced from its interpreted mound by oil wells in adjacent mounds, but the reservoir pressure has been drawn down.

(10) Armstrong anticipates it will need to install an injection well in the mound feature for pressure maintenance.

(11) Armstrong owns 100% of the leasehold estate in the SW/4 of Section 6, approximately 93.24% of the leasehold estate in the NW/4 of Section 7, and approximately 96.65% of the leasehold estate in the proposed spacing or drilling unit described as the SW/4 of Section 6 and the NW/4 of Section 7.

(12) Due to the existing Lodgepole spacing and Armstrong's conjecture that a separate mound exists; the Commission believes establishment of a 320-acre drilling unit is appropriate. NDAC Section 43-02-03-18 requires vertical or directional oil wells projected to a depth deeper than the Mission Canyon Formation to be drilled upon a governmental quarter section or equivalent lots, located not less than 660 feet to the boundary of such governmental quarter section or equivalent lots.

(13) Armstrong proposes to drill a directional well into the Lodgepole Formation from a surface location approximately 1780 feet from the north line and 660 feet from the west line of Section 7 to a bottom hole location 785 feet from the north line and 877 feet from the west line of Section 7. In order to facilitate the drilling of the proposed exploratory well, and also increase the likelihood of success, it is essential that greater flexibility be afforded in locating the well than is allowed under the 160-acre drilling unit pursuant to NDAC Section 43-02-03-18. Drilling of the well as proposed and creation of a 320-acre drilling unit are not in compliance with NDAC Section 43-02-03-18. The well design and location as proposed may be preliminary and could be changed for various reasons which is permissible as long as the well design and location still justify the drilling unit.

(14) Armstrong testified it is important to drill at the maximum height of the mound since the seismic reflections are best from this area, which should lead to better interpretation of the data. Armstrong also testified the reservoir has a strong water drive and intercepting the mound at its maximum height is important to delay water production as long as possible.

(15) Armstrong requested a 500-foot setback requirement from the drilling unit boundary. All Lodgepole Pools in the area have a 660-foot setback requirement. Based upon the location of the proposed well, this relief is not necessary.

(16) If the proposed well is productive, the Commission will establish spacing for the development of the pool as provided by statutes and rules of the Commission.

(17) Evidence presented to the Commission indicates that a well drilled to the Lodgepole Formation at the proposed location will produce oil that might otherwise not be produced.

(18) Due to the geological conditions, the creation of the proposed 320-acre drilling unit is necessary to protect correlative rights and the proposed location is the most advantageous point to drill a test well.

(19) Creation of the proposed drilling unit is necessary to protect correlative rights and avoid the drilling of unnecessary wells.

(20) There were no objections to this application.

(21) In order to prevent waste, and to protect correlative rights this application should be granted with limitations.

(22) Since the West Dickinson-Lodgepole Unit is a Zone in the Dickinson-Lodgepole Pool, and the West Dickinson Field is contained within the Dickinson Field boundary, the field boundary of the West Dickinson Field should be shrunk to mirror the West Dickinson-Lodgepole

Unit and Order No. 8187, which established proper spacing for the development of the West Dickinson-Lodgepole Pool at one well per 320 acres, should be terminated. The 320-acre spacing unit in the West Dickinson-Lodgepole Pool described as the SW/4, the N/2 SE/4, and the N/2 S/2 SE/4 of Section 25, Township 140 North, Range 97 West, Stark County, North Dakota, should be retained in the Dickinson-Lodgepole Pool.

(23) Since the Duck Creek-Lodgepole Pool is a Zone in the Dickinson-Lodgepole Pool, and the Duck Creek Field is contained within the Dickinson Field boundary, Order No. 7740, which established proper spacing for the development of the Duck Creek-Lodgepole Pool at one well per 320 acres, should be terminated.

(24) Since the Subdivision-Lodgepole Pool is a Zone in the Dickinson-Lodgepole Pool, and the Subdivision Field is contained within the Dickinson Field boundary, Order No. 8188, which established proper spacing for the development of the Subdivision-Lodgepole Pool at one well per 320 acres, should be terminated.

IT IS THEREFORE ORDERED:

(1) The SW/4 of Section 6 and the NW/4 of Section 7, Township 139 North, Range 96 West, Stark County, North Dakota, is hereby established as a 320-acre drilling unit for the exclusive purpose of drilling one vertical or directional well within said drilling unit within the Lodgepole Pool.

(2) The Director is hereby authorized to exercise continuing jurisdiction in this matter to determine whether a well proposed or drilled upon the 320-acre drilling 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 such drilling unit.

(3) For purposes of this order, the Lodgepole Pool is hereby defined as that accumulation of oil and gas found in the interval from below the base of the Mission Canyon Formation to above the top of the Bakken Formation.

(4) The completion interval in the Lodgepole Pool shall be no closer than 660 feet to the boundary of the drilling unit herein established.

(5) No well shall be drilled or produced in the Lodgepole Pool in the drilling unit herein established, except in conformity with the regulations above, without special order of the Commission after due notice and hearing.

(6) This order as it pertains to the drilling unit herein established shall remain in full force and effect until further order of the Commission.

(7) The 320-acre spacing unit in the Dickinson-Lodgepole Pool described as the S/2 of Section 6, Township 139 North, Range 96 West, Stark County, North Dakota, is hereby terminated.



(8) The 320-acre spacing unit in the Eland-Lodgepole Pool described as the NW/4 and N/2 SW/4 of Section 7, Township 139 North, Range 96 West, Stark County, North Dakota, is hereby terminated.

(9) Order No. 8187, which established proper spacing for the development of the West Dickinson-Lodgepole Pool at one well per 320 acres, is hereby terminated.

(10) Order No. 7740, which established proper spacing for the development of the Duck Creek-Lodgepole Pool at one well per 320 acres, is hereby terminated.

(11) Order No. 8188, which established proper spacing for the development of the Subdivision-Lodgepole Pool at one well per 320 acres, is hereby terminated.

(12) The SW/4, the N/2 SE/4, and the N/2 S/2 SE/4 of Section 25, Township 140 North, Range 97 West, Stark County, North Dakota, is hereby established as a 320-acre spacing unit for the exclusive purpose of drilling one vertical well within said spacing unit within the Dickinson-Lodgepole Pool and Zone VI is hereby redefined to include said spacing unit.

(13) The Dickinson Field is hereby defined as the following described tracts of land in Stark County, North Dakota:

TOWNSHIP 140 NORTH, RANGE 97 WEST, 5TH PM

ALL OF SECTIONS 13, 14, 15, 22, 23, 24, 25, 26, 27, 33, 34, 35 AND 36,

TOWNSHIP 140 NORTH, RANGE 96 WEST, 5TH PM

ALL OF SECTIONS 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 28, 29, 30, 31, 32, 33 AND 35,

TOWNSHIP 139 NORTH, RANGE 97 WEST, 5TH PM

ALL OF SECTIONS 1, 2\*, 3\* AND 10\*, AND THE NE/4 OF SECTION 4,

\*The S/2 SW/4, the SW/4 SE/4, and the S/2 NW/4 SW/4 of Section 2, the E/2 SE/4 of Section 3, and the E/2 E/2 of Section 10 are also within the Eland Field.

TOWNSHIP 139 NORTH, RANGE 96 WEST, 5TH PM

ALL OF SECTIONS 5 AND 6.

(14) The Dickinson-Lodgepole Pool is hereby redefined as the following described tracts of land in Stark County, North Dakota:

ZONE I (Dickinson-Lodgepole Unit)

TOWNSHIP 140 NORTH, RANGE 96 WEST, 5TH PM

ALL OF SECTION 31, THE S/2 S/2 SW/4 OF SECTION 29, THE SE/4 SE/4 SE/4 OF SECTION 30, AND THE W/2, THE W/2 W/2 SE/4, THE W/2 SW/4 NE/4, AND THE SW/4 NW/4 NE/4 OF SECTION 32,

TOWNSHIP 139 NORTH, RANGE 96 WEST, 5TH PM

THE N/2 OF SECTION 5, AND THE N/2 AND SE/4 OF LOT 1, THE N/2 OF LOT 2, AND THE NE/4 OF LOT 3 OF SECTION 6.

ZONE II (Duck Creek-Lodgepole Unit)

TOWNSHIP 140 NORTH, RANGE 97 WEST, 5TH PM

THE SW/4, THE SW/4 SE/4, AND THE SW/4 NW/4 SE/4 OF SECTION 35,

TOWNSHIP 139 NORTH, RANGE 97 WEST, 5TH PM

THE N/2 AND THE N/2 N/2 SW/4 OF SECTION 2.

ZONE III (West Dickinson-Lodgepole Unit)

TOWNSHIP 140 NORTH, RANGE 97 WEST, 5TH PM

ALL OF SECTION 36, THE S/2 S/2 SE/4 OF SECTION 25, AND THE NE/4, THE E/2 SE/4, THE N/2 NW/4 SE/4, AND THE SE/4 NW/4 SE/4 OF SECTION 35.

ZONE IV (Subdivision-Lodgepole Unit)

TOWNSHIP 139 NORTH, RANGE 96 WEST, 5TH PM

THE S/2 OF SECTION 5.

ZONE V (250)

TOWNSHIP 139 NORTH, RANGE 96 WEST, 5TH PM

THE S/2 N/2, LOT 4, THE S/2 AND NW/4 OF LOT 3, THE S/2 OF LOT 2, AND THE SW/4 OF LOT 1 IN SECTION 6.

ZONE VI (320)

TOWNSHIP 140 NORTH, RANGE 97 WEST, 5TH PM

ALL OF SECTIONS 13, 14, 15, 22, 23, 24, 26, 27, 33 AND 34, AND THE N/2, SW/4, N/2 SE/4, AND N/2 S/2 SE/4 OF SECTION 25,

TOWNSHIP 140 NORTH, RANGE 96 WEST, 5TH PM

ALL OF SECTIONS 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 28, AND 35, THE N/2 AND SE/4 OF SECTION 29, THE N/2 AND SW/4 OF SECTION 30, AND THE N/2 OF SECTION 33,

TOWNSHIP 139 NORTH, RANGE 97 WEST, 5TH PM

ALL OF SECTION 1, THE N/2 AND SW/4 OF SECTION 3, AND THE W/2 OF SECTION 10.

(15) The Dickinson-Lodgepole Pool is hereby defined as that accumulation of oil and gas found in the interval from below the base of the Mission Canyon Formation to above the top of the Bakken Formation within the limits of the field as set forth above.

(16) Zone I consists of the Dickinson-Lodgepole Unit. Unit operations shall be conducted pursuant to Order No. 6861.

(17) The unitized formation in Zone I in the Dickinson-Lodgepole Unit shall mean the Lodgepole Formation as identified by Order No. 6607, being that accumulation of oil and gas found in the interval from below the base of the Mission Canyon Formation to above the top of the Bakken Formation.

(18) The unit operator in Zone I shall be permitted to drill additional wells at any location within the Dickinson-Lodgepole Unit area no closer than 660 feet to the boundary of the unit.

(19) Water injection into the Dickinson-Lodgepole Unit will constitute injection into the West Dickinson-Lodgepole Unit and the Commission will deem that the West Dickinson-Lodgepole Unit is continuing to be operated as an enhanced recovery project.

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

(21) Zone II consists of the Duck Creek-Lodgepole Unit. Unit operations shall be conducted pursuant to Order No. 7411.

(22) The unitized formation in Zone II in the Duck Creek-Lodgepole Unit shall mean the accumulation of oil and gas found in the interval from below the base of the Mission Canyon Formation to above the top of the Bakken Formation.

(23) The unit operator in Zone II shall be permitted to drill additional wells at any location within the Duck Creek-Lodgepole Unit area no closer than 660 feet to the boundary of the unit.

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

(25) Zone III consists of the West Dickinson-Lodgepole Unit. Unit operations shall be conducted pursuant to Order No. 8092.

(26) The unitized formation in Zone III in the West Dickinson-Lodgepole Unit shall mean the Lodgepole Formation as identified by Order No. 7557, being that accumulation of oil and gas found in the interval from below the base of the Mission Canyon Formation to above the top of the Bakken Formation.

(27) The unit operator in Zone III shall be permitted to drill additional wells at any location within the West Dickinson-Lodgepole Unit area no closer than 660 feet to the boundary of the unit.

(28) Water injection into the Dickinson-Lodgepole Unit will constitute injection into the West Dickinson-Lodgepole Unit and the Commission will deem that the West Dickinson-Lodgepole Unit is continuing to be operated as an enhanced recovery project.

(29) Zone III in the Dickinson-Lodgepole Pool shall not be extended except by further order of the Commission after due notice and hearing.

(30) Zone IV consists of the Subdivision-Lodgepole Unit. Unit operations shall be conducted pursuant to Order No. 8402.

(31) The unitized formation in the Subdivision-Lodgepole Unit is the common source of supply of hydrocarbons underlying the unit area described as the Lodgepole Formation and identified by the Compensated Neutron Litho-Density Log run in the State Addition 5 #1 well (File No. 13973), located in the NW/4 SE/4 (1410 feet from the south line and 1700 feet from the east line) of Section 5, Township 139 North, Range 96 West, Stark County, North Dakota, with the top of the Lodgepole Formation being found at a depth of 9654 feet below the surface (-7188 subsea) and the base of the Lodgepole Formation being found at a depth of 9927 feet below the surface (-7461 subsea) or to the stratigraphic equivalent thereto.

(32) The unit operator in Zone IV shall be permitted to drill additional wells at any location within the Subdivision-Lodgepole Unit area no closer than 660 feet to the boundary of the unit.

(33) Zone IV in the Dickinson-Lodgepole Pool shall not be extended except by further order of the Commission after due notice and hearing.

(34) The proper spacing for the development of Zone V in the Dickinson-Lodgepole Pool is hereby set at one well per 250-acre spacing unit.

(35) All wells in Zone V in the Dickinson-Lodgepole Pool shall be located not less than 660 feet from a spacing unit boundary unless granted an exception by the Commission after due notice and hearing.

(36) The S/2 N/2, Lot 4, the S/2 and NW/4 of Lot 3, the S/2 of Lot 2 and the SW/4 of Lot 1 in Section 6, Township 139 North, Range 96 West, Stark County, North Dakota, are hereby designated a 250-acre spacing unit in Zone V in the Dickinson-Lodgepole Pool.

(37) Spacing units hereafter created in Zone V in the Dickinson-Lodgepole Pool shall be designated by the Commission after due notice and hearing.

(38) Zone V in the Dickinson-Lodgepole Pool shall not be extended except by further order of the Commission after due notice and hearing.

(39) The proper spacing for the development of Zone VI in the Dickinson-Lodgepole Pool is hereby set at one well per 320-acre spacing unit.

(40) All wells in Zone VI in the Dickinson-Lodgepole Pool shall be located not less than 660 feet from a spacing unit boundary unless granted an exception by the Commission after due notice and hearing.

(41) The SW/4, the N/2 SE/4, and the N/2 S/2 SE/4 of Section 25, Township 140 North, Range 97 West, Stark County, North Dakota, is hereby designated a 320-acre spacing unit in Zone VI in the Dickinson-Lodgepole Pool.

(42) Spacing units hereafter created in Zone VI in the Dickinson-Lodgepole Pool shall consist of two adjacent quarter sections, or governmental lots corresponding thereto within the same section. The configuration of spacing units, either standup or laydown, shall be determined by the location of the first well in the section, such that the aforesaid well will be nearest to the center of the spacing unit. Spacing units for wells being equi-distant from the center of each spacing unit shall be designated by the operator; however, the Commission shall have continuing jurisdiction, and in the event that spacing units hereafter formed by this policy do not coincide with the geological and physical nature of the reservoir, the Commission may alter specific spacing units upon application by any interested party, after due notice and hearing.

(43) Zone VI in the Dickinson-Lodgepole Pool shall not be extended except by further order of the Commission after due notice and hearing.

(44) The operator of any horizontally drilled well in the Dickinson-Lodgepole 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.

(45) 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 Dickinson-Lodgepole Pool.

(46) 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 Dickinson-Lodgepole 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 Dickinson-Lodgepole Pool as the Commission deems appropriate.

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

(48) The following rules concerning the casing, tubing and equipping of the wells shall apply to the subsequent drilling and operation of wells in the Dickinson-Lodgepole 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 1000 pounds per square inch. If, at the end of 30 minutes this pressure has dropped 100 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.

(49) 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 Dickinson-Lodgepole 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 7271 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 therefor can be demonstrated to his satisfaction. All additional gas-oil ratio and reservoir pressure determinations conducted on any well, but not specifically required herein, shall be reported to the Director within 15 days following the end of the month in which they are determined.

(50) 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.

(51) All wells in the Dickinson-Lodgepole Pool connected to a gas gathering and processing facility 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. Immediately after the completion of any well in the Dickinson-Lodgepole Pool, the operator shall file with the Director a Completion Report (Form 6). Within 30 days, or a reasonable time thereafter, following the filing of a Completion Report, a hearing shall be docketed to have the operator show cause why the production restriction imposed herein should not remain in place until such time a plan of unitization and secondary recovery operations for the reservoir is submitted and considered by the Commission.

(52) All wells in the Dickinson-Lodgepole Pool not connected to a gas gathering and processing facility shall be allowed to produce at a maximum efficient rate for a period of 30 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; 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 production rates of wells shall be in accordance with paragraph (51) above. The Director is hereby authorized to issue an administrative order allowing unrestricted production at a maximum efficient rate for a period not to exceed 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, if the necessity therefor can be demonstrated to the Director's satisfaction.

(53) All wells in the Duck Creek-Lodgepole Unit connected to a gas gathering and processing facility shall be allowed to produce at a maximum efficient rate. Wells not connected to a gas gathering and processing facility shall be allowed to produce at an average rate of 1000 barrels of oil per day for a period of 30 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; 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 hereby authorized to permit the flaring of gas produced with an average production rate of 1000 barrels of oil per day for an additional 60 days from wells not connected to a gas gathering and processing facility, if the necessity therefor can be demonstrated to the Director's satisfaction.

(54) If the flaring of gas produced with crude oil from the Dickinson-Lodgepole Pool is determined by the North Dakota Department of Health as causing a violation of the North Dakota Air Pollution Control Rules (NDAC Article 33-15), production from the pool may be further restricted.

(55) This portion of this order shall cover all of the Dickinson-Lodgepole Pool common source of supply of crude oil and/or natural gas as herein defined, and continues in full force and effect until further order of the Commission or until the last well in the pool has been plugged and abandoned.

(56) The Eland Field is hereby defined as the following described tracts of land in Stark County, North Dakota:

TOWNSHIP 139 NORTH, RANGE 97 WEST, 5TH PM

ALL OF SECTIONS 11, 12 AND 13, THE S/2 SW/4, THE SW/4 SE/4, AND THE S/2 NW/4 SW/4 OF SECTION 2\*, THE E/2 SE/4 OF SECTION 3\*, THE E/2 E/2 OF SECTION 10\*, THE S/2, THE NE/4, THE E/2 NW/4, AND THE SW/4 NW/4 OF SECTION 14, THE NE/4 AND THE NE/4 NW/4 OF SECTION 23, AND THE N/2, THE N/2 SW/4, THE N/2 SE/4, AND THE SE/4 SE/4 OF SECTION 24,

\*The S/2 SW/4, the SW/4 SE/4, and the S/2 NW/4 SW/4 of Section 2, the E/2 SE/4 of Section 3, and the E/2 E/2 of Section 10 are also within the Dickinson Field.

TOWNSHIP 139 NORTH, RANGE 96 WEST, 5TH PM

ALL OF SECTIONS 18 AND 19, AND THE W/2 OF SECTION 7.

