OF THE STATE OF NORTH DAKOTA

CASE NO. 14558 ORDER NO. 16836

IN THE MATTER OF A HEARING CALLED ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF SAMSON RESOURCES CO. FOR AN ORDER CREATING 720-ACRE **DRILLING FOUR UNITS** COMPRISED OF SECTIONS 25 AND 36; SECTIONS 26 AND 35, T.164N., R.99W.; SECTIONS 29 AND 32; AND SECTIONS 30 AND 31, T.164N., R.98W., DIVIDE COUNTY, ND, **AUTHORIZING** THE **DRILLING** OF **HORIZONTAL** WELL WITHIN **EACH** DRILLING UNIT. AND SUCH OTHER RELIEF AS IS APPROPRIATE.

ORDER OF THE COMMISSION

THE COMMISSION FINDS:

- (1) This cause came on for hearing at 9:00 a.m. on the 28th day of April, 2011.
- (2) The witnesses for Samson Resources Company (Samson) 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 May 3, 2011; therefore, such testimony may be considered evidence.
- (3) Samson made application to the Commission for an order creating four 720-acre drilling units comprised of Sections 25 and 36; Sections 26 and 35, Township 164 North, Range 99 West (Sections 25, 36, 26, and 35); Sections 29 and 32; and Sections 30 and 31, Township 164 North, Range 98 West (Sections 29, 32, 30, and 31), Divide County, North Dakota, authorizing the drilling of a horizontal well within each drilling unit, and such other relief as is appropriate.
- (4) Sections 35, 36, and 31 are adjacent to the Ambrose Field and within the buffer zone of Zone I in the Ambrose-Bakken Pool. Sections 25, 26, and 30 are one section removed from the Ambrose Field and adjacent to the buffer zone of Zone I in the Ambrose-Bakken Pool.
 - (5) The E/2 of Sections 29 and 32 are within the Candak Field.
- (6) Samson presented evidence the Ambrose-Bakken Pool underlies Sections 25, 26, 35, 36, 30, and 31; therefore, the boundary of the Ambrose Field should be extended to include such lands.
- (7) Order No. 16354 entered in Case No. 14079, the most recent spacing order for the Ambrose-Bakken Pool, established proper spacing for the development of Zone I at one horizontal

well per 640 acres, Zone II at up to three horizontal wells per 640 acres, Zones III and IV at one horizontal well per 1280 acres, and Zone V at up to three horizontal wells per 1280 acres.

- (8) Case No. 14557, also on today's docket is a motion to consider temporary spacing to develop an oil and/or gas pool discovered by the Samson #4-9-163-98H Nova well (File No. 19530), located in the NW/4 NE/4 of Section 4, Township 163 North, Range 98 West, Divide County, North Dakota, define the field limits, and enact such special field rules as may be necessary. Order No. 16835 entered in Case No. 14557 will establish the Candak-Bakken Pool and will include Sections 29 and 32.
- (9) Order No. 15384 entered in Case No. 13116 established Sections 25, 26, 35, and 36; and Sections 29, 30, 31, and 32 as 1440-acre drilling units for the exclusive purpose of drilling one horizontal well within each said drilling unit within the Bakken Pool. These drilling units were incorrectly identified as containing approximately 1440 acres when they actually contain approximately 1600 acres.
- (10) Sections 25, 26, 29, and 30 are short sections adjacent to the North Dakota-Canada border containing approximately 155.58 acres, 155.62 acres, 156.26 acres, and 149.34 acres, respectively.
- (11) There are no wells currently permitted to or producing from the Bakken Pool in Sections 25, 26, 35, 36, 29, 30, 31, or 32.
- (12) Samson plans to develop the upper Three Forks Formation in the Bakken Pool underlying each proposed 800-acre spacing unit described as Sections 25 and 36; Sections 26 and 35; Sections 29 and 32; and Sections 30 and 31 by drilling a single-lateral horizontal well approximately down the long axis. Utilization of horizontal drilling technology as proposed would result in the wells being completed at a location or locations not in compliance with current applicable spacing orders for the Ambrose-Bakken Pool. The horizontal well design proposed may be preliminary and could be changed for various reasons which is permissible as long as the horizontal well design still justifies the proposed spacing unit.
 - (13) There were no objections to this application.
- (14) If Samson's activities are successful, greater ultimate recovery of oil and gas from the pool will be achieved which will prevent waste and the drilling of unnecessary wells in a manner which will not have a detrimental effect on correlative rights.

IT IS THEREFORE ORDERED:

- (1) Order No. 15384 is hereby rescinded.
- (2) Sections 25 and 36; Sections 26 and 35, Township 164 North, Range 99 West; and Sections 30 and 31, Township 164 North, Range 98 West, Divide County, North Dakota, are hereby established as standup 800-acre spacing units for the exclusive purpose of drilling one horizontal well within each said spacing unit within the Ambrose-Bakken Pool and Zone III is hereby redefined to include said spacing units. Existing and future vertical and directional wells drilled within the spacing units herein established shall not be subject to this order. Zone III is redefined as Zone IV, Zone IV is redefined as Zone V, and Zone V is redefined as Zone VI.

- (3) Sections 29 and 32, Township 164 North, Range 98 West, Divide County, North Dakota, are hereby established as a standup 800-acre spacing unit for the exclusive purpose of drilling one horizontal well within said spacing unit within the Candak-Bakken Pool and Zone I is hereby created to include said spacing unit. Existing and future vertical and directional wells drilled within the spacing unit herein established shall not be subject to this order.
- (4) The Director is hereby authorized to exercise continuing jurisdiction in this matter to determine whether a horizontal well proposed or drilled upon the 800-acre spacing units herein established has justified the creation of such unit, to require amendments or modifications to the permit to drill for such horizontal well, and to deny a permit to drill in the event a well is proposed to be drilled in a manner inconsistent with the evidence that justified such spacing unit.
- (5) Provisions established herein for the Ambrose-Bakken Pool are for the exclusive purpose of drilling horizontal wells. Existing and future vertical and directional wells drilled within the area defined in paragraph (6) below shall not be subject to this order.
- (6) The Ambrose Field is hereby redefined as the following described tracts of land in Divide County, North Dakota:

TOWNSHIP 164 NORTH, RANGE 99 WEST, 5TH PM ALL OF SECTIONS 25, 26, 35 AND 36,

TOWNSHIP 164 NORTH, RANGE 98 WEST, 5TH PM ALL OF SECTIONS 30 AND 31,

TOWNSHIP 163 NORTH, RANGE 99 WEST, 5TH PM
ALL OF SECTIONS 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 AND 36,

TOWNSHIP 163 NORTH, RANGE 98 WEST, 5TH PM ALL OF SECTIONS 6, 7, 18, 19, 30 AND 31,

TOWNSHIP 162 NORTH, RANGE 99 WEST, 5TH PM ALL OF SECTIONS 1 THROUGH 36, INCLUSIVE,

TOWNSHIP 162 NORTH, RANGE 98 WEST, 5TH PM ALL OF SECTIONS 6, 7, 18, 19, 30 AND 31,

together with those additional sections or governmental lots corresponding thereto as may be proven productive by wells drilled on lands within one mile of the boundaries of the field as set forth above, provided further that such extensions of the field boundaries shall include only sufficient acreage to form a spacing unit for such wells, and any intervening lands.

(7) The Ambrose-Bakken Pool is hereby redefined as the following described tracts of land in Divide County, North Dakota:

ZONE I (640H)

TOWNSHIP 163 NORTH, RANGE 99 WEST, 5TH PM ALL OF SECTIONS 15, 22, 26, 27, 34 AND 35,

TOWNSHIP 163 NORTH, RANGE 98 WEST, 5TH PM ALL OF SECTIONS 30 AND 31,

TOWNSHIP 162 NORTH, RANGE 99 WEST, 5TH PM ALL OF SECTIONS 2, 3, 10, 11, 13, 14, 15, 22, 23, 24, 25 AND 36,

together with those additional sections or governmental lots corresponding thereto as may be proven productive by wells drilled on lands within one mile of the boundaries of the field as set forth above, provided further that such extensions of the field boundaries shall include only sufficient acreage to form a spacing unit for such wells, and any intervening lands.

ZONE II (3/640H)

TOWNSHIP 162 NORTH, RANGE 99 WEST, 5TH PM ALL OF SECTIONS 4, 5, 8 AND 9.

ZONE III (800H-STANDUP)

TOWNSHIP 164 NORTH, RANGE 99 WEST, 5TH PM ALL OF SECTIONS 25, 26, 35 AND 36,

TOWNSHIP 164 NORTH, RANGE 98 WEST, 5TH PM ALL OF SECTIONS 30 AND 31.

ZONE IV (1280H-STANDUP)

<u>TOWNSHIP 163 NORTH, RANGE 99 WEST, 5TH PM</u>
ALL OF SECTIONS 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 16, 17, 20, 21, 23, 24, 25, 28, 29, 30, 31, 32, 33 AND 36,

TOWNSHIP 163 NORTH, RANGE 98 WEST, 5TH PM ALL OF SECTIONS 6, 7, 18 AND 19,

TOWNSHIP 162 NORTH, RANGE 99 WEST, 5TH PM ALL OF SECTIONS 1 AND 12,

TOWNSHIP 162 NORTH, RANGE 98 WEST, 5TH PM ALL OF SECTIONS 6, 7, 18 AND 19.

ZONE V (1280H-LAYDOWN-OVERLAPPING 640S)

TOWNSHIP 162 NORTH, RANGE 99 WEST, 5TH PM ALL OF SECTIONS 4 AND 5.

ZONE VI (3/1280H-STANDUP)

<u>TOWNSHIP 162 NORTH, RANGE 99 WEST, 5TH PM</u> ALL OF SECTIONS 6, 7, 16, 17, 18, 19, 20, 21, 26, 27, 28, 29, 30, 31, 32, 33, 34 AND 35,

TOWNSHIP 162 NORTH, RANGE 98 WEST, 5TH PM ALL OF SECTIONS 30 AND 31.

- (8) The Ambrose-Bakken Pool is hereby defined as that accumulation of oil and gas found in the interval from 50 feet above the top of the Bakken Formation to 50 feet below the top of the Three Forks Formation within the limits of the field as set forth above.
- (9) The proper spacing for the development of Zone I in the Ambrose-Bakken Pool is hereby set at one horizontal well per 640-acre spacing unit.
- (10) All portions of the well bore not isolated by cement of any horizontal well in Zone I in the Ambrose-Bakken Pool shall be no closer than 500 feet to the boundary of the spacing unit the lateral is most nearly parallel to and 200 feet to the boundary of the spacing unit the lateral is most nearly perpendicular to. Measurement inaccuracies in the directional survey equipment need not be considered except when deemed necessary by the Director.
- (11) Spacing units hereafter created in Zone I in the Ambrose-Bakken Pool shall consist of a governmental section.
- (12) The proper spacing for the development of Zone II in the Ambrose-Bakken Pool is hereby set at up to three horizontal wells per 640-acre spacing unit.
- (13) All portions of the well bore not isolated by cement of any horizontal well in Zone II in the Ambrose-Bakken Pool shall be no closer than 500 feet to the boundary of the spacing unit the lateral is most nearly parallel to and 200 feet to the boundary of the spacing unit the lateral is most nearly perpendicular to. Measurement inaccuracies in the directional survey equipment when calculating the bottom hole location in a horizontal well need not be considered.
- (14) Spacing units hereafter created in Zone II in the Ambrose-Bakken Pool shall consist of a governmental section.
- (15) Sections 4 and 5, Township 162 North, Range 99 West, Divide County, North Dakota, are also designated a laydown 1280-acre spacing unit in Zone V in the Ambrose-Bakken Pool.
- (16) Zone II in the Ambrose-Bakken Pool shall not be extended except by further order of the Commission after due notice and hearing.
- (17) The proper spacing for the development of Zone III in the Ambrose-Bakken Pool is hereby set at one horizontal well per standup 800-acre spacing unit.
- (18) All portions of the well bore not isolated by cement of any horizontal well in Zone III in the Ambrose-Bakken Pool shall be no closer than 500 feet to the east or west boundary and 200 feet to the north or south boundary of the spacing unit. Measurement inaccuracies in the

directional survey equipment need not be considered except when deemed necessary by the Director.

- (19) Sections 25 and 36; Sections 26 and 35, Township 164 North, Range 99 West; and Sections 30 and 31, Township 164 North, Range 98 West, Divide County, North Dakota, are hereby designated standup 800-acre spacing units in Zone III in the Ambrose-Bakken Pool.
- (20) Spacing units hereafter created in Zone III in the Ambrose-Bakken Pool shall be standup spacing units designated by the Commission.
- (21) Zone III in the Ambrose-Bakken Pool shall not be extended except by further order of the Commission after due notice and hearing.
- (22) The proper spacing for the development of Zone IV in the Ambrose-Bakken Pool is hereby set at one horizontal well per standup 1280-acre spacing unit.
- (23) All portions of the well bore not isolated by cement of any horizontal well in Zone IV in the Ambrose-Bakken Pool shall be no closer than 500 feet to the east or west boundary and 200 feet to the north or south boundary of the spacing unit. Measurement inaccuracies in the directional survey equipment need not be considered except when deemed necessary by the Director.
- (24) Sections 1 and 12; Sections 2 and 11; Sections 3 and 10; Sections 4 and 9; Sections 5 and 8; Sections 13 and 24; Sections 14 and 23; Sections 16 and 21; Sections 17 and 20; Sections 25 and 36; Sections 28 and 33; Sections 29 and 32; Sections 30 and 31, Township 163 North, Range 99 West; Sections 6 and 7; Sections 18 and 19, Township 163 North, Range 98 West; Sections 1 and 12, Township 162 North, Range 99 West; Sections 6 and 7; and Sections 18 and 19, Township 162 North, Range 98 West, Divide County, North Dakota, are hereby designated standup 1280-acre spacing units in Zone IV in the Ambrose-Bakken Pool.
- (25) Spacing units hereafter created in Zone IV in the Ambrose-Bakken Pool shall be standup spacing units consisting of two adjacent governmental sections.
- (26) Zone IV in the Ambrose-Bakken Pool shall not be extended except by further order of the Commission after due notice and hearing.
- (27) The proper spacing for the development of Zone V in the Ambrose-Bakken Pool is hereby set at one horizontal well per laydown 1280-acre spacing unit.
- (28) All portions of the well bore not isolated by cement of any horizontal well in Zone V in the Ambrose-Bakken Pool shall be no closer than 500 feet to the east or west boundary and 200 feet to the north or south boundary of the spacing unit. Measurement inaccuracies in the directional survey equipment need not be considered except when deemed necessary by the Director.
- (29) Sections 4 and 5, Township 162 North, Range 99 West, Divide County, North Dakota, are hereby designated a laydown 1280-acre spacing unit in Zone V in the Ambrose-Bakken Pool.

