

BEFORE THE INDUSTRIAL COMMISSION
OF THE STATE OF NORTH DAKOTA

CASE NO. 13020
ORDER NO. 15287

IN THE MATTER OF A HEARING CALLED ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF WHITING OIL & GAS CORP. FOR AN ORDER EXTENDING THE OUTLINE OF THE DUTCH HENRY BUTTE FIELD AND AMENDING THE APPLICABLE ORDERS FOR THE DUTCH HENRY BUTTE-BAKKEN POOL TO ESTABLISH 1280-ACRE SPACING UNITS CONSISTING OF SECTIONS 3 AND 10; SECTIONS 4 AND 9; SECTIONS 7 AND 18; SECTIONS 8 AND 17; SECTIONS 16 AND 21; SECTIONS 15 AND 22, T.140N., R.97W.; AND SECTIONS 13 AND 24, T.140N., R.98W., STARK COUNTY, ND, ALLOWING ONE HORIZONTAL WELL TO BE DRILLED IN THE BAKKEN POOL, 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 29th day of July, 2010.
- (2) The witnesses for Whiting Oil & Gas Corporation (Whiting) 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 September 27, 2010; therefore, such testimony may be considered evidence.
- (3) Whiting made application to the Commission for an order extending the outline of the Dutch Henry Butte Field and amending the applicable orders for the Dutch Henry Butte-Bakken Pool to establish 1280-acre spacing units consisting of Sections 3 and 10; Sections 4 and 9; Sections 7 and 18; Sections 8 and 17; Sections 15 and 22; Sections 16 and 21, Township 140 North, Range 97 West (Sections 3, 10, 4, 9, 7, 18, 8, 17, 15, 22, 16, and 21); and Sections 13 and 24, Township 140 North, Range 98 West (Sections 13 and 24), Stark County, North Dakota, allowing one horizontal well to be drilled in the Bakken Pool, and such other relief as is appropriate.

(4) Order No. 10997 entered in Case No. 9029, the most recent spacing order for the Dutch Henry Butte-Bakken Pool, established proper spacing for its development at one horizontal well per 640 acres.

(5) Sections 4, 9, 7, and 8 are adjacent or adjoining to the Dutch Henry Butte Field. Sections 3, 10, 15, 16, 17, and 18 are one section removed from the Dutch Henry Butte Field. Sections 21 and 22 are two sections removed from the Dutch Henry Butte Field. Section 22 is within the Dickinson Field and the SE/4 is within the Dickinson-Heath Sand Unit. There has never been a well permitted in Section 22. Removing Section 22 from the Dickinson Field and placing it in the Dutch Henry Butte Field, but necessarily leaving the SE/4 in the Dickinson-Heath Sand Unit, will provide for orderly development.

(6) Whiting presented evidence the Dutch Henry Butte-Bakken Pool underlies Sections 3, 4, 7, 8, 9, 10, 15, 16, 17, 18, 21, and 22; therefore, the boundary of the Dutch Henry Butte Field should be extended to include such lands.

(7) Section 24 is adjacent to the Green River Field. Section 13 is one section removed from the Green River Field. Case No. 13373, heard on the November 18, 2010 docket, is a motion of the of the Commission to consider the temporary spacing to develop an oil and/or gas pool discovered by the Whiting #11-13TFH Kubas well (File No. 18837), NW/4 NW/4 of Section 13, Township 140 North, Range 99 West, Stark County, North Dakota, define the field limits, and enact such special field rules as may be necessary. Order No. 15649 established the Green River-Bakken Pool which allows up to two horizontal wells per 1280 acres.

(8) Whiting presented evidence the Green River-Bakken Pool underlies Sections 13 and 24; therefore, the boundary of the Green River Field should be extended to include such lands.

(9) There are no wells currently permitted to or producing from the Bakken Pool in Sections 13, 24, 3, 4, 7, 8, 9, 10, 15, 16, 17, 18, 21, or 22.

(10) Whiting plans to develop the upper Three Forks Formation in the Bakken Pool underlying Sections 13 and 24; Sections 3 and 10; Sections 4 and 9; Sections 7 and 18; Sections 8 and 17; Sections 15 and 22; and Sections 16 and 21 by drilling a single-lateral horizontal well in each proposed 1280-acre spacing unit approximately 2000 feet from the east or west boundary. 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 Dutch Henry Butte-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.

(11) Whiting requested the Bakken Pool definition be the interval from 100 feet above the top of the Bakken Formation to 100 feet below the top of the Three Forks Formation.

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

setback requirements in any established Bakken Pool spacing unit or drilling unit relative to the heel and toe of a horizontal well to 200 feet.

(13) There were no objections to this application.

(14) If Whiting'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) Sections 13 and 24, Township 140 North, Range 98 West, Stark County, North Dakota, are hereby established as a 1280-acre spacing unit for the exclusive purpose of drilling up to two horizontal wells within said spacing unit within the Green River-Bakken Pool. Existing and future vertical and directional wells drilled within the spacing unit herein established shall not be subject to this order.

(2) Sections 3 and 10; Sections 4 and 9; Sections 7 and 18; Sections 8 and 17; Sections 15 and 22; and Sections 16 and 21, Township 140 North, Range 97 West, Stark County, North Dakota, are hereby established as 1280-acre spacing units for the exclusive purpose of drilling one horizontal well within each said spacing unit within the Dutch Henry Butte-Bakken Pool and Zone II is hereby created to include said spacing units. Existing and future vertical and directional wells drilled within the spacing units herein established shall not be subject to this order.

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

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

TOWNSHIP 140 NORTH, RANGE 97 WEST, 5TH PM

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

TOWNSHIP 140 NORTH, RANGE 96 WEST, 5TH PM

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

TOWNSHIP 139 NORTH, RANGE 97 WEST, 5TH PM

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

TOWNSHIP 139 NORTH, RANGE 96 WEST, 5TH PM

ALL OF SECTIONS 5 AND 6,

together with those additional quarter 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.

(5) The operator of the first producing well in the Green River-Bakken Pool shall submit exhibits to be included in the record for this case similar to those typically submitted in a temporary spacing hearing. Such exhibits must be submitted within 120 days after completing said well.

(6) Provisions established herein for the Green River-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 (7) below shall not be subject to this order.

(7) The Green River Field is hereby redefined as the following described tracts of land in Stark County, North Dakota:

TOWNSHIP 140 NORTH, RANGE 99 WEST, 5TH PM
THE E/2 OF SECTION 25,

TOWNSHIP 140 NORTH, RANGE 98 WEST, 5TH PM
ALL OF SECTIONS 13, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 AND 36.

(8) The Green River-Bakken Pool is hereby defined as that accumulation of oil and gas found in the interval from 100 feet above the top of the Bakken Formation to 100 feet below the top of the Three Forks Formation within the limits of the field as set forth above.

(9) The temporary spacing for the development of the Green River-Bakken Pool is hereby set at up to two horizontal wells per 1280 acres.

(10) All portions of the well bore not isolated by cement of any horizontal well hereafter drilled in the Green River-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.

(11) Sections 13 and 24; Sections 25 and 36; Sections 26 and 35; Sections 27 and 34; Sections 28 and 33; Sections 29 and 32; and Sections 30 and 31, Township 140 North, Range 98 West, Stark County, North Dakota, are hereby designated 1280-acre spacing units in the Green River-Bakken Pool.

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

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

(14) The operator of any horizontally drilled well in the Green River-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.

(15) 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 Green River-Bakken Pool.

(16) 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 Green River-Bakken Pool; and (2) make such further amendments or modifications to the spacing requirements for the Green River-Bakken Pool as the Commission deems appropriate.

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

(18) The following rules concerning the casing, tubing and equipping of wells shall apply to the subsequent drilling and operation of wells in the Green River-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.

(19) 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 Green River-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 7600 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.

(20) 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.

(21) 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.

(22) All wells in the Green River-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.

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

(24) This portion of this order shall cover all of the Green River-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 July, 2012. If the Green River-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 June, 2012. If, however, the Green River-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.

(25) Provisions established herein for the Dutch Henry Butte-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 (27) below shall not be subject to this order.

(26) In any horizontal well drilled or well re-entered to drill a horizontal lateral in the Dutch Henry Butte-Bakken Pool, in which a window is cut in the casing and the Lodgepole Formation is to be open to the well bore, appropriate geological information (drill time, estimated porosity, oil shows, total gas, etc.) shall be gathered while drilling through the Lodgepole Formation and the Commission shall be notified immediately of any significant shows encountered.

(27) The Dutch Henry Butte Field is hereby redefined as the following described tracts of land in Stark County, North Dakota:

TOWNSHIP 140 NORTH, RANGE 97 WEST, 5TH PM

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

(28) The Dutch Henry Butte-Bakken Pool is hereby redefined as the following described tracts of land in Stark County, North Dakota:

ZONE I (640H)

TOWNSHIP 140 NORTH, RANGE 97 WEST, 5TH PM

ALL OF SECTIONS 2, 5, 6 AND 11.

ZONE II (1280H-STANDUP)

TOWNSHIP 140 NORTH, RANGE 97 WEST, 5TH PM

ALL OF SECTIONS 1, 3, 4, 7, 8, 9, 10, 12, 15, 16, 17, 18, 21 AND 22.

(29) The Dutch Henry Butte-Bakken Pool is hereby redefined as that accumulation of oil and gas found in the interval from 100 feet above the top of the Bakken Formation to 100 feet below the top of the Three Forks Formation within the limits of the field as set forth above.

(30) The proper spacing for the development of Zone I in the Dutch Henry Butte-Bakken Pool is hereby set at one horizontal well per 640 acres.

(31) All portions of the well bore not isolated by cement of any horizontal well hereafter drilled in Zone I in the Dutch Henry Butte-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.

(32) Spacing units hereafter created in Zone I in the Dutch Henry Butte-Bakken Pool shall consist of a governmental section.

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

(34) The proper spacing for the development of Zone II in the Dutch Henry Butte-Bakken Pool is hereby set at one horizontal well per 1280 acres.

(35) All portions of the well bore not isolated by cement of any horizontal well hereafter drilled in Zone II in the Dutch Henry Butte-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.

(36) Sections 1 and 12; Sections 3 and 10; Sections 4 and 9; Sections 7 and 18; Sections 8 and 17; Sections 15 and 22; and Sections 16 and 21, Township 140 North, Range 97 West, Stark County, North Dakota, are hereby designated 1280-acre spacing units in Zone II in the Dutch Henry-Bakken Pool.

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

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

(39) The operator of any horizontally drilled well in the Dutch Henry Butte-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.