(57) The Eland-Lodgepole Pool is hereby redefined as the following described tracts of land in Stark County, North Dakota:

ZONE I (Eland-Lodgepole Unit)

TOWNSHIP 139 NORTH, RANGE 97 WEST, 5TH PM

ALL OF SECTION 13, THE S/2 SW/4, THE SW/4 SE/4, AND THE S/2 NW/4 SW/4 OF SECTION 2\*, THE E/2 SE/4 OF SECTION 3\*, THE E/2 E/2 OF SECTION 10\*, ALL OF SECTION 11 EXCEPT A TRACT OF LAND IN THE SW/4 SW/4 BEGINNING AT THE SOUTHWEST CORNER OF SECTION 11, THENCE DUE NORTH 183 FEET ALONG THE WEST SECTION LINE TO A POINT, THENCE 123 FEET DUE EAST TO A POINT, THENCE 183 FEET DUE SOUTH TO A POINT ON THE SOUTH SECTION LINE, THENCE 123 FEET DUE WEST ALONG SAID SECTION LINE TO THE POINT OF BEGINNING, THE S/2 NW/4, THE NW/4 NW/4, THE SW/4 NE/4, AND THE S/2 OF SECTION 12 EXCEPT THAT PORTION OF THE NE/4 NW/4 SE/4 AND THE NE/4 SE/4, LYING NORTH OF THE NORTHERN BOUNDARY OF THE NORTHERN PACIFIC RAILWAY COMPANY (NOW BURLINGTON NORTHERN) RAILROAD RIGHT OF WAY, THE S/2, THE NE/4, THE E/2 NW/4, AND THE SW/4 NW/4 OF SECTION 14, THE NE/4 AND THE NE/4 NW/4 OF SECTION 23, AND THE N/2, THE N/2 SW/4, THE N/2 SE/4, AND THE SE/4 SE/4 OF SECTION 24,

\*The S/2 SW/4, the SW/4 SE/4, and the S/2 NW/4 SW/4 of Section 2, the E/2 SE/4 of Section 3, and the E/2 E/2 of Section 10 are also within the Dickinson Field.

TOWNSHIP 139 NORTH, RANGE 96 WEST, 5TH PM

ALL OF SECTION 19, THE S/2 SW/4 OF SECTION 7, AND THE W/2 AND THE SW/4 SE/4 OF SECTION 18.

ZONE II (Eland East-Lodgepole Unit)

TOWNSHIP 139 NORTH, RANGE 96 WEST, 5TH PM

THE NE/4, THE N/2 SE/4, AND THE SE/4 SE/4 OF SECTION 18.



(58) The Eland-Lodgepole Pool is hereby defined as that accumulation of oil and gas found in the interval from below the base of the Mission Canyon Formation to above the top of the Bakken Formation within the limits of the field as set forth above.

(59) Zone I consists of the Eland-Lodgepole Unit. Unit operations shall be conducted pursuant to Order No. 7774, as amended.

(60) The unitized formation in Zone I in the Eland-Lodgepole Unit shall mean the Lodgepole Formation for the reservoir or common pool as now recognized by the Compensated Neutron Litho-Density Log run in the Knopik 1-11 well (File No. 13715 )on December 4, 1994, located in the NW/4 NW/4 (755 feet from the north line and 735 feet from the west line) of Section 11, Township 139 North, Range 97 West, Stark County, North Dakota, with the top of the Lodgepole Formation being found at a depth of 9713 feet below the surface (-7203 subsea) and the base of the Unitized Formation being found at a depth of 9967 below the surface (-7462 subsea) or to the stratigraphic equivalent thereto.

(61) The unit operator in Zone I shall be permitted to drill additional wells at any location within the Eland-Lodgepole Unit area no closer than 660 feet to the boundary of the unit.

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

(63) Zone II consists of the Eland East-Lodgepole Unit. Unit operations shall be conducted pursuant to Order No. 10769.

(64) The unitized formation in Zone II in the Eland East-Lodgepole Unit shall mean the common source of supply of hydrocarbons as identified by the Compensated Neutron Litho-Density Log dated March 16, 1996 run in the Gruman FL 18 #1 well (File No. 14141), located in the NE/4 SE/4 of Section 18, Township 139 North, Range 96 West, Stark County, North Dakota, with the top of the Unitized Formation being found at a depth of 9776 feet below the surface (-7314 feet subsea) and the base of the Unitized Formation being found at a depth of 9878 feet below the surface (-7416 feet subsea) or to the stratigraphic equivalent thereto within the limits of the Unit area.

(61) The unit operator in Zone II shall be permitted to drill additional wells at any location within the Eland East-Lodgepole Unit area no closer than 660 feet to the boundary of the unit. All portions of the well bore not isolated by cement of any horizontal well hereafter drilled shall be no closer than 660 feet to the boundary of the Unit. Wells presently permitted to or producing from the pool that do not conform to this spacing pattern shall be considered exceptions.

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

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

(64) The operator of any directionally or horizontally drilled well in the Eland-Lodgepole 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.

(65) 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 Eland-Lodgepole Pool.

(66) 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 Eland-Lodgepole 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 Eland-Lodgepole Pool as the Commission deems appropriate.

(67) The following rules concerning the casing, tubing and equipping of wells shall apply to the subsequent drilling and operation of wells in the Eland-Lodgepole 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 1000 pounds per square inch. If, at the end of 30 minutes this pressure has dropped 100 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. The Petrox Conoco-Gruman 18 #1 well (File No. 14141), located in the NE/4 SE/4 of Section 18, Township 139 North, Range 96 West, Stark County, North Dakota, is hereby allowed to produce without a tubing packer as an exception to the provisions of NDAC Section 43-02-03-21.

(68) 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 Eland-Lodgepole 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 7192 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 therefor can be demonstrated to his satisfaction. All additional gas-oil ratio and reservoir pressure determinations conducted on any well, but not specifically required herein, shall be reported to the Director within 15 days following the end of the month in which they are determined.

(69) 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.

(70) All wells in the Eland-Lodgepole Pool shall be allowed to produce at a maximum efficient rate for a period of 30 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; 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.

(71) If the flaring of gas produced with crude oil from the Eland-Lodgepole Pool is determined by the North Dakota Department of Health as causing a violation of the North Dakota Air Pollution Control Rules (NDAC Article 33-15), production from the pool may be further restricted.

(72) The lease road to the Ranchos #1 well (File No. 13755), located in the SW/4 NW/4 of Section 24, Township 139 North, Range 97 West, Stark County, North Dakota, must come off

the east-west road south of the site approximately 1900 feet from the west boundary line of Section 24. Only a submersible pump or equivalent equipment approved by the Director may be used to pump the well.

(73) The operator shall maintain trees and a fence constructed to screen the Klein #1-23 well site (File No. 13745), located in the NE/4 NE/4 of Section 23, Township 139 North, Range 97 West, Stark County, North Dakota, including all production and related facilities located on the site, from homes in the NW/4 of Section 24, Township 139 North, Range 97 West. The operator shall maintain the fence and trees so long as the Klein #1-23 site is used in any way related to the production of oil or gas.

(74) This portion of this order shall cover all of the Eland-Lodgepole Pool common source of supply of crude oil and/or natural gas as herein defined, and continues in full force and effect until further order of the Commission or until the last well in the pool has been plugged and abandoned.

Dated this 9th day of February, 2018.

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA

By the Director, on behalf of the Commission

/s/ Lynn D. Helms, Director

SFN 5729

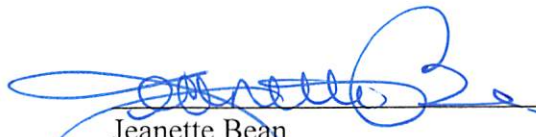
STATE OF NORTH DAKOTA

AFFIDAVIT OF MAILING

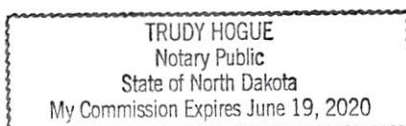
COUNTY OF BURLEIGH


I, Jeanette Bean, being duly sworn upon oath, depose and say: That on the 13th day of February, 2018 enclosed in separate envelopes true and correct copies of the attached Order No. 28514 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. 26101:

LAWRENCE BENDER  
FREDRIKSON & BYRON  
PO BOX 1855  
BISMARCK ND 58502-1855

  
\_\_\_\_\_  
Jeanette Bean  
Oil & Gas Division

On this 13th day of February, 2018 before me personally appeared Jeanette Bean 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:** Rage, Samantha <SRage@fredlaw.com>  
**Sent:** Friday, December 29, 2017 2:51 PM  
**To:** Kadrmass, Bethany R.  
**Cc:** Entzi-Odden, Lyn  
**Subject:** Armstrong Case No. 26101  
**Attachments:** Armstrong 26101-c.pdf

---

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---

Bethany,

Please see the attached letter. Thank you.

**Sammy Rage**  
**Legal Administrative Assistant**

**Fredrikson**

**& BYRON, P.A.**

1133 College Drive  
Suite 1000  
Bismarck, ND 58501  
Main Phone: 701.221.8700  
Fax: 701.221.8750  
[srage@fredlaw.com](mailto:srage@fredlaw.com)

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December 29, 2017

**VIA EMAIL**

Mr. Bruce Hicks  
Assistant Director  
NDIC, Oil and Gas Division  
600 East Boulevard  
Bismarck, ND 58505-0310

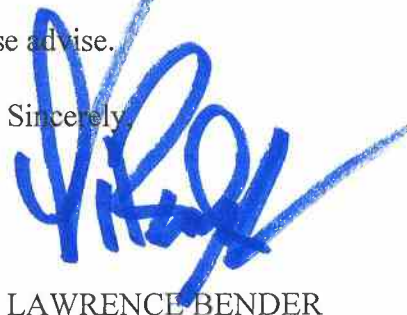
**RE: NDIC CASE NO. 26101  
ARMSTRONG OPERATING, INC.**

Dear Mr. Hicks:

Please find enclosed herewith for filing the original fully executed TELEPHONIC COMMUNICATION AFFIDAVITS in the captioned matter.

Should you have any questions, please advise.

Sincerely,



LAWRENCE BENDER

LB/sr  
Enclosures

cc: Mr. Paul Clarys (via email w/ enc.)


63010331.1

Attorneys & Advisors  
main 701.221.8700  
fax 701.221.8750  
fredlaw.com


Fredrikson & Byron, P.A.  
1133 College Drive, Suite 1000  
Bismarck, North Dakota  
58501-1215

## Case No. 26101

## TELEPHONIC COMMUNICATION AFFIDAVIT

  
PAUL CLARYS

LAURA PERRY  
NOTARY PUBLIC, STATE OF NORTH DAKOTA  
MY COMMISSION EXPIRES MAY 24, 2023

  
Notary Public  
62921875.1



BEFORE THE NORTH DAKOTA INDUSTRIAL COMMISSION

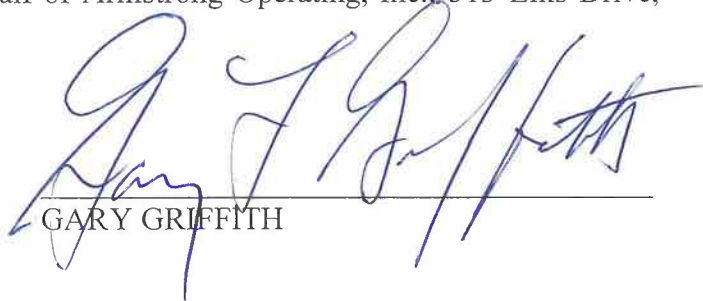
OF THE STATE OF NORTH DAKOTA

Case No. 26101

Application of Armstrong Operating, Inc. for an order amending the field rules for the Dickinson and/or Eland-Lodgepole Pool to create and establish a 320-acre spacing unit, or in the alternative, to create a 320-acre drilling unit comprised of the SW/4 of Section 6 and the NW/4 of Section 7, T.139N., R.96W., Stark County, ND, authorizing the drilling of a well not less than 500 feet from the spacing/drilling unit boundary on said 320-acre spacing unit or drilling unit and such other relief as is appropriate.

TELEPHONIC COMMUNICATION AFFIDAVIT

Gary Griffith being first duly sworn deposes and states as follows: That on December 14, 2017, I testified under oath before the North Dakota Industrial Commission in Case No. 26101. My testimony was presented by telephone from (707)431-5200, at the offices of JOG Corporation, 150 North Street, Healdsburg, CA 95488, on behalf of Armstrong Operating, Inc., 513 Elks Drive, Dickinson, ND 58601.

  
GARY GRIFFITH

STATE OF CALIFORNIA     )  
  ) ss.  
COUNTY OF SONOMA     )

*California Jurat is Attached*

On \_\_\_\_\_, 2017, Gary Griffith of JOG Corporation, 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.

\_\_\_\_\_  
Notary Public  
62921927.1

**CALIFORNIA JURAT WITH AFFIANT STATEMENT**

**GOVERNMENT CODE § 8202**

- ☒ See Attached Document (Notary to cross out lines 1-6 below)  
☐ See Statement Below (Lines 1-6 to be completed only by document signer[s], *not* Notary)

1  
2  
3  
4  
5  
6

Signature of Document Signer No. 1      Signature of Document Signer No. 2 (if any)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California  
 County of Sonoma

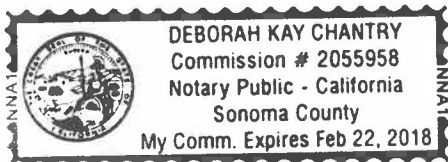
Subscribed and sworn to (or affirmed) before me  
 on this 14<sup>th</sup> day of December, 2017,  
 by      Date      Month      Year

(1) Gary Griffith

(and ~~(2)~~ \_\_\_\_\_),

Name(s) of Signer(s)

proved to me on the basis of satisfactory evidence  
 to be the person(s) who appeared before me.



Signature Deborah Kay Chantry  
 Signature of Notary Public

Seal  
 Place Notary Seal Above

**OPTIONAL**

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document: Telephonic Communication Affidavit Document Date: Dec 14, 2017

Number of Pages: 1 Signer(s) Other Than Named Above: \_\_\_\_\_

**Kadrmass, Bethany R.**

---

**From:** Rage, Samantha <SRage@fredlaw.com>  
**Sent:** Thursday, December 21, 2017 3:57 PM  
**To:** Hicks, Bruce E.  
**Cc:** Bender, Lawrence; Entzi-Odden, Lyn; Kadrmass, Bethany R.  
**Subject:** Armstrong Case No. 26101  
**Attachments:** Armstrong 26101-c.pdf; OLD 10 Hearing 12\_2017-c.ppt

---

**CAUTION:** This email originated from an outside source. Do not click links or open attachments unless you know they are safe.

---

Mr. Hicks,

Please see the attached for filing. Thank you.

**Sammy Rage**  
**Legal Administrative Assistant**

**Fredrikson**

**& BYRON, P.A.**

1133 College Drive  
Suite 1000  
Bismarck, ND 58501  
Main Phone: 701.221.8700  
Fax: 701.221.8750  
[srage@fredlaw.com](mailto:srage@fredlaw.com)

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December 21, 2017

**VIA EMAIL**

Mr. Bruce Hicks  
North Dakota Industrial Commission  
Oil and Gas Division  
600 East Boulevard  
Bismarck, North Dakota 58505-0310

**RE: Case No. 26101: Application of Armstrong Operating, Inc. for an order amending the field rules for the Dickinson and/or Eland-Lodgepole Pool to create and establish a 320-acre spacing unit, or in the alternative, to create a 320-acre drilling unit comprised of the SW/4 of Section 6 and the NW/4 of Section 7, T.139N., R.96W., Stark County, ND, authorizing the drilling of a well not less than 500 feet from the spacing/drilling unit boundary on said 320-acre spacing unit or drilling unit and such other relief as is appropriate.**

Dear Mr. Hicks:

As you requested, please find enclosed herewith a digital copy of the Lodgepole Mound Well Cross-Section with regard to the captioned matter.

Should you require anything further, please advise.

Sincerely,



LAWRENCE BENDER

LB/sr

Enclosure

cc: Mr. Paul Clarys - (w/enc.) *Via Email*

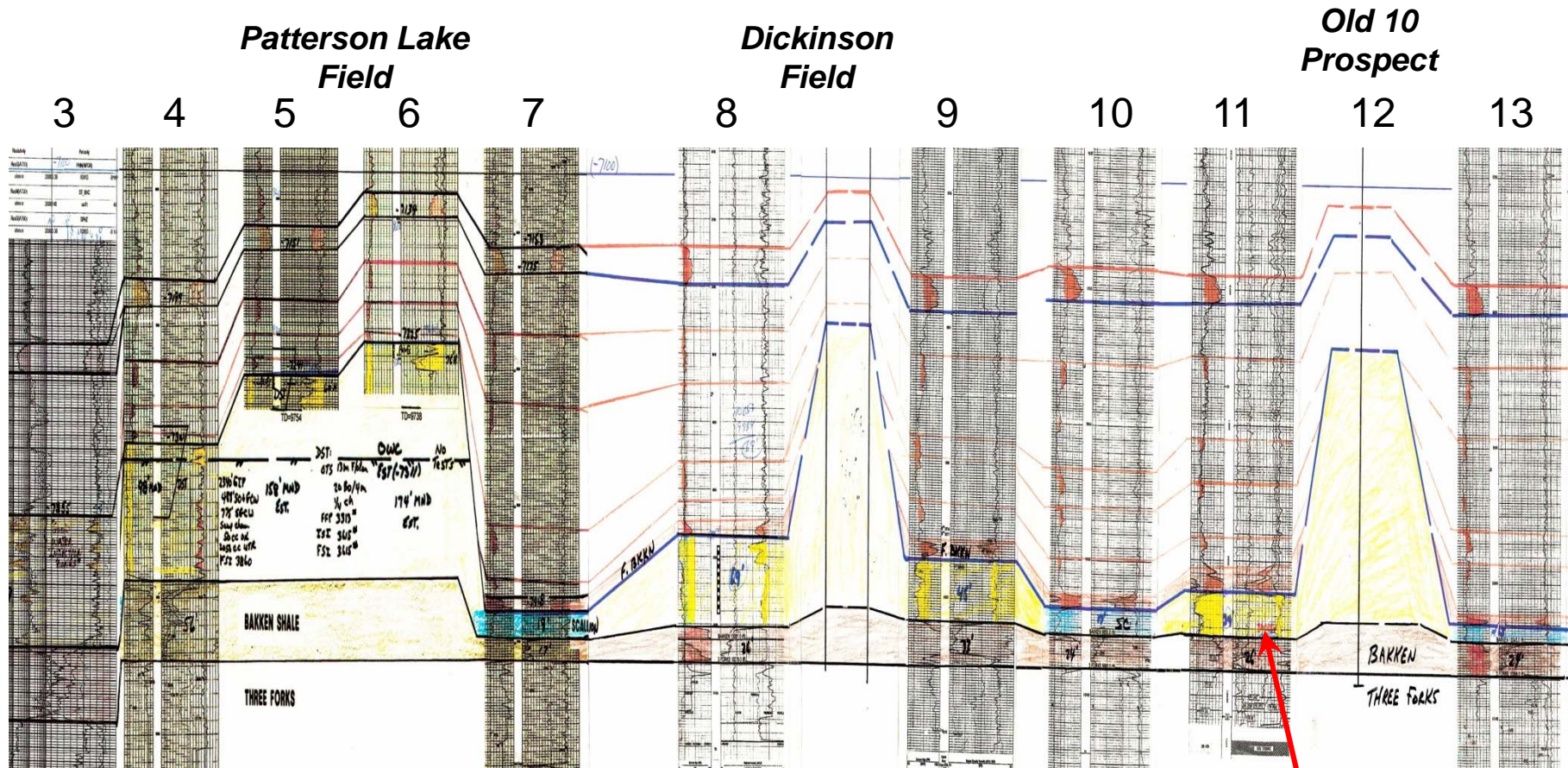
62969561.1

Attorneys & Advisors  
main 701.221.8700  
fax 701.221.8750  
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Fredrikson & Byron, P.A.  
1133 College Drive, Suite 1000  
Bismarck, North Dakota  
58501-1215



# Cross-Section Lodgepole Mound Wells 3 -13



**34' Scallion  
(Partial Mound B/U)?**

Armstrong Operating Inc.  
Lodgepole Mound Well Crossection  
Stark Co. ND  
CASE No. 26101  
14 December 2017

Exhibit No.