- (30) Spacing units hereafter created in Zone V in the Ambrose-Bakken Pool shall be laydown spacing units consisting of two adjacent governmental sections which overlap 640-acre spacing units.
- (31) Section 4; and Section 5, Township 162 North, Range 99 West, Divide County, North Dakota, are also designated 640-acre spacing units in Zone II in the Ambrose-Bakken Pool.
- (32) Zone V in the Ambrose-Bakken Pool shall not be extended except by further order of the Commission after due notice and hearing.
- (33) The proper spacing for the development of Zone VI in the Ambrose-Bakken Pool is hereby set at up to three horizontal wells per standup 1280-acre spacing unit.
- (34) All portions of the well bore not isolated by cement of any horizontal well in Zone VI in the Ambrose-Bakken Pool shall be no closer than 500 feet to the east or west boundary and 200 feet to the north or south boundary of the spacing unit. Measurement inaccuracies in the directional survey equipment when calculating the bottom hole location in a horizontal well need not be considered.
- (35) Sections 6 and 7; Sections 16 and 21; Sections 17 and 20; Sections 18 and 19; Sections 26 and 35; Sections 27 and 34; Sections 28 and 33; Sections 29 and 32; Sections 30 and 31, Township 162 North, Range 99 West; and Sections 30 and 31, Township 162 North, Range 98 West, Divide County, North Dakota, are hereby designated standup 1280-acre spacing units in Zone VI in the Ambrose-Bakken Pool.
- (36) Spacing units hereafter created in Zone VI in the Ambrose-Bakken Pool shall be standup spacing units consisting of two adjacent governmental sections.
- (37) Zone VI in the Ambrose-Bakken Pool shall not be extended except by further order of the Commission after due notice and hearing.
- (38) The operator of any horizontally drilled well in the Ambrose-Bakken Pool shall cause to be made a directional survey of the well bore. The directional survey contractor shall file a certified survey with the Commission within 30 days after completion of the well in accordance with NDAC Section 43-02-03-25. The survey shall be of sufficient quality to enable the Commission to determine the entire completion location of the well and its terminus.
- (39) 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 Ambrose-Bakken Pool.
- (40) 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 Ambrose-Bakken Pool; (2) determine whether the separate zones of spacing established herein are warranted; and (3) make such further amendments or modifications to the spacing requirements for the Ambrose-Bakken Pool as the Commission deems appropriate.

- (41) No well shall be drilled or produced in the Ambrose-Bakken Pool, as defined herein, except in conformity with the regulations above without special order of the Commission after due notice and hearing.
- (42) The following rules concerning the casing, tubing and equipping of wells shall apply to the subsequent drilling and operation of wells in the Ambrose-Bakken Pool:
 - (a) The surface casing shall consist of new or reconditioned pipe that has been previously tested to 1000 pounds per square inch. The casing shall be set and cemented at a point not less than 50 feet below the base of the Fox Hills Formation. Sufficient cement shall be used to fill the annular space outside the pipe to the surface of the ground, or the bottom of the cellar, and sufficient scratchers and centralizers shall be used to assure a good cement job. Cement shall be allowed to stand a minimum of 12 hours before drilling the plug or initiating tests. The quality of cement shall conform to the standards provided under NDAC Section 43-02-03-21;
 - (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.
- (43) 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 Ambrose-Bakken Pool if deemed necessary by the Director. Drill stem test pressures are acceptable for determining reservoir pressure. Pressure measurements shall be made at or adjusted to a subsea datum of 5740 feet. All gas-oil ratio and reservoir pressure determinations shall be made by methods approved by the Director and reported to the Director within 15 days following the end of the month in which they are determined. The Director is

authorized to waive these requirements if the necessity therefore can be demonstrated to his satisfaction. All additional gas-oil ratio and reservoir pressure determinations conducted on any well, but not specially required herein, shall be reported to the Director within 15 days following the end of the month in which they are determined.

- (44) 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.
- (45) All wells in the Ambrose-Bakken Pool shall be allowed to produce at a maximum efficient rate for a period of 60 days commencing on the first day oil is produced through well-head equipment into tanks from the ultimate producing interval after casing has been run; after that, oil production from such wells shall not exceed an average of 200 barrels per day for a period of 60 days; after that, oil production from such wells shall not exceed an average of 150 barrels per day for a period of 60 days, thereafter, oil production from such wells shall not exceed an average of 100 barrels of oil per day; if and when such wells are connected to a gas gathering and processing facility the foregoing restrictions shall be removed, and the wells shall be allowed to produce at a maximum efficient rate. The Director is authorized to issue an administrative order allowing unrestricted production at a maximum efficient rate for a period not to exceed 120 days, commencing on the first day oil is produced through well-head equipment into tanks from the ultimate producing interval after casing has been run, if the necessity therefor can be demonstrated to his satisfaction.
- (46) If the flaring of gas produced with crude oil from the Ambrose-Bakken Pool causes, or threatens to cause, degradation of ambient air quality, production from the pool shall be further restricted.
- (47) This portion of this order shall cover all of the Ambrose-Bakken 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.
- (48) Provisions established herein for the Candak-Bakken Pool are for the exclusive purpose of drilling horizontal wells. Existing and future vertical and directional wells drilled within the area defined in paragraph (49) below shall not be subject to this order.
- (49) The Candak Field is hereby redefined as the following described tracts of land in Divide County, North Dakota:

<u>TOWNSHIP 164 NORTH, RANGE 98 WEST, 5TH PM</u> ALL OF SECTIONS 25, 26, 27, 28, 29, 32, 33, 34, 35 AND 36,

TOWNSHIP 163 NORTH, RANGE 98 WEST, 5TH PM ALL OF SECTIONS 1, 2, 3, 4, 5, 8, 9, 10, 11 AND 12.

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

ZONE I (800H-STANDUP)

TOWNSHIP 164 NORTH, RANGE 98 WEST, 5TH PM ALL OF SECTIONS 29 AND 32.

ZONE II (1280H-STANDUP)

<u>TOWNSHIP 163 NORTH, RANGE 98 WEST, 5TH PM</u> ALL OF SECTIONS 1, 2, 3, 4, 5, 8, 9, 10, 11 AND 12.

ZONE III (1600H-LAYDOWN)

<u>TOWNSHIP 164 NORTH, RANGE 98 WEST, 5TH PM</u> ALL OF SECTIONS 25, 26, 27, 28, 33, 34, 35 AND 36.

- (51) The Candak-Bakken Pool is hereby defined as that accumulation of oil and gas found in the interval from 50 feet above the top of the Bakken Formation to 50 feet below the top of the Three Forks Formation within the limits of the field as set forth above.
- (52) The temporary spacing for the development of Zone I in the Candak-Bakken Pool is hereby set at one horizontal well per standup 800-acre spacing unit.
- (53) All portions of the well bore not isolated by cement of any horizontal well in Zone I in the Candak-Bakken Pool shall be no closer than 500 feet to the east or west boundary and 200 feet to the north or south boundary of the spacing unit. Measurement inaccuracies in the directional survey equipment need not be considered except when deemed necessary by the Director.
- (54) Sections 29 and 32, Township 164 North, Range 98 West, Divide County, North Dakota, are hereby designated a standup 800-acre spacing unit in Zone I in the Candak-Bakken Pool.
- (55) Spacing units hereafter created in Zone I in the Candak-Bakken Pool shall be standup spacing units designated by the Commission.
- (56) Zone I in the Candak-Bakken Pool shall not be extended except by further order of the Commission after due notice and hearing.
- (57) The temporary spacing for the development of Zone II in the Candak-Bakken Pool is hereby set at one horizontal well per standup 1280-acre spacing unit.
- (58) All portions of the well bore not isolated by cement of any horizontal well in Zone II in the Candak-Bakken Pool shall be no closer than 500 feet to the east or west boundary and 200 feet to the north or south boundary of the spacing unit. Measurement inaccuracies in the directional survey equipment need not be considered except when deemed necessary by the Director.
- (59) Sections 1 and 12; Sections 2 and 11; Sections 3 and 10; Sections 4 and 9; and Sections 5 and 8, Township 163 North, Range 98 West, Divide County, North Dakota, are hereby designated standup 1280-acre spacing units in Zone II in the Candak-Bakken Pool.

- (60) Spacing units hereafter created in Zone II in the Candak-Bakken Pool shall be standup spacing units consisting of two adjacent governmental sections.
- (61) Zone II in the Candak-Bakken Pool shall not be extended except by further order of the Commission after due notice and hearing.
- (62) The temporary spacing for the development of Zone III in the Candak-Bakken Pool is hereby set at one horizontal well per laydown 1600-acre spacing unit.
- (63) All portions of the well bore not isolated by cement of any horizontal well in Zone III in the Candak-Bakken Pool shall be no closer than 500 feet to the north or south boundary and 200 feet to the east or west boundary of the spacing unit. Measurement inaccuracies in the directional survey equipment need not be considered except when deemed necessary by the Director.
- (64) Sections 25, 26, 35, and 36; and Sections 27, 28, 33, and 34, Township 164 North, Range 98 West, Divide County, North Dakota, are hereby designated laydown 1600-acre spacing units in Zone III in the Candak-Bakken Pool.
- (65) Spacing units hereafter created in Zone III in the Candak-Bakken Pool shall be laydown spacing units designated by the Commission.
- (66) Zone III in the Candak-Bakken Pool shall not be extended except by further order of the Commission after due notice and hearing.
- (67) The operator of any horizontally drilled well in the Candak-Bakken Pool shall cause to be made a directional survey of the well bore. The directional survey contractor shall file a certified survey with the Commission within 30 days after completion of the well in accordance with NDAC Section 43-02-03-25. The survey shall be of sufficient quality to enable the Commission to determine the entire completion location of the well and its terminus.
- (68) 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 Candak-Bakken Pool.
- (69) 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 Candak-Bakken Pool; (2) determine whether the separate zones of spacing established herein are warranted; and (3) make such further amendments or modifications to the spacing requirements for the Candak-Bakken Pool as the Commission deems appropriate.
- (70) No well shall be drilled or produced in the Candak-Bakken Pool, as defined herein, except in conformity with the regulations above without special order of the Commission after due notice and hearing.
- (71) The following rules concerning the casing, tubing and equipping of wells shall apply to the subsequent drilling and operation of wells in the Candak-Bakken Pool:

- (a) The surface casing shall consist of new or reconditioned pipe that has been previously tested to 1000 pounds per square inch. The casing shall be set and cemented at a point not less than 50 feet below the base of the Fox Hills Formation. Sufficient cement shall be used to fill the annular space outside the pipe to the surface of the ground, or the bottom of the cellar, and sufficient scratchers and centralizers shall be used to assure a good cement job. Cement shall be allowed to stand a minimum of 12 hours before drilling the plug or initiating tests. The quality of cement shall conform to the standards provided under NDAC Section 43-02-03-21;
- (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.
- (72) 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 Candak-Bakken Pool if deemed necessary by the Director. Drill stem test pressures are acceptable for determining reservoir pressure. Pressure measurements shall be made at or adjusted to a subsea datum of 5500 feet. All gas-oil ratio and reservoir pressure determinations shall be made by methods approved by the Director and reported to the Director within 15 days following the end of the month in which they are determined. The Director is authorized to waive these requirements if the necessity therefore can be demonstrated to his satisfaction. All additional gas-oil ratio and reservoir pressure determinations conducted on any well, but not specially required herein, shall be reported to the Director within 15 days following the end of the month in which they are determined.
- (73) 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.

- (74) For the purposes of division of production to owners of interests in spacing units established by this order, and proven productive prior to the date hereof, this order shall be retroactive to the date of first production.
- (75) All wells in the Candak-Bakken Pool shall be allowed to produce at a maximum efficient rate through October 31, 2011.
- (76) After October 31, 2011, all wells in the Candak-Bakken Pool shall be allowed to produce at a maximum efficient rate for a period of 60 days commencing on the first day oil is produced through well-head equipment into tanks from the ultimate producing interval after casing has been run; after that, oil production from such wells shall not exceed an average of 200 barrels per day for a period of 60 days; after that, oil production from such wells shall not exceed an average of 150 barrels per day for a period of 60 days, thereafter, oil production from such wells shall not exceed an average of 100 barrels of oil per day; if and when such wells are connected to a gas gathering and processing facility the foregoing restrictions shall be removed, and the wells shall be allowed to produce at a maximum efficient rate. The Director is authorized to issue an administrative order allowing unrestricted production at a maximum efficient rate for a period not to exceed 120 days, commencing on the first day oil is produced through well-head equipment into tanks from the ultimate producing interval after casing has been run, if the necessity therefor can be demonstrated to his satisfaction.
- (77) If the flaring of gas produced with crude oil from the Candak-Bakken Pool causes, or threatens to cause, degradation of ambient air quality, production from the pool shall be further restricted.
- (78) This portion of this order shall cover all of the Candak-Bakken Pool, common source of supply of crude oil and/or natural gas as herein defined, and continues in full force and effect until the 31st day of January, 2013. If the Candak-Bakken Pool is still producing, the proper spacing for the pool will be considered by the Commission on or before its regularly scheduled hearing date in December, 2012. If, however, the Candak-Bakken Pool is no longer producing when the proper spacing is to be considered, the Commission, at its own discretion, may refrain from scheduling a proper spacing hearing and may, without further notice, enter an order dismissing the proper spacing matter.

Dated this 1st day of August, 2011.

INDUSTRIAL COMMISSION STATE OF NORTH DAKOTA

By the Director, on behalf of the Commission

/s/ Lynn D. Helms, Director

STATE OF NORTH DAKOTA

AFFIDAVIT OF MAILING

COUNTY OF BURLEIGH

I, Jeanette Bean, being duly sworn upon oath, depose and say: That on the 12th day of August, 2011 enclosed in separate envelopes true and correct copies of the attached Order No. 16836 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. 14558:

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

> Jeanette Bean Oil & Gas Division

On this 12th day of August, 2011 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.