(40) 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 Dutch Henry Butte-Bakken Pool.

(41) 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 Dutch Henry Butte-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 Dutch Henry Butte-Bakken Pool as the Commission deems appropriate.

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

(43) The following rules concerning the casing, tubing and equipping of wells shall apply to the subsequent drilling and operation of wells in the Dutch Henry Butte-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. However, any wells re-entered for the purpose of drilling a horizontal lateral within the Bakken Pool, shall be allowed to be completed open hole no higher than the top of the Lodgepole Formation. Sufficient cement shall be used and applied in such manner to protect and isolate all formations containing oil and/or gas, protect the pipe through salt sections encountered, and to 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 shall have 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.

(44) 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 Dutch Henry Butte-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 7800 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.

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

(46) The Eleanore #1-5 well, located in the SW/4 SW/4 of Section 5, Township 140 North, Range 97 West, Stark County, North Dakota, shall be allowed to produce at a maximum efficient rate.

(47) All other wells in the Dutch Henry Butte-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.

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

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

Dated this 8th day of February, 2011.

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA

By the Director, on behalf of the Commission

/s/ Lynn D. Helms, Director

STATE OF NORTH DAKOTA

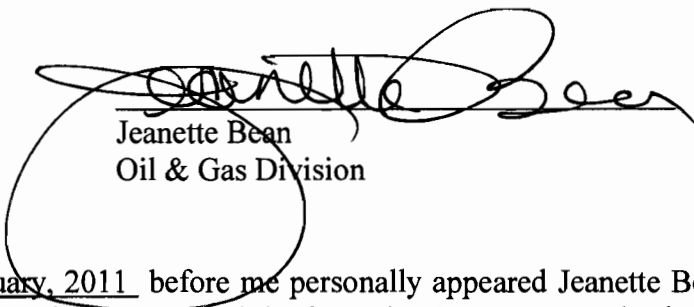
AFFIDAVIT OF MAILING

COUNTY OF BURLEIGH

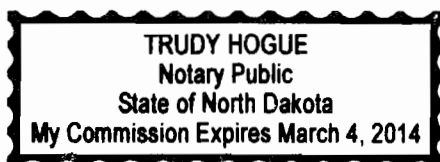
I, Jeanette Bean, being duly sworn upon oath, depose and say: That on the 11th day of February, 2011 enclosed in separate envelopes true and correct copies of the attached Order No. 15287 of the North Dakota Industrial Commission, and deposited the same with the United States Postal Service in Bismarck, North Dakota, with postage thereon fully paid, directed to the following persons by the Industrial Commission in Case No. 13020:

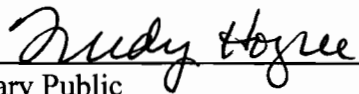
JOHN MORRISON
CROWLEY FLECK PLLP
PO BOX 2798
BISMARCK ND 58502-2798

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


Jeanette Bean
Oil & Gas Division

On this 11th day of February, 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.




Notary Public
State of North Dakota, County of Burleigh

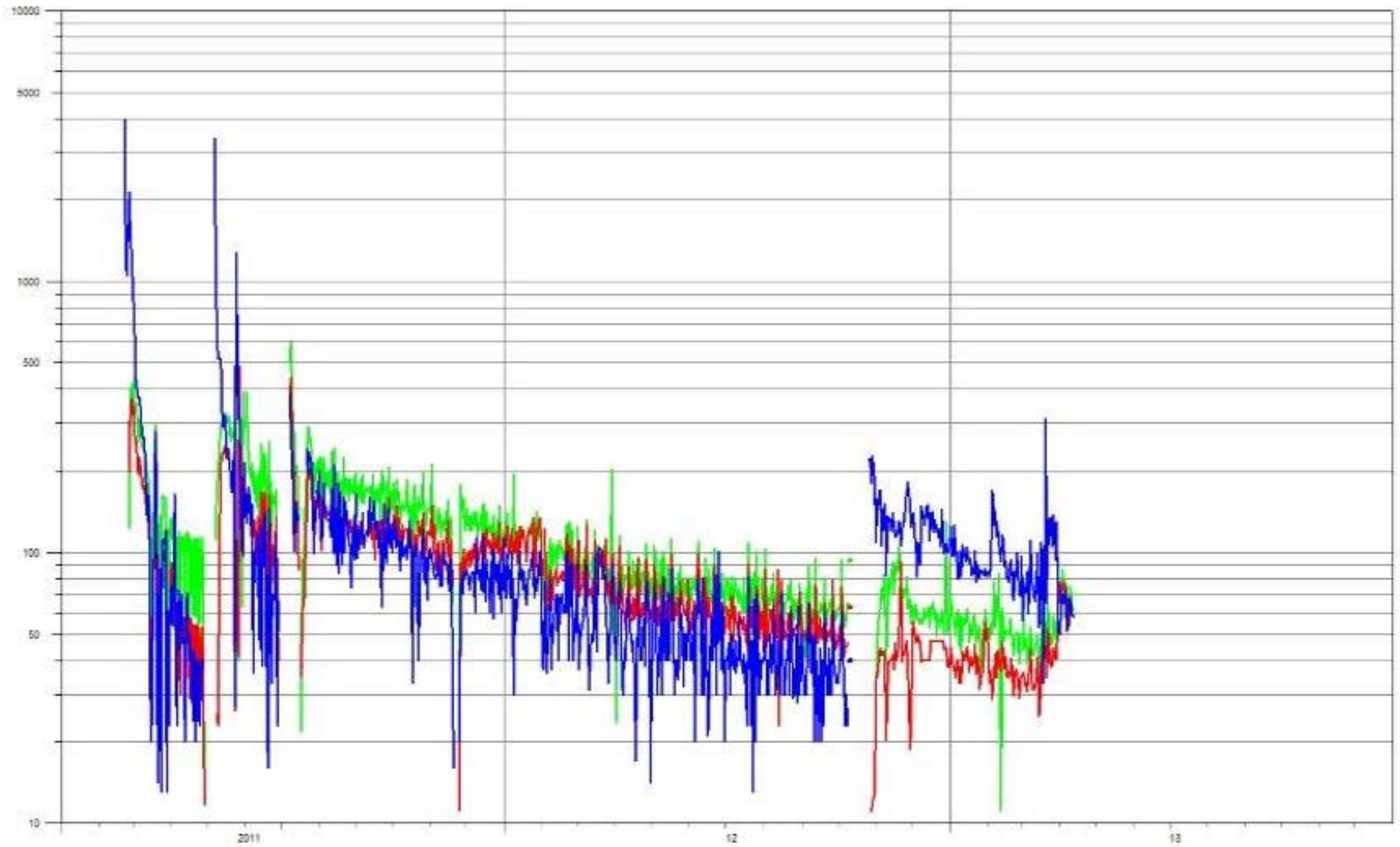
Kadrmass, Bethany R.

From: Katie Langford <Katie.Langford@whiting.com>
Sent: Monday, April 22, 2013 12:29 PM
To: Kadrmass, Bethany R.
Subject: Emailing: Brueni 28-1H Daily Prod Graph.jpg, Brueni 28-1H Gas 3-30-11.pdf, Brueni 28-1H Oil, Water.pdf, Order 15649 Engr Exh Green River-Bakken Data Submittal.xlsm
Attachments: Brueni 28-1H Daily Prod Graph.jpg; Brueni 28-1H Gas 3-30-11.pdf; Brueni 28-1H Oil, Water.pdf; Order 15649 Engr Exh Green River-Bakken Data Submittal.xlsm

Katie Langford
Operations Engineering Tech
Whiting Petroleum Corporation
303-495-6705 Direct | Ext. 1639

BRUENI 28-1H (BAKKEN)
Location: 700NE 28 - 140N - 50W
State: North Dakota County: STARK

OilProd (bbl/d) Cum Oil Prod : 81.0 Mboi
GasProd (Mcf/d) Gas Daily Cum : 61.5 MMcf
WaterProd (bbl/d) Cum Water Prod : 85.85 Mbbi



ASTRO-CHEM LAB, INC.

4102 2nd Ave. West

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

Phone: (701) 572-7355

NATURAL GAS ANALYSIS

COMPANY Whiting Oil & Gas

DATE OF ANALYSIS 3-30-11

LEASE Brueni 28-1 TFH

DATE SAMPLED 3-28-11

TEMPERATURE 116 °F

SAMPLE SOURCE

PRESSURE 26 PSI

SAMPLE NUMBER G-11-1233

SAMPLED BY

TYPE OF ANALYSIS GAS

ANALYSIS BY BK

FORMATION

INTERVAL

LOCATION

SECTION

TOWNSHIP

RANGE

DISTRIBUTION Scott Chelgren

COMPONENT	MOLE %	GPM
Nitrogen	2.25	0.000
Methane	47.45	0.000
Carbon Dioxide	0.72	0.000
Ethane	19.34	5.164
H2S	0.00	0.000
Propane	16.99	4.659
i-Butane	2.35	0.766
n-Butane	6.30	1.978
i-Pentane	1.27	0.462
n-Pentane	1.66	0.598
Hexanes+	1.67	0.731
Oxygen/Argon	0.00	0.000
Total	100.00	14.357

CALCULATED SPECIFIC GRAVITY 1.0592 (Air =1.0000)

CALCULATED GROSS BTU/ft³ 1715 (Saturated) 1745 (Dry) at 14.73 psi and 60°F

REMARKS

ASTRO-CHEM LAB, INC.

4102 2nd Ave. West

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

Phone: (701) 572-7355

OIL ANALYSIS REPORT

SAMPLE NUMBER 0-11-0842 DATE OF ANALYSIS 3-14-11

COMPANY Whiting Oil & Gas

CITY Dickinson STATE ND

WELL NAME Brueni 28-1 TFH

DATE RECEIVED 3-8-11 DST NUMBER

SAMPLE SOURCE

FORMATION DEPTH

LOCATION SECTION TOWNSHIP RANGE

DISTRIBUTION Scott Chelgren

Specific Gravity : 0.8081 at 60/60 °F

API Gravity : 43.6 at 60 °F

Salt Content : 5 lbs/1000 bbls

Pour Point : <-40 °F

Viscosity : 2.25 Kinematic cSt at 100 °F
 33.5 Saybolt Universal Seconds at 100 °F

Total Sulfur : 0.10 % by Weight

BS&W : 0.1 % in Gross Sample
 0.1 % in Sample as Analyzed

Paraffin : 2.66 % by Weight

REMARKS Sampled 3-8-11

ANALYZED BY:



ASTRO-CHEM LAB, INC.

4102 2nd Ave. W.

Williston, ND 58802-0972
P.O. Box 972

Phone: (701) 572-7355

DISTILLATION REPORT

Sample Number O-11-0842

Date Analyzed 3/15/11

Whiting Oil & Gas

Dickinson

ND

City

State

Brueni 28-1 TFH

Source

Well Name

Formation

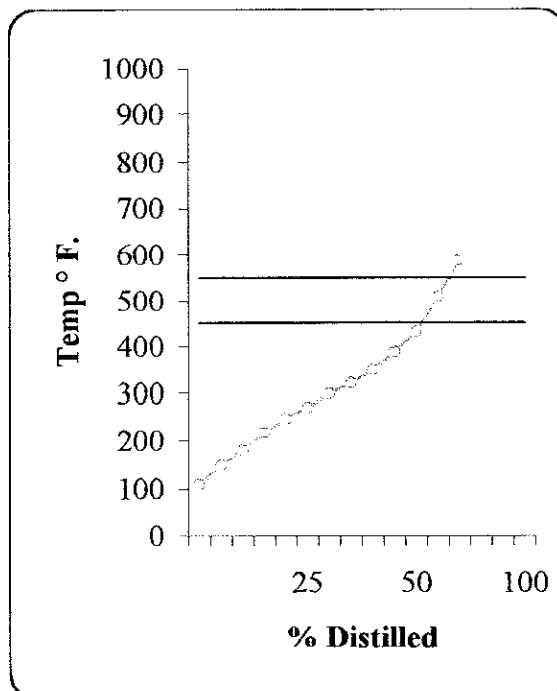
Depth

ENGLER DISTILLATION; 100 mL SAMPLE

INITIAL BOILING POINT 111° F

REMARKS:

mL Distilled	Temp ° F.	% Distilled
IBP	111	
5	150	5
10	181	10
15	220	15
20	248	20
25	272	25
30	300	30
35	324	35
40	351	40
45	389	45
50	432	50
60	510	60
70	589	70
80		80
90		90
100		100



ASTRO-CHEM LAB, INC.

4102 2nd Ave. West

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

Phone: (701) 572-7355

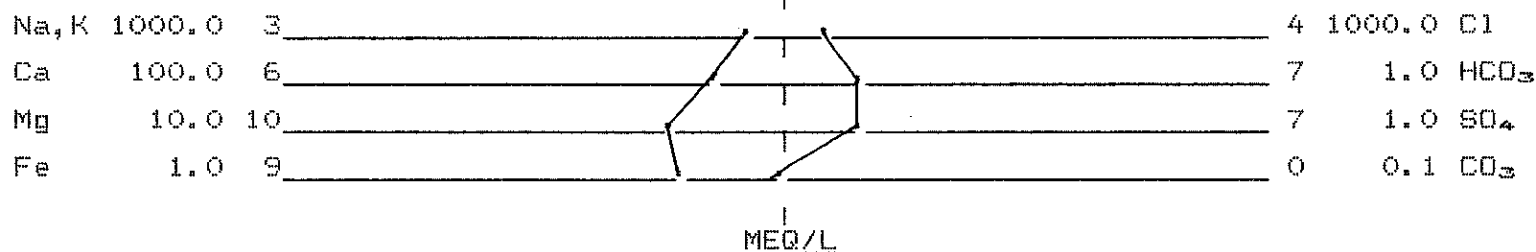
WATER ANALYSIS REPORT

SAMPLE NUMBER W-11-0843 DATE OF ANALYSIS 3-11-11
COMPANY Whiting Oil & Gas
CITY Dickinson STATE ND
WELL NAME AND/OR NUMBER Brueni 28-1 TFH
DATE RECEIVED 3-8-11 DST NUMBER
SAMPLE SOURCE
LOCATION OF SEC. TWN. RANGE COUNTY
FORMATION DEPTH
DISTRIBUTION Scott Chelgren

RESISTIVITY @ 77°F = 0.046 Ohm-Meters pH = 6.43
SPECIFIC GRAVITY @ 77°F = 1.155 H₂S = Negative
TOTAL DISSOLVED SOLIDS (CALCULATED) = 215942 mg/L (186963 ppm)
SODIUM CHLORIDE (CALCULATED) = 212144 mg/L (183675 ppm)

CATION	MEQ/L	mg/L	ANION	MEQ/L	mg/L
CALCIUM	620.0	12301	CHLORIDE	3628.8	128652
MAGNESIUM	100.0	1111	CARBONATE	0.0	0
SODIUM	2927.4	67300	BICARBONATE	6.6	403
IRON	8.9	166.0	SULFATE	7.0	335
CHROMIUM	0.0	0.3	NITRATE	0.0	0
BARIUM	0.5	34.0			
POTASSIUM	144.3	5640			

WATER ANALYSIS PATTERN



REMARKS

ANALYZED BY: C. Jungels

GREEN RIVER-BAKKEN POOL
STARK COUNTY, NORTH DAKOTA

Initial Well

Well Name	Brueni 28-1H
Surface Location	NENW
	28, 140N-98W
NDIC File No	19562
API No	33-089-00595
Spud Date	10/30/2010
Date of 1st Production	2/23/2011

Reservoir Description:

Formation	Bakken
Age	Mississippian / Devonian
Lithology	Dolomite / Shale
Depth, ft	10,500' TVD
Thickness, ft	32' net (effective)
Primary Drive Mechanism	Solution gas Drive
Well Spacing / Drainage Area, ac	1280

Reservoir Rock Properties:

Avg Porosity, %	4.4
Avg Permeability, md	0.18 est
Sw, %	20
Reservoir Temperature, *F	250
Orig. Btm Hole Pressure, psig	6000 est

Performance Data:

Cumulative Recovery	STBO	81,153
	MCF	62,058
	BW	86,114
	As of (Date)	4/17/2013

OOIP, MSTBO/1280 Acres	7700
Est Ultimate Recovery, MSTBO	300
Recovery of OOIP, %	3.9%

Per Well Economics (Single Lateral):

Initial Potential, STBO/D	550
MCF/D	605
Investment, \$M	\$7,500
Ultimate Recovery, MSTBOE	355.3
Pricing Assumptions, Oil-\$/BO	\$87.00
Gas-\$/Mcf	\$4.25
Net Income (8/8ths), \$M	\$4,110
Rate of Return, %	25.0%
Payout, yrs	3.2

Reservoir Fluid Properties:


Oil gravity, °API (@60°F)	43.6
Gas Gravity, sg Air = 1	1.059
GOR, scf/stb	765
Gas BTU	1715
Formation Water Salinity, ppm	183,675
Bubble Point Pressure, psig	3500 est
Boi, RB/STB	1.45 est

Wellbore Construction:

Surface Csg:	9-5/8" set at +/- 2,095'
Intermediate Csg:	7" 26, 29 & 32# HCL-80 set @ +/- 10,775' (@ 90° in lateral)
Total Depth:	20,000' MD
Production Liner:	4-1/2" 11.6# L-80 set @ TD
Production Method:	Rod Pump

Fluid Disposition:

Oil	Sold, pipelined to oil terminal
Gas	Sold, pipelined & processed @ plant
Water	Pipelined to SWD

 Whiting Oil and Gas Corporation	
NDIC Order # 15649	
Engineering Data - Initial Well	
Jeff Carlson	April 26, 2013

TELEPHONIC COMMUNICATION AFFIDAVIT
Industrial Commission of North Dakota
Oil and Gas Division
600 East Boulevard, Dept. 405
Bismarck, ND 58505-0840



This affidavit is made to comply with North Dakota Administrative Code Section 43-02-03-88.2.

I, Tom Sirola, do hereby confirm that I presented testimony under oath in North Dakota Industrial Commission Case Numbers 13018, 13019, 13020, & 13021 on July 29, 2010. My testimony was presented by telephone from (303)390-1600, Whiting Oil & Gas Corporation, 1700 Broadway, Ste. 2300, Denver, Colorado 80290-2300.

(Affiant's Signature)

STATE OF COLORADO)
) ss.
 COUNTY OF Denver)

On September 27, 2010, Tom Sirola 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.

(SEAL)



Vicki L. Metz
 Notary Public
 State of Colorado, County of Denver
 My Commission Expires: 4/15/2012

TELEPHONIC COMMUNICATION AFFIDAVIT
Industrial Commission of North Dakota
Oil and Gas Division
600 East Boulevard, Dept. 405
Bismarck, ND 58505-0840



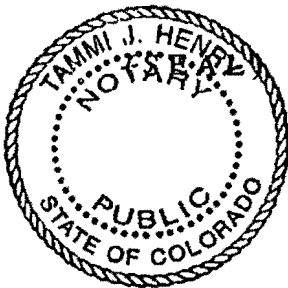
This affidavit is made to comply with North Dakota Administrative Code Section 43-02-03-88.2.

I, Christopher Niedz, do hereby confirm that I presented testimony under oath in North Dakota Industrial Commission Case Numbers 13018, 13019, 13020, & 13021 on July 29, 2010. My testimony was presented by telephone from (303)390-1600, Whiting Oil & Gas Corporation, 1700 Broadway, Ste. 2300, Denver, Colorado 80290-2300.

(Affiant's Signature)

STATE OF COLORADO)
) ss.
 COUNTY OF Denver)

On Sept. 27, 2010, Christopher Niedz known to me to be the person described in and who executed the foregoing instrument, personally appeared before me and acknowledged that he executed the same as a free act and deed.



Notary Public
 State of Colorado, County of Denver
 My Commission Expires: 12-02-12

TELEPHONIC COMMUNICATION AFFIDAVIT**Industrial Commission of North Dakota****Oil and Gas Division****600 East Boulevard, Dept. 405****Bismarck, ND 58505-0840**

This affidavit is made to comply with North Dakota Administrative Code Section 43-02-03-88.2.

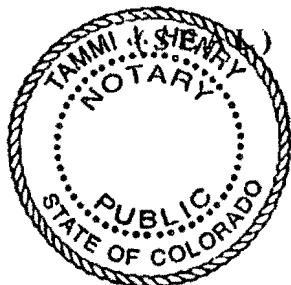
I, Orion Skinner, do hereby confirm that I presented testimony under oath in North Dakota Industrial Commission Case Numbers 13018, 13019, 13020, & 13021 on July 29, 2010. My testimony was presented by telephone from (303)390-1600, Whiting Oil & Gas Corporation, 1700 Broadway, Ste. 2300, Denver, Colorado 80290-2300.

(Affiant's Signature)

STATE OF COLORADO)

) ss.
COUNTY OF Denver)

On Sept. 27, 2010, Orion Skinner, known to me to be the person described in and who executed the foregoing instrument, personally appeared before me and acknowledged that he executed the same as a free act and deed.



Notary Public

State of Colorado, County of Denver

My Commission Expires: 12-02-12



Whiting Oil and Gas Corporation

LOCATOR MAP
NDIC Cases #13018-13021

T. SIROLA

EXHIBIT #1

MCKENZIE

DUNN

BILLINGS

T140N
R98W

T140N
R97W

T139N
R99W

T139N
R98W

T139N
R97W
STARK

T138N
R98W

T138N
R97W

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA
CASE NO. 13018-21
Whiting
Sirola

**NDIC CASES
13020 & 13021**

**APPROVED SPACING
ORDER 14381**

3/10/2010

140N/100W

140N/99W

140N/98W

52.34

65.47

65.82

43.88

44.33

60.23

47.21

140N/97W

**NDIC CASE
13019**

139N/100W

50.00

74.74

49.50

139N/99W

34.39

20.49

73.47

139N/98W

DATE 7/29/10

CASE NO. 13018-21

Introduced By Whiting

Exhibit 2

Identified By Sirola

139N/97W

NDIC CASE 13018

32.13

40.80

44.34

50.00

69.50

32.96

28.01

138N/97W

138N/98W



Whiting Oil and Gas Corporation

Whiting Average Working
Interest for proposed 1280
Acre Drilling Units
NDIC Case #13018-13021

T. SIROLA

EXHIBIT #2

Whiting Oil and Gas Corporation

Structure Map on top
Sanish/Three Forks
C.I. = 20 Feet
NDIC Cases #13018-13021

O. SKINNER

EXHIBIT #3

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA

DATE 7/29/10 CASE NO. 13018-21

Introduced By Whiting
Exhibit 3
Identified By Skinner

NDIC CASES
13020 & 13021

NDIC CASE
13019

NDIC CASE 13018

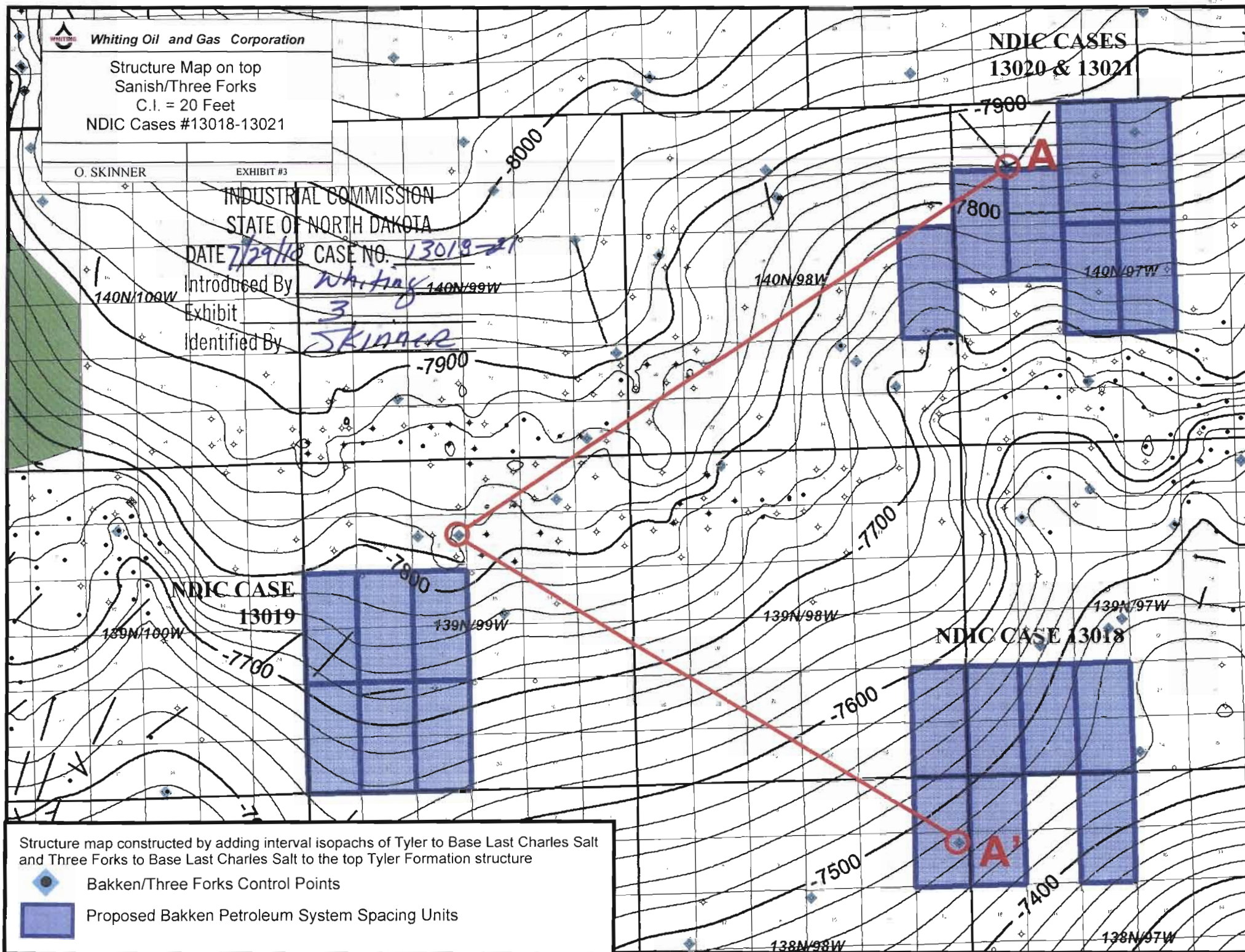
Structure map constructed by adding interval isopachs of Tyler to Base Last Charles Salt and Three Forks to Base Last Charles Salt to the top Tyler Formation structure



Bakken/Three Forks Control Points



Proposed Bakken Petroleum System Spacing Units



A

A'

33089005690000

63441 ft

33089002430000

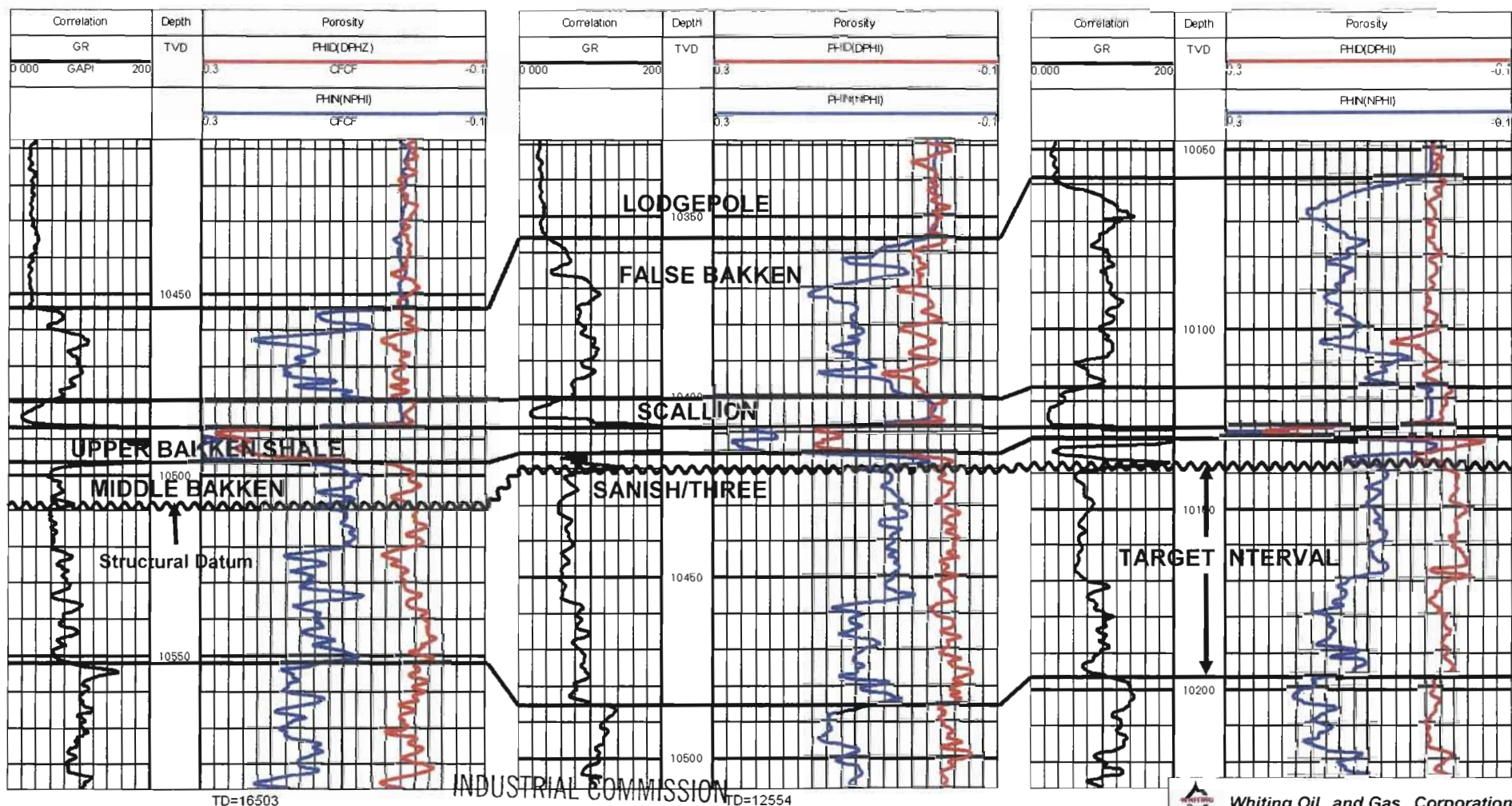
56508 ft

33089004890000

CONTINENTAL RES CORP
ELEANORE 1-5
415 FSL 160 FWL
TWP: 140 N - Range: 97 W - Sec. 5

MONSANTO CO ETAL
FROELICH 1
1980 FNL 660 FEL
TWP: 139 N - Range: 99 W - Sec. 9

DUNCAN OIL CO INC
DUKART 1-12
1000 FNL 1020 FEL
TWP: 138 N - Range: 98 W - Sec. 12



ST ANTHONY - BAKKEN POOL & UNDESIGNATED FIELD
STARK COUNTY, NORTH DAKOTA

Location:

T/R - S

T140N / R97W - Sec 3 & 10, 4 & 9, 7 & 18, 8 & 17, 16 & 21, 15 & 22
(Stark County)

T140N / R98W - Sec 13 & 24, 16 & 21
(Stark County)

T139N / R97W - Sec 28 & 33, 29 & 32, 30 & 31
(Stark County)

T138N / R97W - Sec 4 & 9, 6 & 7
(Stark County)

T138N / R98W - Sec 1 & 12
(Stark County)

T139N / R98W - Sec 25 & 36
(Stark County)

Reservoir:

Formation	Bakken
Age	Mississippian / Devonian
Lithology	Dolomite / Shale
Depth, ft.	10500' TVD
Thickness, ft	35' (effective)
Primary Drive Mechanism	Solution gas Drive
Well Spacing, acres	1280

Reservoir Rock Properties:

Avg. Porosity, %	4.5
Sw, %	25

Reservoir Fluid Properties:

Oil gravity, °API	42
Gas Gravity	0.9
GOR	850
Formation Water Salinity, ppm	250,000

Reservoir Properties:

Reservoir Temperature, °F	240
Org. Bottom Hole Pressure, psig	6000
Boi, RB/STB	1.2
OOIP, MSTBO / 1280 Acres	9775
Est. Ultimate Recovery, MSTBO	500
(% recovery of OOIP)	5.1%

Fluid Disposition:

Oil	Sold
Gas	Sold
Water	Hauled to Disposal Well


INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA

DATE 7/29/10 CASE NO. 13018-13021

Introduced By Whiting

Exhibit 5


Identified By Niedz

 Whiting Oil and Gas Corporation	
NDIC Case #'s 13018 - 13021 Reservoir Data	
	July 28, 2010
Jeff Carlson/Chris Niedz	Exhibit 5

ST DEMETRIUS - BAKKEN POOL
BILLINGS & STARK COUNTIES, NORTH DAKOTA

Economics: Grass Roots - Single Lateral

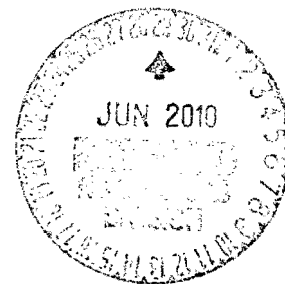
Initial Potential, STBO	600 BOPD / 480 MCFD
Ultimate recovery	500,000 STBO / 400,000 MCF
Investment	\$6,000,000
Monthly Operating Costs	\$7,000
Royalty	80.0%
Pricing Assumptions	\$73.58 \$/bbl avg \$4.55 \$/mcf avg
Net Revenue (8/8ths)	\$29,177,000
Net Opr Expense (8/8ths)	\$3,010,000
Net Taxes (8/8ths)	\$3,418,000
Net Income (8/8ths)	\$17,758,000
Rate of Return	100%
Payout, yrs	1.95
Project Life, yrs	37
Return on Investment	4.01

 Whiting Oil and Gas Corporation	
NDIC Case #13018 - 13021 Economics	
	July 28, 2010
Jeff Carlson/Chris Niedz	Exhibit 6

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA
DATE 7/29/10 CASE NO. 13018-21
Introduced By Whiting
Exhibit 6
Identified By Niedz

Case 13020

BEFORE THE INDUSTRIAL COMMISSION
OF THE STATE OF NORTH DAKOTA



In the matter of the application of Whiting Oil & Gas Corp. for an order extending the outline of the St. ~~Anthony~~ field and amending the applicable orders for the ~~St. Anthony~~-Bakken pool so as to establish 1280-acre spacing units consisting of Sections 3 and 10, 4 and 9, 7 and 18, 8 and 17, 16 and 21, and 15 and 22, T. 140 N., R. 97 W., and Sections 13 and 24, T. 140 N., R. 98 W., all in Stark County, North Dakota, or for such other relief as may be appropriate.

) Dutch Henry
) Butte
) **APPLICATION**

COMES NOW the applicant, Whiting Oil & Gas Corp., and respectfully alleges as follows:

1. It is the owner of an interest in the oil and gas leasehold estate underlying all or portions of Sections 3, 4, 7, 8, 9, 10, 15, 16, 17, 18, 21 and 22, Township 140 North, Range 97 West, and Sections 13 and 24, Township 140 North, Range 98 West, all in Stark County, North Dakota.

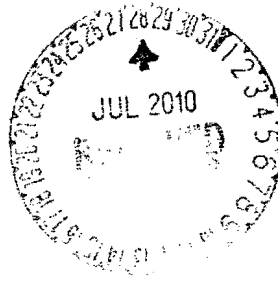
2. Said lands are adjacent to the boundary of the St. Anthony field. In applicant's opinion, the Bakken pool underlying said lands is part of the same common source of supply currently producing in the St. Anthony-Bakken pool. Applicant therefore requests that the outline of the Ray field be expanded to include all of Sections 3, 4, 7, 8, 9, 10, 15, 16, 17, 18, 21 and 22 and Sections 13 and 24.

3. Applicant intends to develop said lands by drilling horizontal wells and believes the flexibility afforded by 1280-acre spacing units is essential. Applicant therefore requests that the said Sections 3 and 10, 4 and 9, 7 and 18, 8 and 17, 15 and 22, 16 and 21 and 13 and 24 be designated as 1280-acre spacing units within the St. Anthony-Bakken pool. In applicant's opinion, such will protect correlative rights, prevent waste and prevent the drilling of unnecessary wells.

2

Affidavit of Publication

The Dickinson Press
Dickinson, North Dakota



6

STATE OF NORTH DAKOTA)
County of Stark) ss

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

Cases 13018-13022

a printed copy of which is hereunto annexed, was printed and published in The Dickinson Press, and in the regular and entire issue of each and every number for 1 consecutive weeks, commencing on the 8 day of July A.D. 2010 and ending on the 8 day of July A.D. 2010, both inclusive.

Straight Matter Lines 87, 2010

First Time Line Rates 0.70 8-Jul, 2010

Subsequent Line Rates 0.70, 2010

Column Inches _____, 2010

First Time Inch Rate \$7.57, 2010

Subsequent Inch Rate \$7.57, 2010

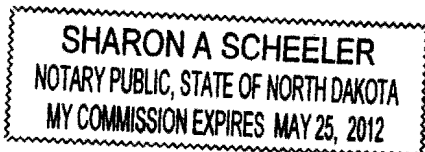
Total Cost of Legal \$ 60.90

Sonya Sacks
Subscribed and sworn to before me this 27th day of July A.D. 2010.

(Seal) Sharon A Scheeler

Notary Public, State Of North Dakota

My Commission Expires _____



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

The North Dakota Industrial Commission will hold a public hearing at 9:00 a.m. Thursday, July 29, 2010, 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, July 16, 2010.

STATE OF NORTH DAKOTA TO:
Case No. 13018: Application of Whiting Oil and Gas Corp. for an order establishing seven 1280-acre drilling units described as Sections 28 and 33; Sections 29 and 32; Sections 30 and 31; T.139N., R.97W.; Sections 4 and 9; Sections 6 and 7; T.138N., R.97W.; Sections 1 and 12; T.138N., R.98W.; and Sections 25 and 36; T.139N., R.98W., Stark County, ND, and allowing a horizontal well to be drilled in the Bakken Formation at any location thereon, not closer than 200 feet to the spacing unit boundary offsetting the toe and heel of the well and 500 feet to any other boundary, and such other relief as is appropriate.

Case No. 13019: Application of Whiting Oil and Gas Corp. for an order establishing 1280-acre drilling units described as Sections 16 and 21; Sections 17 and 20; Sections 18 and 19; Sections 28 and 33; Sections 29 and 32; and Sections 30 and 31; T.139N., R.99W., Stark County, ND, and allowing a horizontal well to be drilled in the Bakken Formation at any location

thereon not closer than 200 feet to the spacing unit boundary offsetting the toe and heel of the well and 500 feet to any other boundary, and such other relief as is appropriate.

Case No. 13020: Application of Whiting Oil & Gas Corp. for an order extending the outline of the Dutch Henry Butte Field and amending the applicable orders for the Dutch Henry Butte-Bakken Pool to establish 1280-acre spacing units consisting of Sections 3 and 10; Sections 4 and 9; Sections 7 and 18; Sections 8 and 17; Sections 16 and 21; Sections 15 and 22; T.140N., R.97W.; and Sections 13 and 24; T.140N., R.98W., Stark County, ND, allowing one horizontal well to be drilled in the Bakken Pool, and such other relief as is appropriate.

Case No. 13021: Application of Whiting Oil and Gas Corp. for an order pursuant to NDAC §43-02-03-88.1 pooling all interests in six spacing units for the Dutch Henry Butte-Bakken Pool described as Sections 3 and 10; Sections 4 and 9; Sections 7 and 18; Sections 8 and 17; Sections 16 and 21; Sections 15 and 22; T.140N., R.97W.; and Sections 13 and 24; T.140N., R.98W., Stark County, ND, as provided by NDCC §38-08-08, and such other relief as is appropriate.

Case No. 13022: Application of Whiting Oil and Gas Corp. for an order establishing a 1280-acre drilling unit described as Sections 16 and 21; T.140N., R.98W., Stark County, ND, and allowing a horizontal well to be drilled in the Bakken Formation at any location thereon not closer than 200 feet to the spacing unit boundary offsetting the toe and heel of the well and 500 feet to any other boundary, and such other relief as is appropriate.

Signed by,
John Hoeven, Governor
Chairman, ND Industrial Commission
(Published July 8, 2010)

The Bismarck Tribune

www.bismarcktribune.com

The Finder

Classified Advertising Invoice

Bismarck Tribune
PO BOX 4001
LaCrosse, WI 54602-4001
In State 701-250-8218
Toll free 800-472-2273

July 29th
X 69

OIL & GAS DIVISION

600 E BLVD AVE #405
BISMARCK ND 58505

Customer: [REDACTED]
Phone: (701) 328-8020
Date: 07/07/2010

CREDIT CARD PAYMENT (circle one)



Card #: _____
Exp Date: _____
Signature: _____
Credit card users: Fax to 701-223-6584

CashAmt

PLEASE DETACH AND RETURN TOP PORTION WITH YOUR PAYMENT

Date	Date	Times Run	Description	Lines	Class Code	Order Amt	Net Amt Due
07/07/10	07/07/10	1	Bismarck Tribune PO: Notice of Hearing	889.00	Legals	675.64	675.64

Affidavit of Publication
State of North Dakota) SS County of Burleigh
Before me, a Notary Public for the State of North Dakota
personally appeared CK who being duly sworn, deposes
and says that he (she) is the Clerk of Bismarck Tribune Co.,
and that the publication(s) were made through the
Bismarck Tribune on the following dates
7/7 Signed Gregory P. Ziegler
sworn and subscribed to before me this 11th
day of July 2010
Notary Public in and for the State of North Dakota



GREGORY P. ZIEGLER
Notary Public
State of North Dakota
My Commission Expires July 22, 2015

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

Remarks: _____ Total Due: 675.64

Bismarck Tribune
www.bismarcktribune.com
PO BOX 4001
LaCrosse, WI 54602-4001

Terms: PAYMENT IS DUE UPON RECEIPT OF INVOICE

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, July 29, 2010, 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, July 16, 2010.

STATE OF NORTH DAKOTA TO:

Case No. 12965: Proper spacing for the development of the Forthun-Bakken Pool, Burke and Divide Counties, ND, redefine the field limits, and enact such special field rules as may be necessary. Hess Corp.

Case No. 12966: Application of Hess Corp. for an order extending the boundaries and amending the applicable orders for either the Manitou, or Alkali Creek-Bakken Pool (1) to either establish three 2560-acre spacing units consisting of Sections 1, 12, 13 and 24; Sections 17, 20, 29, and 32, and Sections 14, 23, 26, and 35, T.155N., R.94W., Mountrail County, ND, and allow up to six wells to be drilled on each such spacing unit at any location not closer than 500 feet to the east and west boundary of the spacing unit and 200 feet to the north and south boundary of the spacing unit or alternatively establishing six 1280-acre spacing units consisting of said Sections 1 and 24; Sections 13 and 24; Sections 17 and 20; Sections 29 and 32; Sections 14 and 23, and Sections 26 and 35 and allow up to three wells to be drilled on each such 1280-acre spacing unit with the same setback and in such manner that the "heel" of each well may be located as close as 50 feet to the boundary of the spacing unit, with well on either a 2560-acre spacing unit or 1280-acre spacing unit allowed to be drilled without regard to the Commission's 1220-foot setback or tool error policy; or alternatively establishing a 1280-acre spacing unit consisting of Sections 13 and 24, T.155N., R.94W., and allowing up to three wells to be drilled on such 1280-acre spacing unit at any location not closer than 500 feet to the east or west boundaries or 200 feet to the north or south boundaries of the spacing unit and without regard to the Commission's 1220-foot setback or tool error policy, and such other relief as is appropriate.

Case No. 12967: Application of Hess Corp. for an order amending the applicable orders for the Big Butte-Bakken Pool to either establish one 2560-acre spacing unit consisting of Sections 13, 24, 25, and 32, T.157N., R.94W., Mountrail County, ND, and allow up to six wells to be drilled on such spacing unit at any location not closer than 500 feet to the east and west boundary of the spacing unit and 200 feet to the north and south boundary of the spacing unit or alternatively establishing two 1280-acre spacing units consisting of said Sections 13 and 24; and Sections 25 and 32 and allow up to three wells to be drilled on such 1280-acre spacing unit, and further allow three wells to be drilled in the same manner on an existing 1280-acre spacing unit described as Sections 4 and 9, T.156N., R.94W., all in such manner that the "heel" of each well may be located as close as 50 feet to the boundary of the spacing unit, with wells on either a 2560-acre spacing unit or 1280-acre spacing unit allowed to be drilled without regard to the Commission's 1220-foot setback or tool error policy, and such other relief as is appropriate.

Case No. 12968: Application of Hess Corp. for an order amending the applicable orders for the Manitou-Bakken Pool to allow up to three wells to be drilled on a spacing unit described as Sections 18 and 19, T.155N., R.94W., Mountrail County, ND, at any location not closer than 500 feet to the east and west boundaries of the spacing unit or 200 feet to the north and south boundaries of the spacing unit, with regard to the Commission's 1220-foot setback or tool error policy, and such other relief as is appropriate.

Case No. 12969: Application of Hess Corp. for an order amending the applicable orders for the Alkali Creek-Bakken Pool to allow up to three wells to be drilled on five spacing units described as Sections 3 and 10; Sections 4 and 9; Sections 5 and 8, T.154N., R.94W.; Sections 27 and 34; and Sections 28 and 33, T.155N., R.94W., Mountrail County, ND, at any location not closer than 500 feet to the east and west boundaries or 200 feet to the north and south boundaries of the spacing unit, without regard to the Commission's 1220-foot setback or tool error policy, and such other relief as is appropriate.

Case No. 12970: Application of Hess Corp. for an order extending the outline and amending the applicable orders for the Robinson Lake-Bakken Pool to (1) establish two 1280-acre spacing units consisting of Sections 11 and 14; and Sections 23 and 24, T.154N., R.93W., Mountrail County, ND; (2) allow up to three wells to be drilled on each such 1280-acre spacing unit and eight other 1280-acre spacing units described as Section 36, T.155N., R.93W. and Section 1, T.154N., R.93W.; Section 35, T.155N., R.93W. and Section 2, T.154N., R.93W.; Sections 3 and 10; Sections 4 and 9; Sections 5 and 8; Sections 12 and 13; Sections 15 and 22; Sections 26 and 35, T.154N., R.93W., Mountrail County, ND, all in such manner that the "heel" of each well may be located as close as 50 feet to the boundary of the spacing unit and the toe as close as 200 feet to the boundary of the spacing unit and without regard to the Commission's 1220-foot setback or tool error policy, and such other relief as is appropriate.

Case No. 12971: Application of Hess Corp. for an order extending the boundaries and amending the applicable orders for the Toga-Bakken Pool to either establish one 2560-acre spacing unit consisting of Sections 5, 8, 17, and 20, T.157N., R.94W., Mountrail County, ND, and allow up to six wells to be drilled on such spacing unit at any location not closer than 500 feet to the east and west boundaries of the spacing unit and 200 feet to the north and south boundaries of the spacing unit or alternatively allowing up to three wells to be drilled on one existing 1280-acre spacing unit consisting of said Sections 5 and 8 and a new spacing unit consisting of Sections 17 and 20 in such manner that the "heel" of each well may be located as close as 50 feet to the boundary of the spacing unit, with wells on either a 2560-acre spacing unit or 1280-acre spacing unit allowed to be drilled without regard to the Commission's 1220-foot setback or tool error policy, and such other relief as is appropriate.

Case No. 12972: Application of Hess Corp. for an order amending the applicable orders for the White Earth-Bakken Pool to allow up to three wells to be drilled on a spacing unit described as Sections 4 and 9, T.157N., R.94W., Mountrail County, ND, at any location not closer than 500 feet to the east and west boundaries or 200 feet to the north and south boundaries, without regard to the Commission's 1220-foot setback or tool error policy, and such other relief as is appropriate.

Case No. 12973: Application of Hess Corp. for an order establishing a drilling unit consisting of Sections 29 and 32, T.157N., R.94W., Mountrail County, ND, and allow up to three wells to be drilled in the Bakken formation at any location not closer than 500 feet to the unit boundary except that the toe and heel should be allowed to be located 200 feet from the boundary of the drilling unit, without regard to the Commission's 1220-foot setback or tool error policy, and such other relief as is appropriate.

Case No. 12974: Application of Hess Corp. for an order allowing up to three horizontal wells to be drilled on a drilling unit or spacing unit described as Sections 26 and 35, T.156N., R.94W., Mountrail County, ND, with said wells allowed to be drilled at any location not closer than 500 feet to the east and west unit boundary and 200 feet to the north and south unit boundary, and without regard for the Commission's tool error policy, and such other relief as is appropriate.

Case No. 12975: Application of Hess Corp. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Westberg-Bakken Pool, Sections 17 and 20, T.152N., R.96W., McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 12975: Proper spacing for the development of the Four Bears-Bakken Pool, McKenzie and Mountrail Counties, ND, redefine the field limits, and enact such special field rules as may be necessary. Petro-Hunt, LLC; Peak ND LLC.

Case No. 12976: Application of Petro-Hunt, LLC. for an order amending the applicable orders for the Charlson-Bakken Pool to create a 2560-acre spacing unit consisting of Sections 1 and 12, T.153N., R.95W. and Sections 6 and 7, T.153N., R.94W., McKenzie County, ND, and allow up to two additional wells to be drilled on such spacing unit, and such other relief as is appropriate.

Case No. 12977: Application of Petro-Hunt, LLC. for an order amending the applicable orders for the Charlson-Bakken Pool to include Sections 4 and 9; and Sections 15 and 22, T.153N., R.95W., McKenzie County, ND in Zone III, for which spacing has been established on the basis of up to three horizontal wells per 1280-acres, or for such other and further relief as may be appropriate.

Case No. 12978: Application of Petro-Hunt, LLC. for an order allowing up to seven horizontal wells to be drilled on each of four spacing units within Zone IV of the Clear Creek-Bakken Pool described as Sections 14 and 23; Sections 26 and 35; Sections 28 and 33, T.152N., R.96W.; and Sections 3 and 10, T.151N., R.96W., McKenzie County, ND, without regard to the Commission's tool error policy, and for such other and further relief as may be appropriate.

Case No. 12979: Application of Petro-Hunt, LLC. for an order extending the field boundaries and amending the orders for the Burg-Bakken Pool, to establish 1280-acre spacing units consisting of Section 13 and 24; Sections 25 and 36, T.161N., R.99W.; 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 15 and 22; Sections 16 and 21; Sections 17 and 20; Sections 25 and 36; Sections 26 and 35; Sections 27 and 34; Sections 28 and 33; Sections 29 and 32, T.160N., R.99W., Divide County; and Sections 4 and 9, T.159N., R.99W., Williams County, ND, for the drilling of one horizontal well within each said spacing unit, and such other relief as may be appropriate.

Case No. 12980: Application of Petro-Hunt, LLC. for an order establishing two 1280-acre drilling units consisting of Sections 26 and 35; and Sections 27 and 34, T.151N., R.102W., McKenzie County, ND, and allowing a horizontal well to be drilled in the Bakken Pool at any location thereon not closer than 500 feet to the boundary or 200 feet for the toe and heel, or for such other and further relief as may be appropriate.

Case No. 12981: Temporary spacing to develop an oil and/or gas pool discovered by the Oasis Petroleum North America LLC #5602 11-13H Sandaker, NWNW Section 13, T.156N., R.102W., Williams County, ND, define the field limits, and enact such special field rules as may be necessary.

Case No. 12982: Temporary spacing to develop an oil and/or gas pool discovered by the Oasis Petroleum North America LLC #117H Rebne, Lot 1, Section 7, T.157N., R.92W., Burke County, ND, define the field limits, and enact such special field rules as may be necessary.

Case No. 12983: Application of Oasis Petroleum North America LLC for an order amending the applicable orders for the Cottonwood-Bakken Pool, Mountrail and Burke Counties, ND, to allow all wells to produce oil at an unrestricted rate and flare gas produced in association therewith for an additional six months, and such other relief as is appropriate.

Case No. 12984: Application of Oasis Petroleum North America LLC for an order amending the applicable orders for the Sorkness-Bakken Pool, Mountrail County, ND, to allow all wells to produce oil at an unrestricted rate and flare gas produced in association therewith for an additional six months, and such other relief

as is appropriate.

Case No. 12985: Temporary spacing to develop an oil and/or gas pool discovered by the American Oil and Gas, Inc. #1-25H RonVall, SWSE Section 25, T.156N., R.98W., Williams County, ND, define the field limits, and enact such special field rules as may be necessary.

Case No. 12722: (Continued) Application of American Oil and Gas, Inc. for an order amending the applicable orders for the Bear Creek-Bakken Pool to include Section 15, T.147N., R.96W., Dunn County, ND, within Zone IV, for which spacing has been established on the basis of up to 4 wells per 640-acres, and such other relief as may be appropriate.

Case No. 12986: Application of Marathon Oil Co. for an order amending the applicable orders for the Bailey-Bakken Pool to allow up to four horizontal wells to be drilled on a spacing unit described as Sections 26 and 35, T.146N., R.95W., Dunn County, ND, or for such other and further relief as may be appropriate.

Case No. 12987: Application of Marathon Oil Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Bailey-Bakken Pool described as Sections 30 and 31, T.145N., R.93W., Dunn County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 12988: Application of Marathon Oil Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Bailey-Bakken Pool, Sections 5 and 8, T.144N., R.94W., Dunn County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 12989: Application of Marathon Oil Co. for an order amending the applicable orders for the Redwing Bay-Bakken Pool, McKenzie and Mountrail Counties, ND, to allow up to two horizontal wells to be drilled on each 1280-acre spacing unit in Zone II and each 1600-acre spacing unit in Zone IV, or for such other and further relief as may be appropriate.

Case No. 12990: Application of Marathon Oil Co. for an order amending the applicable orders for the Big Bend-Bakken Pool, Mountrail County, ND, to allow up to two horizontal wells to be drilled on each 1280-acre spacing unit in Zone II, or for such other and further relief as may be appropriate.

Case No. 12991: Application of Marathon Oil Co. for an order amending the applicable orders to create four drilling units consisting of Sections 1 and 2; Sections 3 and 4; Sections 9 and 10; and Sections 11 and 12, T.147N., R.98W., McKenzie County, ND, and allow a horizontal well to be drilled in the Bakken Pool at any location not closer than 500 feet to the boundaries of the drilling unit except that the toe and heel of each well should be allowed to be located as close as 200 feet to the boundaries of the drilling unit, and such other relief as may be appropriate.

and granting such other and further relief as may be appropriate.

Case No. 12364: (Continued) Application of Marathon Oil Co. for an order amending the applicable orders for the Spotted Horn Pool to include Sections 11 and 12, T.162N., R.94W., McKenzie and Mountrail Counties, ND, as a 1280-acre spacing unit, and such other relief as is appropriate.

Case No. 12992: Application of Cornerstone Natural Resources LLC for an order amending the applicable orders for the Lignite-Madison Pool to establish a 320-acre spacing unit described as the W7/2 of Section 10, T.162N., R.91W., Burke County, ND, and allow a horizontal well to be drilled thereon at any location not closer than 500 feet to the boundary of the spacing unit, or for such other and further relief as may be appropriate.

Case No. 12993: Application of Cornerstone Natural Resources LLC for an order extending the outline and amending the applicable orders for the Woburn-Madison Pool to establish three 640-acre spacing units in Zone II described as Sections 12, 13, and 24, T.162N., R.91W., Burke County, ND, or for such other and further relief as may be appropriate.

Case No. 12994: Application of Cornerstone Natural Resources LLC for an order establishing two 640-acre drilling units consisting of Sections 5 and 8, T.163N., R.91W., Burke County, ND and allowing a horizontal well to be drilled thereon in the Bakken Formation at any location not closer than 500 feet to the boundary of the spacing unit except that the toe and heel of any horizontal well should be allowed to be located as close as 200 feet to the boundary of the drilling unit, or for such other and further relief as may be appropriate.

Case No. 12995: Application of Cornerstone Natural Resources LLC for an order establishing two 640-acre drilling units consisting of Sections 25 and 36, T.163N., R.91W., Burke County, ND and allowing a horizontal well to be drilled thereon in the Bakken Formation at any location not closer than 500 feet to the boundary of the spacing unit except that the toe and heel of any horizontal well should be allowed to be located as close as 200 feet to the boundary of the drilling unit, or for such other and further relief as may be appropriate.

Case No. 12996: Application of Cornerstone Natural Resources LLC for an order establishing two 640-acre drilling units consisting of Sections 13 and 24, T.162N., R.91W., Burke County, ND and allowing a horizontal well to be drilled thereon in the Bakken Formation at any location not closer than 500 feet to the boundary of the spacing unit except that the toe and heel of any horizontal well should be allowed to be located as close as 200 feet to the boundary of the drilling unit, or for such other and further relief as may be appropriate.

Case No. 12997: Application of Cornerstone Natural Resources LLC for an order establishing two 640-acre drilling units consisting of Sections 14 and 23, T.162N., R.91W., Burke County, ND and allowing a horizontal well to be drilled thereon in the Bakken Formation at any location not closer than 500 feet to the boundary of the spacing unit except that the toe and heel of any horizontal well should be allowed to be located as close as 200 feet to the boundary of the drilling unit, or for such other and further relief as may be appropriate.

Case No. 12998: Application of Cornerstone Natural Resources LLC for an order establishing two 640-acre drilling units consisting of Sections 17 and 20, T.162N., R.90W., Burke County, ND and allowing a horizontal well to be drilled thereon in the Bakken Formation at any location not closer than 500 feet to the boundary of the spacing unit except that the toe and heel of any horizontal well should be allowed to be located as close as 200 feet to the boundary of the drilling unit, or for such other and further relief as may be appropriate.

thereon at any location not closer than 500 feet to the boundary thereof except that the heel and toe of each well should be permitted to be located as close as 200 feet to the boundary thereof, without regard to the Commission's 1220-foot setback or tool error policy, further amending the stratigraphic definition of said pools to include the interval from fifty feet above the top of the Bakken Formation to 100 feet below the top of the Three Forks Formation, and such other relief as is appropriate.

Case No. 13005: Application of Burlington Resources Oil and Gas Co. LP for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Blue Butte-Bakken Pool described as Sections 13 and 24, T.151N., R.96W., McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 13006: Application of Burlington Resources Oil and Gas Co. LP for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Blue Butte-Bakken Pool described as Sections 34 and 35, T.151N., R.95W., McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 13007: Application of Burlington Resources Oil and Gas Co. LP for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Blue Butte-Bakken Pool described as Sections 1 and 12, T.151N., R.98W., McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 13008: Application of Burlington Resources Oil and Gas Co. LP for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Blue Butte-Bakken Pool described as Sections 13 and 24, T.148N., R.95W., McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 13009: Application of Burlington Resources Oil and Gas Co. LP for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Blue Butte-Bakken Pool described as Sections 15 and 22, T.152N., R.97W., McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 13010: Application of Burlington Resources Oil and Gas Co. LP for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Blue Butte-Bakken Pool described as Sections 18 and 19, T.147N., R.95W., Dunn County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 13011: Application of Burlington Resources Oil and Gas Co. LP for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Blue Butte-Bakken Pool described as Sections 3 and 10, T.147N., R.97W., Dunn County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 13012: Application of Burlington Resources Oil and Gas Co. LP for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Blue Butte-Bakken Pool described as Sections 25 and 36, T.147N., R.97W., Dunn County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 13013: Application of Burlington Resources Oil and Gas Co. LP for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Blue Butte-Bakken Pool described as Sections 26 and 33, T.147N., R.97W., Dunn County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 13014: Application of Whiting Oil and Gas Corp. for an order establishing five 2560-acre spacing units in the Sanish-Bakken Pool consisting of (1) Sections 7 and 8; (2) Sections 7, 8, 17, and 18; (3) Sections 3, 4, 9, and 10; (4) Sections 15 and 16; and (5) Sections 20, 21, 29, T.153N., R.91W., Mountrail County, ND, for purposes of allowing an additional horizontal well to be drilled between two existing 1280-acre spacing units at any location not closer than 500 feet to the boundary of the new proposed spacing unit, and such other relief as is appropriate.

Case No. 13015: Application of Whiting Oil and Gas Corp. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in five spacing units for the Sanish-Bakken Pool described as (1) Sections 5, 6, 7, and 8; (2) Sections 7, 8, 17, and 18; (3) Sections 3, 4, 9, and 10; (4) Sections 9, 10, 15, and 16; and (5) Sections 20, 21, 28, and 29, T.153N., R.91W., Mountrail County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 13016: Application of Whiting Oil and Gas Corp. for an order establishing fifteen 2560-acre spacing units in the Sanish-Bakken Pool consisting of (1) Sections 2, 3, 10, and 11, T.154N., R.92W.; (2) Sections 6 and 7, T.154N., R.91W.; and Sections 1 and 12, T.154N., R.92W.; (3) Sections 14, 15, 22, and 23, T.154N., R.91W.; (4) Sections 26, 27, 34, and 35, T.154N., R.91W.; (5) Sections 8, 9, 16, and 17, T.154N., R.92W.; (6) Sections 5, 6, 7, and 8, T.152N., R.92W.; (7) Sections 4, 5, 8, and 9, T.154N., R.91W.; (8) Sections 30 and 31, T.153N., R.92W. and Sections 25 and 36, T.153N., R.92W.; (9) Sections 2, 3, 10, and 11, T.154N., R.92W.; (10) Sections 6 and 7, T.154N., R.91W.; (11) Sections 7 and 18, T.154N., R.91W.; and Sections 12 and 13, T.154N., R.92W.; (12) Sections 28, 29, 32, and 33, T.153N., R.92W.; (13) Sections 8, 9, 16, and 17, T.154N., R.91W.; (14) Sections 6 and 7, T.152N., R.91W. and Sections 1 and 12, T.152N., R.92W.; and (15) Sections 26, 27, 34, and 35, T.153N., R.92W., Mountrail County, ND, for purposes of allowing an additional horizontal well to be drilled between two existing 1280-acre spacing units at any location not closer than 500 feet to the boundary of the new proposed spacing unit, and such other relief as is appropriate.

Case No. 12999: Application of Cornerstone Natural Resources LLC for an order establishing two 640-acre drilling units consisting of Sections 26 and 35, T.162N., R.90W., Burke County, ND and allowing a horizontal well to be drilled thereon in the Bakken Formation at any location not closer than 500 feet to the boundary of the spacing unit except that the toe and heel of any horizontal well should be allowed to be located as close as 200 feet to the boundary of the drilling unit, or for such other and further relief as may be appropriate.

Case No. 13000: Application of Cornerstone Natural Resources LLC for an order establishing two 640-acre drilling units consisting of Sections 17 and 20, T.161N., R.89W., Burke County, ND and allowing a horizontal well to be drilled thereon in the Bakken Formation at any location not closer than 500 feet to the boundary of the spacing unit except that the toe and heel of any horizontal well should be allowed to be located as close as 200 feet to the boundary of the drilling unit, or for such other and further relief as may be appropriate.

Case No. 13001: Application of SM Energy Co. for an order establishing two 1280-acre drilling or spacing units described as Sections 25 and 36, T.153N., R.104W.; and Sections 4 and 9, T.152N., R.104W., Williams County, ND, allowing the drilling of a horizontal well in the Bakken Formation at any location not closer than 500 feet, or 200 feet for the toe and heel of each well, to the boundary of each drilling or spacing unit, or granting such other relief as is appropriate.

Case No. 13002: Application of Burlington Resources Oil and Gas Co. LP for an order amending the applicable orders for the North Fork-Bakken Pool to establish a 2560-acre spacing unit consisting of Sections 3, 10, 15, and 22, T.149N., R.96W., McKenzie County, ND, and allow up to six horizontal wells to be drilled thereon at any location not closer than 500 feet to the boundary thereof except that the heel and toe of each well should be permitted to be located as close as 200 feet to the boundary thereof, without regard to the Commission's 1220-foot setback or tool error policy, further amending the stratigraphic definition of said pool to include the interval from fifty feet above the top of the Bakken Formation to 100 feet below the top of the Three Forks Formation, and such other relief as is appropriate.

Case No. 13003: Application of Burlington Resources Oil and Gas Co. LP for an order amending the applicable orders for the Johnson Corner and Blue Butte-Bakken Pools to establish a 2560-acre spacing unit consisting of Sections 15, 22, 27, and 34, T.150N., R.96W., McKenzie County, ND, and allow up to six horizontal wells to be drilled thereon at any location not closer than 500 feet to the boundary thereof except that the heel and toe of each well should be permitted to be located as close as 200 feet to the boundary thereof, without regard to the Commission's 1220-foot setback or tool error policy, further amending the stratigraphic definition of said pools to include the interval from fifty feet above the top of the Bakken Formation to 100 feet below the top of the Three Forks Formation, and such other relief as is appropriate.

Case No. 13004: Application of Burlington Resources Oil and Gas Co. LP for an order amending the applicable orders for the Johnson Corner and Camel Butte-Bakken Pools to establish a 2560-acre spacing unit consisting of Sections 27 and 34, T.151N., R.96W., McKenzie County, ND, and allow up to six horizontal wells to be drilled

Case No. 13017: Application of Whiting Oil and Gas Corp. for an order pursuant to NDAC §43-02-03-88.1 pooling all interests in fifteen spacing units for the Sanish-Bakken Pool described as (1) Sections 2, 3, 10, and 11, T.154N., R.92W.; (2) Sections 6 and 7, T.154N., R.91W. and Sections 1 and 12, T.154N., R.92W.; (3) Sections 14, 15, 22, and 23, T.154N., R.91W.; (4) Sections 26, 27, 34, and 35, T.154N., R.91W.; (5) Sections 8, 9, 16, and 17, T.154N., R.92W.; (6) Sections 5, 6, 7, and 8, T.152N., R.92W.; (7) Sections 4, 5, 8, and 9, T.154N., R.91W.; (8) Sections 30 and 31, T.153N., R.92W. and Sections 24 and 36, T.153N., R.93W.; (9) Sections 2, 3, 10, and 11, T.152N., R.92W.; (10) Sections 7 and 18, T.153N., R.90W. and Sections 1 and 13, T.153N., R.91W.; (11) Sections 7 and 13, T.154N., R.91W. and Sections 12 and 13, T.154N., R.92W.; (12) Sections 28, 29, 32, and 33, T.153N., R.92W.; (13) Sections 8, 9, 16, and 17, T.154N., R.91W.; (14) Sections 6 and 7, T.152N., R.91W. and Sections 1 and 12, T.152N., R.92W.; and (15) Sections 26, 27, 34, and 35, T.153N., R.92W., Mountain County, ND, as provided by NDCC §38-08-08, and such other relief as is appropriate.

Case No. 13018: Application of Whiting Oil and Gas Corp. for an order establishing seven 1280-acre drilling units described as Sections 28 and 33; Sections 29 and 32; Sections 30 and 31, T.139N., R.97W.; Sections 4 and 9; Sections 6 and 7, T.138N., R.97W.; Sections 1 and 12, T.138N., R.98W.; and Sections 25 and 36, T.139N., R.98W., Stark County, ND, and allowing a horizontal well to be drilled in the Bakken Formation at any location thereon not closer than 200 feet to the spacing unit boundary offsetting the toe and heel of the well and 500 feet to any other boundary, and such other relief as is appropriate.

Case No. 13019: Application of Whiting Oil and Gas Corp. for an order establishing 1280-acre drilling units described as Sections 16 and 21; Sections 17 and 20; Sections 18 and 19; Sections 28 and 33; Sections 29 and 32; and Sections 30 and 31, T.139N., R.99W., Stark County, ND, and allowing a horizontal well to be drilled in the Bakken Formation at any location thereon not closer than 200 feet to the spacing unit boundary offsetting the toe and heel of the well and 500 feet to any other boundary, and such other relief as is appropriate.

Case No. 13020: Application of Whiting Oil & Gas Corp. for an order extending the outline of the Dutch Henry Butte Field and amending the applicable orders for the Dutch Henry Butte-Bakken Pool to establish 1280-acre spacing units consisting of Sections 3 and 10; Sections 4 and 9; Sections 7 and 18; Sections 8 and 17; Sections 16 and 21; Sections 15 and 22, T.140N., R.97W.; and Sections 13 and 24, T.140N., R.98W., Stark County, ND, allowing one horizontal well to be drilled in the Bakken Pool, and such other relief as is appropriate.

Case No. 13021: Application of Whiting Oil and Gas Corp. for an order pursuant to NDAC §43-02-03-88.1 pooling all interests in six spacing units for the Dutch Henry Butte-Bakken Pool described as Sections 3 and 10; Sections 4 and 9; Sections 7 and 18; Sections 8 and 17; Sections 16 and 21; Sections 15 and 22, T.140N., R.97W.; and Sections 13 and 24, T.140N., R.98W., Stark County, ND, as provided by NDCC §38-08-08, and such other relief as is appropriate.

Case No. 13022: Application of Whiting Oil and Gas Corp. for an order establishing a 1280-acre drilling unit described as Sections 16 and 21, T.140N., R.98W., Stark County, ND, and allowing a horizontal well to be drilled in the Bakken Formation at any location thereon not closer than 200 feet to the spacing unit boundary offsetting the toe and heel of the well and 500 feet to any other boundary, and such other relief as is appropriate.

Case No. 13023: Application of Whiting Oil and Gas Corp. for an order pursuant to NDAC §43-02-03-88.1 pooling all interests in a spacing unit for the Morgan Draw-Birdbear Pool described as Section 7, T.143N., R.102W., Billings County, and Section 13, T.143N., R.103W., Golden Valley County, ND, as provided by NDCC §38-08-08, and such other relief as is appropriate.

Case No. 13024: Temporary spacing to develop an oil and/or gas pool discovered by the Questar Expl. and Prod. Co. #1-06-31H-150-97 MHA, SESW Section 6, T.149N., R.12W., Dunn County, ND, define the field limits, and enact such special field rules as may be necessary.

Case No. 13025: Application of Questar Expl. and Prod. Co. for an order amending

the field rules for a portion of the Deep Water Creek Bay Field to create two 560-acre spacing units described as the E/2 NW/4 and NE/4 of Section 31 and N/2 of Section 32; the E/2 SW/4 and SE/4 of Section 31 and S/2 of Section 32, T.150N., R.90W., in McLean County, ND, allowing a horizontal well to be drilled through the Bakken Pool at any location not closer than 200 feet to the boundary of each spacing unit, and for such other and further relief as may be appropriate.

Case No. 13026: Application of Paul Rankin Inc. for an order allowing a well to be drilled to and completed in the Lodgepole Formation at a location approximately 150 feet from the north line and 500 feet from the east line of Section 29, T.152N., R.102W., Williams and McKenzie Counties, ND, as an exception to the requirements of NDAC §43-02-03-18, or granting such other and further relief as the Commission deems appropriate.

Case No. 13027: Application of Saltwater Disposal of ND, LLC for an order pursuant to NDAC § 43-02-03-88.1 authorizing saltwater disposal into the Dakota Group in the NDND #1 well, NENE Section 26, T.156N., R.92W., Ross Field, Mountain County, ND, pursuant to NDAC Chapter 43-02-05 and such other relief as is appropriate.

Case No. 13028: Application of Kodiak Oil & Gas (USA) Inc. for an order amending the applicable orders for the Twin Buttes Field to include the E/2 of Sections 16 and 21, T.147N., R.92W., Dunn County, ND, as a 640-acre spacing unit in the Twin Buttes-Bakken Pool, and such other relief as is appropriate.

Case No. 12248: (Continued) Application of Gregory Tank to determine if Continental Resources, Inc. is authorized to recover from each nonparticipating owner of interests in a spacing unit in the Johnson Corners-Bakken Pool consisting of Sections 4 and 9, T.150N., R.96W., McKenzie County, ND, a risk penalty as provided in NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 12249: (Continued) Application of Gregory Tank to determine if Burlington Resources Oil & Gas Co. LP is authorized to recover from each nonparticipating owner of interests in a spacing unit in the Carlet Butte-Bakken Pool consisting of Sections 27 and 34, T.151N., R.96W., McKenzie County, ND, a risk penalty as provided in NDCC § 38-08-08, and such other relief as is appropriate.

Signed by,
John Heeven, Governor
Chairman, ND Industrial Commission
777 - 605653