# **Armstrong Operating, Inc.**

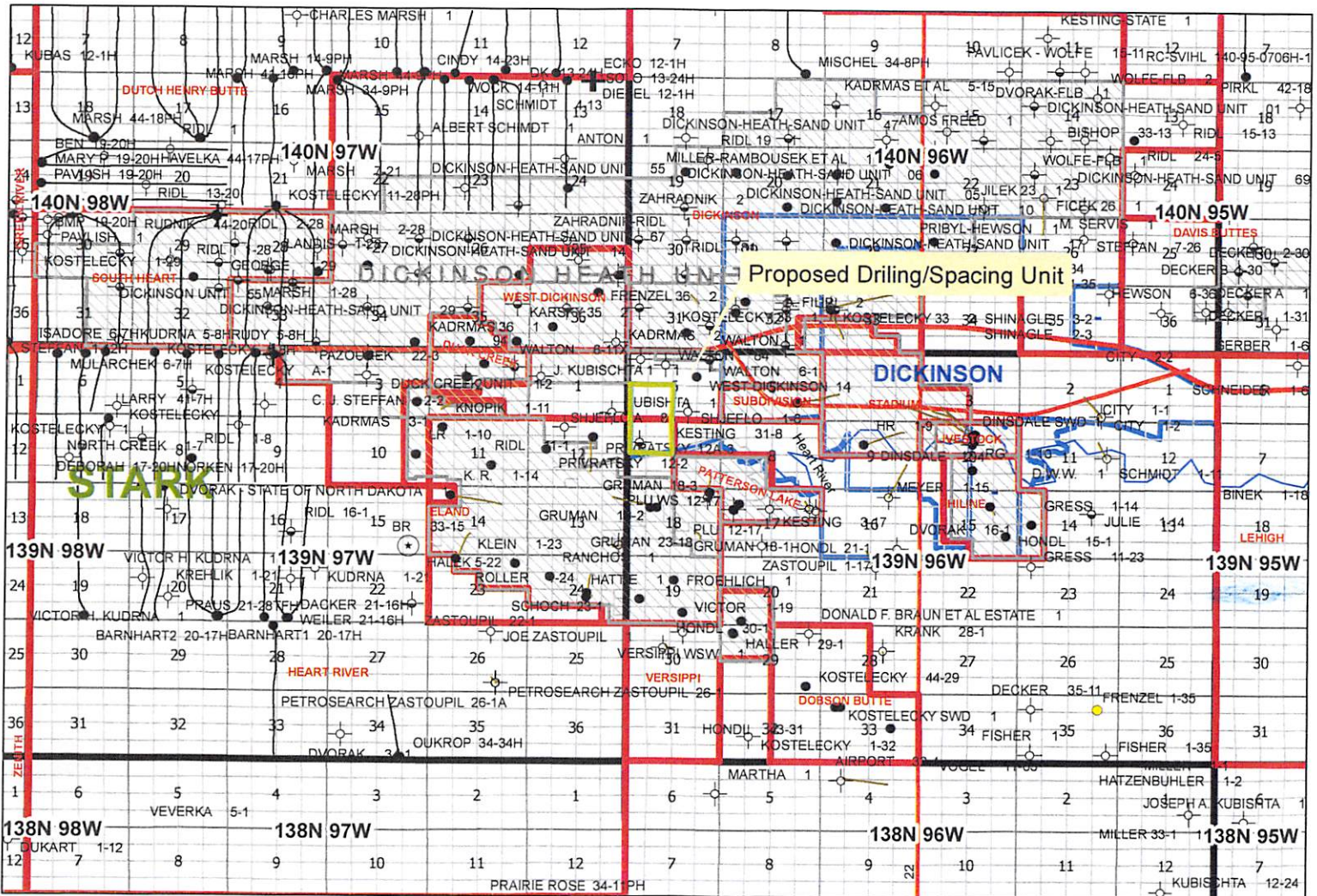
## **Case No. 26101**

**Application of Armstrong Operating, Inc. for an order amending the field rules for the Dickinson and/or Eland-Lodgepole Pool to create and establish a 320-acre spacing unit, or in the alternative, to create a 320-acre drilling unit comprised of the SW/4 of Section 6 and the NW/4 of Section 7, T.139N., R.96W., Stark County, ND, authorizing the drilling of a well not less than 500 feet from the spacing/drilling unit boundary on said 320-acre spacing unit or drilling unit and such other relief as is appropriate.**

**December 14, 2017**



**Armstrong Operating, Inc.-Case No. 26101**  
**Expanded Area Map**  
**Exhibit 1**



INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA

DATE 12-14-17 CASE NO. 26101

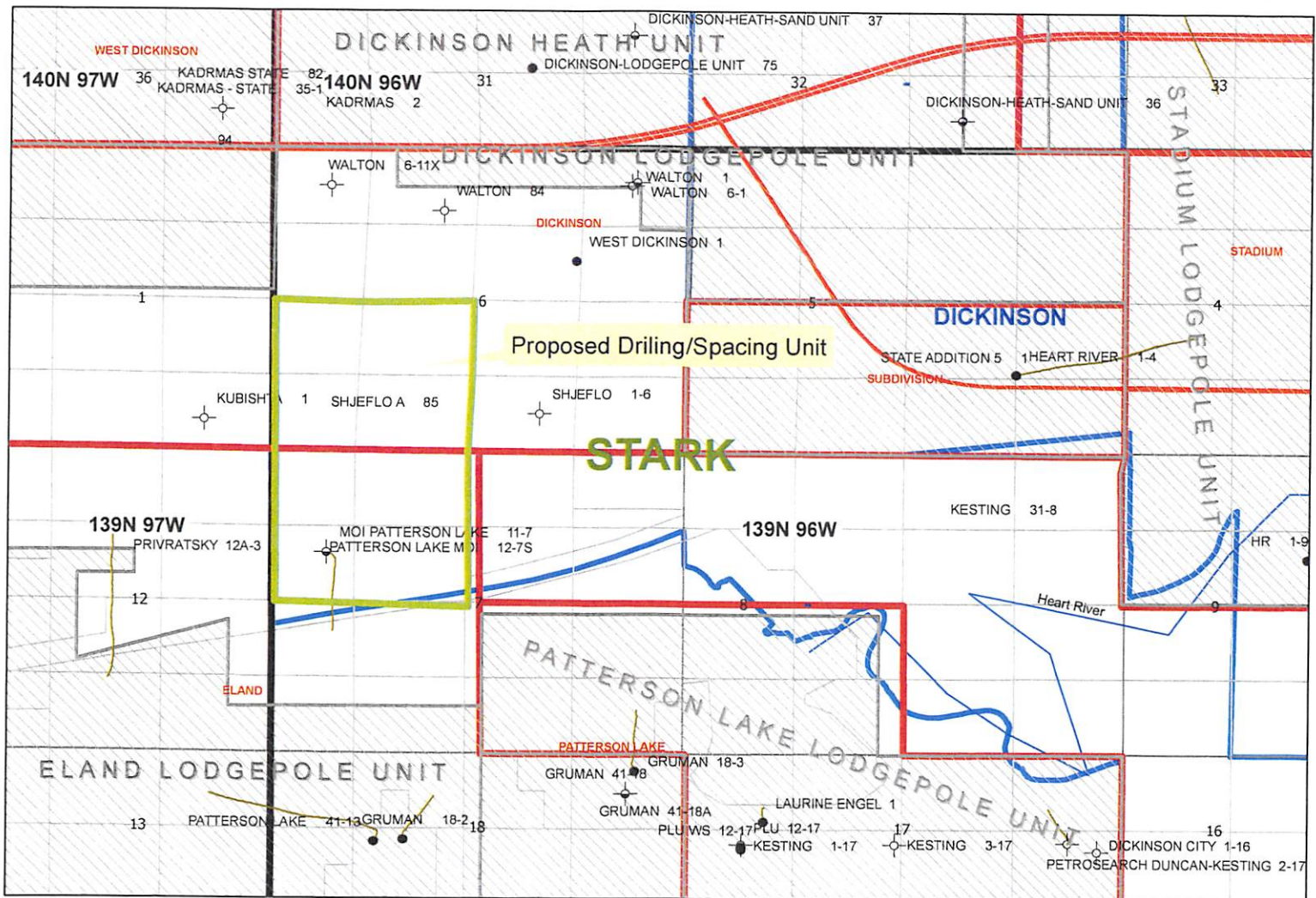
Introduced By Armstrong

Exhibit 1

Identified By Clarys



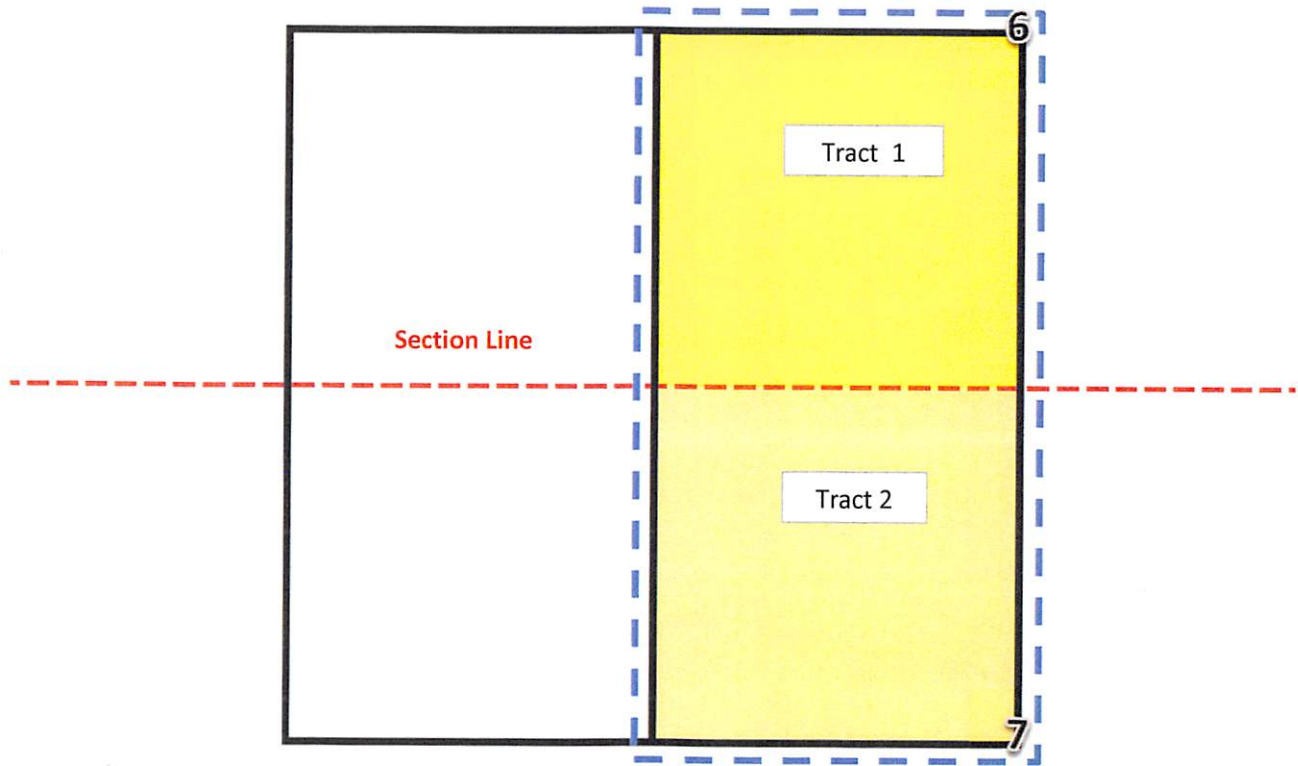
**Armstrong Operating, Inc.-Case No. 26101**  
**Area Map**  
**Exhibit 2**



INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA  
DATE 12-14-17 CASE NO. 26101  
Introduced By Armstrong  
Exhibit 2  
Identified By clarys



Exhibit 3-Lease Ownership Map-281.50 Acres  
Township 139 North, Range 96 West  
Section 6: SW1/4  
Section 7: NW1/4



Proposed Drilling/Spacing Unit Outline  
The Armstrong Corporation-96.6536%  
Others-3.3464%

Case No. 26101  
Exhibit 3  
Proposed Drilling Unit  
139 North Range 96 West  
Section 6: SW1/4  
Section 7: NW1/4

Tract 1  
Township 139 North, Range 96 West  
Section 6: SW1/4  
142.12 Acres M/L  
The Armstrong Corporation-100%

Tract 2  
Township 139 North, Range 96 West  
Section 7: NW1/4  
139.38 Acres M/L  
The Armstrong Corporation -93.2414%  
Others-6.7586%

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA

DATE 12-14-17 CASE NO. 26101

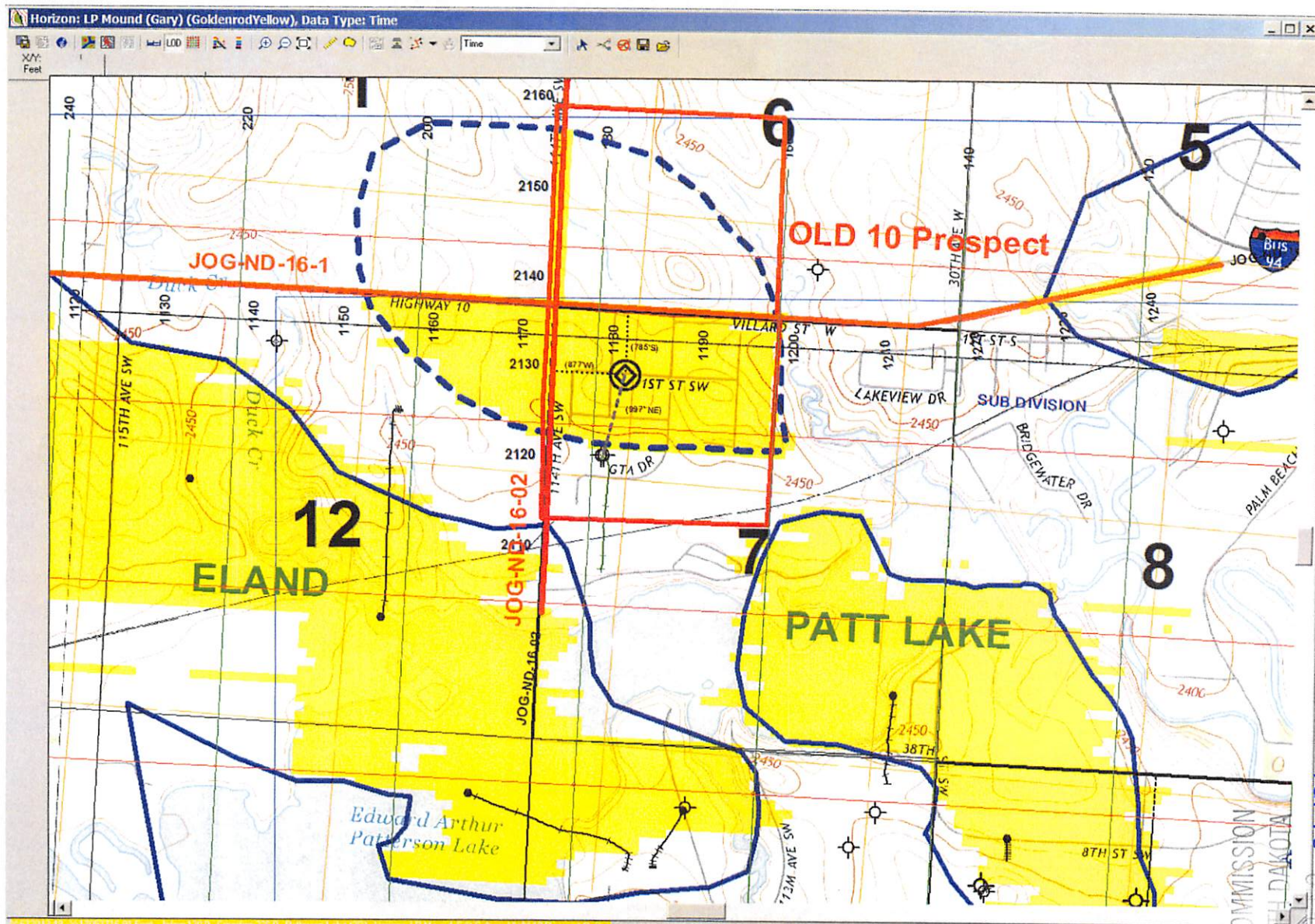
Introduced By Armstrong

Exhibit 3

Identified By clarys







Note:  
Yellow Areas are Seismic  
Interpreted LP Mound Areas

Armstrong Operating Inc.  
Seismic Lodgepole Mound Location Map  
Stark Co. ND  
CASE No. 26101  
14 December 2017

Armstrong Operating, Inc.  
Case No. 26101  
**EXHIBIT 5**

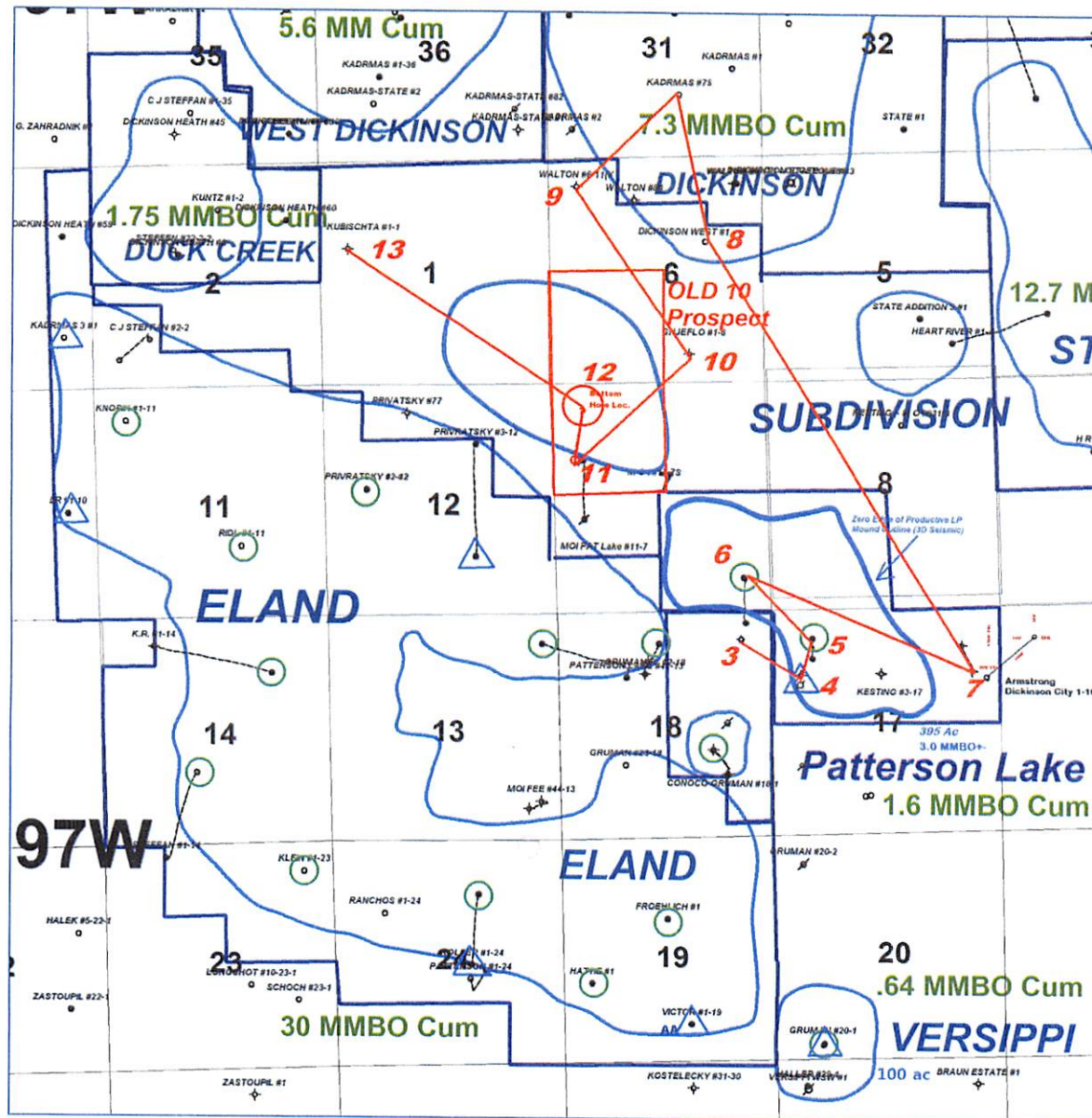
INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA

DATE 12-14-17 CASE NO. 26101

Introduced By Armstrong  
Exhibit 5

Identified By Griffith



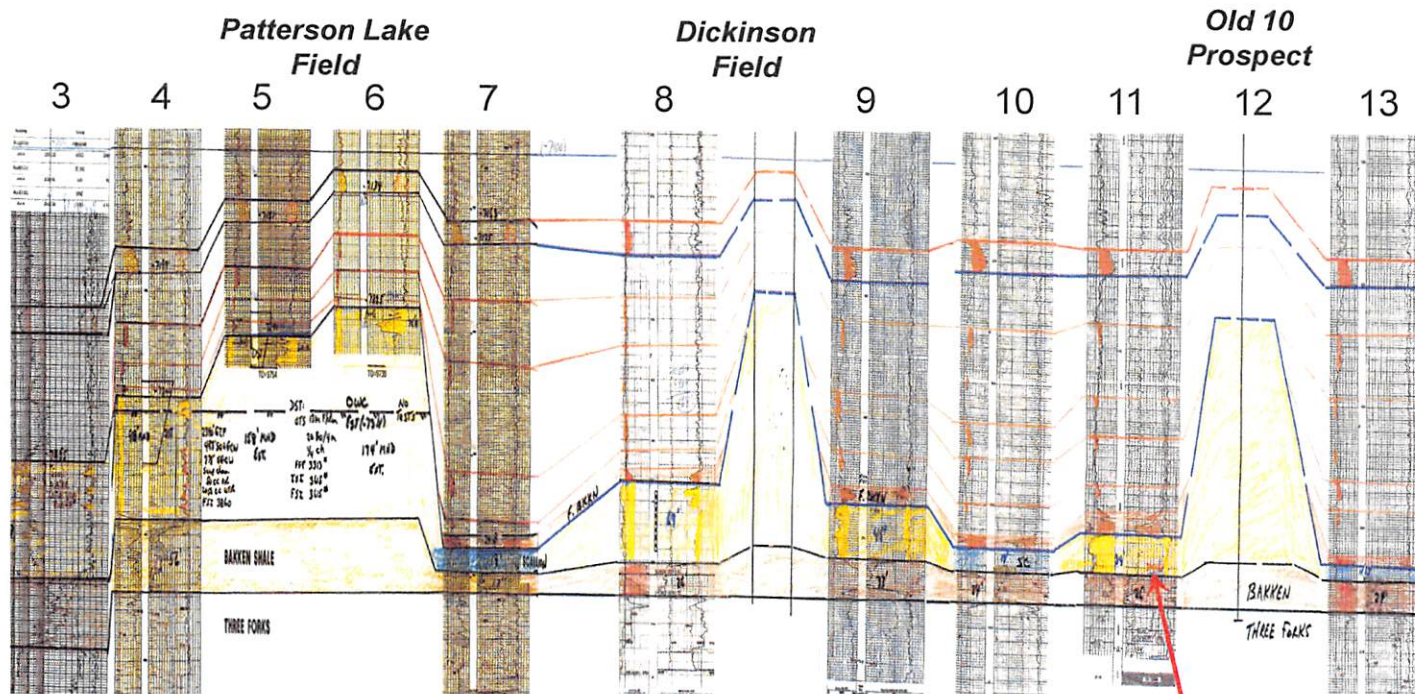


Armstrong Operating Inc.  
 Crossection Location Map  
 Stark Co. ND  
 CASE No. 26101  
 14 December 2017

Armstrong Operating, Inc.  
 Case No. 26101  
 EXHIBIT 6

INDUSTRIAL COMMISSION  
 STATE OF NORTH DAKOTA  
 DATE 12-14-17 CASE NO. 26101  
 Introduced By Armstrong  
 Exhibit 6  
 Identified By Griffith

# Cross-Section Lodgepole Mound Wells 3 -13



34' Scallion  
(Partial Mound B/U)?

Armstrong Operating Inc.  
Lodgepole Mound Well Crossection  
Stark Co. ND  
CASE No. 26101  
14 December 2017

Armstrong Operating, Inc.  
Case No. 26101  
EXHIBIT 7

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA

DATE 12-14-17 CASE NO. 26101  
Introduced by Armstrong  
Exhibit 7  
Identified By Griffith



ENGEL #1

LODGEPOLE MOUND  
RESERVOIR AND FLUID PROPERTIES

OIL PROPERTIES

API Gravity	47 API
Bubble Point Pressure	1500 psi (est)
Solution Gas-Oil Ratio	500 scf/bbl
Initial Formation Volume Factor	1.34 Rb/stb (est)

GAS PROPERTIES

Specific Gravity	.947
Heating Content	1490
H2S	8 ppm

RESERVOIR PROPERTIES

Initial Pressure (2009-08-18)	3615 psi @9753' log depth (9745' TVD)
Pressure (2009-10-17)	3490 psi @9753' log depth
Initial Pressure Gradient	.371 psi/ft
Reservoir Temperature	230 F
Reservoir Drive Mechanism	Rock & Fluid Pressure
Reservoir Type	Porous Limestone
Porosity (Oil Zone)	11 %
Estimated Permeability	8600 md (DST)
Water Saturation	30 % (Estimated)(in pay zones)

OOIP ESTIMATES

Material Balance Estimates	2.9 MM stb-4.6MM stb
Estimated Recovery Factor	35% (with waterflood)
Estimated Ultimate Recovery	1MM stb-1.6MM stb

**Recovery from 2 Wells to Date 1.6MMBO**

Armstrong Operating Inc.  
Reservoir and Fluid Properties  
Stark Co. ND  
CASE No. 26101  
14 December 2017

Armstrong Operating, Inc.  
Case No. 26101  
**EXHIBIT 8**

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA

DATE 12-14-17 CASE NO. 26101

Introduced By Armstrong

Exhibit 8

Identified By Griffith

## Economics (Estimates)

### Lodgepole Mound

Initial Rate (1 well)	400 BOPD
Well Life	30 Years
Decline Rate	75-80%

### Gross Economics

Oil Price	\$50 /BO Wellhead
Gas Price	\$2.80 /Mcf Wellhead
Project Drilling Cost	\$2,700,000
LOE	\$10,000 / Month
NRI	75%
WI	100%
EUR Oil	1,000,000 BO / Well
EUR Gas	Unknown
PV10	Unknown
IRR	Unknown
Payout	6.5 Months

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA

DATE 12-14-17 CASE NO. 26101

Introduced By Armstrong

Exhibit 9

Identified By Griffith

**Armstrong Operating Inc.**  
**Economic Estimates**  
Stark Co. ND  
CASE No. 26101  
14 December 2017

Armstrong Operating, Inc.  
Case No. 26101  
**EXHIBIT 9**

**From:** Rage, Samantha  
**To:** [Kadrmaz, Bethany R.](#)  
**Cc:** [Entzi-Odden, Lyn](#)  
**Subject:** Armstrong Case No. 26101 - Notice to Continue  
**Date:** Monday, November 13, 2017 10:36:51 AM  
**Attachments:** [Armstrong 26101-c.pdf](#)

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Bethany,

Please see the attached letter. Thank you.

**Sammy Rage**  
**Legal Administrative Assistant**

**Fredrikson**

**& BYRON, P.A.**

1133 College Drive  
Suite 1000  
Bismarck, ND 58501  
Main Phone: 701.221.8700  
Fax: 701.221.8750  
[srage@fredlaw.com](mailto:srage@fredlaw.com)

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November 13, 2017

**VIA EMAIL**

Mr. Bruce Hicks  
Assistant Director  
NDIC, Oil and Gas Division  
600 East Boulevard  
Bismarck, ND 58505-0310

**RE: NDIC CASE NO. 26101  
Armstrong Operating, Inc.**

Dear Mr. Hicks:

Please find enclosed herewith for filing a NOTICE OF CONTINUANCE OF ARMSTRONG OPERATING, INC. in regard to the captioned matter.

Should you have any questions, please advise.

Sincerely,



LAWRENCE BENDER

LB/sr  
Enclosure

cc: Mr. Paul Clarys (via email w/enc.)

62731001.1

Attorneys & Advisors  
main 701.221.8700  
fax 701.221.8750  
fredlaw.com

Fredrikson & Byron, P.A.  
1133 College Drive, Suite 1000  
Bismarck, North Dakota  
58501-1215

**BEFORE THE INDUSTRIAL COMMISSION  
OF THE STATE OF NORTH DAKOTA**

**CASE NO. 26101**

**Application of Armstrong Operating, Inc. for an order amending the field rules for the Dickinson and/or Eland-Lodgepole Pool to create and establish a 320-acre spacing unit, or in the alternative, to create a 320-acre drilling unit comprised of the SW/4 of Section 6 and the NW/4 of Section 7, T.139N., R.96W., Stark County, ND, authorizing the drilling of a well not less than 500 feet from the spacing/drilling unit boundary on said 320-acre spacing unit or drilling unit and such other relief as is appropriate.**

**NOTICE OF CONTINUANCE OF ARMSTRONG OPERATING, INC.**

**PLEASE TAKE NOTICE** that on Thursday, November 16, 2017, Armstrong Operating, Inc. will respectfully request that the above captioned matter be continued until the regularly scheduled December 2017 hearings of the Commission.

**DATED** this 13<sup>th</sup> day of November, 2017.

FREDRIKSON & BYRON, P.A.

By 

\_\_\_\_\_  
LAWRENCE BENDER, ND Bar #03908  
*Attorney for Armstrong Operating, Inc.*  
1133 College Drive, Suite 1000  
Bismarck, ND 58501-1215  
(701) 221-8700  
62730971.1

## Kadrmass, Bethany R.

---

**From:** Rage, Samantha <SRage@fredlaw.com>  
**Sent:** Wednesday, October 11, 2017 9:36 AM  
**To:** Kadrmass, Bethany R.  
**Cc:** Entzi-Odden, Lyn  
**Subject:** Armstrong Case No. 26101 - Notice to Continue  
**Attachments:** Armstrong 26101-c.pdf

**CAUTION:** This email originated from an outside source. Do not click links or open attachments unless you know they are safe.

Bethany,

Please see the attached letter. Thank you.

**Sammy Rage**  
**Legal Administrative Assistant**

**Fredrikson**

**& BYRON, P.A.**

1133 College Drive  
Suite 1000  
Bismarck, ND 58501  
Main Phone: 701.221.8700  
Fax: 701.221.8750  
[srage@fredlaw.com](mailto:srage@fredlaw.com)

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October 11, 2017

**VIA EMAIL**

Mr. Bruce Hicks  
Assistant Director  
NDIC, Oil and Gas Division  
600 East Boulevard  
Bismarck, ND 58505-0310

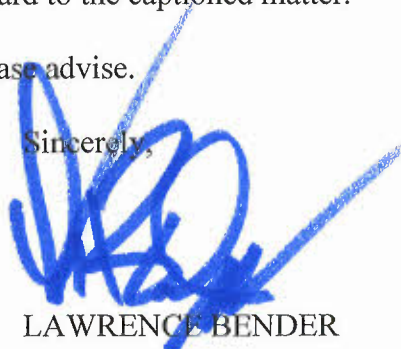
**RE: NDIC CASE NO. 26101  
Armstrong Operating, Inc.**

Dear Mr. Hicks:

Please find enclosed herewith for filing a NOTICE OF CONTINUANCE OF ARMSTRONG OPERATING, INC. in regard to the captioned matter.

Should you have any questions, please advise.

Sincerely,



LAWRENCE BENDER

LB/sr  
Enclosure

cc: Mr. Paul Clarys (via email w/enc.)

62448410.1

Attorneys & Advisors  
main 701.221.8700  
fax 701.221.8750  
fredlaw.com

Fredrikson & Byron, P.A.  
1133 College Drive, Suite 1000  
Bismarck, North Dakota  
58501-1215

**BEFORE THE INDUSTRIAL COMMISSION  
OF THE STATE OF NORTH DAKOTA**

**CASE NO. 26101**

**Application of Armstrong Operating, Inc. for an order amending the field rules for the Dickinson and/or Eland-Lodgepole Pool to create and establish a 320-acre spacing unit, or in the alternative, to create a 320-acre drilling unit comprised of the SW/4 of Section 6 and the NW/4 of Section 7, T.139N., R.96W., Stark County, ND, authorizing the drilling of a well not less than 500 feet from the spacing/drilling unit boundary on said 320-acre spacing unit or drilling unit and such other relief as is appropriate.**

**NOTICE OF CONTINUANCE OF ARMSTRONG OPERATING, INC.**

**PLEASE TAKE NOTICE** that on Thursday, October 19, 2017, Armstrong Operating, Inc. will respectfully request that the above captioned matter be continued until the regularly scheduled November 2017 hearings of the Commission.

**DATED** this 11<sup>th</sup> day of October, 2017.

FREDRIKSON & BYRON, P.A.

By 

LAWRENCE BENDER, ND Bar #03908  
*Attorney for Armstrong Operating, Inc.*  
1133 College Drive, Suite 1000  
Bismarck, ND 58501-1215  
(701) 221-8700  
62448400.1

**Kadrmass, Bethany R.**

---

**From:** Rage, Samantha <SRage@fredlaw.com>  
**Sent:** Thursday, September 14, 2017 3:44 PM  
**To:** Kadrmass, Bethany R.  
**Cc:** Entzi-Odden, Lyn  
**Subject:** Armstrong Case No. 26101  
**Attachments:** Armstrong 26101-c.pdf

**CAUTION:** This email originated from an outside source. Do not click links or open attachments unless you know they are safe.

Bethany,

Please see the attached letter. Thank you.

**Sammy Rage**  
**Legal Administrative Assistant**

**Fredrikson**

**& BYRON, P.A.**

1133 College Drive  
Suite 1000  
Bismarck, ND 58501  
Main Phone: 701.221.8700  
Fax: 701.221.8750  
[srage@fredlaw.com](mailto:srage@fredlaw.com)

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September 14, 2017

**VIA EMAIL**

Mr. Bruce Hicks  
Assistant Director  
NDIC, Oil and Gas Division  
600 East Boulevard  
Bismarck, ND 58505-0310

**RE: NDIC CASE NO. 26101  
Armstrong Operating, Inc.**

Dear Mr. Hicks:

Please find enclosed herewith for filing a NOTICE OF CONTINUANCE OF ARMSTRONG OPERATING, INC. in regard to the captioned matter.

Should you have any questions, please advise.

Sincerely,



LAWRENCE BENDER

LB/sr  
Enclosure

cc: Mr. Paul Clarys (via email w/enc.)

62200721.1

Attorneys & Advisors  
main 701.221.8700  
fax 701.221.8750  
fredlaw.com

Fredrikson & Byron, P.A.  
1133 College Drive, Suite 1000  
Bismarck, North Dakota  
58501-1215

**BEFORE THE INDUSTRIAL COMMISSION  
OF THE STATE OF NORTH DAKOTA**

**CASE NO. 26101**

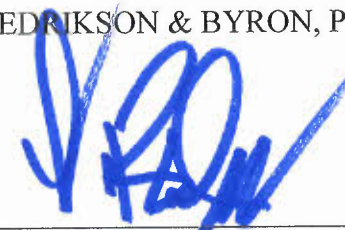
Application of Armstrong Operating, Inc. for an order amending the field rules for the Dickinson and/or Eland-Lodgepole Pool to create and establish a 320-acre spacing unit, or in the alternative, to create a 320-acre drilling unit comprised of the SW/4 of Section 6 and the NW/4 of Section 7, T.139N., R.96W., Stark County, ND, authorizing the drilling of a well not less than 500 feet from the spacing/drilling unit boundary on said 320-acre spacing unit or drilling unit and such other relief as is appropriate.

**NOTICE OF CONTINUANCE OF ARMSTRONG OPERATING, INC.**

PLEASE TAKE NOTICE that on Thursday, September 21, 2017, Armstrong Operating, Inc. will respectfully request that the above captioned matter be continued until the regularly scheduled October 2017 hearings of the Commission.

**DATED** this 14<sup>th</sup> day of September, 2017.

FREDRIKSON & BYRON, P.A.



By

LAWRENCE BENDER, ND Bar #03908  
*Attorney for Armstrong Operating, Inc.*  
1133 College Drive, Suite 1000  
Bismarck, ND 58501-1215  
(701) 221-8700  
62200591.1



BEFORE THE INDUSTRIAL COMMISSION  
OF THE STATE OF NORTH DAKOTA

Case No. 26101

Application of Armstrong Operating, Inc. for an order amending the field rules for the Dickinson and/or Eland-Lodgepole Pool so as to create and establish a 320-acre spacing unit, or in the alternative, to create a 320-acre drilling unit comprised of the SW/4 of Section 6 and the NW/4 of Section 7, Township 139 North, Range 96 West, Stark County, North Dakota, authorizing the drilling of a well not less than 500 feet from the spacing/drilling unit boundary on said 320-acre spacing unit or drilling unit and/or such other and further relief as appropriate.

**RECEIVED**  
AUG 21 2017  
ND Oil & Gas Div.

APPLICATION OF ARMSTRONG OPERATING, INC.

Armstrong Operating, Inc. ("Armstrong"), for its application to the North Dakota Industrial Commission ("Commission"), respectfully states as follows:

1.

That Armstrong is the owner of an interest in the oil and gas leasehold estate in the Southwest Quarter (SW/4) of Section 6 and the Northwest Quarter (NW/4) of Section 7, Township 139 North, Range 96 West, Stark County, North Dakota (the "Subject Lands").

2.

That the Subject Lands are within and/or near the areas defined by the Commission as the field boundaries for the Dickinson and Eland-Lodgepole Pool.

3.

That Armstrong desires to further develop the Dickinson and/or Eland-Lodgepole Pool underlying the Subject Lands.

4.

That it is the opinion of Armstrong that further development of the Dickinson and/or Eland-Lodgepole Pool underlying the Subject Lands will increase the ultimate recovery of the reservoir.

5.

That pursuant to Section 38-08-07 of the North Dakota Century Code, the Commission is empowered to divide any pool into separate zones and to modify its previous spacing order when necessary to prevent waste, avoid the drilling of unnecessary wells or to protect correlative rights. The Commission is also authorized to establish 320-acre drilling units when necessary to prevent waste, avoid the drilling of unnecessary wells or to protect correlative rights.

6.

That in order to prevent waste, to avoid the drilling of unnecessary wells and to protect correlative rights, the field rules for the Dickinson and/or Eland-Lodgepole Pool should be amended and a 320-acre spacing unit, or in the alternative, a 320-acre drilling unit should be created and established comprised of the SW/4 of Section 6 and the NW/4 of Section 7, Township 139 North, Range 96 West, authorizing the drilling of a well on said 320-acre spacing unit or drilling unit.

7.

That Armstrong, therefore, requests that the Commission enter an order amending the field rules for the Dickinson and/or Eland-Lodgepole Pool so as to create and establish a 320-acre spacing unit, or in the alternative, to create a 320-acre drilling unit comprised of the SW/4 of Section 6 and the NW/4 of Section 7, Township 139 North, Range 96 West, Stark County, North Dakota, authorizing the drilling of a well not less than 500 feet from the spacing/drilling

unit boundary on said 320-acre spacing unit or drilling unit and/or such other and further relief as appropriate.

**WHEREFORE**, Armstrong requests the following:

(a) That this matter be set for the regularly scheduled September 2017 hearings of the Commission;

(b) That the Commission issue its order granting the relief requested and such other and further relief as the Commission may deem appropriate; and

(c) That pursuant to Section 63-02-03-88.2 of the North Dakota Administrative Code, Armstrong's witnesses in this matter be allowed to participate by telephonic means.

**DATED** this 21 day of August, 2017.

FREDRIKSON & BYRON, P.A.

By   
LAWRENCE BENDER, ND Bar #03908

*Attorneys for Applicant,*  
*Armstrong Operating, Inc.*  
1133 College Drive, Suite 1000  
P. O. Box 1855  
Bismarck, ND 58502-1000  
(701) 221-8700

STATE OF NORTH DAKOTA )  
 ) ss.  
COUNTY OF BURLEIGH )

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

LAWRENCE BENDER

Subscribed and sworn to before me this 21 day of August, 2017.