TRUDY HOGUE

Notary Public

State of North Dakota

My Commission Expires March 4, 2014

Notary Public

State of North Dakota, County of Burleigh

Schmidt, Bethany R.

From: Entzi-Odden, Lyn <lodden@fredlaw.com>

Sent: Tuesday, May 31, 2011 10:26 AM

To: Bohrer, Mark F.

Cc: Hicks, Bruce E.; Schmidt, Bethany R.; Heilman, Tracy A.; Connie Wagers; Bender,

Lawrence

Subject: Letters requesting expedited orders-Cases 14557 and 14558

Attachments: Samson 14557_20110531102057.pdf; Samson 14558_20110531102124.pdf

Mark,

Please see the attached letters.

Lyn Entzi-Odden

Legal Assistant to Lawrence Bender and William P. Pearce

Fredrikson & Byron, P.A. / 200 North 3rd Street, Suite 150 / Bismarck, ND 58501 / Ph: (701) 221-4020 / Fx: (701) 221-4040 lodden@fredlaw.com

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1



May 31, 2011

VIA EMAIL

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

RE: Case No. 14558: Application of Samson Resources Co. for an order creating four 720-acre drilling units comprised of Sections 25 and 36; and Sections 26 and 35, T.164N., R.99W.; Sections 29 and 32; and Sections 30 and 31, T.164N., R.98W., Divide County, ND, authorizing the drilling of a horizontal well within each drilling unit and such other relief as is appropriate.

Dear Mr. Bohrer:

I am writing on behalf of Samson Resources Company to request an expedited order with regard to the captioned matter, heard April 28, 2011. Samson has a lease expiring and a well planned for late July and accordingly, is requesting an expedited order with regard to this matter.

Should you have any questions, please advise

LAWRENCE BENDER

LB/leo

cc: Mr. Bruce Hicks *Via Email*Ms. Connie Wagers *Via Email*4936013_1.DOC

Attorneys & Advisors main 701.221.4020 fax 701.221.4040 www.fredlaw.com / Fredrikson & Byron, P.A. 200 North Third Street, Suite 150 Bismarck, North Dakota 58501-3879



May 2, 2011



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

> RE: NDIC CASE NO. 14558 SAMSON RESOURCES COMPANY

Dear Mr. Hicks:

Please find enclosed herewith for filing TELEPHONIC COMMUNICATION AFFIDAVITS in regard to the above-captioned matter.

Should you have any questions, please advise.

LAWRENCE BENDER

LB/mpg

Enclosures

cc: Ms. Connie Wagers – (w enc.) Via Email

4920658 1.DOC

Attorneys & Advisors main 701.221.4020 fax 701.221.4040 www.fredlaw.com Fredrikson & Byron, P.A. 200 North Third Street, Suite 150 Bismarck, North Dakota 58501-3879

OF THE STATE OF NORTH DAKOTA

CASE No. 14558

Application of Samson Resources Co. for an order creating four 720-acre drilling units comprised of Sections 25 and 36; and Sections 26 and 35, T.164N., R.99W.; Sections 29 and 32; and Sections 30 and 31, T.164N., R.98W., Divide County, ND, authorizing the drilling of a horizontal well within each drilling unit and such other relief as is appropriate.



TELEPHONIC COMMUNICATION AFFIDAVIT

Brian Berwick being first duly sworn deposes and states as follows: That on April 28, 2011, I testified under oath before the North Dakota Industrial Commission in Case No. 14558. My testimony was presented by telephone from (720) 239-4377 at, and on behalf of, Samson Resources Company, 370 17th Street, Suite 3000, Denver, Colorado 80202.

BRIAN BERWICK

STATE OF COLORADO)		
) ss.		
COUNTY OF DENVER)		
On 4/28	, 2011, Brian Berwick of Sa	amson Resources Company, known to me	to
be the person described in a	nd who executed the foregoi	ing instrument, personally appeared befo	re
me and acknowledged that l	e executed the same as a from	ee act and deed.	
		Λ.	

JANET C WILLSON NOTARY PUBLIC STATE OF COLORADO My Commission Expires 06/11/2014

My Commission Expires:

4919167 1.DOC

OF THE STATE OF NORTH DAKOTA

CASE No. 14558

Application of Samson Resources Co. for an order creating four 720-acre drilling units comprised of Sections 25 and 36; and Sections 26 and 35, T.164N., R.99W.; Sections 29 and 32; and Sections 30 and 31, T.164N., R.98W., Divide County, ND, authorizing the drilling of a horizontal well within each drilling unit and such other relief as is appropriate.



TELEPHONIC COMMUNICATION AFFIDAVIT

Connie Wagers being first duly sworn deposes and states as follows: That on April 28, 2011, I testified under oath before the North Dakota Industrial Commission in Case No. 14558. My testimony was presented by telephone from (720) 239-4377 at, and on behalf of, Samson Resources Company, 370 17th Street, Suite 3000, Denver, Colorado 80202.

CONNIE WAGERS

STATE OF COLORADO)

) ss. COUNTY OF DENVER)

JANET C WILLSON
NOTARY PUBLIC
STATE OF COLORADO

My Commission Expires 06/11/2014

Notary Public

My Commission Expires:

4919169 1.DOC

OF THE STATE OF NORTH DAKOTA

CASE NO. 14558

Application of Samson Resources Co. for an order creating four 720-acre drilling units comprised of Sections 25 and 36; and Sections 26 and 35, T.164N., R.99W.; Sections 29 and 32; and Sections 30 and 31, T.164N., R.98W., Divide County, ND, authorizing the drilling of a horizontal well within each drilling unit and such other relief as is appropriate.



TELEPHONIC COMMUNICATION AFFIDAVIT

Dan Graeve being first duly sworn deposes and states as follows: That on April 28, 2011, I testified under oath before the North Dakota Industrial Commission in Case No. 14558. My testimony was presented by telephone from (720) 239-4377 at, and on behalf of, Samson Resources Company, 370 17th Street, Suite 3000, Denver, Colorado 80202.

DAN GRAEVE

STATE OF COLORADO)
) ss.
COUNTY OF DENVER)

On Aprila6th, 2011, Dan Graeve of Samson Resources Company, 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.

JANET C WILLSON NOTARY PUBLIC STATE OF COLORADO

My Commission Expires 06/11/2014

Notary Public

My Commission Expires:_

4919171_1.DOC



NORTH DAKOTA INDUSTRIAL COMMISSION

CASE No. 14557
TEMPORARY SPACING TO DEVELOP AN OIL
AND/OR GAS POOL DISCOVERED BY THE
SAMSON RESOURCES CO. #4-9-163-98H NOVA,
NWNE SECTION 4, T.163N., R.98W.,
DIVIDE COUNTY, ND

8

CASE No. 14558
APPLICATION FOR AN ORDER
CREATING FOUR 720-ACRE DRILLING UNITS
COMPRISED OF SECTIONS 25 AND 36; AND
SECTIONS 26 AND 35, T.164N., R.99W.;
SECTIONS 29 AND 32; AND SECTIONS
30 AND 31, T.164N., R.98W.,
DIVIDE COUNTY, ND

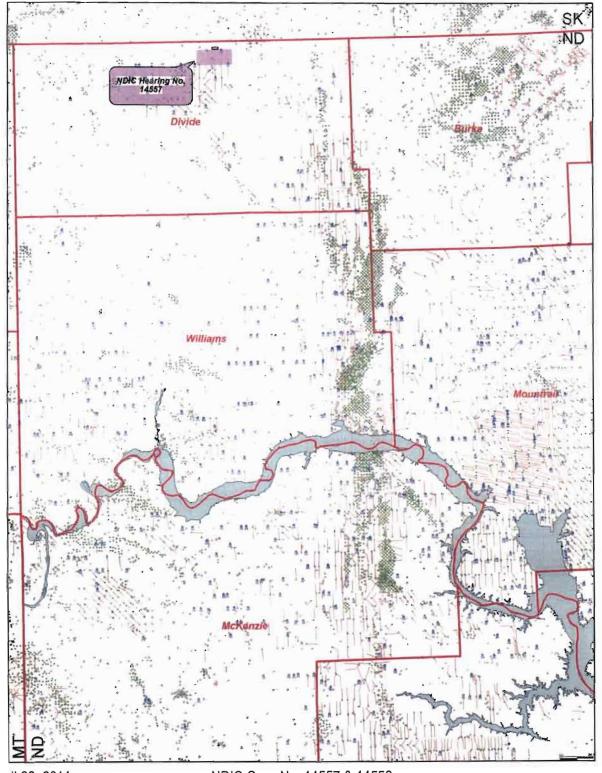
BEFORE THE
OIL & GAS DIVISION
of the
INDUSTRIAL COMMISSION
of the
STATE OF NORTH DAKOTA

APRIL 28, 2011

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA

DATE 4/20/11 CASE NO. 145512
Introduced By Samson 14550
Exhibit 1 A
Identified By Wagers

Exhibit 1A – Case No. 14557 Exhibit 1A Regional Location Map



INDUSTRIAL COMMISSION

STATE OF NORTH DAKOTA

DATE 4/20/11 CASE NO. 14 55781456

Introduced By Samson

Exhibit 13

Identified By Wagevo

Exhibit 1B – Case No. 14558 Regional Location Map

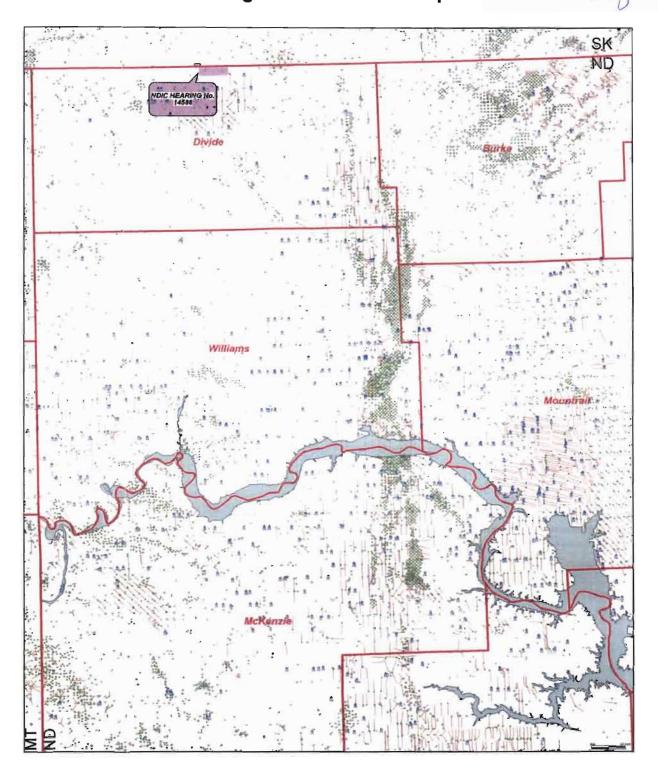


Exhibit No. 2A – Case No. 14557 Lease Ownership Map

INDUSTRIAL COMMISSION

STATE OF NORTH DAKOTA

DATE 4/28/1/ CASE NO. 145512

Introduced By Samson 14558

Exhibit 2A

Identified By Wagos

26	25	30	29	28	27	26	25
164N		31 RNO. 14558	Cant	Dak Field 33	164N/	98W 35	36
2	1	6	5	1-9-163-98H	3	Blazer 2-11-160-9811 2	<u>Yukon</u> 12-1-163-98Н
An	nbrose - Bakken Poo	7	8	Case Ma	10	11	12
14	13	18	Nancon 17-20-153-204 17	#mailerd 16-21-163-56h	15-162-984 15 g Prairie - Bakken Pr	Impala 23-14-163-988 14	<u>Denaii</u> 13-24-163-98H
23 163N	24 /99W	19	20	21	22 163N/9	23	24
26	Shum 2536-163-99H 25	30	Neas 29-32-162-16H 29	26-162-269 28-28	Barracada 27-34-163-889 27	76-36-763-98H 26-36-763-98H	26
35	36	31	32	Rolm 32-163-161 33	34	35	<u>Sandberg</u> <u>36-163-98H</u> 36
2		6	Unhiem 5-192-288	Soarka 4-162-58#	3	2	•
11	12	7	Sourks 8-162-98H 8	Mos 9-162-36H	Anderson 18-162-988	11	12

Exhibit No. 2B - Case No. 1455 Lease Ownership Map

INDUSTRIAL COMMISSION	
7 STATE OF NORTH DAKOTA	
DATE 4 28/11 CASE NO. 14557;	E
Introduced By Gamson 1495	X
Exhibit 2B	-
Identified By Wagers	

Sections 4 & 9 Twp 163 North - Rge 98 West Twp 163 North - Rge 98 West Twp 163 North - Rge 98 West Twp 163 North - Rge 98 West

Sections 4 & 9

Sections 3 & 10

Sections 2 & 11

Sections 1 & 12 1,280.96

1,280.96 Ac

1,280.96 Ac

1,281.12 Ac

1,281.76 Ac

Working Interest Ownership Samson/Baytex/NuLoch - 100% Samson/Baytex/NuLoch - 83.615% Samson/Baytex/NuLoch - 98.607% Samson/Baytex/NuLoch - 90.62% Samson/Baytex/NuLoch - 87.556% Section 5 Section 4 Section 3 Section 2 Section 1 Section 8 Section 9 Section 10 Section 11 Section 12

Exhibit 2C – Case No. 14558 Lease Ownership Map

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA

DATE 4/20/11 CASE NO. 14658 ?
Introduced By Somson 14557
Exhibit 2C
Identified By Wagers

Sections 26 & 35 T164N - R99W 795.60 Actual Acres	Sections 25 & 36 T164N - R99W 795.56 Actual Acres	Sections 30 & 31 T164N - R98W 764.38 Actual Acres	Sections 29 & 32 T164N - R98W 796.24 Actual Acres
Samson et al - 76.6657%	Samson et al - 95.61%	Samson et al - 94.4%	Samson et al - 91,614%
Section 26	Section 25	Section 30	Section 29
Section 35	Section 36	Section 31	Section 32