61994395.1

Notary Public

My Commission Expires:

August 21, 2017

**HAND DELIVERED**

**RECEIVED**

**AUG 21 2017**

**ND Oil & Gas Div.**

Mr. Bruce Hicks  
Assistant Director  
North Dakota Industrial Commission  
Oil and Gas Division  
600 East Boulevard  
Bismarck, North Dakota 58505-0310

**RE: APPLICATION OF  
ARMSTRONG OPERATING,  
INC. FOR SEPTEMBER 2017  
HEARINGS**

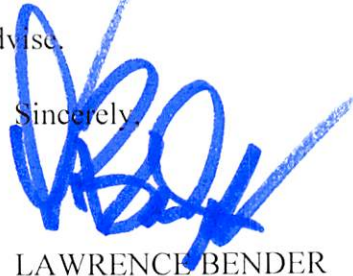
Dear Mr. Hicks:

Please find enclosed herewith for filing a revised APPLICATION OF ARMSTRONG OPERATING, INC.

**As you will note, pursuant to N.D. Admin. Code § 43-02-03-88.2, Armstrong requests that its witnesses be allowed to participate at the hearing by telephonic means.**

Should you have any questions, please advise.

Sincerely,



LAWRENCE BENDER

LB/leo

Enclosure

cc: Mr. Paul Clarys - (w/enc.) *Via Email*

Attorneys & Advisors  
main 701.221.8700  
fax 701.221.8750  
fredlaw.com

Fredrikson & Byron, P.A.  
1133 College Drive, Suite 1000  
Bismarck, North Dakota  
58501-1215





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**600 E BLVD AVE #405  
BISMARCK ND 58505**

**Customer: 60010203**

**Phone: (701) 328-8020**

**Date: 08/30/2017**

**ND Oil & Gas Div.**

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08/30/17	20906886	INV	450.69

Amount Paid	CK #

**CREDIT CARD PAYMENT (circle one)**



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Exp Date:

Signature:

*Credit card users: Fax to 319-291-4014*

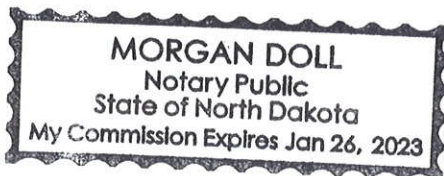
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			Case No. 25819	543.00	Legals	450.69	450.69
08/30/17	08/30/17	1	Bismarck Tribune PO:Hearing Notice				

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State of North Dakota ) SS County of Burleigh  
Before me, a Notary Public for the State of North Dakota  
personally appeared JKL who being duly sworn, deposes  
and says that he (she) is the Clerk of Bismarck Tribune Co.,  
and that the publication(s) were made through the  
Bismarck Tribune on the following dates:  
8/30 Signed [Signature]  
sworn and subscribed to before me this 30  
day of September 2017  
[Signature]  
Notary Public in and for the State of North Dakota



Please return invoice or put order number on check. Thank You.

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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. Thursday, September 21, 2017, 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 Friday, September 08, 2017.

**STATE OF NORTH DAKOTA TO:**

Case No. 25819: (Continued) Proper spacing for the development of the Big Dipper-Bakken Pool, Divide County, ND, redefining the field limits, and enact such special field rules as may be necessary. Mountain Divide, LLC; Resource Energy Can-Am LLC; SM Energy Co.

Case No. 26027: (Continued) On a motion of the Commission to consider the establishment or altering of spacing units in the Phelps Bay-Bakken Pool in Section 13, T.153N., R.95W., and in the Elm Tree-Bakken Pool in Section 18, T.153N., R.94W., McKenzie County, ND, and such other relief as is appropriate.

Case No. 26093: Application of Continental Resources, Inc. for an order amending the field rules for the Oakdale-Bakken Pool, Dunn County, ND, to create and establish an overlapping 5120-acre spacing unit comprised of Sections 23, 24, 25, 26, 35 and 36, T.147N., R.96W. and Sections 1 and 2, T.146N., R.96W., authorizing the drilling of total not to exceed two wells on or near the east/west center of the proposed overlapping 5120-acre spacing unit, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 26094: Application of Continental Resources, Inc. for an order authorizing the drilling, completing and producing of one horizontal well with the lateral to be located approximately 440 feet from the west line of Sections 24 and 25, T.147N., R.96W., and one horizontal well with the lateral to be located approximately 440 feet from the west line of Section 36, T.147N.,

R.96W. and Section 1, T.146N., R.96W., all of which comprise an existing 2560-acre spacing unit, both as exceptions to the well location rules for the Corral Creek-Bakken Pool, Dunn County, ND, and such other relief as is appropriate.

Case No. 26095: Application of Continental Resources, Inc. for an order amending the field rules for the Oakdale-Bakken Pool, Dunn County, ND, to create and establish an overlapping 2560-acre spacing unit comprised of Sections 34 and 35, T.147N., R.96W. and Sections 2 and 3, T.146N., R.96W., authorizing the drilling of a well on or near the east/west center line of the proposed overlapping 2560-acre spacing unit and such other relief as is appropriate.

Case No. 26096: Application of Continental Resources, Inc. for an order authorizing the drilling, completing and producing of one horizontal well with the lateral to be located approximately 440 feet from the east line of Section 34, T.147N., R.96W. and Section 3, T.146N., R.96W., which constitutes an existing 1280-acre spacing unit, and as an exception to the well location rules for the Oakdale-Bakken Pool, Dunn County, ND, and such other relief as is appropriate.

**Case No. 26097:**

Application of Continental Resources, Inc. for an order as follows: (i) authorizing the drilling, completing and producing of one horizontal well with the lateral to be located approximately 440 feet from the east line of Sections 23 and 26, T.147N., R.96W., and one horizontal well with the lateral to be located approximately 440 feet from the east line of Section 35, T.147N., R.96W. and Section 2, T.146N., R.96W., all of which comprise an existing 2560-acre spacing unit; and, (ii) authorizing the drilling, completing and producing of one horizontal well with the lateral to be located approximately 440 feet from the west line of Sections 23 and 26, T.147N., R.96W., and one horizontal well with the lateral to be located approximately 440 feet from the west line of Section 35, T.147N., R.96W. and Section 2, T.146N., R.96W., all of which comprise an existing 2560-acre spacing unit, both as exceptions to the well location rules for the Oakdale-Bakken Pool, Dunn County, ND, and such other relief as is appropriate.

Case No. 25686: (Continued) A motion of the Commission to consider the termination, or any other appropriate action, of the South Antler Creek-Madison Unit, Bottineau County, ND, operated by Continental Resources, Inc.

Case No. 26098: Application of WPX Energy-Williston, LLC for an order amending the field rules for the Mandaree-Bakken Pool to create and establish an overlapping 2560-acre spacing unit comprised of Sections 26, 27, 34 and 35, T.149N., R.93W., Dunn County, ND, authorizing the drilling of a horizontal well on or near the section line between existing 640 and 1280-acre spacing units of the proposed overlapping 2560-acre spacing unit, and such other relief as is appropriate. Case No. 26099: Application of EOG Resources, Inc. for an order amending the field rules for the Parshall-Bakken Pool, Mountrail County, ND, to create and establish two overlapping 2560-acre spacing units comprised of Sections 26, 27, 34 and 35, T.155N., R.90W.; and Sections 2, 3, 10 and 11, T.154N., R.90W., authorizing the drilling of a horizontal well on or near the section line between the existing 640 and 1280-acre spacing units of each of the proposed overlapping 2560-acre spacing units, and such other relief as is appropriate.

Case No. 26100: Application of EOG Resources, Inc. for an order amending the field rules for the Clarks Creek-Bakken Pool, McKenzie County, ND, to create and establish an overlapping 2560-acre spacing unit comprised of Sections 25 and 36, T.152N., R.95W. and Sections 30 and 31, T.152N., R.94W., authorizing the drilling of multiple horizontal wells on or near the section line between the existing 960 and 1280-acre spacing units of the proposed overlapping 2560-acre spacing unit, eliminating any tool error requirements, and such other relief as is appropriate.

Case No. 26101: Application of Armstrong Operating, Inc. for an order amending the field rules for the Dickinson and/or Eland-Lodgepole Pool to create and establish a 320-acre spacing unit, or in the alternative, to create a 320-acre drilling unit comprised of the SW/4 of Section 6 and the NW/4 of Section 7, T.139N., R.96W., Stark County, ND, authorizing the drilling of a well not less than 500 feet from the spacing/drilling unit boundary on said 320-acre spacing unit or drilling unit and such other relief as is appropriate.

Case No. 26035: (Continued) Application of Liberty Resources Management Co., LLC for an order granting temporary authority to use numerous wells located in a spacing unit comprised of Sections 8 and 17, T.158N., R.95W., Williams County, ND, as injection wells for an enhanced oil recovery pilot operation in the McGregor-Bakken Pool, and such other relief as is appropriate.

Case No. 26036: (Continued) Application of PetroShale (US), Inc. for an order amending the field rules for the Mandaree-Bakken Pool to create and establish an overlapping 640-acre spacing unit comprised of the E/2 of Sections 9 and 16, T.149N., R.93W., Dunn County, ND, authorizing the drilling of a total not to exceed three wells on said overlapping 640-acre spacing unit, eliminating any tool error requirements and such other relief as is appropriate.

**Case No. 26037: (Continued)**

Application of PetroShale (US), Inc. for an order amending the field rules for the Antelope-Sanish Pool to create and establish two overlapping 2560-acre spacing units comprised of Sections 16, 17, 20 and 21; and Sections 17, 18, 19 and 20, T.152N., R.94W., McKenzie County, ND, authorizing the drilling of a horizontal well on or near the section line between the existing 1280-acre spacing units of each proposed overlapping 2560-acre spacing unit, and such other relief as is appropriate. Case No. 26102: Application of the Energy & Environmental Research Center requesting the Commission waive the requirement to obtain a drilling and reclamation bond for stratigraphic test holes to be drilled in the SESE of Section 27, T.142N., R.84W., Oliver County, ND and the SW/4 of Section 32, T.145N., R.89W., Mercer County, ND as an exception to NDAC § 43-02-03. Case No. 26103: In the matter of the authority of Statoil Oil & Gas LP, to conduct refracting operations and to recover from Lime Rock Resources III-A as an owner of a working interest in the Russell 10-3 #1-H well (File No. 19930) presently producing in paying quantities from Sections 3 and 10, T.153N., R.103W., Williams County, ND, a risk penalty as provided in NDCC § 38-08-08 and such other relief as is appropriate.

Case No. 26104: Application of Zealous Energy Services for an order allowing an indirect heater to be located closer than 150 feet to the oil tanks as an exception to the requirements of NDAC § 43-02-03-28, and such other relief as is appropriate.

Case No. 26105: Application of Slawson Exploration Co., Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 20 and 29, T.152N., R.91W., Big Bend-Bakken Pool, Mountrail County, ND as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26106: Application of Liberty Resources Management Co., LLC 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.158N., R.93W., East Tioga-Bakken Pool, Mountrail County, ND, as provided by NDCC § 38-

08-08 and such other relief as is appropriate.

Case No. 26107: Application of Liberty Resources Management Co., LLC for an order authorizing the drilling, completing and producing of a total not to exceed eight wells on each existing 1280-acre spacing unit described as Sections 25 and 36, T.158N., R.94W.; Sections 29 and 32; and Sections 30 and 31, T.158N., R.93W., East Tioga-Bakken Pool, Mountrail County, ND, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 26108: Application of Liberty Resources Management Co., LLC for an order authorizing the drilling, completing and producing of a total not to exceed eight wells on an existing 1280-acre spacing unit described as Sections 27 and 34, T.158N., R.93W., Enger Lake-Bakken Pool, Mountrail County, ND, eliminating any tool error requirements and such other relief as is appropriate. Case No. 26051: (Continued) Application of Liberty Resources Management Co., LLC for an order authorizing the rework of the Gohrick 158-95-17-8-4MBH well (File No. 28439), located in a spacing unit comprised of Sections 8 and 17, T.158N., R.95W., Williams County, ND, for the temporary injection of fluids in the McGregor-Bakken Pool pursuant to NDAC Chapter 43-02-05, and § 43-02-03-88.1, allowing an exception to NDAC § 43-02-05-07, and such other relief as is appropriate.

Case No. 26052: (Continued) Application of Liberty Resources Management Co., LLC for an order authorizing the rework of the Gohrick 158-95-17-8-5TFH well (File No. 28440), located in a spacing unit comprised of Sections 8 and 17, T.158N., R.95W., Williams County, ND, for the temporary injection of fluids in the McGregor-Bakken Pool pursuant to NDAC Chapter 43-02-05, and § 43-02-03-88.1, allowing an exception to NDAC § 43-02-05-07, and such other relief as is appropriate.

Case No. 26053: (Continued) Application of Liberty Resources Management Co., LLC for an order authorizing the rework of the Gohrick 158-95-17-8-5MBH well (File No. 28441), located in a spacing unit comprised of Sections 8 and 17, T.158N., R.95W., Williams County, ND, for the temporary injection of fluids in the McGregor-Bakken Pool pursuant to NDAC Chapter 43-02-05, and § 43-02-03-88.1, allowing an exception to NDAC § 43-02-05-07, and such other relief as is appropriate.

Case No. 26054: (Continued) Application of Liberty Resources Management Co., LLC for an order authorizing the rework of the Gohrick 158-95-17-8-6TFH well (File No. 28442), located in a spacing unit comprised of Sections 8 and 17, T.158N., R.95W., Williams County, ND, for the temporary injection of fluids in the McGregor-Bakken Pool pursuant to NDAC Chapter 43-02-05, and § 43-02-03-88.1, allowing an exception to NDAC § 43-02-05-07, and such other relief as is appropriate.

Case No. 26055: (Continued) Application of Liberty Resources Management Co., LLC for an order authorizing the rework of the Leon 158-95-17-8-1MBH well (File No. 30618), located in a spacing unit comprised of Sections 8 and 17, T.158N., R.95W., Williams County, ND, for the temporary injection of fluids in the McGregor-Bakken Pool pursuant to NDAC Chapter 43-02-05, and § 43-02-03-88.1, allowing an exception to NDAC § 43-02-05-07, and such other relief as is appropriate.

Case No. 26056: (Continued) Application of Liberty Resources Management Co., LLC for an order authorizing the rework of the Leon 158-95-17-8-2MBH well (File No. 30619), located in a spacing unit comprised of Sections 8 and 17, T.158N., R.95W., Williams County, ND, for the temporary injection of fluids in the McGregor-Bakken Pool pursuant to NDAC Chapter 43-02-05, and § 43-02-03-88.1, allowing an exception to NDAC § 43-02-05-07, and such other relief as is appropriate.

Case No. 26057: (Continued) Application of Liberty Resources Management Co., LLC for an order authorizing the rework of the Leon 158-95-17-8-3TFH well (File No. 30620), located in a spacing unit comprised of Sections 8 and 17, T.158N., R.95W., Williams County, ND, for the temporary injection of fluids in the McGregor-Bakken Pool pursuant to NDAC Chapter 43-02-05, and § 43-02-03-88.1, allowing an exception to NDAC § 43-02-05-07, and such other relief as is appropriate.

Case No. 26109: Application of EOG Resources, Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 5, 6, 7 and 8, T.151N., R.94W., Clarks Creek-Bakken Pool and/or Antelope-Sanish Pool, McKenzie County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate. Case No. 26110: Application of EOG Resources, Inc. provided for in NDAC § 43-02-03-88.1 for an order allowing the production and tank vapors from the following described wells:

Wayzetta 96-3019H well (File No. 31308); Wayzetta 97-3019H well (File No. 31352); Wayzetta 98-3019H well (File No. 31309); Wayzetta 99-3019H well (File No. 31323); and Wayzetta 400-3019H well (File No. 31322), to be produced and commingled into the Wayzetta Section 30 Central Tank Battery or production facility, all located in Section 30, T.153N., R.90W., Parshall Field, Mountrail County, ND, pursuant to NDAC § 43-02-03-48.1 and such other relief as is appropriate.

Case No. 26111: Application of EOG Resources, Inc. pursuant to NDAC § 43-02-03-88.1 for an order authorizing the drilling of a saltwater disposal well to be located in the NWSW of Section 9, T.156N., R.92W., Alger Field, Mountrail County, ND, in the Dakota Group pursuant to NDAC Chapter 43-02-05, and such other relief as is appropriate.

Case No. 26112: Application of WPX Energy-Williston, LLC for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 12, 13 and 24, T.149N., R.95W., Squaw Creek-Bakken Pool, McKenzie County, ND as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.



Case No. 26113: In the matter of the petition for a risk penalty of XTO Energy Inc. requesting an order authorizing the recovery of a risk penalty from certain non-participating owners, as provided by NDCC § 38-08-08 in the drilling and completing of the Smouse 31X-28DXA (File No. 30917) well located in a spacing unit described as Sections 27, 28, 33 and 34, T.155N., R.96W., West Capa-Bakken Pool, Williams County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 26114: Application of XTO Energy Inc. for an order authorizing the drilling, completing and producing of a total of not more than two horizontal section line wells on an existing overlapping 1280-acre spacing unit described as all of Section 36, T.149N., R.92W., the W/2 of Section 3, and the E/2 of Section 4, T.148N., R.92W., Heart Butte-Bakken Pool, Dunn County, ND, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 26115: Application of XTO Energy Inc. for an order authorizing the drilling, completing and producing of a total not to exceed four wells on an existing 640-acre spacing unit described as Section 2, T.147N., R.96W., Bear Creek-Bakken Pool, Dunn County, ND, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 26116: Application of Enerplus Resources (USA) Corp. for an order

authorizing the drilling, completing and producing of a total of not more than five wells on an existing 320-acre spacing unit described as the W/2 of Section 20, T.152N., R.93W., Four Bears-Bakken Pool, McKenzie County, ND, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 26117: Application of Enerplus Resources (USA) Corp. for an order authorizing the drilling, completing and producing of a total of not more than eleven wells on an existing 1280-acre spacing unit described as Sections 30 and 31, T.149N., R.93W., Mandaree-Bakken Pool, Dunn County, ND, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 26118: Application of Enerplus Resources (USA) Corp. for an order for the Eagle Nest-Bakken Pool, Dunn and McKenzie Counties, ND, as follows: (i) authorizing the drilling, completing and producing of a total not to exceed five wells on each existing 320-acre spacing unit described as the W/2 of Section 5; and the E/2 of Section 16, T.148N., R.94W.; and (ii) authorizing the drilling, completing and producing of a total not to exceed eleven wells on each existing 1280-acre spacing unit described as Sections 25 and 36, T.149N., R.95W.; Sections 28 and 33; Sections 30 and 31, T.149N., R.94W.; Sections 1 and 12; Sections 2 and 11; and Sections 3 and 10, T.148N., R.95W., eliminating any tool error requirements and such other relief.

Case No. 26119: Application of Enerplus Resources (USA) Corp. for an order for the South Fork-Bakken Pool, Dunn County, ND, as follows: (i) authorizing the drilling, completing and producing of a total not to exceed five wells on each existing 320-acre spacing unit described as the W/2; and the E/2 of Section 4, T.148N., R.93W.; and (ii) authorizing the drilling, completing and producing of a total not to exceed eleven wells on each existing 1280-acre spacing unit described as Sections 13 and 14; Sections 15 and 16; Sections 21 and 22; and Sections 23 and 24, T.148N., R.93W., eliminating any tool error requirements and such other relief as is

#### Case No. 26120:

Application of Zavanna, LLC provided for in NDAC § 43-02-03-88.1 for an order allowing the production and tank vapors from the following described wells: Sigurd 32-29 2H well (File No. 29252), Sigurd 32-29 4TFH well (File No. 29253), Sigurd 32-29 6H well (File No. 29254), Sigurd 32-29 8TFH well (File No. 29255), Stockyard Creek Field, Sigurd 5-8 1TFH well (File No. 29248), Sigurd 5-8 3H well (File No. 29249), Sigurd 5-8 5TFH well (File No. 25250), and Sigurd 5-8 7H well (File No. 29251), Crazy Man Creek Field, to be produced and commingled into the Sigurd Central Tank Battery or production facility, all located in Section 5, T.153N., R.99W., Williams County, ND, pursuant to NDAC § 43-02-03-48.1 and such other relief as is Case No. 26121: Application of Resonance Exploration (ND) LLC as provided for in NDAC § 43-02-03-88.1 for an order allowing the production from the following wells: Resonance Ballantyne 13-20H well (File No. 29452), located in Section 20, and Resonance R.E. Ballantyne Farms 1-30H well (File No. 31525), located in Section 30, to be produced into the Resonance Ballantyne 13-20 Central Tank Battery or production facility (CTB No. 229452-01), located in Section 20, all in T.163N., R.80W., Westhope-Spearfish/Madison Pool, Bottineau County, ND, pursuant to 43-02-03-48.1 and such other relief as is appropriate.

Case No. 26122: Application of Windridge Operating LLC pursuant to NDAC § 43-02-03-88.1 for an order authorizing the drilling of a saltwater disposal well to be located in Lot 2 of Section 1, T.163N., R.93W., Short Creek Field, Burke County, ND, in the Dakota Group pursuant to NDAC Chapter 43-02-05 and such other relief as is appropriate.

Case No. 26043: (Continued) Application of Nine Point Energy, LLC 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, and the E/2 of Sections 4 and 9, T.152N., R.103W., Eightmile-Bakken Pool, McKenzie and Williams Counties, ND as provided by NDCC § 38-08-08 and such other relief as is appropriate.

Signed by,

Doug Burgum, Governor  
Chairman, ND Industrial  
8/30 - 20906886



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ND Oil & Gas Div.

**Affidavit of Publication**  
**The Dickinson Press**  
Dickinson, North Dakota

STATE OF NORTH DAKOTA )  
County of Stark ) ss

Melanie Epperly being first duly sworn, on my oath, say that I am the bookkeeper of The Dickinson Press, a daily newspaper of general circulation, printed and published at Dickinson, in said county and state, and the advertisement headed:

NOTICE OF HEARING

a printed copy of which is hereunto annexed, was printed and published in The Dickinson Press, and in the regular and entire issue of each and every number for 1 consecutive weeks, commencing on the 29 day of AUGUST A.D. 2017 and ending on the 29 day of AUGUST A.D. 2017, both inclusive.

Straight Matter Lines	<u>44</u>		
First Time Line Rates	<u>0.81</u>	<u>29-Aug</u>	2017
Subsequent Line Rates	<u>0.81</u>	<u>29-Aug</u>	2017
Column Inches			2017
First Time Inch Rate	<u>\$8.86</u>		2017
Subsequent Inch Rate	<u>\$8.86</u>		2017
Total Cost of Legal	\$ <u>35.64</u>		

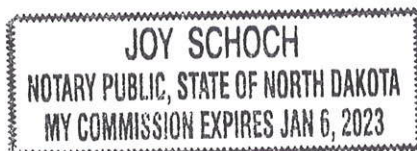
Melanie Epperly

Subscribed and sworn to before me this 30 day of AUGUST A.D. 2017

(Seal)

Joy Schoch  
Notary Public, State Of North Dakota

My Commission Expires \_\_\_\_\_



**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. Thursday, September 21, 2017, 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 Friday, September 08, 2017.

**STATE OF NORTH DAKOTA TO:**

Case No. 26101: Application of Armstrong Operating, Inc. for an order amending the field rules for the Dickinson and/or Eland-Lodgepole Pool to create and establish a 320-acre spacing unit, or in the alternative, to create a 320-acre drilling unit comprised of the SW/4 of Section 6 and the NW/4 of Section 7, T.139N., R.96W., Stark County, ND, authorizing the drilling of a well not less than 500 feet from the spacing/drilling unit boundary on said 320-acre spacing unit or drilling unit and such other relief as is appropriate.

Case No. 26104: Application of Zealous Energy Services for an order allowing an indirect heater to be located closer than 150 feet to the oil tanks as an exception to the requirements of NDAC § 43-02-03-28, and such other relief as is appropriate.

Signed by,  
Doug Burgum, Governor  
Chairman, ND Industrial  
(Published: August 29, 2017)



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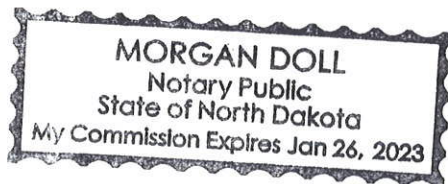
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Before me, a Notary Public for the State of North Dakota  
personally appeared JK who being duly sworn, deposes  
and says that he (she) is the Clerk of Bismarck Tribune Co.,  
and that the publication(s) were made through the  
Bismarck Tribune on the following dates  
September 26 Signed Giddy Kellu  
sworn and subscribed to before me this 2nd  
day of October 20 17  
Morgan Doll  
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*JK*

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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. Thursday, October 19, 2017, 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 Friday, October 06, 2017.

STATE OF NORTH DAKOTA TO:

Case No. 26142: On a motion of the Commission to consider the establishment or altering of spacing units in the Eagle Nest, Lost Bridge, Bear Creek, and/or Corral Creek-Bakken Pools in Sections 4, 7, 8, 9, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, and 33, and the S/2 of Sections 5 and 6, T.148N., R.95W., Dunn County, ND, and such other relief as is appropriate.

Case No. 26143: On a motion of the Commission to consider the establishment or altering of spacing units in the Gros Ventre and/or East Tioga-Bakken Pools in Sections 20, 29, and 32, T.159N., R.93W., Burke County, ND, and such other relief as is appropriate.

Case No. 26027: (Continued) On a motion of the Commission to consider the establishment or altering of spacing units in the Phelps Bay-Bakken Pool in Section 13, T.153N., R.95W., and in the Elm Tree-Bakken Pool in Section 18, T.153N., R.94W., McKenzie County, ND, and such other relief as is appropriate.

Case No. 26144: On a motion of the Commission to consider the appropriate spacing for future wells in the 2560-acre spacing unit consisting of Sections 23, 26 and 35 T.147N., R.96W. and Section 2 T.146N., R.96W., Oakdale-Bakken Pool, Dunn County, ND and such other relief as is appropriate.

Case No. 26145: Application of Continental Resources, Inc. for an order suspending, and after hearing revoking, a permit issued to Abraxas Petroleum Corp. for the drilling of the Rav-Wiley #1H (File No. 33954) well on a spacing unit for the North Fork-Bakken Pool consisting of Sections 25, 26, 35 and 36 T.150N., R.97W., McKenzie County, ND, and such other relief as is appropriate.

Case No. 26146: Application of Continental Resources, Inc. for an order amending the field rules for the Dimmick Lake-Bakken Pool to create and establish an overlapping 2560-acre spacing unit comprised of Sections 1 and 12, T.150N., R.97W. and Sections 6 and 7, T.150N., R.96W., McKenzie County, ND, authorizing the drilling of two wells on or near the section line between the existing 1280 and 2560-acre spacing units of said proposed

overlapping 2560-acre spacing unit, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 26147: On a motion of the Commission to consider the termination, reduction, or any other appropriate action, of the Glass Bluff-Madison Unit, McKenzie and Williams Counties, ND, operated by Liberty Resources Management Co. LLC

Case No. 26099: (Continued) Application of EOG Resources, Inc. for an order amending the field rules for the Parshall-Bakken Pool, Mountrail County, ND, to create and establish two overlapping 2560-acre spacing units comprised of Sections 26, 27, 34 and 35, T.155N., R.90W.; and Sections 2, 3, 10 and 11, T.154N., R.90W., authorizing the drilling of a horizontal well on or near the section line between the existing 640 and 1280-acre spacing units of each of the proposed overlapping 2560-acre spacing units, and such other relief as is appropriate.

Case No. 26100: (Continued) Application of EOG Resources, Inc. for an order amending the field rules for the Clarks Creek-Bakken Pool, McKenzie County, ND, to create and establish an overlapping 2560-acre spacing unit comprised of Sections 25 and 36, T.152N., R.95W. and Sections 30 and 31, T.152N., R.94W., authorizing the drilling of multiple horizontal wells on or near the section line between the existing 960 and 1280-acre spacing units of the proposed overlapping 2560-acre spacing unit, eliminating any tool error requirements, and such other relief as is appropriate.

Case No. 26101: (Continued) Application of Armstrong Operating, Inc. for an order amending the field rules for the Dickinson and/or Eland-Lodgepole Pool to create and establish a 320-acre spacing unit, or in the alternative, to create a 320-acre drilling unit comprised of the SW/4 of Section 6 and the NW/4 of Section 7, T.139N., R.96W., Stark County, ND, authorizing the drilling of a well not less than 500 feet from the spacing/drilling unit boundary on said 320-acre spacing unit or drilling unit and such other relief as is appropriate.

Case No. 26148: Application of Enerplus Resources (USA) Corp. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 16 and 21, T.151N., R.94W., Antelope-Sanish Pool, McKenzie County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26149: Application of Enerplus Resources (USA) Corp. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as the E/2 of Sections 17 and 20, T.151N., R.94W., Antelope-Sanish Pool, McKenzie County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26150: Application of Enerplus Resources (USA) Corp. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 28 and 33, T.151N., R.94W., Antelope-Sanish Pool, McKenzie County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26151: Application of Enerplus Resources (USA) Corp. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 29 and 32, T.149N., R.92W., Heart Butte-Bakken Pool, Dunn County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26152: Application of Liberty Resources Management Co., LLC for an order authorizing the drilling, completing and producing of a total not to exceed eight wells on an existing 1280-acre spacing unit described as Sections 4 and 9, T.158N., R.96W., Big Meadow-Bakken Pool, Williams County, ND, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 26153: Application of Liberty Resources Management Co., LLC for an order authorizing the drilling, completing and producing of a total not to exceed eight wells on each existing 1280-acre spacing unit described as Sections 6 and 7; and Sections 18 and 19, T.159N., R.93W., North Tioga-Bakken Pool, Burke County, ND, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 26154: Application of Liberty Resources Management Co., LLC for an order authorizing the drilling, completing and producing of a total not to exceed eight wells on an existing 1280-acre spacing unit described as Sections 13 and 24, T.158N., R.93W., Enger Lake-Bakken Pool, Mountrail County, ND, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 26155: Application of Liberty Resources Management Co., LLC for an order authorizing the drilling, completing and producing of a total not to exceed eight wells on an existing 1280-acre spacing unit described as Sections 28 and 33, T.159N., R.93W., Gros Ventre-Bakken Pool, Burke County, ND, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 26156: Application of Liberty Resources Management Co., LLC for an order authorizing the drilling, completing and producing of a total not to exceed eight wells on an existing 1280-acre spacing unit described as Sections 5 and 8, T.158N., R.93W., East Tioga-Bakken Pool, Mountrail County, ND, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 26157: Application of Continental Resources, Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 1 and 12, T.150N., R.97W. and Sections 6 and 7, T.150N., R.96W., Dimmick Lake-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26158: Application of Continental Resources, Inc. 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.150N., R.96W., Fancy Butte-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08 and such other relief as is appropriate.

Case No. 26159: Application of Continental Resources, Inc. for an order authorizing the drilling, completing and producing of a total not to exceed eleven wells on an existing 1280-acre spacing unit described as Section 34, T.147N., R.96W. and Section 3, T.146N., R.96W., Oakdale-Bakken Pool, Dunn County, ND, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 26160: Application of Statoil Oil & Gas LP provided for in NDAC § 43-02-03-88.1 for an order allowing the production from the following described wells: Allison 23-14 1H well (File No. 23034); Allison 23-14 2TFFH well (File No. 23036); Allison 23-14 #3H well (File No. 33576); Allison 23-14 #4TFFH well (File No. 33563); Allison 23-14 #5H well (File No. 33565); Allison 23-14 #6TFFH well (File No. 33567); Allison 23-14 #7H well (File No. 33569); Allison 23-14 #8TFFH well (File No. 33571); Allison 23-14 XW #1TFH well (File No. 33578); Elmer Hovland 23-14 XE #1H well (File No. 33573); Irene Hovland 26-35 XE #1H well (File No. 33574); Jennifer 26-35 1H well (File No. 23033); Jennifer 26-35 2TFFH well (File No. 23035); Jennifer 26-35 #3H well (File No. 33575); Jennifer 26-35 #4TFFH well (File No. 33564); Jennifer 26-35 #5H well (File No. 33566); Jennifer 26-35 #6TFFH well (File No. 33568); Jennifer 26-35 #7H well (File No. 33570); Jennifer 26-35 #8TFFH well (File No. 33572); and Jennifer 26-35 XW #1TFH well (File No. 33577), to be produced into the Allison-Jennifer Central Tank Battery or production facility, all located in Section 23, T.156N., R.100W., East Fork Field, Williams County, ND, pursuant to NDAC 43-02-03-48.1 and such other relief as is appropriate.

Case No. 26161: In the matter of the petition for a risk penalty of Sinclair Oil & Gas Co. requesting an order authorizing the recovery of a risk penalty from certain non-participating owners, as provided by NDCC § 38-08-08 in the drilling and completing of the Highland 1-9H well (File No. 18377) located in a spacing unit described as Section 9, T.153N., R.93W., Sanish-Bakken Pool, Mountrail County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as

Case No. 26162: In the matter of the petition for a risk penalty of Sinclair Oil & Gas Co. requesting an order authorizing the recovery of a risk penalty from certain non-participating owners, as provided by NDCC § 38-08-08 in the drilling and completing of the Highland 2-9H well (File No. 21087) located in a spacing unit described as Section 9, T.153N., R.93W., Sanish-Bakken Pool, Mountrail County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as

Case No. 26163: In the matter of the petition for a risk penalty of Sinclair Oil & Gas Co. requesting an order authorizing the recovery of a risk penalty from certain non-participating owners, as provided by NDCC § 38-08-08 in the drilling and completing of the Highland 3-9TFFH well (File No. 30081) located in a spacing unit described as Section 9, T.153N., R.93W., Sanish-Bakken Pool, Mountrail County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as

Case No. 26164: In the matter of the petition for a risk penalty of Sinclair Oil & Gas Co. requesting an order authorizing the recovery of a risk penalty from certain non-participating owners, as provided by NDCC § 38-08-08 in the drilling and completing of the Highland 4-9H well (File No. 28921) located in a spacing unit described as Section 9, T.153N., R.93W., Sanish-Bakken Pool, Mountrail County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as

Case No. 26165: In the matter of the petition for a risk penalty of Sinclair Oil & Gas Co. requesting an order authorizing the recovery of a risk penalty from certain non-participating owners, as provided by NDCC § 38-08-08 in the drilling and completing of the Highland 5-9H well (File No. 30088) located in a spacing unit described as Section 9, T.153N., R.93W., Sanish-Bakken Pool, Mountrail County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as

Case No. 26166: Application of Liberty Resources Management Co., LLC for an order pursuant to NDAC § 43-02-03-88.1 authorizing the conversion to enhanced recovery into the Glass Bluff-Madison Unit, of the D.M. Iverson A.1 well (File No. 9998), NWNW Section 6, T.151N., R.102W., Glass Bluff Field, McKenzie County, ND, pursuant to NDAC Chapter 43-02-05 and such other relief as is appropriate.

Signed by,  
Doug Burgum, Governor  
Chairman, NDIC

9/26 - 20910066



**Affidavit of Publication**  
**The Dickinson Press**  
Dickinson, North Dakota

STATE OF NORTH DAKOTA     )  
County of Stark                     ) ss

Melanie Epperly being first duly sworn, on my oath,  
say that I am the bookkeeper of The Dickinson Press, a daily  
newspaper of general circulation, printed and published at Dickinson,  
in said county and state, and the advertisement headed:

Notice of Hearing

a printed copy of which is hereunto annexed, was printed and published  
in The Dickinson Press, and in the regular and entire issue of each  
and every number for 1 consecutive weeks, commencing on the  
26 day of SEPTEMBER A.D. 2017 and ending on the  
26 day of SEPTEMBER A.D. 2017, both inclusive.

Straight Matter Lines	<u>31</u>		
First Time Line Rates	<u>0.81</u>	<u>26-Sep</u>	2017
Subsequent Line Rates	<u>0.81</u>		2017
Column Inches			2017
First Time Inch Rate	<u>\$8.86</u>		2017
Subsequent Inch Rate	<u>\$8.86</u>		2017
Total Cost of Legal	\$ <u>25.11</u>		

Melanie Epperly

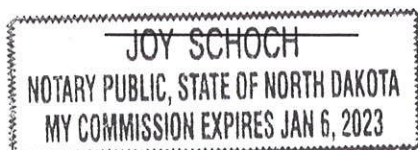
Subscribed and sworn to before me this 26th day of  
SEPTEMBER A.D. 2017

(Seal)

Joy Schoch

Notary Public, State Of North Dakota

My Commission Expires



**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. Thursday, October 19, 2017, 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 Friday, October 06, 2017.

**STATE OF NORTH DAKOTA TO:**

Case No. 26101: (Continued) Application of Armstrong Operating, Inc. for an order amending the field rules for the Dickinson and/or Eland-Lodgepole Pool to create and establish a 320-acre spacing unit, or in the alternative, to create a 320-acre drilling unit comprised of the SW/4 of Section 6 and the NW/4 of Section 7, T.139N., R.96W., Stark County, ND, authorizing the drilling of a well not less than 500 feet from the spacing/drilling unit boundary on said 320-acre spacing unit or drilling unit and such other relief as is appropriate.

Signed by,  
Doug Burgum, Governor  
Chairman, NDIC

(Published September 26, 2017)

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**Affidavit of Publication**  
**The Dickinson Press**  
Dickinson, North Dakota

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**OCT 26 2017**

**ND Oil & Gas Div.**

STATE OF NORTH DAKOTA     )  
County of Stark                     ) ss

MELANIE EPPERLY being first duly sworn, on my oath, say that I am the bookkeeper of The Dickinson Press, a daily newspaper of general circulation, printed and published at Dickinson, in said county and state, and the advertisement headed:

NOTICE OF HEARING

a printed copy of which is hereunto annexed, was printed and published in The Dickinson Press & Advertiser, and in the regular and entire issue of each and every number for \_\_\_\_\_ 1 consecutive weeks, commencing on the

\_\_\_\_\_ 24 day of OCTOBER A.D. 2017 and ending on the  
\_\_\_\_\_ 24 day of OCTOBER A.D. 2017, both inclusive.

Straight Matter Lines \_\_\_\_\_ 38

First Time Line Rates \_\_\_\_\_ 0.81 \_\_\_\_\_ 24-Oct 2017

Subsequent Line Rates \_\_\_\_\_ 0.81 \_\_\_\_\_ 24-Oct 2017

Column Inches \_\_\_\_\_ 2017

First Time Inch Rate \_\_\_\_\_ \$8.86 \_\_\_\_\_ 2017

Subsequent Inch Rate \_\_\_\_\_ \$8.86 \_\_\_\_\_ 2017

Total Cost of Legal \$ \_\_\_\_\_ 30.78

Melanie Epperly

Subscribed and sworn to before me this \_\_\_\_\_ 24TH day of  
\_\_\_\_\_ OCTOBER A.D. 2017

(Seal)

Joy Schoch

Notary Public, State Of North Dakota

My Commission Expires

JOY SCHOCH  
NOTARY PUBLIC, STATE OF NORTH DAKOTA  
MY COMMISSION EXPIRES JAN 6, 2023

**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. Thursday, November 16, 2017, 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 Friday, November 03, 2017.

**STATE OF NORTH DAKOTA TO:**  
Case No. 26101: (Continued) Application of Armstrong Operating, Inc. for an order amending the field rules for the Dickinson and/or Eland-Lodgepole Pool to create and establish a 320-acre spacing unit, or in the alternative, to create a 320-acre drilling unit comprised of the SW/4 of Section 6 and the NW/4 of Section 7, T.139N., R.96W., Stark County, ND, authorizing the drilling of a well not less than 500 feet from the spacing/drilling unit boundary on said 320-acre spacing unit or drilling unit and such other relief as is appropriate.