INDUSTRIAL COMMISSION

NORTH DAKOTA

CASEND HASTER

Identified By Freywick

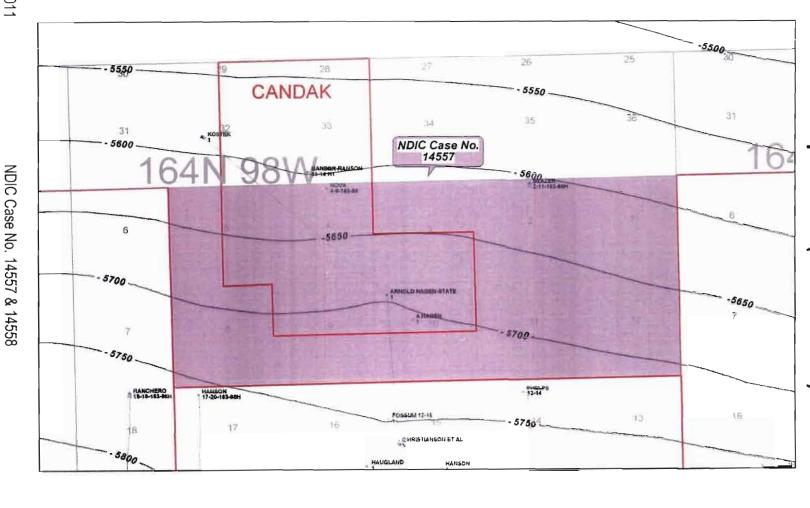


Exhibit No. 3B - Case No. 14558 Introduced By Top Bakken (50' Contours) Structure Map







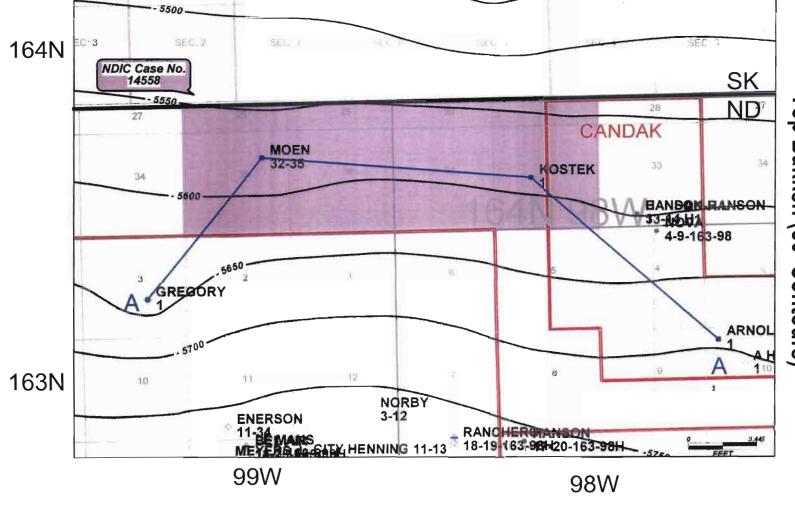
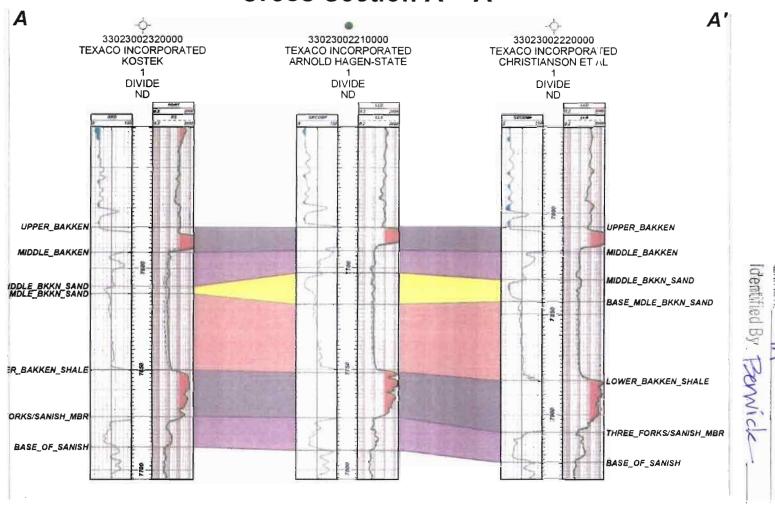


Exhibit No. 4A – Case No. 14557 Cross Section A – A'



SE NO. 145578 14668

Exhibit No. 4B – Case No. 14558 Cross Section A – A'

A TEXACO INCORPORATED TEXACO INCORPORATED GREGORY 32-35 T164N R99W S35 1 T164N R98W S32 DIVIDE 1 T163N R98W \$10 T163N R99W S3 UPPER BAKKEN UPPER BAKKEN MIDDLE_BAKKEN MIDDLE BAKKEN MIDDLE_BKKN_SAND MIDDLE_BKKN_SAND BASE_MDLE_BKKN_SAND BASE_MDLE_BKKN_SAND LOWER_BAKKEN_SHALE LOWER_BAKKEN_SHALE THREE_FORKS/SANISH_MBR THREE_FORKS/SANISH_MBR BASE_OF_SANISH BASE_OF_SANISH

April 28, 2011

NDIC Case No. 14557 & 14558

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA

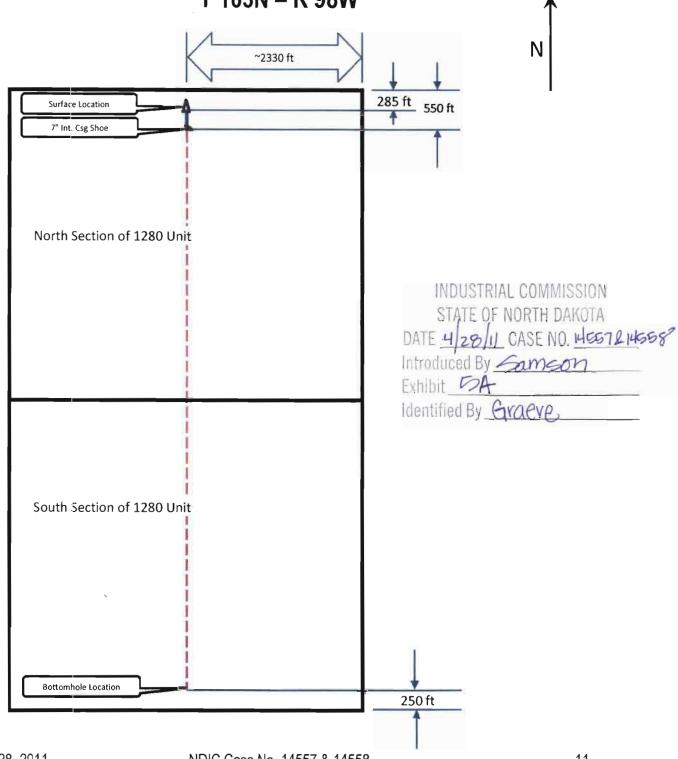
DATE 4/28/11 CASE NO. 146572 14658

Introduced By Samson

Exhibit 4B

Identified By Berwick

Exhibit No. 5A - Case No. 14557 1280 Acre Horizontal Well Schematic T 163N - R 98W



INDUSTRIAL COMMISS

STATE OF NORTH DAKO

DATE 4/28/11 CASE NO. 14667214568

Introduced By Samson

Exhibit 58

Exhibit No. 5B – Case 14558 Identified By Graeve 720-Acre Horizontal Well Schematic – Map View

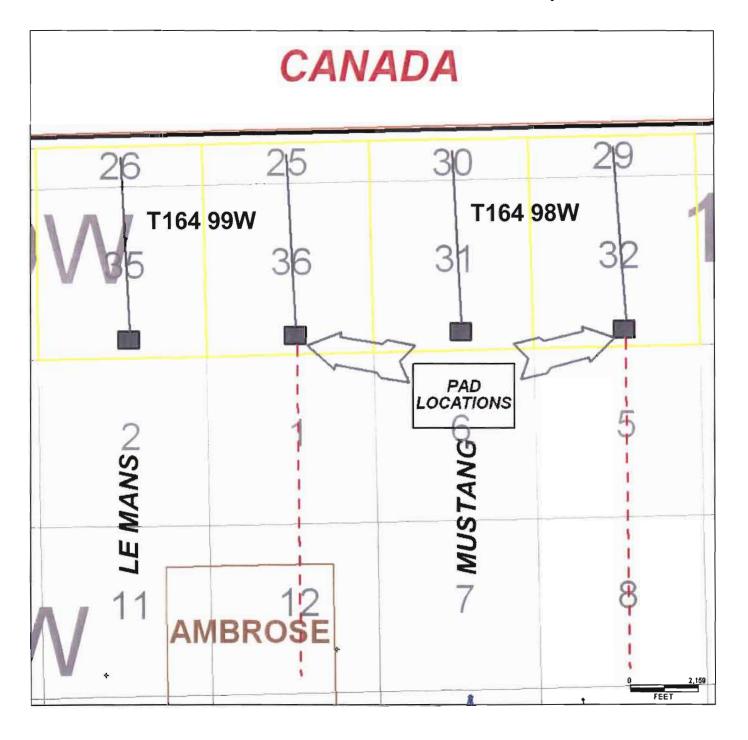
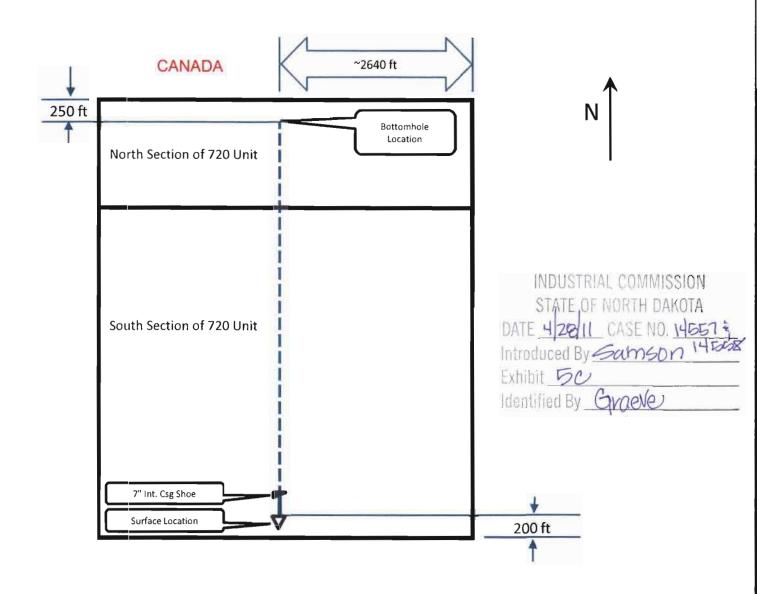
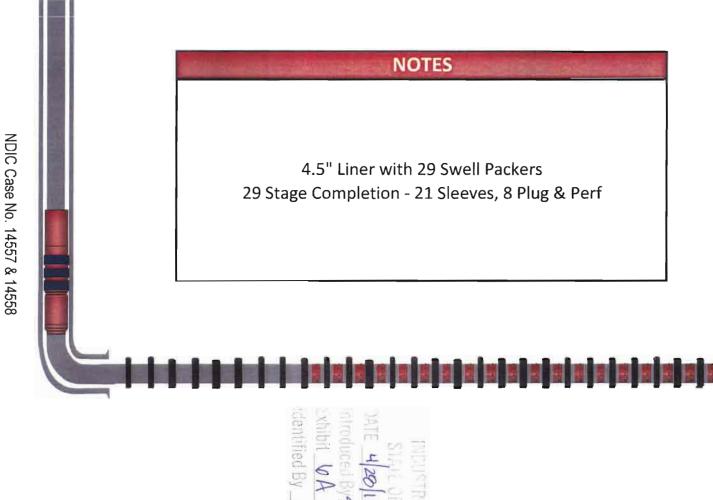


Exhibit No. 5C – Case No. 14558 720-Acre Horizontal Well Schematic

T164N R99W & T164N R98W



1280 Acre Horizontal Wellbore Diagram Exhibit No. 6A – Case No. 14557



Bracke

141528

COMMISSION RTH DAKOTA

720-Acre Horizontal Wellbore Diagram Exhibit No. 6B – Case No. 14558

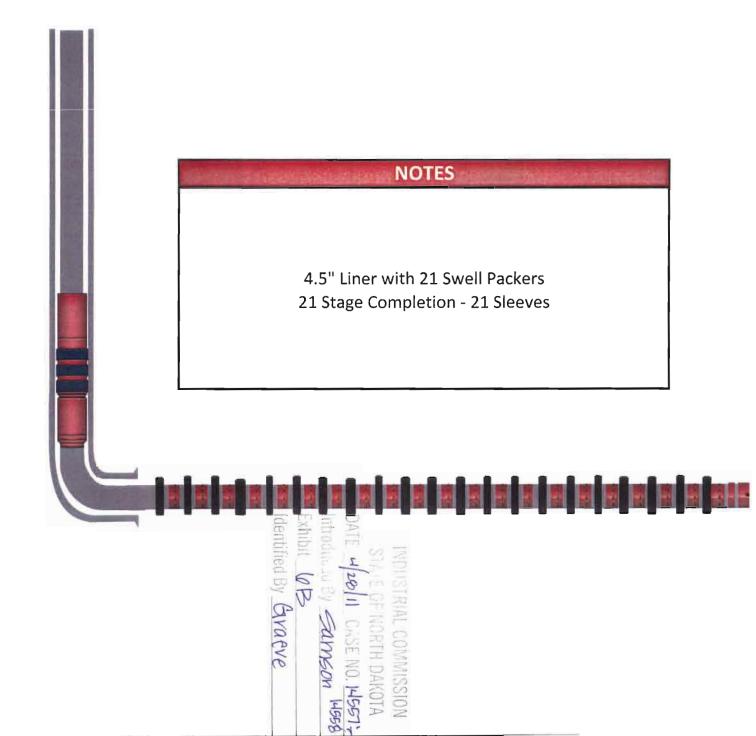


Exhibit No. 7A – Case No 14557 Reservoir Properties & Economics

Reservoir Properties

Formation Type	Fractured Silty Dolomite
Depth (TVD)	8123'
Vertical Thickness	12'
Porosity	5%
Water Saturation	30%
GOR:	1,050 scf/STB
OOIP (1280 acres)	2,670 MSTB
Primary Recovery Factor	~12%
Primary Estimated Recoverable Reserves	320,377 STB
	336.395 MSCF

Single Well Economics (1280 acres)

Exhibit No. 7B – Case No. 14558 Reservoir Properties & Economics

Reservoir Properties		
Formation Type		Silty Dolomite
Depth (TVD)		8060'
Vertical Thickness		12'
Porosity		6%
Water Saturation		30%
Oil Gravity		41.8° API
Bottom Hole Temperature		199° F
Bottom Hole Pressure		4,520 psia
Formation Volume Factor		1.54 STB/RB
GOR:		1,000 scf/STB
Gas Gravity		.939
Gas Heating Value (dry)		1,639 btu
OOIP (800 acres)		2,036 MSTB
Primary Recovery Factor		~12%
Primary Estimated Recoverable Reser	ves	244,357 STB
		244,357 MSCF
Single Well Economics (720 acr	re unit)	
Operating Cost		\$9000 per mth
Royalties & Over-Rides		20%
Average Oil Price		\$80/bbl
Average Gas Price		\$4/mcf
Net Sales		\$16,420,790
Oil Severance Tax (11.5%)	INDUSTRIAL COMMISSION	\$1,798,468
Gas Severance Tax (\$0.1476/MSCF)	INDUSTRIAL COMMISSION	\$28,854
Operating Expenses (30 years)	STATE OF NORTH DAKUTA	\$3,240,000
Net Income		HC558\$11,353,469
Investment	Introduced By Gamson	\$5,500,000
Return on Investment	Exhibit 7B	2.06
	Identified By Graeve	

Exhibit No. 8 Oil Analysis Report

ASTRO-CHEM LAB, INC.