/s/Doug Burgum, Governor  
Chairman, NDIC  
(Published October 24, 2017)





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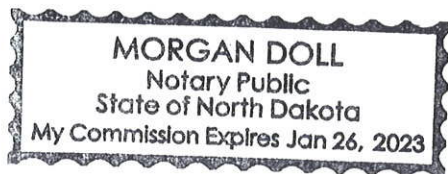
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			Bismarck Tribune				
			PO:Hearing Notice				

Affidavit of Publication  
State of North Dakota ) SS: County of Burleigh  
Before me, a Notary Public for the State of North Dakota  
personally appeared JKL who being duly sworn, deposes  
and says that he (she) is the Clerk of Bismarck Tribune Co.,  
and that the publication(s) were made through the  
Bismarck Tribune on the following dates:  
10/27 Signed Gail Massey  
sworn and subscribed to before me this 15th  
day of November 2017  
Morgan Doll  
Notary Public in and for the State of North Dakota



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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. Thursday, November 16, 2017, 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 Friday, November 03, 2017.

**STATE OF NORTH DAKOTA TO:**

Case No. 26201: Application of Windridge Operating LLC for an order suspending and, after hearing, revoking the permits issued to Petro Harvester Operating Co., LLC to drill the STC1 35-26 164-93 B well (File No. 34127), the STC1 35-26 164-93 C well (File No. 34128), and the STC1 35-26 164-93 D well (File No. 34129), with surface locations in Lot 2 of Section 2, T.163N., R.93W., Burke County, ND, and such other relief as is appropriate.

Case No. 26202: Application of Hunt Oil Co. for an order amending the field rules for the Wolf Bay and/or Werner-Bakken Pool to create and establish an overlapping 1920-acre spacing unit comprised of Sections 1, 12 and 13, T.146N., R.93W., Dunn County, ND, authorizing a total not to exceed two wells on said overlapping 1920-acre spacing unit, and such other relief as is appropriate.

Case No. 26203: Application of Zavanna, LLC for an order amending the field rules for the Avoca and/or Stockyard Creek-Bakken Pool, Williams County, ND, to create and establish an overlapping 2560-acre spacing unit comprised of Sections 24 and 25, T.134N., R.100W., and Sections 19 and 30, T.154N., R.99W., authorizing the drilling of a horizontal well on or near the section line between existing 1280-acre spacing units on said proposed overlapping 2560-acre spacing unit, and such other relief as is appropriate.

Case No. 26204: Application of PetroShale (US), Inc. for an order amending the field rules for the Antelope-Sanish Pool to create and establish two overlapping 2560-acre spacing units comprised of Sections 16, 17, 20 and 21, and Sections 17, 18, 19 and 20, T.152N., R.94W., McKenzie County, ND, authorizing the drilling of a total not to exceed two horizontal wells on or near the section line between the existing 1280-acre spacing units of each proposed overlapping 2560-acre spacing unit, and such other relief as is appropriate.

Case No. 26205: Application of Continental Resources, Inc. for an order amending the field rules for the Camp and/or Banks-Bakken Pool, McKenzie County, ND, to create and establish two overlapping 5120-acre spacing units comprised of Sections 1, 12, 13 and 24, T.152N., R.100W., and Sections 6, 7, 18 and 19, T.152N., R.99W., and Sections 5, 6, 7, 8, 17, 18, 19 and 20, T.152N., R.99W., authorizing the drilling of four horizontal wells on or near the section line between the existing 1280 and 2560-acre spacing units of each proposed overlapping 5120-acre spacing unit, and such other relief as is appropriate.

Case No. 26206: Application of Continental Resources, Inc. for an order amending the field rules for the North Tobacco Garden-Bakken Pool to create and establish an overlapping 2560-acre spacing unit comprised of Sections 1, 2, 11 and 12, T.151N., R.99W., McKenzie County, ND, authorizing the drilling of a horizontal well on or near the section line between the existing 1280-acre spacing units of the proposed overlapping 2560-acre spacing unit, and such other relief as is appropriate.

Case No. 26207: Application of Continental Resources, Inc. for an order authorizing the drilling, completing, and producing of the Sakakawea Federal 1-19H2 well (File No. 33539) with portions of the well bore closer than 300 feet but not less than 295 feet from the west boundary of Sections 18 and 19, T.153N., R.93W., McKenzie County, ND as an exception to the field rules for the Elm Tree Field, and such other relief as is appropriate.

Case No. 26145: (Continued) Application of Continental Resources, Inc. for an order suspending, and after hearing revoking, a permit issued to Abraxas Petroleum Corp. for the drilling of the Rav-Wiley #1H (File No. 33954) well on a spacing unit for the North Fork-Bakken Pool consisting of Sections 25, 26, 35 and 36, T.150N., R.97W., McKenzie County, ND, and such other relief as is appropriate.

Case No. 26208: Application of Liberty Resources Management Co., LLC for an order amending the field rules for the West Tioga-Bakken Pool to create and establish an overlapping 1920-acre spacing unit comprised of Section 33, T.158N., R.95W., and Sections 4 and 9, T.157N., R.95W., Williams County, ND, authorizing the drilling of a total not to exceed eight wells on said overlapping 1920-acre spacing unit and such other relief as is appropriate.

Case No. 26209: Application of Liberty Resources Management Co., LLC for an order amending the field rules for the White Earth, East Tioga and/or Enget Lake-Bakken Pool, Mountrail County, ND, to create and establish six overlapping 2560-acre spacing units comprised as follows: (i) Sections 25, 26, 35 and 36, T.158N., R.94W.; (ii) Sections 25 and 36, T.158N., R.94W., and Sections 30 and 31, T.158N., R.93W.; (iii) Sections 26, 27, 34 and 35; (iv) Sections 27, 28, 33 and 34; (v) Sections 28, 29, 32 and 33; and, (vi) Sections 29, 30, 31 and 32, T.158N., R.93W., authorizing the drilling of a horizontal well on or near the section line between existing 640, 1280 and 2560-acre spacing units of each proposed overlapping 2560-acre spacing unit and other relief as is appropriate.

Case No. 26210: Application of Slawson Exploration Co., Inc. for an order amending the field rules for the Big Bend-Bakken Pool, Mountrail County, ND, as follows: (i) create and establish a 1920-acre spacing unit comprised of Section 32, T.152N., R.91W., and Sections 5 and 8, T.151N., R.91W., authorizing the drilling of a total not to exceed ten horizontal wells on said 1920-acre spacing unit; and (ii) create and establish an overlapping 3840-acre spacing unit comprised of Sections 31 and 32, T.152N., R.91W., and Sections 5, 6, 7 and 8, T.151N., R.91W., authorizing the drilling of a total not to exceed two horizontal wells on or near the section line between the proposed 1920-acre spacing unit and an existing 3200-acre spacing unit of said proposed overlapping 3840-acre spacing unit, and such other relief as is appropriate.

Case No. 26211: Application of North Range Resources, LLC for an order authorizing the recompletion of the Duncan Federal 30-24 well (File No. 6959) in the Scairt Woman Field into the Birdbear Formation at a location approximately 870 feet from the south line and 2050 feet from the west line of Section 30, T.145N., R.99W., McKenzie County, ND, as an exception to the well location rules and such other relief as is appropriate.

Case No. 26212: Application of XTO Energy Inc. for an order amending the field rules for the Heart Butte-Bakken Pool, Dunn County, ND, to create and establish an overlapping 1280-acre spacing unit comprised of the E/2 of Section 35, the W/2 of Section 36, T.149N., R.92W., and all of Section 4, T.148N., R.92W., authorizing the drilling of a horizontal well on or near the section line between Sections 35 and 36 and on the east/west centerline boundary of Section 4 on said proposed overlapping 1280-acre spacing unit, and such other relief as is appropriate.

Case No. 26213: Application of XTO Energy Inc. for an order amending the field rules for the Haystack Butte and/or Lost Bridge-Bakken Pool, Dunn County, ND, to create and establish the following: (i) two overlapping 1920-acre spacing units comprised of Sections 1, 12 and 13; and Sections 2, 11 and 14, T.148N., R.97W.

authorizing the drilling of a total not to exceed ten wells on each overlapping 1920-acre spacing unit; and (ii) three overlapping 3840-acre spacing units comprised of Sections 1, 2, 11, 12, 13 and 14; Sections 2, 3, 10, 11, 14 and 15, T.148N., R.97W.; and Sections 1, 12 and 13, T.148N., R.97W., and Sections 6, 7 and 18, T.148N., R.96W., authorizing the drilling of a horizontal well on or near the section line between existing and proposed 1280 and 1920-acre spacing units on each proposed overlapping 3840-acre spacing unit, and such other relief as is appropriate.

Case No. 26214: Application of XTO Energy Inc. for an order amending the field rules for the Lost Bridge and/or Big Gulch-Bakken Pool, Dunn County, ND, to create and establish an overlapping 2560-acre spacing unit comprised of Sections 25 and 36, T.148N., R.97W., and Sections 30 and 31, T.148N., R.96W., authorizing the drilling of a horizontal well on or near the section line between existing 1280-acre spacing units on said proposed overlapping 2560-acre spacing unit, and such other relief as is appropriate.

Case No. 26215: Application of Enerplus Resources (USA) Corp. for an order amending the field rules for the McGregory Buttes-Bakken Pool, Dunn County, ND, to create and establish two overlapping 2560-acre spacing units comprised as follows: (i) Sections 1, 2, 11 and 12; and, (ii) Sections 2, 3, 10 and 11, T.148N., R.94W., authorizing the drilling of a total not to exceed two horizontal wells on or near the section line between existing 1280-acre spacing units of each proposed overlapping 2560-acre spacing unit and such other relief as is appropriate.

Case No. 26216: Application of Enerplus Resources (USA) Corp. for an order amending the field rules for the Antelope-Sanish Pool, McKenzie County, ND, to create and establish an overlapping 1280-acre spacing unit comprised of the W/2 of Sections 28 and 33 and the E/2 of Sections 29 and 32, T.152N., R.94W., authorizing the drilling of a total not to exceed two horizontal wells on or near the section line between existing 640 and 1280-acre spacing units of said proposed overlapping 1280-acre spacing unit and such other relief as is appropriate.

Case No. 26217: Application of EOG Resources, Inc. for an order amending the field rules for the Clarks Creek-Bakken Pool and/or Antelope-Sanish Pool, McKenzie County, ND, as follows: (i) create and establish an overlapping 1280-acre spacing unit comprised of the W/2 of Sections 29 and 32 and the E/2 of Sections 30 and 31, T.152N., R.94W., authorizing the drilling of multiple wells on or near the section line between existing 640 and 1280-acre spacing units of the proposed overlapping 1280-acre spacing unit; and (ii) create and establish an overlapping approximate 2432.32-acre spacing unit comprised of the W/2 and the W/2 E/2 of Sections 18 and 19, T.151N., R.94W., and Lots 5, 6, 7 and 8 and the E/2 of Sections 13 and 24, T.151N., R.95W., authorizing the drilling of multiple wells on or near the section line between existing 1440 and 2560-acre spacing units of the proposed overlapping approximate 2432.32-acre spacing unit, and such other relief as is appropriate.

Case No. 26100: (Continued) Application of EOG Resources, Inc. for an order amending the field rules for the Clarks Creek-Bakken Pool, McKenzie County, ND, to create and establish an overlapping 2560-acre spacing unit comprised of Sections 25 and 36, T.152N., R.95W., and Sections 30 and 31, T.152N., R.94W., authorizing the drilling of multiple horizontal wells on or near the section line between the existing 960 and 1280-acre spacing units of the proposed overlapping 2560-acre spacing unit, eliminating any tool error requirements, and such other relief as is appropriate.

Case No. 26099: (Continued) Application of EOG Resources, Inc. for an order amending the field rules for the Marshall-Bakken Pool, Mountrail County, ND, to create and establish two overlapping 2560-acre spacing units comprised of Sections 26, 27, 34 and 35, T.155N., R.90W.; and Sections 2, 3, 10 and 11, T.154N., R.90W., authorizing the drilling of a horizontal well on or near the section line between the existing 640 and 1280-acre spacing units of each of the proposed overlapping 2560-acre spacing units, and such other relief as is appropriate.

Case No. 26218: On a motion of the Commission to review the authorization and permit under Order No. 24930 for All Clear Environmental, LLC (fka ND Energy Services) to operate a treating plant located in the NESW of Section 22, T.152N., R.98W., McKenzie County, ND, known as the NDEn Services Treating Plant #1 (Facility No. 700117-01), and such other relief as is

Case No. 26101: (Continued) Application of Armstrong Operating, Inc. for an order amending the field rules for the Dickinson and/or Eland-Lodgepole Pool to create and establish a 320-acre spacing unit, or in the alternative, to create a 320-acre drilling unit comprised of the SW/4 of Section 6 and the NW/4 of Section 7, T.139N., R.96W., Stark County, ND, authorizing the drilling of a well not less than 500 feet from the spacing/drilling unit boundary on said 320-acre spacing unit or drilling unit and such other relief as is appropriate.

Case No. 26073: (Continued) Application of GEM Razorback, LLC, for the determination of the reasonable costs related to the costs and risk penalties assessed against GEM Razorback, LLC, for its interests in the Berquist #43-28H well (File No. 18980) located in a spacing unit described as Sections 28 and 33, and the Ceynar #29-32H well (File No. 19350) located in a spacing unit described as Sections 29 and 32, both in T.152N., R.98W., McKenzie County, ND, pursuant to NDCC § 38-08-08, and request for hearing pursuant to NDAC § 43-02-03-88.

Case No. 26130: (Continued) Application of PetroShale (US), Inc. for an order suspending and, after hearing, revoking the permits issued to EOG Resources, Inc. to drill the Riverview 108-3229H (File No. 31444), Riverview 107-3229H (File No. 31445), Riverview 110-3229H (File No. 31446), Riverview 109-3229H (File No. 31447), Riverview 112-3229H (File No. 31448), Riverview 111-3229H (File No. 31449), Riverview 113-3229H (File No. 31450), Riverview 9-3229H (File No. 31451), Riverview 10-3229H (File No. 31452), Riverview 11-3229H (File No. 31453), Riverview 120-3229H (File No. 31713), and Riverview 12-3229H (File No. 31714) wells, with surface locations in Section 32, T.152N., R.94W., and

bottomhole locations in Section 29, T.152N., R.94W., McKenzie County, ND, Antelope-Bakken Pool, and for such other relief as

Case No. 26219: Application of PetroShale (US), Inc. for an order amending the applicable orders for the Eagle Nest-Bakken Pool to establish an overlapping 640-acre spacing unit consisting of the W/2 of Section 4 and the E/2 of Section 5, T.148N., R.94W., Dunn County, ND for the purpose of drilling two horizontal wells on or near the common section line between the existing 320-acre and 1280-acre spacing units, eliminating any tool error requirements, and such other relief as is appropriate.

Case No. 26220: Application of PetroShale (US), Inc. for an order amending the applicable orders for the Eagle Nest-Bakken Pool to establish an overlapping 640-acre spacing unit consisting of Section 5, T.148N., R.94W., Dunn County, ND for the purpose of drilling two horizontal wells on or near the common section line between the existing 320-acre spacing units, eliminating any tool error requirements, and such other relief as is appropriate.

Case No. 26221: Application of PetroShale (US), Inc. for an order amending the applicable orders for the Mandaree-Bakken Pool to establish an overlapping 1280-acre spacing unit consisting of Sections 9 and 16, T.149N., R.93W., Dunn County, ND for the purpose of drilling two horizontal wells on or near the common north-south lease lines between existing 320-acre spacing units, eliminating any tool error requirements, and such other relief as is appropriate.

Case No. 26222: Application of PetroShale (US), Inc. for an order amending the applicable orders for the Mandaree-Bakken Pool to establish an overlapping 2560-acre spacing unit consisting of Sections 9, 10, 15, and 16, T.149N., R.93W., Dunn County, ND for the purpose of drilling two horizontal wells on or near the section line between the existing 320-acre and 640-acre spacing units, eliminating any tool error requirements, and such other relief as is appropriate.

Case No. 26223: Application of PetroShale (US), Inc. for an order amending the applicable orders for the Mandaree-Bakken Pool to establish an overlapping 2560-acre spacing unit consisting of Sections 10, 11, 14, and 15, T.149N., R.93W., Dunn County, ND for the purpose of drilling two horizontal wells on or near the section line between the existing spacing units, eliminating any tool error requirements, and such other relief as is appropriate.

Case No. 26128: (Continued) Application of PetroShale (US), Inc. for an order amending the applicable orders for the Squaw Creek-Bakken Pool to establish an overlapping 2560-acre spacing unit consisting of all of Sections 5, 6, 7, and 8, T.149N., R.94W., McKenzie County, ND for the purpose of drilling up to three horizontal wells on or near the common 1280-acre spacing units boundary, and granting such other and further relief as may be appropriate.

Case No. 26129: (Continued) Application of PetroShale (US), Inc. for an order amending the applicable orders for the Squaw Creek-Bakken Pool to establish a 1280-acre spacing unit consisting of all of Sections 4 and 9, T.149N., R.94W., McKenzie County, ND, authorizing but not requiring the drilling, completing, and producing of fifteen wells on said spacing unit, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 26224: Application of PetroShale (US), Inc. for an order amending the applicable orders for the Eagle Nest-Bakken Pool to allow up to four horizontal wells in the existing 320-acre spacing unit consisting of the E/2 of Section 5, T.148N., R.94W., Dunn County, ND, eliminating any tool error requirements, and such other relief as is appropriate.

Case No. 26225: Application of Crescent Point Energy U.S. Corp. for an order pursuant to NDAC § 43-02-03-88.1 authorizing the flaring of gas from the CPEC Lancaster 2-11-162N-102W well (File No. 20735) located in the NWNE of Section 2, T.162N., R.102W., Divide County, ND, Alkabo-Bakken Pool, pursuant to the provisions of NDCC § 38-08-06.4 and such other relief as is appropriate.

Case No. 26226: Application of Crescent Point Energy U.S. Corp. for an order pursuant to NDAC § 43-02-03-88.1 authorizing the flaring of gas from the CPEUSC Justin Troy 33-28-160N-97W well (File No. 22784) located in the SESW of Section 33, T.160N., R.97W., Divide County, ND, Wildrose-Bakken Pool, pursuant to the provisions of NDCC § 38-08-06.4 and such other relief as is appropriate.

Case No. 26227: Application of Continental Resources, Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 1, 12, 13 and 24, T.152N., R.100W. and Sections 6, 7, 18 and 19, T.152N., R.99W., Camp and/or Banks-Bakken Pool, McKenzie County, ND as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26228: Application of Continental Resources, Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 5, 6, 7, 8, 17, 18, 19 and 20, T.152N., R.99W., Camp and/or Banks-Bakken Pool, McKenzie County, ND as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26229: Application of Continental Resources, Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 1, 2, 11 and 12, T.151N., R.99W., North Tobacco Garden-Bakken Pool, McKenzie County, ND as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26230: Application of Slawson Exploration Co., Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Section 36, T.151N., R.92W. and Sections 31 and 32, T.151N., R.91W., Big Bend-Bakken Pool, Mountrail County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26231: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 10, 11, 14 and 15, T.149N., R.92W., Heart Butte-Bakken Pool, Dunn County, ND as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26232: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 11, 12, 13 and 14,

T.149N., R.92W., Heart Butte-Bakken Pool, Dunn County, ND as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26233: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 12 and 13, T.149N., R.92W. and Sections 7 and 18, T.149N., R.91W., Heart Butte-Bakken Pool, Dunn County, ND as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26234: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 23, 24, 25 and 26, T.149N., R.92W., Heart Butte-Bakken Pool, Dunn County, ND as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26235: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Section 36, T.149N., R.92W., and the W/2 of Section 3 and the E/2 of Section 4, T.148N., R.92W., Heart Butte-Bakken Pool, Dunn County, ND as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26236: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 17, 18, 19 and 20, T.149N., R.91W., Heart Butte-Bakken Pool, Dunn County, ND as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26237: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 28, 29, 32 and 33, T.149N., R.91W., Heart Butte-Bakken Pool, Dunn County, ND as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26238: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as the W/2 of Sections 29 and 32 and the E/2 of Sections 30 and 31, T.149N., R.91W., Heart Butte-Bakken Pool, Dunn County, ND as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26239: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Section 31, T.149N., R.91W., and the W/2 of Section 2 and the E/2 of Section 3, T.148N., R.92W., Heart Butte-Bakken Pool, Dunn County, ND as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26240: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 10, 11, 14 and 15, T.148N., R.92W., Heart Butte-Bakken Pool, Dunn County, ND as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26241: Application of XTO Energy Inc. for an order authorizing the drilling, completing and producing of a total not to exceed nine wells on an existing 1280-acre spacing unit described as Sections 23 and 24, T.148N., R.97W., Lost Bridge-Bakken Pool, Dunn County, ND, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 26242: Application of WXP Energy Williston, LLC for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 26, 27, 34 and 35, T.149N., R.93W., Mandaree-Bakken Pool, Dunn County, ND as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26243: Application of Samson Oil and Gas USA, Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 17 and 20, T.150N., R.102W., Foreman Butte-Madison Pool, McKenzie County, ND as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26244: Application of Statoil Oil & Gas LP provided for in NDAC § 43-02-03-88.1 for an order allowing the production from the following described wells: Broderson 30-31F #5H well (File No. 33611), Broderson 30-31F #6TFH well (File No. 33617), Broderson 30-31F #7H well (File No. 33615), and Broderson 30-31F #8TFH well (File No. 33613), to be produced into the Broderson 30-31F Central Tank Battery or production facility, all located in Section 30, T.153N., R.97W., Banks Field, McKenzie County, ND, pursuant to NDAC 43-02-03-48.1 and such other relief as is appropriate.

Case No. 26245: Application of Statoil Oil & Gas LP provided for in NDAC § 43-02-03-88.1 for an order allowing the production from the following described wells: Garmann 19-18F #5H well (File No. 33612), Garmann 19-18F #6TFH well (File No. 33618), Garmann 19-18F #7H well (File No. 33616), and Garmann 19-18F #8TFH well (File No. 33614), to be produced into the Garmann 19-18F Central Tank Battery or production facility, all located in Section 30, T.153N., R.97W., Banks Field, McKenzie County, ND, pursuant to NDAC 43-02-03-48.1 and such other relief as is appropriate.

Signed by:  
Doug Burgum, Governor  
Chairman, NDIC  
10/27 - 20913812



**Affidavit of Publication**  
**The Dickinson Press**  
Dickinson, North Dakota

**RECEIVED**  
**NOV 27 2017**  
**ND Oil & Gas Div.**

STATE OF NORTH DAKOTA    )  
County of Stark                ) ss

MELANIE EPPERLY being first duly sworn, on my oath,  
say that I am the bookkeeper of The Dickinson Press, a daily  
newspaper of general circulation, printed and published at Dickinson,  
in said county and state, and the advertisement headed:

NOTICE OF HEARING ND INDUSTRIAL COMMISSION OIL & GAS DIVISION

a printed copy of which is hereunto annexed, was printed and published  
in The Dickinson Press & Advertizer, and in the regular and entire issue of each  
and every number for 1 consecutive weeks, commencing on the  
21 day of November A.D. 2017 and ending on the  
21 day of November A.D. 2017, both inclusive.

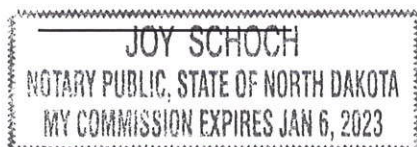
Straight Matter Lines	<u>35</u>		
First Time Line Rates	<u>0.81</u>	<u>21-Nov</u>	<u>2017</u>
Subsequent Line Rates	<u>0.81</u>		<u>2017</u>
Column Inches			<u>2017</u>
First Time Inch Rate	<u>\$8.86</u>		<u>2017</u>
Subsequent Inch Rate	<u>\$8.86</u>		<u>2017</u>
Total Cost of Legal	\$ <u>28.35</u>		

Melanie Epperly

Subscribed and sworn to before me this 21ST day of  
November A.D. 2017

(Seal) Joy Schoch  
Notary Public, State Of North Dakota

My Commission Expires



**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. Thursday, December 14, 2017, 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 Friday, December 01, 2017.  
**STATE OF NORTH DAKOTA TO:**  
Case No. 26101: (Continued) Application of Armstrong Operating, Inc. for an order amending the field rules for the Dickinson and/or Eland-Lodgepole Pool to create and establish a 320-acre spacing unit, or in the alternative, to create a 320-acre drilling unit comprised of the SW/4 of Section 6 and the NW/4 of Section 7, T.139N., R.96W., Stark County, ND, authorizing the drilling of a well not less than 500 feet from the spacing/drilling unit boundary on said 320-acre spacing unit or drilling unit and such other relief as is appropriate.  
Signed by,  
Doug Burgum, Governor  
Chairman, NDIC  
(Published November 21, 2017)



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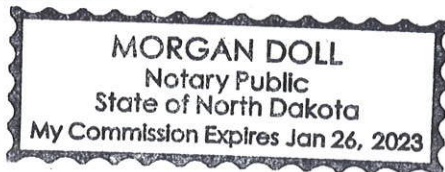
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Before me, a Notary Public for the State of North Dakota  
personally appeared JPL who being duly sworn, deposes  
and says that he (she) is the Clerk of Bismarck Tribune Co.,  
and that the publication(s) were made through the  
Bismarck Tribune on the following dates:  
11/22 Signed Jill Lindsay  
sworn and subscribed to before me this 26th  
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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. Thursday, December 14, 2017, 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 Friday, December 01, 2017.

STATE OF NORTH DAKOTA TO:

Case No. 26284: Application of Resource Energy Can-Am LLC for an order as follows: (i) create an 800-acre drilling unit comprised of Sections 27 and 34, T.164N., R.99W.; and, (ii) create two 1280-acre drilling units comprised of Sections 3 and 10, T.163N., R.99W.; and Sections 30 and 31, T.163N., R.98W., Divide County, ND, authorizing the drilling of a horizontal well in the Madison Pool within each drilling unit and such other relief as is appropriate.

Case No. 26285: Application of Continental Resources, Inc. for an order amending the field rules for the East Fork-Bakken Pool create and establish an overlapping 2560-acre spacing unit comprised of Sections 28, 29, 32 and 33, T.156N., R.99W., Williams County, ND, authorizing the drilling of a total not to exceed two wells on or near the section line between the existing 1280-acre spacing units of the proposed overlapping 2560-acre spacing unit, and such other relief as is appropriate.

Case No. 26286: Application of Continental Resources, Inc. for an order amending the field rules for the Willow Creek, Crazy Man Creek and/or Camp-Bakken Pool, McKenzie and Williams Counties, ND, to create and establish two overlapping 2560-acre spacing units comprised of Sections 3, 4, 9 and 10 and Sections 4, 5, 8 and 9, T.152N., R.100W., authorizing the drilling of a total not to exceed two wells on or near the section line between the existing 1280 and 1600-acre spacing units of the proposed overlapping 2560-acre spacing units, and such other relief as is appropriate.

Case No. 26287: Application of Slawson Exploration Co., Inc. for an order creating a 160-acre drilling unit comprised of the SE/4 of Section 36, T.149N., R.103W., McKenzie County, ND, authorizing the recompletion of the Condor 1-36-25H well (File No. 19742) at a location approximately 460 feet from the south line and 1330 feet from the east line of Section 36, as an exception to the provisions of NDAC § 43-02-03-18 and such other relief as is appropriate.

Case No. 26288: Application of RimRock Oil & Gas Williston LLC for an order authorizing the flaring of gas from certain current and future wells completed in the Twin Buttes-Bakken Pool, Dunn County, North Dakota, for a temporary period of time and to allow the volumes of flared gas to be excluded from the calculations of statewide and county wide flare volumes as an exception to the provisions of Commission Order No. 24665 and such further and additional relief.

Case No. 26101: (Continued) Application of Armstrong Operating, Inc. for an order amending the field rules for the Dickinson and/or Eland-Lodgepole Pool to create and establish a 320-acre spacing unit, or in the alternative, to create a 320-acre drilling unit comprised of the SW/4 of Section 6 and the NW/4 of Section 7, T.139N., R.96W., Stark County, ND, authorizing the drilling of a well not less than 500 feet from the spacing/drilling unit boundary on said 320-acre spacing unit or drilling unit and such other relief as is appropriate.

Case No. 26130: (Continued) Application of PetroShale (US), Inc. for an order suspending and, after hearing, revoking the permits issued to EOG Resources, Inc. to drill the Riverview 108-3229H (File No. 31444), Riverview 107-3229H (File No. 31445), Riverview 110-3229H (File No. 31446), Riverview 109-3229H (File No. 31447), Riverview 112-3229H (File No. 31448), Riverview 111-3229H (File No. 31449), Riverview 113-3229H (File No. 31450), Riverview 9-3229H (File No. 31451), Riverview 10-3229H (File No. 31452), Riverview 11-3229H (File No. 31453), Riverview 120-3229H (File No. 31713), and Riverview 12-3229H (File No. 31714) wells, with surface locations in Section 32, T.152N., R.94W., and bottomhole locations in Section 29, T.152N., R.94W., McKenzie County, ND, Antelope-Bakken Pool, and for such other relief as is appropriate.

Case No. 26289: Application of PetroShale (US), Inc. for an order suspending and, after hearing, revoking the permit issued to Missouri River Resources ND, LLC to drill the FBIR Packineau 14X-4A HTF well (File No. 34188), with a surface location in the SWSW of Section 4, T.149N., R.94W. and bottom hole location in the NWNW of Section 4, T.149N., R.94W., McKenzie County, ND, Squaw Creek-Bakken Pool, and such other relief as is appropriate.

Case No. 26128: (Continued) Application of PetroShale (US), Inc. for an order amending the applicable orders for the Squaw Creek-Bakken Pool to establish an overlapping 2560-acre spacing unit consisting of all of Sections 5, 6, 7, and 8, T.149N., R.94W., McKenzie County, ND for the purpose of drilling up to three horizontal wells on or near the common 1280-acre spacing units boundary, and granting such other and further relief as may be appropriate.

Case No. 26129: (Continued) Application of PetroShale (US), Inc. for an order amending the applicable orders for the Squaw Creek-Bakken Pool to establish a 1280-acre spacing unit consisting of all of Sections 4 and 9, T.149N., R.94W., McKenzie County, ND, authorizing but not requiring the drilling, completing, and producing of fifteen wells on said spacing unit, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 26181: (Continued) Application of WPX Energy Williston, LLC for an order amending the field rules for the Mandaree-Bakken Pool to create and establish an overlapping 1280-acre spacing unit comprised of all of Sections 9 and 16, T.149N., R.93W., Dunn County, ND, authorizing the drilling of a total not to exceed seven wells on said overlapping 1280-acre spacing unit, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 26290: Application of Zavanna LLC and Palace Exploration Co. for an order enforcing pooling order Nos. 17368, 17370, 17371, 17532, 17834, 18729, 19086, 19805 19910, 21240, 25240, 25830, 25841, 27956, 27957, 27958, and 27959, McKenzie and Williams Counties, ND.

Case No. 26291: Application of Slawson Exploration Co., Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 26, 27, 34 and 35, T.152N., R.93W., Big Bend-Bakken Pool, McKenzie and Mountrail Counties, ND as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26292: Application of Continental Resources, Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 28, 29, 32 and 33, T.156N., R.99W., East Fork-Bakken Pool, Williams County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26293: Application of Continental Resources, Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 29, 30, 31 and 32, T.156N., R.99W., East Fork-Bakken Pool, Williams County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26294: Application of Continental Resources, Inc. for an order for the East Fork-Bakken Pool, Williams County, ND, authorizing the drilling, completing and producing of a total not to exceed two horizontal wells on or near the section line of an existing overlapping 2560-acre spacing unit described as Sections 29, 30, 31 and 32, T.156N., R.99W., eliminating any tool error requirements and such other relief as is appropriate.

Case No. 26295: Application of Continental Resources, Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 3, 4, 9 and 10, T.152N., R.100W., Willow Creek, Crazy Man Creek and/or Camp-Bakken Pool, McKenzie and Williams Counties, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26296: Application of Continental Resources, Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 4, 5, 8 and 9, T.152N., R.100W., Willow Creek-Bakken Pool, McKenzie and Williams Counties, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26297: Application of Continental Resources, Inc. for an order authorizing the drilling, completing and producing of a total not to exceed nine wells on an existing 1280-acre spacing unit described as Sections 4 and 9, T.152N., R.100W., Willow Creek-Bakken Pool, McKenzie and Williams Counties, ND, eliminating any tool error

requirements and such other relief as is appropriate.

Case No. 26298: Application of Continental Resources, Inc. provided for in NDAC § 43-02-03-88.1 for an order allowing the production from the following described wells: Omid 2-19H well (File No. 33465), Omid 3-19H1 well (File No. 33464), Omid 4-19H well (File No. 33463), Omid 5-19H2 well (File No. 33462), Omid 6-19H well (File No. 33644), Omid 7-19H1 well (File No. 33647), Omid 8-19H well (File No. 33646), Ransom 2-30H well (File No. 33468), Ransom 3-30H1 well (File No. 33467), Ransom 4-30H well (File No. 33466), Ransom 5-30H2 well (File No. 33643), Ransom 6-30H1 well (File No. 33651), Ransom 7-30H well (File No. 33650), Ransom 8-30HSL2 well (File No. 33649), and Ransom 9-30HSL well (File No. 33648), to be produced into the Omid 2-8/Ransom 2-9 CTB Central Tank Battery or production facility, all located in Section 30, T.151N., R.97W., Elidah Field, McKenzie County, ND, pursuant to NDAC 43-02-03-48.1 and such other relief as is appropriate.

Case No. 26299: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 25 and 36, T.151N., R.98W. and Sections 30 and 31, T.151N., R.97W., Elidah-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26300: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 1 and 12, T.150N., R.98W. and Sections 6 and 7, T.150N., R.97W., Siverston-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26301: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 25, 26, 35 and 36, T.150N., R.98W., Siverston-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26302: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 4, 5, 8 and 9, T.150N., R.97W., Siverston-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26303: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 5, 6, 7 and 8, T.150N., R.97W., Siverston-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26304: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 1, 2, 11 and 12, T.149N., R.98W., Pembroke-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26305: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 4, 9 and 16, T.149N., R.97W., North Fork-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26306: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 4, 5, 8, 9, 16 and 17, T.149N., R.97W., North Fork-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other

spacing units and such other relief as is appropriate.

Case No. 26307: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 25, 26, 35 and 36, T.149N., R.96W., Bear Den-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26308: Application of XTO Energy Inc. for an order authorizing the drilling, completing and producing of a total not to exceed ten wells on an existing 1280-acre spacing unit described as Sections 23 and 24, T.148N., R.97W., Lost Bridge-Bakken Pool, Dunn County, ND, eliminating any tool error requirements and such other relief as is appropriate.



Case No. 26309: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 1, 2, 11, 12, 13 and 14, T.148N., R.97W., Lost Bridge-Bakken Pool, Dunn County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26310: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 1, 12 and 13, T.148N., R.97W., Lost Bridge-Bakken Pool, Dunn County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26311: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 2, 11 and 14, T.148N., R.97W., Lost Bridge-Bakken Pool, Dunn County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26312: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 1, 12 and 13, T.148N., R.97W. and Sections 6, 7 and 18, T.148N., R.96W., Lost Bridge-Bakken Pool, Dunn County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26313: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 2, 3, 10, 11, 14 and 15, T.148N., R.97W., Haystack Butte and/or Lost Bridge-Bakken Pool, Dunn County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26314: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 29, 30, 31 and 32, T.149N., R.96W., Haystack Butte-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26315: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 22, 23, 26, 27, 34 and 35, T.148N., R.96W., Bear Creek-Bakken Pool, Dunn County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26316: Application of XTO Energy Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests for wells drilled on the overlapping spacing unit described as Sections 23, 26 and 35, T.148N., R.96W., Bear Creek-Bakken Pool, Dunn County, ND, as provided by NDCC § 38-08-08 but not reallocating production for wells producing on other spacing units and such other relief as is appropriate.

Case No. 26317: in the matter of the petition for a risk penalty of Peregrine

Petroleum Partners, Ltd requesting an order authorizing the recovery of a risk penalty from certain non-participating owners, as provided by NDCC § 38-08-08 in the drilling and completing of the Burlington Fee 9-16-1H well (File No. 32701) located in a spacing unit described as Sections 9 and 16, T.146N., R.102W., Hay Draw-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 26318: Application of White Butte Oil Operations, LLC for an order pursuant to NDAC § 43-02-03-88.1 authorizing the flaring of gas from the Panzer 1-20MLH well (File No. 21385) located in the NENW of Section 20, T.151N., R.94W., McKenzie County, ND, Antelope-Sanish Pool, pursuant to the provisions of NDCC § 38-08-06.4 and such other relief as is appropriate.

Case No. 26319: Application of White Butte Oil Operations, LLC for an order pursuant to NDAC § 43-02-03-88.1 authorizing the flaring of gas from the Panzer 2-20MLH well (File No. 21386) located in the NWNW of Section 20, T.151N., R.94W., McKenzie County, ND, Antelope-Sanish Pool, pursuant to the provisions of NDCC § 38-08-06.4 and such other relief as is appropriate.

Case No. 26320: Application of White Butte Oil Operations, LLC for an order pursuant to NDAC § 43-02-03-88.1 authorizing the flaring of gas from the Panzer 4-20MLH well (File No. 21387) located in the NENW of Section 20, T.151N., R.94W., McKenzie County, ND, Antelope-Sanish Pool, pursuant to the provisions of NDCC § 38-08-06.4 and such other relief as is appropriate.

Case No. 26321: Application of Crescent Point Energy U.S. Corp. pursuant to NDAC § 43-02-03-88.1 for an order authorizing the drilling of a saltwater disposal well to be located in the NENE of Section 25, T.157N., R.100W., Marmon Field, Williams County, ND, in the Dakota Group pursuant to NDAC Chapter 43-02-05, and such other relief as is appropriate.

Case No. 26225: (Continued) Application of Crescent Point Energy U.S. Corp. for an order pursuant to NDAC § 43-02-03-88.1 authorizing the flaring of gas from the CPEC Lancaster 2-11-162N-102W well (File No. 20735) located in the NWNE of Section 2, T.162N., R.102W., Divide County, ND, Alkabo-Bakken Pool, pursuant to the provisions of NDCC § 38-08-06.4 and such other relief as is appropriate.

Case No. 26226: (Continued) Application of Crescent Point Energy U.S. Corp. for an order pursuant to NDAC § 43-02-03-88.1 authorizing the flaring of gas from the CPEUSC Justin Troy 33-28-160N-97W well (File No. 22784) located in the SESW of Section 33, T.160N., R.97W., Divide County, ND, Wildrose-Bakken Pool, pursuant to the provisions of NDCC § 38-08-06.4 and such other relief as is appropriate.

Case No. 26322: Application of White Owl Energy Services (US) Inc. for an order pursuant to NDAC § 43-02-03-88.1 authorizing saltwater disposal into the Dakota Group in the WO Blue Buttes SWD #1 well, NENW Section 35, T.151N., R.95W., Blue Buttes Field, McKenzie County, ND, pursuant to NDAC Chapter 43-02-05 and such other relief as is appropriate.

Case No. 26323: Application of NP Resources, LLC for an order pursuant to NDAC § 43-02-03-88.1 authorizing saltwater disposal into the Dakota Group in the Maggie Creek 1 SWD well, NESW Section 25, T.145N., R.102W., Cinnamon Creek Field, McKenzie County, ND, pursuant to NDAC Chapter 43-02-05 and such other relief as is appropriate.

Case No. 26324: Application of Hydra Services, LLC for an order pursuant to NDAC § 43-02-03-

88.1 authorizing saltwater disposal into the Dakota Group in the Davy Jr. 21-2 SWD well, SWSE Section 21, T.157N., R.99W., Lone Tree Lake Field, Williams County, ND, pursuant to NDAC Chapter 43-02-05 and such other relief as is appropriate.

Signed by, Doug Burgum, Governor  
Chairman, NDIC

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