4102 2nd Ave. West

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

Phone: (701) 572-7355

DIL ANALYSIS REPORT

SAMPLE NUMBER 0-11-1170

DATE OF ANALYSIS 3-29-11

COMPANY Samson Resources

CITY Crosby

STATE ND

WELL NAME Nova 4-9-163-98H

DATE RECEIVED

3-28-11

DST NUMBER

SAMPLE SOURCE Treater

FORMATION

DEPTH

LOCATION

SECTION

TOWNSHIP

RANGE

DISTRIBUTION Barry Nelson - Crosby, ND

Specific Gravity: 0.8309

at 60/60 °F

API Gravity

: 38.8 at 60 °F

Salt Content

: 5 lbs/1000 bbls

Pour Point

: (-40 °F

Viscosity

: 2.75 Kinematic cSt at 100 °F 35.1 Saybolt Universal Seconds at 100 °F

Total Sulfur

: 0.25 % by Weight

BS&W

: 0.1 % in Gross Sample 0.1 % in Sample as Analyzed

Paraffin

: 0.73 % by Weight

REMARKS Sampled 3-25-11 by B. Kyllo, ACL.

INDUSTRIAL COMMISSION

DATE 42011 CASE NO. 14051; HUSE

ANALYZED BY:

Introduced By Jamson

April 28, 2011

NDIC Case No. 14557 & 14558

18

Exhibit No. 9 Oil Distillation Report

\$190 a million 140 lb 1 million 150	AL COMMISSION
STATE OF	NORTH DAKOTA
DATE 4/28/	I CASE NO. 14557 : 14658
Introduced By_	Samson
Exhibit 9	^
Identified By _	Graere

ASTRO-CHEM LAB, INC. Williston, North Dakota 58802-0972

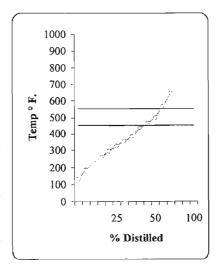
Williston, North Dakota 58802-09 P.O. Box 972 Рһоле: (701) 572-7355

4102 2nd Ave. West

DISTILLATION REPORT

Sample Number	O-11-1170	-		Date Analyzed	3/29/11
Samson Resources			Crosby		ND
			City		State
Treater	Nova 4-9-16	3-98H			
Source	Well Name		Formation		Depth
ENGLER DISTILL	ATION; 100	mL SAMPLE			
INITIAL BOILING	POINT	132° F			
REMARKS:					
	_				

mL Distilled	Temp ° F.	% Distilled
IВР	132	
5	187	5
10	230	10
15	260	15
20	296	20
25	327	25
30	355	30
35	384	35
40	435	40
45	465	45
50	499	50
60	570	60
70	647	70
80	i i	80
90	1	90
100	1	100



INDUSTRIAL COMMISSION STATE OF NORTH DAKOTA

DATE 4/20/11 CASE NO. 14651214558

Introduced By Samson Exhibit 10 Identified By Graeve

Exhibit No. 10 **Water Analysis**

ASTRO-CHEM LAB, INC.

4102 2nd Avc. West

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

Phone: (701) 572-7355

WATER ANALYSIS REPORT

SAMPLE NUMBER W-11-1169 DATE OF ANALYSIS 4-1-11

COMPANY Samson Resources

CITY Crosby STATE ND

WELL NAME AND/OR NUMBER Nova 4-9-163-98H

DATE RECEIVED 3-28-11

TWN.

DST NUMBER

SAMPLE SOURCE LOCATION

Treater OF SEC.

RANGE

COUNTY

FORMATION

DEPTH

Barry Nelson DISTRIBUTION

REBISTIVITY @ 77°F = 0.044 Chm-Meters

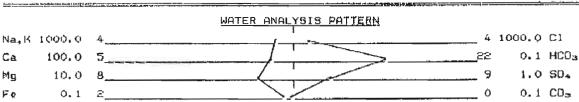
SPECIFIC GRAVITY @ 77°F = 1.165

HeS = Negative

TOTAL DISSOLVED SOLIDS (CALCULATED) = 239122 mg/L (205255 ppm)

SODIUM CHLORIDE (CALCULATED) = 235716 mg/L (202331 ppm)

CATION	MEQ/L	mg/L	ANTON	MEQ/L	ng/L
CALCIUM MAGNESIUM SODIUM IRON CHROMIUM	450.0 80.0 3558.1 0.2 0.1	9125 889 81800 2.8 9.7	CHLORIDE CARBONATE BICARBONATE SULFATE NITRATE	4032.0 0.0 2.2 9.0 0.0	142946 0 134 433
BARIUM POTASSIUM	0.1 96.7	9, 0 3780			



MEQ/L

REMARKS Sampled 3-25-11 by B. Kyllo, ACL.

ANALYZED BY: C. Jungels

Exhibit No. 11 Case No. 14557

<u>Development Well</u>: Nova 4-9-163-98H <u>Operator</u>: Samson Resources Company Horizontal Three Forks-Sanish Well

Surface Location: 285' FNL and 2,330' FEL of Section 4-T163N-R98W

Updip BHL: 10,047.5' South and 382.8' West of surface location

Field Designation Area:

Township 163 North, Range 98 West, Sections 1, 2, 3, 4, 5, 8, 9, 10, 11, and 12

Field Rules Requested:

A 1,280 acres spacing pattern in accordance with the patterned spacing established by Order No. 14402; designate setbacks of 200 feet to the north or south boundary of the spacing unit and 500 feet to the east or west boundary of the spacing unit.

Pools to be included:

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

Disposition of Fluids:

Oil transported by Shell Trading (US) Company Salt Water Hauled by Key Energy Services, Inc. Natural Gas is currently being flared

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA
DATE 42811 CASE NO. 14557 - 14558
Introduced By <u>Samson</u>
Exhibit 1
Identified By Graeve



March 28, 2010

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



RE: APPLICATION OF SAMSON RESOURCES COMPANY FOR APRIL 2011 HEARINGS

Dear Mr. Hicks:

Please find enclosed herewith for filing an APPLICATION OF SAMSON RESOURCES COMPANY.

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

Should you have any questions, please advise.

LB/leo

Enclosure

cc: Ms. Karlene Fine - (w/enc.)

Mr. Lynn Helms - (w/enc.)

Mr. Todd Sattler - (w/enc.)

Ms. Connie Wagers - (w/enc.)

Attorneys & Advisors main 701.221.4020 fax 701.221.4040 www.fredlaw.com Fredrikson & Byron, P.A. 200 North Third Street, Suite 150 Bismarck, North Dakota 58501-3879

BEFORE THE INDUSTRIAL COMMISSION

OF THE STATE OF NORTH DAKOTA

CASE No. 14558

Application of Samson Resources Company for an order creating four 720-acre drilling units comprised of Sections 25 and 36 and Sections 26 and 35, Township 164 North, Range 99 West, and Sections 29 and 32 and Sections 30 and 31, Township 164 North, Range 98 West, Divide County, North Dakota, authorizing the drilling of a horizontal well within each drilling unit and such other and further relief.



APPLICATION OF SAMSON RESOURCES COMPANY

Samson Resources Company ("Samson"), for its application to the North Dakota Industrial Commission ("Commission"), respectfully states as follows:

1.

That Samson is an owner of an interest in the oil and gas leasehold estate in portions of Sections 25 and 36 and Sections 26 and 35, Township 164 North, Range 99 West, and Sections 29 and 32 and Sections 30 and 31, Township 164 North, Range 98 West, Divide County, North Dakota (the "Subject Lands").

2.

That the Subject Lands are currently within an area for which the Commission has not established spacing for the Bakken formation.

3.

That Samson is desirous of drilling a horizontal test well to the Bakken formation in the proposed drilling units.

That Samson is of the opinion that drilling a horizontal test well is necessary to protect correlative rights, prevent waste and to effect the greater ultimate recovery of oil and gas from the pool.

5.

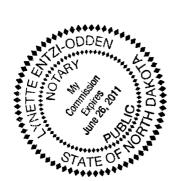
That Samson therefore requests an order of the Commission creating four 720-acre drilling units comprised of Sections 25 and 36 and Sections 26 and 35, Township 164 North, Range 99 West, and Sections 29 and 32 and Sections 30 and 31, Township 164 North, Range 98 West, Divide County, North Dakota, authorizing the drilling of a horizontal well within each drilling unit and such other and further relief as the Commission deems appropriate.

WHEREFORE, Samson requests the following:

- (a) That this matter be set for the regularly scheduled April 2011 hearings of the Commission;
- (b) That pursuant to Section 43-02-03-88.2 of the North Dakota Administrative Code, Samson's witnesses in this matter be allowed to participate by telephonic means; and
- (c) That the Commission issue its order granting the relief requested and such other and further relief as the Commission may deem appropriate.

DATED this 28th day of March, 2011.

	By LAWRENCE BENDER, ND Bar #03908 Attorneys for Applicant Samson Resources Company 200 North 3 rd Street, Suite 150 Post Office Box 1855 Bismarck, North Dakota 58502-1855 Phone: (701) 221-4020
STATE OF NORTH DAKOTA COUNTY OF BURLEIGH))ss.)
LAWRENCE BENDER,	being first duly sworn on oath, deposes and says that he is the
attorney for the applicant named l	nerein, that he has read the foregoing application, knows the
contents thereof, and that the same	is true to the best of this affiary a knowledge and belief. LAWRENCE BENDER
Subscribed and sworn to be	fore me this 28th day of March, 2011.



Notary Public Burleigh County, North Dakota My Commission Expires:

4897218_1.DOC

The North Dakota Industrial Com- Case No. 14560: Application of mission will hold a public hearing at 9:00 a.m. Thursday, April 28, 2011, at the N.D. Oil & Gas Division, 1016 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, April 15, 2011. STATE OF NORTH DAKOTA TO: Case No. 14551: Application of Continental Resources, Inc. for an order amending the field rules for the Stoneview-Bakken Pool to create two 2560-acre spacing units comprised of Sections 27 and 34. T.160N., R.95W. and Sections 3 and 10, T.159N., R.95W.; and Sections 26 and 35, T.160N., R.95W. and Sections 2 and 11, T.159N... R.95W., Divide and Williams Coun ties, ND, authorizing the drilling of multiple horizontal wells from said well pad within each 2560-acre spacing unit, eliminating any tool error requirements and such other relief as is appropriate. Case No. 14557: Temporary spacing to develop an oil and/or gas pool discovered by the Samson Resources Co. #4-9-163-98H Nova, NWNE Section 4, T.163N., R.98W., Divide County, ND, define the field imits, and enact such special field. ules as may be necessary. Case No. 14558: Application of Samson Resources Co. for an order reating four 720-acre drilling units Case No. 14615: Application of comprised of Sections 25 and 36: ind Sections 26 and 35, T.164N., L.99W.; Sections 29 and 32; and sections 30 and 31, T.164N., L98W., Divide County, ND, auhorizing the drilling of a horizontal vell within each drilling unit and

uch other relief as is appropriate.

Crescent Point Energy U.S. Corp. for an order extending the field boundaries and amending the field 191 rules for the West Ambrose-Bakken: Pool to create and establish a 1280acre spacing unit comprised of Sections 6 and 7, T.163N., R.99W., Divide County, ND, authorizing the drilling of one horizontal well on said spacing unit and such other relief as is appropriate.

Case No. 14598: Application of Continental Resources, Inc. for an order pursuant to NDAC § 43-02-08-88 1 pooling all interests in a spacing unit described as Sections 18 and 19, T.161N., R.96W., Upland-Bakken Pool, Divide County, ND as provided by NDCC § 38-08-08 and such other relief as is appropriate.

Case No. 14599: 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 16 and 21, T.161N., R.96W., Upland-Bakken Pool, Divide County, ND as provided by NDCC § 38-08-08 and such other relief as is appropriate.

Case No. 14600: 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 30 and 31, T.161N., R.96W., Upland-Bakken Pool, Divide County, ND as provided by NDCC § 38-08-08 and such other relief as is appropriate.

Continental Resources, Inc. for an order authorizing the drilling, completing and producing of a total of not more than two wells on a 1280-acre spacing unit described as Sections 17 and 20, T.161N., R.96W., Upland-Bakken Pool, Divide County, ND, eliminating any tool error requirements and such other relief as is appropriate

Wril 28th, 2011

Affidavit of Publication

State of North Dakota, County of Divide, ss:

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

NOTICE OF HEARING

a printed copy of which is here attached, was published in The Journal on the following dates:

TOTAL CHARGE......\$100.44

Steven J. Andrist, Publisher

Subscribed and sworn to before me April 6, 2011

Vonni L. Anderson

Notary Public, State of North Dakota

VONNI L. ANDERSON Notary Public State of North Dakota My Commission Expires Aug. 2, 2011

Case Ive. 14030. Application of Samson Resources Co. for an order pursuant to NDAC § 43-02-03-88.1 pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 2 and 11, T.163N., R.99W., Ambrose-Bakken Pool, Divide County, ND as County, ND, Blooming Prairieprovided by NDCC § 38-08-08 and Bakken Pool, as an exception to the such other relief as is appropriate. Case No. 14639; Application of Samson Resources Co. for an order ate. pursuant to NDAC § 43-02-03-88.1 Case No. 14695; Application of pooling all interests in a spacing unit described as Sections 5 and 8, T.163N., R.99W., Ambrose-Bakken Pool, Divide County, ND as from the Jacobson #15-161-98H provided by NDCC § 38-08-08 and well located in the SESE of Section such other relief as is appropriate. Case No. 14640: Application of Samson Resources Co. for an order an exception to the provisions of pursuant to NDAC § 43-02-03-88.1 NDCC § 38-08-06.4 and such other pooling all interests in a spacing unit described as Sections 14 and 23, T.163N., R.99W., Ambrose-Bakken Pool, Divide County, ND as order pursuant to NDAC § 43-02provided by NDCC § 38-08-08 and 03-88.1 authorizing the flaring of such other relief as is appropriate. Case No. 14641: Application of Samson Resources Co. for an order tion 36, T.162N., R.99W., Divide pursuant to NDAC § 43-02-03-88.1 County, ND, Ambrose-Bakken pooling all interests in a spacing unit described as Sections 6 and 7, T.163N., R.98W., Ambrose-Bakken Pool, Divide County, ND as Case No. 14697: Application of provided by NDCC § 38-08-08 and Baytex Energy USA Ltd. for an such other relief as is appropriate. Case No. 14642: Application of Samson Resources Co. for an order gas from the Myers #2-162-99H pursuant to NDAC § 43-02-03-88.1 well located in the SESE of Section pooling all interests in a spacing unit described as Sections 16 and 19, T.163N., R.98W., Ambrose-Bakken Pool, Divide County, ND as provided by NDCC § 38-08-08 and such other relief as is appropriate.

Samson resources Co. for an order authorizing the flaring of gas from the Ness #29-32-163-98H well located in the N/2 NW/4 of Section 29, T.163N., R.98W., Divide provisions of NDCC § 38-08-06.4 and such other relief as is appropri-Baytex Energy USA Ltd. for an order pursuant to NDAC § 43-02-03-88.1 authorizing the flaring of gas 15, T.161N., R.98W., Divide County, ND, Whiteaker-Bakken Pool, as relief as is appropriate. Case No. 14696: Application of Baytex Energy USA Ltd. for an gas from the Furhman #36-162-99H well located in the NWNW of Sec-Pool, as an exception to the provisions of NDCC § 38-08-06.4 and such other relief as is appropriate. order pursuant to NDAC § 43-02-03-88.1 authorizing the flaring of 2, T.162N., R.99W., Divide County, ND, Ambrose-Bakken Pool, as an exception to the provisions of NDCC § 38-08-06.4 and such other relief as is appropriate. Case No. 14698: Application of Baytex Energy USA Ltd. for an order pursuant to NDAC § 43-02-03-88.1 authorizing the flaring of gas from the Goldal #16-10-161-98H well located in the SESE of Section 10, T.161N., R.98W., Divide County, ND, Whiteaker-Bakken Pool, as

an exception to the provisions of NDCC § 38-08-06.4 and such other relief as is appropriate. Signed by, Jack Dalrymple. Governor





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Bismarck Tribune PO:Notice of Hearing

Affidavit of Publication

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and says that he Isno; is the Clerk of Blomarck Tribune Co., and that the publication (s) were must forough the

Notary Pueric in and for the State

of North Fiekota

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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, April 28, 2011. at the N.D. Oil & Gas Division, 1016 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, April 15, 2011.

STATE OF NORTH DAKOTA TO:

Case No. 14542: Application of Greggory Tank to determine if Continental Resources, Inc. is authorized to recover Resources, Inc. is authorized to recover from his interest as a nonparticipating owner in a spacing unit in the Johnson Corner-Bakken Pool consisting of Sections 4 and 9,7.150N., R.96VV, McKenzie County, ND, a risk penalty as provided in NDCC 5 38-08-08.

Lase No. 14543: Temporary spacing to develop an oil and/or gas pool discovered by the Continental Resources, Inc. #IX-11H Haag SFSW Sertion 21. T.144N.

21H Haag, SESW Section 21, T.144N., R.99W., Billings County, ND, define the field limits, and enact such special field rules as may be necessary

dase No. 14544. Temporary spacing to develop an oil and/or gas pool discovered by the Continental Resources, Inc. #1-19H Sud, NENW Section 19, T.153N., R.99W., Williams County, ND, define the field limits,

and enact such special field rules as may be necessary.

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Case No. 14545: Application of Continental Case No. 14550: Application of Continental Resources, Inc. for an order creating Resources, Inc. for an order extending the 1280-acre drilling unit comprised of field boundaries and amending the fiel Sections 24 and 25, T.141N., R.101W., rules for the Beaver Lodge-Bakken Pool to Billing Courty ND authorizing the drilling the sections 24 and 25, T.141N., R.101W., rules for the Beaver Lodge-Bakken Pool to Billing Courty ND authorizing the drilling the section of the sect Sections 24 and 25, 1.141N., K.1UTV., rules for the beaver Logge-banker room of Billings County, ND, authorizing the drilling create and establish two 1280-acre spacin of a horizontal well within said drilling units comprised of Sections 23 and 24 and such other relief as is appropriate. T.156N., R.95W.; and Sections 1 and 2 and such other relief as is appropriate. T.156N., R.95W.; Williams County, NE Resources, Inc. for an order amending the authorizing the drilling of one horizonts. field rules for the Little Knife-Bakken Pool well on each spacing unit and such other

need rules for the Little Knine-Bakken Pool well on each spacing unit and such othe to create and establish a 1280-acre spacing relief as is appropriate. unit comprised of Sections 27 and 34_Zase No. 14551: Application of Continent T.145N., R.97W., Dunn County, NE Resources, Inc. for an order amending th authorizing the drilling of one horizontal field rules for the Stoneview-Bakken Pox

County, ND, authorizing the drilling of one tool error requirements and such other

Resources, Inc. for an order extending the after hearing, revoking the permit issued field boundaries and amending the field SM Energy Co. to drill the Lindyig #2-14 rules for the North Tioga-Bakken Pool well (File No. 20431), with a surface loc to create and establish three 1280-acre tion in the NWNE of Section 14, T.1531 spacing units comprised of Sections 2 and R. [0] IV, McKenzie County, ND, and f. [1] Sections 3 and [10] and Sections 14 and surface relief or in appropriate. 11; Sections 3 and 10; and Sections 14 and such other relief as is appropriate.

23, T.160N., R.94W., Burke County, ND Case, No. 14355; (Continued) Prauthorizing the drilling of one horizontal spacing for the development of

Resources, Inc. for an order extending the be necessary. Continental Resources, Inc. field boundaries and amending the field rules for the Ray-Bakken Pool to create and establish thirteen 1280-acre spacing units comprised of Sections 28 and 33; Sections 29 and 32; Sections 30 and 31, T.158N., R.98W.; Sections 3 and 10; Sections 4 and 9; Sections 5 and 8; Sections 6 and 7; Sections 13 and 24; Sections 15 and 22; Sections 17 and 20; Sections 18 and 19; Sections 28 and 33; and Sections 27 and 34,T.157N., R.98W., Williams County, ND, authorizing the drilling of a total of not more than seven wells on each spacing unit, eliminating any tool error requirements and such other

relief as is appropriate.

well on said spacing unit and such other to create two 2560-acre spacing units con relief as is appropriate.

prised of Sections 27 and 34, T.160N ase No. 14547. Application of Continental R.95W. and Sections 3 and 10, T.159N Resources, Inc. for an order extending the R.95W; and Sections 2 and 11, 1.159h.
Resources, Inc. for an order extending the R.95W, and Sections 2 and 11, T.159h.
rules for the Leaf Mountain-Bakken Pool to R.95W, Divide and Williams Countie
create and establish two 1280-acre spacing, ND, authorizing the drilling of multip
units comprised of Sections 25 and 36; and horizontal wells from said well pad with
Sections 26 and 35, T.161N. R.94W, Burke each 2560-acre spacing unit, eliminating at

horizontal well on each spacing unit and relief as is appropriate.
such other relief as is appropriate.

ase No. 14548: Application of Continental Resources, Inc. for an order suspending as

well on each spacing unit and such other Northwest McGregor-Bakken Porelief as is appropriate.

Williams Gounty, No redefine the field in
lase No. 14549: Application of Continental
its, and enact such special field rules as in

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produce at an unrestricted rate and esignating Sections 6 and 7, T.150N., .99W., as the appropriate spacing unit ir said well and such other relief as is

se No. 14391: (Continued) Application Newfield Production Co. for an order spending, and after hearing, revoking a armit issued to XTO Energy Co. for the rilling of the Berg Federal #2 IX-30 well on drilling unit consisting of Sections 30 at 31, T.149N., R.97W., McKenzie County, alternatively, designating Newfield oduction Co. as operator of said well; and ich other relief as is appropriate.

ase No. 14556; Temporary spacing to svelop an oil and/or gas pool discovered the G3 Operating, LLC #1-28-33H irtola, NWNW Section 28, T.157N., 102W., Williams County, ND, define the eld limits, and enact such special field rules

may be necessary.

ase No. 14557: Temporary spacing to welop an oil and/or gas pool discovered the Samson Resources Co. #4-9-163-3H Nova, NWNE Section 4, T.163N., 98W., Divide County, ND, define the field

nits, and enact such special field rules as

ay be necessary.

ase No. 14558: Application of Samson isources Co. for an order creating four !0-acre drilling units comprised of ctions 25 and 36; and Sections 26 and 35, 164N., R.99W.; Sections 29 and 32; and ctions 30 and 31, T.164N., R.98W., Divide ounty, ND, authorizing the drilling of a prizontal well within each drilling unit and ch other relief as is appropriate.

ise No. 14559: Proper spacing for the velopment of the Patterson Lakedgepole Pool, Stark County, ND, redefine e field limits, and enact such special field es as may be necessary. Armstrong perating, Inc.

sol error requirements and such other relief as is appropriate.

Jan No. 14052. (Continued). Temporary face No. 14052. (Continued). Tem

Exploration Co., Inc. for an order amending drilling of one horizontal well on said for an order pursuant to NDAC Section Resources, Inc. for an order extending the field boundaries and amending the field comprised of Sections (Sections 24 and 25), and Sections (Section eliminating any tool error requirements and such other relief as is appropriate.

Case No. 13809: (Continued) Temporary

McLean Counties, ND, authorizing the requirements and such other relief as is may be necessary.

Associated field rules and such other spacing to develop an oil and/or gas pool discovered by the Fidelity Exploration & Case No. 14590: Application of Zenergy, Inc. for an order pursuant to NDAC § 43-02-03 amending the field rules for the Spotted Case No. 14572: Application of Spotted Production Co. #34-34H Oukrop, SWSE unit described as Sections 9 and 16, Bakken Pool, or the Mandaree-Bakken Pool to create and establish a 1280-acre spacing unit comprised of Sections 1 and 2,T149N, R.94W. McKenzie County, ND, authorizing the requirements and such other spacing to develop an oil and/or gas pool discovered by the Fidelity Exploration & 03-88.1 pooling all interests in a spacing unit comprised of Sections 1 and 2,T149N, R.94W. McKenzie County, ND, authorizing the field rules for the Heart special field rules as may be necessary.

R.94W. McKenzie County, ND, authorizing and Sections 2 and 34.T150N, discovered by the Fidelity Exploration & 38-08-08 and such other and further relief.

MCLean Counties, ND, authorizing the requirements and such other appropriate.

In the dilling of a total of not more than seven wells on said spacing unit, eliminating and Case ND. 14590: Application of Zenergy, Inc. of an order pursuant to NDAC Section 24.152.

MCLean Counties, ND, authorizing the direction from the requirements and such other and further relief.

MCLean Counties, ND, authorizing the direction from the requirements and such other appropriate.

MCLean Counties, ND, authorizing the direction from the requirements and such other appropriate.

MCLean Counties, ND, authorizing the direction of the requirements and such other and further relief.

MCLean Counties, ND, authorizing the direction of the requirements and such other spacing to develop an oil and/or gas pool for an order pursuant to NDAC Section 24.1520.

MCLEan Counties, ND, authorizing the direction of the re any tool error requirements and such other relief as is appropriate.

of Continental Resources, Inc. for an order amending the field rules for the Elm Tree-Bakken Pool to create a 2560-acre spacing unit comprised of all of Sections 5, 8, 17 and 20, T.153N., R.94W, McKenzie County, N.D. authorizing the drilling of up to four horizontal wells from said well pad within said 2560-acre spacing unit; allow and the properties of Sections 6 and 7, T.163N., R.94W, D. County, N.D. authorizing the drilling of up to four horizontal wells from said well pad within said 2560-acre spacing unit; allow and the will be comprised of Sections 6 and 7, T.163N., R.94W, D. County, N.D., authorizing the drilling of up to four horizontal wells from said well pad within said 2560-acre spacing unit; allow and the will be comprised of Sections 6 and 7, T.163N., R.94W, D. County, N.D., authorizing the drilling of one horizontal well on said spacing unit and such other relief as is appropriate.

Sections 14 and 23; Sections 15 and 31, T.149N., R.90W, McLean increase density wells on each 640-acre spacing unit and such other relief as is appropriate.

Sections 27 and 34; Sections 30 and 31, drilling of a total of not more than three density wells on each 640-acre spacing unit; and such other relief as is appropriate.

Sections 29 and 32; Sections 30 and 31, drilling of a total of not more than three density wells on each 640-acre spacing unit; and such other relief as is discovered by the Continental Resources, and the field boundaries and amending the field rules for the field boundaries and amending the field rules for the field boundaries and amending the field rules for extending the field boundaries and amending the field rules for the Deep producing of a total of not more than three and/or Buffallo Wallow Fields to establish the field rules for the field boundaries and amending the field rules for the field boundaries and amending the field rules for the density wells on each for the field boundaries and advorber fields restending the field rules for the field boundaries and amending the field rules for

R.104W., Williams County, ND, define the Section 30, T.149N., R.90W., Dunn and back rule, eliminating any tool error McKenzie County, ND, as provided by field limits, and enact such special field rules McLean Counties, ND, authorizing the requirements and such other relief as is NDCC Section 38-08-08 and such other

authorizing the drilling of a total of not Section 6, T.139N., R.97W., Stark more than eleven wells on said spacing unit, ND, define the field limits, and enact such

such other relief as is appropriate.

Lase No. 14580: Application of Citation Oil

Pase No. 14573: Application of Spotted & Gas Corp. for an order pursuant to

Hawk Development, LLC for an order NDAC § 43-02-03-88.1 authorizing the extending the and Dunn Counties, ND, authorizing theand such other relief as is appropriate.

on said spacing unit, eliminating any too exploration Co., Inc. for an order pursuant error requirements and such other relief at to NDAC § 43-02-03-88.1 authorizing the is appropriate. Dakota Group of the Roy Moen #1 well, NWNW Section 35, T.150N., R.100W., Timber Creek Field, McKenzie County, ND, pursuant to NDAC Chapter 43-02-05 and

24; the S/2 of Section 23 and the S/2 of acre spacing unit comprised of Sections 4.5. Asse No. 14589: Application of Zenergy, Inc. Section 24; T.149N., R.91W.; the N/2 of 6, 7, 8 and 9, T.150N., R.91W., McLean for an order pursuant to NDAC Section 19 and the N/2 of Section 20; the County, ND. authorizing the drilling of the Arithmetic Property of Section 20; the County of Section spacing to develop an oil and/or gas pool Section 19 and the N/2 of Section 20; the County, ND, authorizing the drilling of 43-02-03-88.1 pooling all interests in a discovered by the EOG Resources, Inc. #1. 5/2 of Section 19 and the S/2 of Section 20; a total of not more than nine wells spacing unit described as Sections 30 and 01H Lebron, SESE Section 1, T.155N., and the N/2 of Section 29 and the N/2 of Section unit, eliminating the 1220 set-31, T.152N., R.98W., Banks-Bakken,

eliminating any tool error requirements and special field rules as may be necessary.

field boundaries and conversion to saltwater disposal into the amending the field rules for the Van Hook- Dakota Group of the Madsen-Johnson 34-Bakken Pool to create and establish a 3200- 21 #2 well, SWSE Section 21, T.163N., acre spacing unit comprised of Sections 16, R.77W., Haram Field, Bottineau County, 17, 18, 19 and 20, T.150N., R.91W., McLean ND, pursuant to NDAC Chapter 43-02-05

43-02-03-88.1 pooling all interests in a spacing unit described as Sections 11 and 14,T.151N., R.104W, Dore or Briar Creek-Bakken, McKenzie County, ND, as provided by NDCC Section 38-08-08 and such other and further relief.

Case No. 14592:Application of Zenergy, Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 21 and 28, T.151N., R.104W., Dore or Briar Creek-Bakken, McKenzie County, ND, as provided by NDCC § 38-08-08 and such other relief as is appropriate.

§ 43-02-03-88.1 pooling all interests in a is appropriate.

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43-02-03-88.1 pooling all interests in a is appropriate.

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& Gas, L.P. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 3 and 10, Case No. 14673; Application of EOG flaring of gas from wells located in the Clear spacing unit described as Sections 1 and Mountrail NDAC § 43-02-03-88.1 pooling all interests Counties, ND, as an exception to the NDAC § 43-02-03-88.1 pooling all interests Counties, ND, as an exception to the pool Williams County, ND as provided by in a case in the clear space of the country of the pooling all interests and provisions of NDCC § 38-08-06.4 and such

is appropriate.

and 35, T.153N., R.103W., Sixmile and/or be connecte Case No. 14662: Application of Brigham Oil Eightmile-Bakken Pools, Williams County, Appropriate.

8 Gas, L.P. for an order pursuant to NDAC ND as provided by NDCC § 38-08-08 and § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 18 and Case. No. 14675: Application of EOG 19, T.153N., R.97W., Banks-Bakken Pool, Resources, Inc. for an order pursuant to MCKenzie County, ND as provided by NDAC § 43-02-03-88.1 pooling all interests NDCC § 38-08-08 and such other relief as in a spacing unit described as Sections 25 and 36, T.153N., R.103W., Sixmile and/or Eightmile-Bakken Pools. Williams County

Pool, Williams County, ND as provided by NDAC § 43-02-03-88. I pooling all interests Counties, ND, as an exception to the NDCC § 38-08-08 and such other relief as in a spacing unit described as Sections I and provisions of NDCC § 38-08-06.4 and such is appropriate.

Case No. 14661: Application of Brigham Oil Pool, Williams County, ND as provided by Case No. 14688: Application of EOG & Gas, LP for an order pursuant to NDAC NDCC § 38-08-08 and such other relief as Resources, Inc. for an order amending the same of the clear Water-Rabban Pool field rules for the Clear Water Rabban Pool field

Eightmile-Bakken Pools, Williams County, ND as provided by NDCC § 38-08-08 and

Case No. 14658: Application of Brigham Oil
Gase No. 14658: Application of Brigham Oil
Gase No. 14658: Application of Brigham Oil
NDCC § 38-08-08 and such other relief as § 38-08-06.4 and such other relief as is

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

NDAC § 43-02-03-88.1 pooling all interests flaring of gas from wells located in the provisions of NDCC § 38-08-08 and such other relief as is appropriate.

NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 18 Parshall-Bakken Pool, Mountrail and Prairie McLean Counties, ND, as an exception to Bakken Pool, Williams County, ND as the provisions of NDCC § 38-08-08-08 and such other relief as is appropriate.

Secures, Inc. for an order pursuant to NDAC § 38-08-08 and such other relief as is appropriate.

NDAC § 43-02-03-88.1 pooling all interests flaring of gas from wells located in the provisions of NDCC § 38-08-08-08 and such other relief as is appropriate.

Case No. 14659-Application of EOG Resources, Inc. for an order pursuant to flaring of gas from wells located in the NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Section 20, Williams County, ND as provided by NDCC § 38-08-08 and such other relief as is appropriate.

Case No. 14660-Application of Brigham Oil Resources, Inc. for an order pursuant to NDAC § 38-08-08 and such other relief as is appropriate.

Case No. 14660-Application of Brigham Oil NDCC § 38-08-08 and such other relief as Section 20, Williams County, ND as provided by NDCC § 38-08-08-08 and such other relief as is appropriate.

Case No. 14660-Application of Brigham Oil NDCC § 38-08-08-08 and such other relief as Section 20, Williams County, ND as provided by NDCC § 38-08-08-08 and such other relief as is appropriate.

Case No. 14680-Application of Brigham Oil NDCC § 38-08-08-08 and such other relief as Section 20, Williams County, ND as provided by NDCC § 38-08-08-08 and such other relief as is appropriate.

Case No. 14680-Application of Brigham Oil NDCC § 38-08-08-08 and such other relief as Section 20, Williams County, ND as provided by NDCC § 38-08-08-08 and such other relief as Section 20, Williams County, ND as provided by NDCC § 38-0

& Gas, L.P. for an order pursuant to NDAC NDCC § 38-08-08 and such other relief as § 43-02-03-88.1 pooling all interests in a is appropriate, as a pooling all interests in a is appropriate.

Resources, Inc. for an order pursuant to allow the flaring of gas and unrestricted production of oil from wells not connected to a gas gathering facility until the same can and 35, T.153N., R.103W. Sixmile and/or second and such other relief as is appropriate.

Size I. Most and on frequent on DNAC Size I. No. 14676. Application of Brightm Office No. 14676. Application of 1500 PRITTED for a risk persisty of SUG. 3 and Sugar or or pursuant to NNAC \$4.02.08.81 pooling all interests in a \$4.04.08.81 pooling all i

an order pursuant to NDAC § 43-02-03- producing of a total of not more than five 88.1 pooling all interests in a spacing unit wells on a 640-acre spacing unit described described as Section 6, T.139N., R.97W., as Section 12, T.148N., R.92W., Heart Butte-Heart River-Bakken Pool, Stark County, ND Bakken Pool, Dunn County, ND, eliminating as provided by NDCC § 38-08-08 and such any tool error requirements and such other

Petroleum Corp. for an order authorizing Resources (U.S.A.) Inc. for an order the drilling, completing and producing of a authorizing the drilling, completing and total of not more than seven wells on each producing of a total of not more than two 1280-acre spacing unit described as wells on a 320-acre spacing unit described sections 26 and 35; and Sections 27 and 34, of the N/2 of Section 13, T.148N., R.94W; a T.150N., R.97W; and Sections 2 and 11, total of not more than seven wells on each

Energy USA Ltd. for an order pursuant to error requirements and such other research NDAC § 43-02-03-88. I authorizing the flar- is appropriate.

In go f gas from the Jacobson #15-161-98H Lase No. 14706: Application of Enerplus well located in the SESE of Section 15, Resources (U.S.A.) Inc. for an order T.161N., R.98W., Divide County, ND, authorizing the drilling, completing and Whiteaker-Bakken Pool, as an exception to producing of a total of not more than two the provisions of NDCC § 38-08-06.4 and

located in the SESE of Section T.162N., R.99W. Divide County, ND, Ambrose-Bakken Pool, as an exception to the provisions of NDCC 6.38-08-06-4 and

other relief as is appropriate.

Case No. 14694: Application of Abraxas Case No. 14705; Application of Enerplus

7.149N., R.97W., North Fork-Bakken Pool, 1280-acre spacing unit described as McKenzie County, ND, eliminating any tool Sections 3 and 10, T.148N., R.94W.; Sections error requirements and such other relief as 5 and 6; and Sections 20 and 29, T.148N., is appropriate.
R. 93W., McGregory Buttes-Bakken Pool,
Case No. 14695. Application of Baytex Dunn County, ND, eliminating any tool
Energy USA Ltd. for an order pursuant to error requirements and such other relief as

wells on a 320-acre spacing unit comprised of the N/2 of Section 13,T.148N., R.94W.; a such other relief as is appropriate.

Case No. 14696: Application of Baytex total of not more than four wells on each Energy USA Ltd. for an order pursuant 640-acre spacing unit described as Section to NDAC § 43-02-03-88.1 authorizing the 3: Section 10, T.148N., R.94W; and a recommendation of the N/2 of Section 10, T.148N., R.94W; and a recommendation of the N/2 of Section 10, T.148N., R.94W; and a recommendation of the N/2 of Section 13, T.148N., R.94W; and a re flaring of gas from the Furhman #36-162- and Section 6,T.148N., R.93W.; and a total 99H well located in the NWNW of Section 36, T.162N., R.99W., Divide County, ND, acre spacing unit described as Sections 7 Ambrose-Bakken Pool, as an exception to the provisions of NDCC § 38-08-06.4 and R.93W., McGregory Buttes-Bakken Pool such other relief as is appropriate.

Case No. 14697: Application of Baytex to NDAC § 43-02-03-88.1 authorizing the flaring of gas from the Myers #2-162-99H well located in the SESE of Section 2. 99H well located in the NWNW of Section of not more than seven wells on each 1280-

Isi smarck Case No. 14593:Application of Zenergy, Inc. Case No. 14605: Application of Continental Case No. 14615: Application of Continental Case No. 14615: Application of Continental Case No. 14626: Application of Continental Case No. 14615: Application of Continental Case No. 14626: Applicat

pacing unit described as Sections 17 and appropriate.

0, T.151N., R.98W., Siverston-Bakken, Case No. 14608: Application of Continental

3-02-03-88.1 pacing unit described as Sections 17 and is appropriate. 0, T.153N., R.103W., Painted Woods Case No. 14609: Application of Continental

bookes, inc. of all order pursuant to 100.7 to 100.0 \$ 38-08-08 and such other relief as a spacing unit described as Sections 18 is appropriate.

d 19, T.161N., R.96W., Upland-Bakken ase No. 14610: Application of Continental

a spacing unit described as Sections 16 each such spacing unit, eliminating any tool d 21, T.161N., R.96W., Upland-Bakken error requirements and such other relief as xol, Divide County, ND as provided by is appropriate. oil, Divide County, ND as provided by a appropriate.

DCC § 38-08-08 and such other relief as Case No. 14611-Application of Continental appropriate.

Resources, Inc. for an order authorizing

a spacing unit descri provided by NDCC § 38-08-08 and such

sources, Inc. for an order pursuant to such other relief as is appropriate.

AC § 43-02-03-88. I pooling all interests (Case No. 14613:Application of Continental

14603: Application of Continental sources, Inc. for an order pursuant to of seven nortzontal wens on each source.

AC § 43-02-03-88. I pooling all interests spacing unit, eliminating any tool error spacing unit described as Sections I and requirements and such other relief as T.15IN., R.99W., North Tobacco appropriate.

Ten-Bakken Pool, McKenzie County, Lase No. 14614: Application of Continental County of the No.

h other relief as is appropriate.

151N., R.98W, Siverston-Bakken, unit described as Sections 30 and 31, 1cKenzie County, ND, as provided by T.151N., R.96W, and Sections 6 and 7, IDCC Section 38-08-08 and such other T.150N., R.96W, Dimmick Lake-Bakken and further relief.

The purished is a such other in 1904, N. 1904. Diffinition to the purished is a provided in the purished in the purished

1cKenzie County, ND, as provided by Resources, Inc. for an order pursuant to IDCC Section 38-08-08 and such other NDAC § 43-02-03-88.1 pooling all interests nd further relief.

in a spacing unit described as Sections 14 (ase No. 14618: Application of Denbury ase No. 14597: Application of Zenergy, Inc. and 23, T.150N., R.97W., Siverston-Bakken Onshore, LLC for an order pursuant to ran order pursuant to NDAC Section Pool, McKenzie County, ND as provided by NDAC § 43-02-03-88. I pooling all interests pooling all interests in a NDCC § 38-08-08 and such other relief as

akken, Williams County, ND, as provided Resources, Inc. for an order pursuant to y NDCC Section 38-08-08 and such other NDAC § 43-02-03-88.1 pooling all interests nd further relief. in a spacing unit described as Sections 3 and ase No. 14598; Application of Continental 10, T.149N., R.98W., Pembroke-Bakken esources, Inc. for an order pursuant to Pool, McKenzie County, ND as provided by

ol, Divide County, ND as provided by Resources, Inc. for an order authorizing DCC § 38-08-08 and such other relief as the drilling, completing and producing of horizontal increase density wells on each ase No. 14599. Application of Continental 1280-acre spacing unit within the Brooklyn-asources, Inc. for an order pursuant to Bakken Pool, Williams County, ND, not to DAC § 43-02-03-88.1 pooling all interests exceed a total of seven horizontal wells on

ise No. 14600: Application of Continental the drilling, completing and producing of sources, Inc. for an order pursuant to horizontal increase density wells on each DAC § 43-02-03-88. I pooling all interests 1280-acre spacing unit within the Long a spacing unit described as Sections 30 Creek-Bakken Pool, Williams County, ND d 31, T.161N., R.96W., Upland-Bakken not to exceed a total of seven horizontal ol, Divide County, ND as provided by wells on each such spacing unit, eliminating DCC § 38-08-08 and such other relief as any tool error requirements and such other

appropriate. relief as is appropriate.

se No. 14601: Application of Continental Case No. 14612: Application of Continental sources, Inc. for an order pursuant to Sesources, Inc. for an order authorizing DAC § 43-02-03-88.1 pooling all interests the drilling, completing and producing of ed as Sections 28 horizontal increase density wells on each d 33, T.154N., R.101W., Todd-Bakken 1280-acre spacing unit within the North ol, Williams and McKenzie Counties, ND Tobacco Garden-Bakken Pool, McKenzie Tobacco Garden-Bakken Pool, McKenzie County, ND, not to exceed a total of seven ner relief as is appropriate. | horizontal wells on each such spacing unit se No. 14602: Application of Continental eliminating any tool error requirements and horizontal wells on each such spacing unit,

a spacing unit described as Sections 2, 11, Resources, Inc. for an order authorizing a spacing unit described as sections 2,11. Resources, Inc. for an order authorizing and 23,T.152N., R.100W., Camp-Bakken the drilling, completing and producing of 51, McKenzie and Williams Counties, ND horizontal increase density wells on provided by NDCC § 38-08-08 and such each 1280-acre spacing unit within the rer relief as is appropriate. Counties. ND. not to exceed a total an order pursuant to of seven horizontal wells on each such

as provided by NDCC § 38-08-08 and Resources, Inc. for an order authorizing Act 9 3-92-03-05. I pooling an interest of pairs - parker i roof, vining and in a spacing unit described as Sections 2 and Counties, ND, not to exceed a total 8, T.150N., R.97W., Siverston-Bakken Pool, T.151N., R.99W., North Tobacco of seven horizontal wells on each such McKenzie County, ND as provided by T.151N., R.99W., North lobacco of seven norizonial wells of data and McKenzie County, ND as provided by McKenzie County, ND as provided by NDCC § 38-08-08 and requirements and such other relief as is appropriate.

tor an order pursuant to NDAC Section Resources, Inc. for an order pursuant to 33.02-03-88.1 pooling all interests in a NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 14 and in a spacing unit described as Sections 4 and of not more than two wells on a 1280-acre in a spacing unit described as Section 17, 151N., R.99W., North Tobacco 9, T.151N., R.97W., Elidah-Bakken Pool, spacing unit described as Sections 17 and T.150N., R.97W., Siverston-Bakken Pool, Sarden-Bakken, McKenzie County, ND as provided by NDCC Section 38-08-08 and such other relief as is appropriate.

In the security of the section 18 and 18

Resources, 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 Goodman #1-36H well located in a spacing unit described as Sections 25 and 36, T.155N., R.103W., Squires-Bakken Pool, Williams County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Onshore, LLC for an order pursuant to Case No. 14630: Application of Newfield in a spacing unit described as Sections 13 and 24, T.152N., R.103W., Glass Bluff-Bakken Pool, Williams and McKenzie Counties, ND as provided by NDGC § 38-08-08 and such other relief as is ppropriate.

Case No. 14619: Application of Denbur Onshore, LLC for an order pursuant to NDAC § 43-02-03-88. I pooling all interests in a spacing unit described as Sections 25 and 36, T.152N., R.103W., Glass Bluff-Bakken Pool, McKenzie County, ND as provided by NDCC § 38-08-08 and such other relief as is appropriate.

Case No. 14620: Application of Denbury Onshore, LLC for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 21 and 28, T.151N., R.99W., Tobacco Garden-Bakken Pool, McKenzie County, ND as provided by NDCC § 38-08-08 and such other relief as is appropriate.

Case No. 14621: Application of Denbury

Onshore, LLC for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 27 and 34, T.151N., R.99W., Tobacco Garden-Bakken Pool, McKenzie County, ND as provided by NDCC § 38-08-08 and such

other relief as is appropriate.

Case No. 14622: Application of Denbury
Onshore, LLC for an order pursuant to
NDAC § 43-02-03-88. I pooling all interests
in a spacing unit described as Sections 2 and 11, T.150N., R.98W., Siverston-Bakken Pool, McKenzie County, ND as provided by NDCC § 38-08-08 and such other relief as

is appropriate. Case No. 14623: Application of Denbury Onshore, LLC for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 13 and 24, T.150N., R.98W., Siverston-Bakken Pool, McKenzie County, ND as provided by NDCC § 38-08-08 and such other relief as is appropriate.

Case No. 14624: Application of Denbury Onshore, LLC for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 14 and 23, T.150N., R.98W., Siverston-Bakken Pool, McKenzie County, ND as provided by NDCC § 38-08-08 and such other relief as

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Case No. 14594; Application of Zenergy, Inc. Case No. 14606; Application of Continental is appropriate.

Case No. 14594; Application of Zenergy, Inc. Case No. 14606; Application of Continental is appropriate.

Onshore, LLC for an order pursuant to NDAC Section Resources, Inc. for an order pursuant to Case No. 14616; Application of Continental Onshore, LLC for an order pursuant to Onshore, LLC for an order pursuant to NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. for an order authorizing the NDAC \$43-02-03-88.1 pooling all interests in a NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. for an order authorizing the NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. for an order authorizing the NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. for an order authorizing the NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. for an order authorizing the NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. for an order authorizing the NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. for an order pursuant to NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. for an order pursuant to NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. for an order pursuant to NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. for an order pursuant to NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. for an order pursuant to NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. for an order pursuant to NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. for an order pursuant to NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. for an order pursuant to NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. for an order pursuant to NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. for an order pursuant to NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. for an order pursuant to NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. for an order pursuant to NDAC \$43-02-03-88.1 pooling all interests Resources, Inc. fo

in a spacing unit described as Sections 30 and 31, T.150N., R.97W., Siverston-Bakken Pool, McKenzie County, ND as provided by NDCC 6 38-08-08 and such other relief as appropriate.

Case No. 14629: Application of Denbury Onshore, LLC for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Section 1, T.147N., R.96W., Bear Creek-Bakken Pool, Ounn County, ND as provided by NDCC 38-08-08 and such other relief as is appropriate.

Production Co. for an order pursuant to NDAC § 43-02-03-88. I pooling all interests in a spacing unit described as Section 4, in a spacing unit described as Sections 18 T.156N., R.99W, Brooklyn, Epping, and/or and 19, T.163N., R.98W, Ambrose-Bakken East Fork-Bakken Pool, Williams County, Pool, Divide County, ND as provided by ND as provided by NDCC § 38-08-08 and such other relief as is appropriate

Case No. 14631: Application of Newfield East Fork-Bakken Pool, Williams such other relief as is appropriate.

Production Co. for an order pursuant to appropriate.

NDAC § 43-02-03-88. I pooling all interests. See No. 1464: Application of Brigham Oil in a spacing unit described as Sections 16 & Gas, L.P. for an order pursuant to NDAC and 21, T.156N., R.99W., Brooklyn, Epping, § 43-02-03-88. I pooling all interests in a and/or East Fork-Bakken Pool, Williams spacing unit described as Sections 4 and 9, County, ND as provided by NDCC § 38-08. T.157N., R.91W., Kittleson Slough-Bakken Pool, Mountrail County ND as provided by NDCC § 38-08. T.157N., R.91W., Kittleson Slough-Bakken Pool, Mountrail County ND as provided by NDCC § 38-08. 08 and such other relief as is appropriate. Pool, Mountrail County, ND as provided by ase No. 14633: Application of Newfield NDCC § 38-08-08 and such other relief as

Case No. 14633: Application of Newfield: NDCC § 38-08-08 and such other relief as Production Co. for an order pursuant to is appropriate.

NDAC § 43-02-03-88.1 pooling all interests Case No. 14645: Application of Brigham Oil in a spacing unit described as Sections 25 & Gas, L.P. for an order pursuant to NDAC and 36, T.156N., R.99W., Brooklyn, Epping, § 43-02-03-88.1 pooling all interests in a and/or East Fork-Bakken Pool, Williams spacing unit described as Sections 33 and County, ND as provided by NDCC § 38-08-34, T.156N., R.92W., Alger-Bakken Pool, 08 and such other relief as is appropriate. Mountrail County, ND as provided by Case No. 14634: Application of Newfield NDCC § 38-08-08 and such other relief as Production Co. for an order pursuant to is appropriate.

Case No. 14634: Application of Newfield NDCC § 38-08-08 and such other relief as Production Co. for an order pursuant to appropriate.

NDAC § 43-02-03-88. I pooling all interests Case No. 14646: Application of Brigham Oil in a spacing unit described as Section 33, & Gas, L.P. for an order pursuant to NDAC T.154N., R.100W., Last Chance-Bakken § 43-02-03-88. I pooling all interests in a Pool, Williams County, ND as provided by spacing unit described as Sections 20 and NDCC § 38-08-08 and such other relief as 79, T.155N., R.93W., Alger-Bakken Pool, Williams County ND as provided by spacing unit described as Sections 20 and NDCC § 38-08-08 and such other relief as 79, T.155N., R.93W., Alger-Bakken Pool, Williams County ND as provided by spacing unit described as Sections 20 and NDCC § 38-08-08 and such other relief as Provided by Application County ND as riate.

ase No. 14635: Froduction Co. for an order pursuant to appropriate.

NDAC § 43-02-03-88.1 pooling all interests Case No. 14647:Application of Brigham Oil in a spacing unit described as Section 31, & Gas, LP for an order pursuant to NDAC is appropriate.

Production Co. for an order authorizing the is appropriate.

drilling, completing and producing of a total as No. 14648: Application of Brigham Oil drilling, completing and producing of a total Case No. 14648: Application of Brignam Oil of not more than five wells on each 1280-18, Gas. L.P. for an order pursuant to NDAC acre spacing unit described as Sections 26: § 43-02-03-88.1 pooling all interests in a and 35; and Sections 29 and 32, T.150N., spacing unit described as Sections 4 and 9, 8.99W. South Tobacco Garden-Bakken T.155N., R.92W., Alger-Bakken Pool, Pool, McKenzie County, ND. eliminating any Mountrail County, ND as provided by tool error requirements and such other NDCC § 38-08-08 and such other relief as representate.

than five wells on each 1280-acre spacing NDCC § 38-08-08 and such other relief as unit described as Sections 6 and 7; is appropriate.

and Sections 17 and 20, T.150N., R.98W. Pool, McKenzie Siverston-Bakken County, ND, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 14638; Application of Samson Resources Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 2 and 11, T.163N., R.99W., Ambrose-Bakken Pool, Divide County, ND as provided by NDCC § 38-08-08 and such other relief as is appropriate

ase No. 14639: Application of Samson Resources Co. 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.163N., R.99W., Ambrose-Bakken Pool, Divide County, ND as provided by NDCC § 38-08-08 and such other relief as is appropriate.

No. 14640: Application of Samson 7—358 No. 14949. Application of samson Resources Co. for an order pursuant to NDAC § 43-02-03-88. I pooling all interests in a spacing unit described as Sections 14 and 23, T.163N., R.99W, Ambrose-Bakken Pool, Divide County, ND as provided by NDCC § 38-08-08 and such other relief as riate

Case No. 14641: Application of Samson Resources Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 6 and 7, T.163N., R.98W., Ambrose-Bakken Pool, Divide County, ND as provided by NDCC § 38-08-08 and such other relief as is appropriate.

ase No. 14642; Application of Samson Resources Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests NDCC § 38-08-08 and such other relief as is appropriate

ase No. 14643: Application of Samson Case No. 14631; Application of Newheir Case No. 14631; Application of Newheir Case No. 14631; Application of Newheir Case No. 14631; Application of Samson Production Co. for an order pursuant to NDAC § 43-02-03-88.1 pauliorization the NDAC § 43-02-03-88.1 authorization of NDAC § 43-02-03-88.1 auth County, Section 29, T.163N., R.98W., Divide County, ND as provided by NDCC § 38-08-08 and ND, Blooming Prairie-Bakken Pool, as an exception to the provisions of NDCC Case No. 14632: Application of Newfield § 38-08-06.4 and such other relief as is

Mountrail County, ND as provided by

Application of Newfield NDCC § 38-08-08 and such other relief as

T.152N., R.96W., Westberg-Bakken Pool, § 43-02-03-88.1 pooling all interests in a McKenzie County, ND as provided by spacing unit described as Sections 16 and NDCC § 38-08-08 and such other relief as 21, T.155N., R.92W., Alger-Bakken Pool, Mountrail County, ND as provided by ase No. 14636: Application of Newfield NDCC § 38-08-08 and such other relief as

relief as is appropriate.

Is appropriate. Production Co. for an order authorizing the & Gas, L.P. for an order pursuant to NDAC drilling, completing and producing of a total § 43-02-03-88.1 pooling all interests in a of not more than six wells on a 1280-acre spacing unit described as Sections 5 and 8, spacing unit described as Sections 5 and 8, T.155N., R.103W., Squires-Bakken Pool, T.151N., R.98W.; and a total of not more Williams County, ND as provided by Bismarck bribune April 28", 2011

Case No. 14707: Application of Sinclair Oil & Gas Co. for an order authorizing the drilling, completing and producing of a total of not more than two wells on a 1280-acre spacing unit described as Sections 25 and 36, T.154N., R.93W., Robinson Lake-Bakken Pool, Mountrail County, ND, eliminating any tool error requirements and such other relief as is appropriate.

rool error requirements and such other relief as is appropriate.

Case No. 14708:Application of XTO Energy Inc. for an order authorizing the drilling, completing and producing of a total of not more than three wells on each 1280-acre spacing unit described as Sections 2 and 11; Sections 13 and 24; and Sections 14 and 23, T.148N., R.105W; Sections 21 and 22, T.148N., R.104W; and Sections I and 2, T.147N., R.104W, MonDak-Bakken Pool, McKenzie County, ND, eliminating any tool error requirements and such other relief as is appropriate.

Case No. 14709:Application of XTO Energy Inc. for an order authorizing the drilling, completing and producing of a total of not more than three wells on each 1280-acre spacing unit described as Sections 5 and 8, T.156N., R.96W.; and Sections 17 and 20, T.155N., R.96W. Dollar Joe-Bakken Pool, Williams County, ND, eliminating any tool error requirements and such other relief as is appropriate.

is appropriate.
Signed by,
Jack Dalrymple, Governor
Chairman, ND Industrial Commission
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٠,: