

BEFORE THE INDUSTRIAL COMMISSION
OF THE STATE OF NORTH DAKOTA

CASE NO. 22455
ORDER NO. 24789

IN THE MATTER OF A HEARING CALLED ON
A MOTION OF THE COMMISSION TO
CONSIDER THE PROPER SPACING FOR THE
DEVELOPMENT OF THE SHORT CREEK-
BAKKEN POOL, BURKE COUNTY, ND,
REDEFINE THE FIELD LIMITS, AND ENACT
SUCH SPECIAL FIELD RULES AS MAY BE
NECESSARY.

ORDER OF THE COMMISSION

THE COMMISSION FINDS:

- (1) This cause came on for hearing at 9:00 a.m. on the 25th day of June, 2014.
- (2) The land and engineering witnesses for Hess Bakken Investments II, LLC (Hess) 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 June 27, 2014; therefore, such testimony may be considered evidence.
- (3) Order No. 15823 entered in Case No. 13547 established temporary spacing for the development of the Short Creek-Bakken Pool at one horizontal well per 1280 acres.
- (4) Hess requested the temporary spacing rules be made proper.
- (5) Hess has no plans for further development in this area at this time.
- (6) Case No. 19401 heard on the June 16, 2013 docket, is a motion of the Commission to consider temporary spacing to develop an oil and/or gas pool discovered by the Hess Corporation #0508H-1 AV-H Osborn-163-93 well (File No. 22147), located in Lot 2, Section 5, Township 163 North, Range 93 West, Burke County, North Dakota, define the field limits, and enact such special field rules as may be necessary. Order No. 21703 entered in Case No. 19401 established Sections 3 and 10; Sections 4 and 9; and Sections 5 and 8, Township 163 North, Range 93 West, Burke County, North Dakota, as standup 1280-acre spacing units with one horizontal well allowed in the Short Creek-Bakken Pool.
- (7) Geological and engineering evidence and testimony presented to the Commission relative to the matter of well spacing indicates the Short Creek-Bakken Pool, as classified and defined in this order, should be developed on a pattern of one horizontal well per 1280 acres, for the effective, economical, and efficient recovery of oil from said pool, to assure rapid development and provide

maximum ultimate recovery, to avoid the drilling of unnecessary wells, and to prevent waste in a manner that will protect correlative rights.

(8) There were no objections in this matter.

(9) Certain special field rules for the Short Creek-Bakken Pool are necessary to prevent waste and protect against the contamination and pollution of surface lands and fresh waters.

IT IS THEREFORE ORDERED:

(1) Provisions established herein for the Short Creek-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 (2) below shall not be subject to this order.

(2) The Short Creek Field is hereby redefined as the following described tracts of land in Burke County, North Dakota:

TOWNSHIP 163 NORTH, RANGE 93 WEST, 5TH PM
ALL OF SECTIONS 1, 2, 3, 4, 5, 8, 9, 10, 11 AND 12.

(3) The Short Creek-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.

(4) The proper spacing for the development of the Short Creek-Bakken Pool is hereby set at one horizontal well per standup 1280-acre spacing unit.

(5) All portions of the well bore not isolated by cement of any horizontal well in the Short Creek-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.

(6) 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 93 West, Burke County, North Dakota, are hereby designated standup 1280-acre spacing units in the Short Creek-Bakken Pool.

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

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

(9) The operator of any horizontally drilled well in the Short Creek-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.

(10) 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 Short Creek-Bakken Pool.

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

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

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

- (a) The surface casing shall consist of new or reconditioned pipe that has been previously tested to 1000 pounds per square inch. The casing shall be set and cemented at a point not less than 50 feet below the base of the Fox Hills Formation. Sufficient cement shall be used to fill the annular space outside the pipe to the surface of the ground, or the bottom of the cellar, and sufficient scratchers and centralizers shall be used to assure a good cement job. Cement shall be allowed to stand a minimum of 12 hours before drilling the plug or initiating tests. The quality of cement shall conform to the standards provided under NDAC Section 43-02-03-21. After cementing, the casing shall be tested by application of pump pressure of at least 1000 pounds per square inch. If, at the end of 30 minutes this pressure has dropped 100 pounds per square inch or more, the casing shall be repaired. Thereafter, the casing shall again be tested in the same manner. Further work shall not proceed until a satisfactory test has been obtained;
- (b) The producing or oil string shall consist of new or reconditioned pipe that has been previously tested to 2000 pounds per square inch. Casing shall be set and cemented at a point not higher than the top of the producing formation, or at a point approved by the Director. Sufficient cement shall be used and applied in such a manner as to protect and isolate all formations containing oil and/or gas, protect the pipe through salt sections encountered, and isolate the Dakota-Lakota Series. The cement shall be allowed to stand a minimum of 15 hours before drilling the plug or initiating tests. The quality of cement shall conform to the standards provided under NDAC Section 43-02-03-21. After cementing, the casing shall be tested by application of pump pressure of at least 1500 pounds per square inch. If, at the end of 30 minutes this pressure has dropped 150 pounds per square inch or more, the casing shall be repaired. Thereafter, the casing shall again be tested in the same manner. Further work shall not proceed until a satisfactory test has been obtained;

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

(14) 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 Short Creek-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 5200 feet. All gas-oil ratio and reservoir pressure determinations shall be made by methods approved by the Director and reported to the Director within 15 days following the end of the month in which they are determined. The Director is authorized to waive these requirements if the necessity therefor can be demonstrated to his satisfaction. All additional gas-oil ratio and reservoir pressure determinations conducted on any well, but not specially required herein, shall be reported to the Director within 15 days following the end of the month in which they are determined.

(15) 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.

(16) The first horizontal well completed in each Short Creek-Bakken Pool non-overlapping spacing unit shall be allowed to produce at a maximum efficient rate.

(17) All wells completed in the Short Creek-Bakken Pool that have received an exemption to North Dakota Century Code Section 38-08-06.4 shall be allowed to produce at a maximum efficient rate.

(18) All infill horizontal wells, including overlapping spacing units, completed in the Short Creek-Bakken Pool, shall be allowed to produce at a maximum efficient rate for a period of 90 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, such wells shall be allowed to continue to produce at a maximum efficient rate if the well or operator meets or exceeds the Commission approved gas capture goals. The gas capture percentage shall be calculated by summing monthly gas sold plus monthly gas used on lease plus monthly gas processed in a Commission approved beneficial manner, divided by the total monthly volume of associated gas produced by the operator. The operator is allowed to remove the initial 14 days of flowback gas in the total monthly volume calculation. The Commission will accept compliance with the gas capture goals by well, field, county, or statewide by operator. If such gas capture percentage is not attained at maximum efficient rate, the well(s) shall be restricted to 200 barrels of oil per day if at least 60% of the monthly volume of associated gas produced from the well is captured, otherwise oil production from such wells shall not exceed 100 barrels of oil per day.

The Commission will recognize the following as surplus gas being utilized in a beneficial manner:

- a. Equipped with an electrical generator that consumes surplus gas from the well;
- b. Equipped with a system that intakes the surplus gas and natural gas liquids volume from the well for beneficial consumption by means of compression to liquid for use as fuel, transport to a processing facility, production of petrochemicals or fertilizer, conversion to liquid fuels, separating and collecting the propane and heavier hydrocarbons; and
- c. Equipped with other value-added processes as approved by the Director which reduce the volume or intensity of the flare by more than 60%.

On July 1, 2014, the Commission approved gas capture goals of 74% by October 1, 2014; 77% by January 1, 2015; 85% by January 1, 2016; and 90% by October 1, 2020. The Commission may revise such goals in the future if deemed necessary.

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

(20) This order shall cover all of the Short Creek-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.

Dated this 3rd day of February, 2015.

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA

By the Director, on behalf of the Commission

/s/ Lynn D. Helms, Director

STATE OF NORTH DAKOTA

AFFIDAVIT OF MAILING

COUNTY OF BURLEIGH

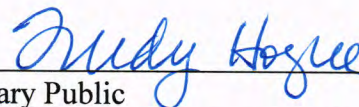
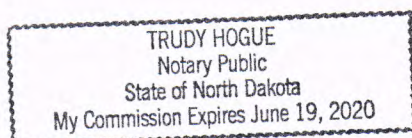
I, Belinda Dickson, being duly sworn upon oath, depose and say: That on the 9th day of February, 2015 enclosed in separate envelopes true and correct copies of the attached Order No. 24789 of the North Dakota Industrial Commission, and deposited the same with the United States Postal Service in Bismarck, North Dakota, with postage thereon fully paid, directed to the following persons by the Industrial Commission in Case No. 22455:

JOHN MORRISON
CROWLEY FLECK PLLP
PO BOX 2798
BISMARCK ND 58502



Belinda Dickson
Oil & Gas Division

On this 9th day of February, 2015 before me personally appeared Belinda Dickson to me known as the person described in and who executed the foregoing instrument and acknowledged that she executed the same as her free act and deed.



Notary Public
State of North Dakota, County of Burleigh

From: [Lisa Herberholz](#)
To: [Hicks, Bruce E.](#)
Cc: [Kadrmaz, Bethany R.](#)
Subject: Telephonic Affidavits
Date: Friday, June 27, 2014 4:44:52 PM
Attachments: [Hess - Newton Hayes Telephonic Aff 22454-22457.pdf](#)
[Hess - Wallace Telephonic Aff 22454-22457.pdf](#)

Attached please find telephonic affidavits in Case Nos. 22454-22457. Thank you.

Lisa



Lisa Herberholz

Administrative Assistant
Crowley Fleck PLLP
100 West Broadway Avenue, Suite 250
P.O. Box 2798
Bismarck, ND 58502
Direct 701.224.7538
Fax 701.222.4853
✉ lherberholz@crowleyfleck.com

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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.

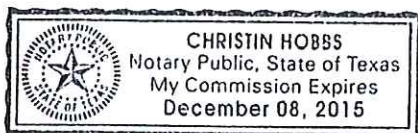
I, Macey Wallace, do hereby confirm that I presented testimony under oath in North Dakota Industrial Commission Case Numbers 22454, 22455, 22456 and 22457 on June 25, 2014. My testimony was presented by telephone from (713) 496-6216, Hess Corporation, 1501 McKinney Street, Houston, TX 77010.

Macey Wallace
(Affiant's Signature)

STATE OF TEXAS)
) ss.
COUNTY OF HARRIS)

On June 25th, 2014, Macey Wallace, known to me to be the person described in and who executed the foregoing instrument, personally appeared before me and acknowledged that she executed the same as a free act and deed.

(S E A L)



Christin Hobbs
Notary Public
State of Texas, County of Harris
My Commission Expires: 12-8-15

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, Elizabeth Newton Hayes, do hereby confirm that I presented testimony under oath in North Dakota Industrial Commission Case Numbers 22454, 22455, 22456 and 22457 on June 25, 2014.

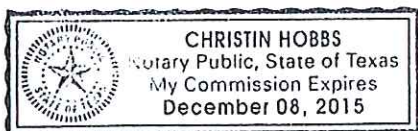
My testimony was presented by telephone from (713) 496-6216, Hess Corporation, 1501 McKinney Street, Houston, TX 77010.

Elizabeth Newton Hayes
(Affiant's Signature)

STATE OF TEXAS)
) ss.
COUNTY OF HARRIS)

On June 25th, 2014, Elizabeth Newton Hayes, known to me to be the person described in and who executed the foregoing instrument, personally appeared before me and acknowledged that she executed the same as a free act and deed.

(S E A L)



Christin Hobbs

Notary Public

State of Texas, County of Harris

My Commission Expires: 12-8-15

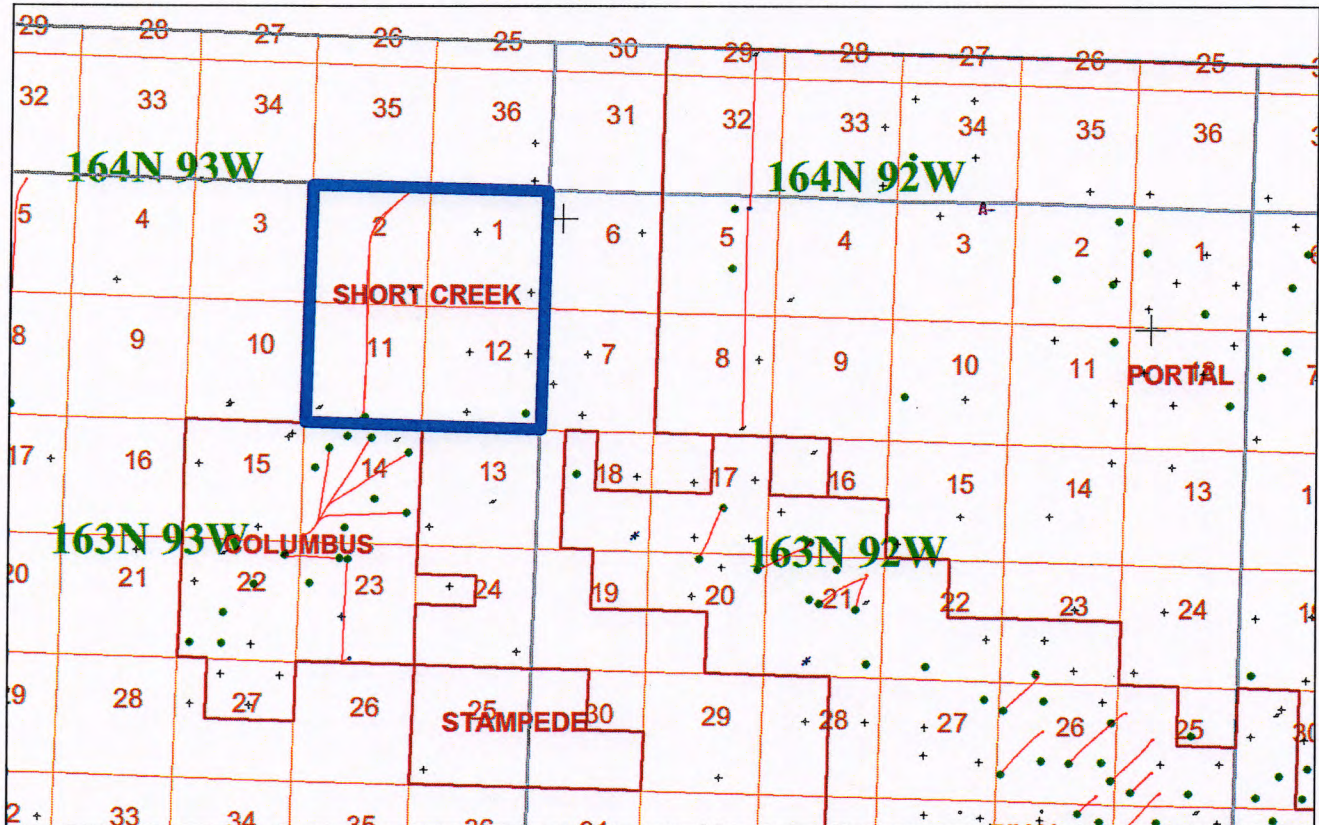


Proper spacing for the development of the Short Creek-Bakken Pool, Burke County, ND, redefine the field limits, and enact such special field rules as may be necessary. Hess Bakken Investments II, LLC

North Dakota Industrial Commission

**Case #22455
June 25, 2014**

Location Map – Short Creek



- WELL SYMBOLS**
- Location Only
 - Well Drilling
 - Waiting on Completion
 - Oil Well
 - Abandoned Well
 - Gas Well
 - Injection Well
 - Permit Canceled
 - Oil & Gas Well
 - Dry Hole
 - Plugged and Abandoned
 - Service Well
 - Temporarily Abandoned
 - Abandoned Oil Well
 - Abandoned GAS Well

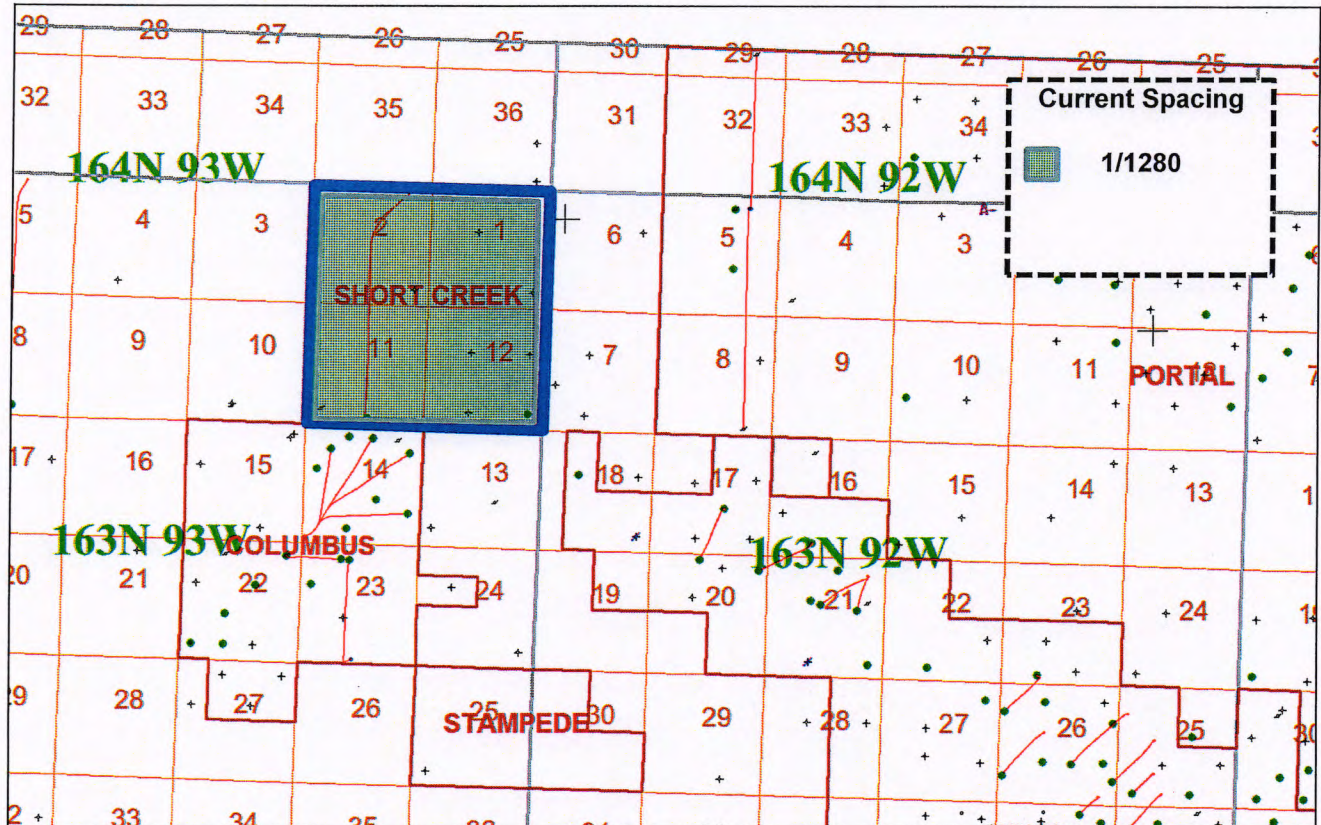
Note: Well symbols are located at BHL

Field Outline

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA
DATE 6-25-14 CASE NO. 22455
Introduced By Hess
Exhibit 1
Identified By Wallace

Case # 22455
6/25/14
Exhibit 1

Location Map – Short Creek



- WELL SYMBOLS**
- Location Only
 - Well Drilling
 - Waiting on Completion
 - Oil Well
 - Abandoned Well
 - Gas Well
 - Injection Well
 - Permit Canceled
 - Oil & Gas Well
 - Dry Hole
 - Plugged and Abandoned
 - Service Well
 - Temporarily Abandoned
 - Abandoned Oil Well
 - Abandoned GAS Well

Note: Well symbols are located at BHL



INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA

DATE 6-25-14 CASE NO. 22455

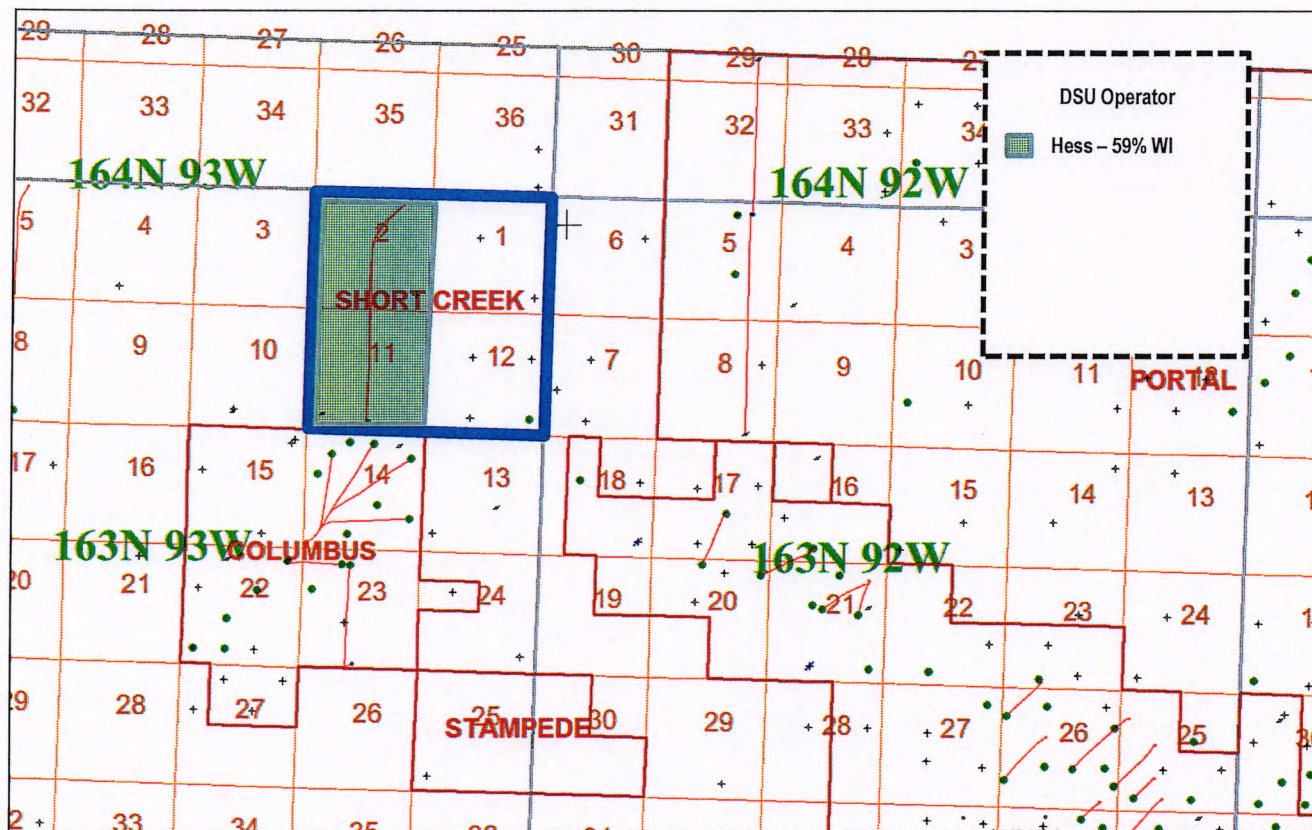
Introduced By Hess

Exhibit 2a

Identified By Wallace

Case # 22455
6/25/14
Exhibit 2a

Location Map – Short Creek



- WELL SYMBOLS**
- Location Only
 - Well Drilling
 - Waiting on Completion
 - Oil Well
 - Abandoned Well
 - Gas Well
 - Injection Well
 - Permit Canceled
 - Oil & Gas Well
 - Dry Hole
 - Plugged and Abandoned
 - Service Well
 - Temporarily Abandoned
 - Abandoned Oil Well
 - Abandoned GAS Well

Note: Well symbols are located at BHL

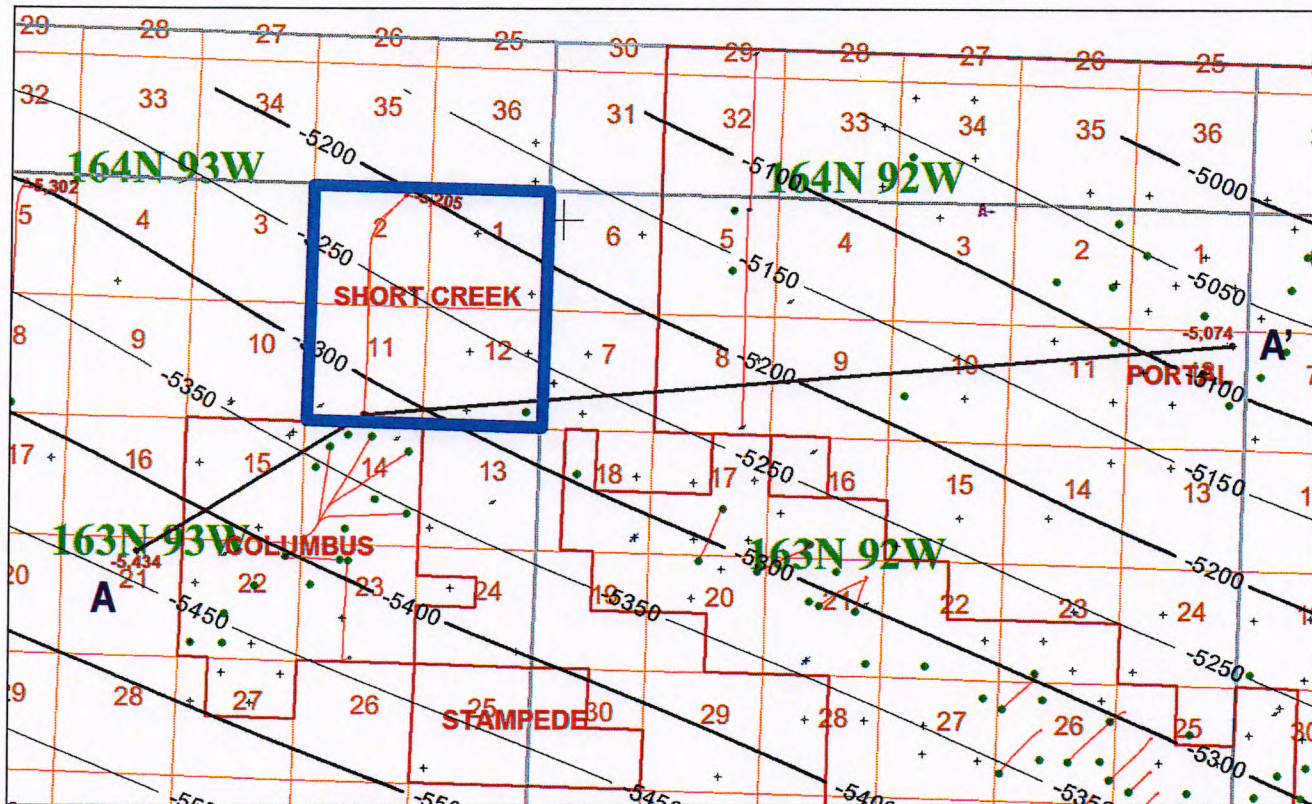
Field Outline

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA

DATE 6-25-14 CASE NO. 22465
Introduced By Hess
Exhibit 2b
Identified By Wallace

Case # 22455
6/25/14
Exhibit 2b

Top Middle Bakken Structure Map (SSTVD) CI: 50 ft.



- WELL SYMBOLS**
- | | |
|--|-----------------------|
| | Location Only |
| | Well Drilling |
| | Waiting on Completion |
| | Oil Well |
| | Abandoned Well |
| | Gas Well |
| | Injection Well |
| | Permit Canceled |
| | Oil & Gas Well |
| | Dry Hole |
| | Plugged and Abandoned |
| | Service Well |
| | Temporarily Abandoned |
| | Abandoned Oil Well |
| | Abandoned GAS Well |

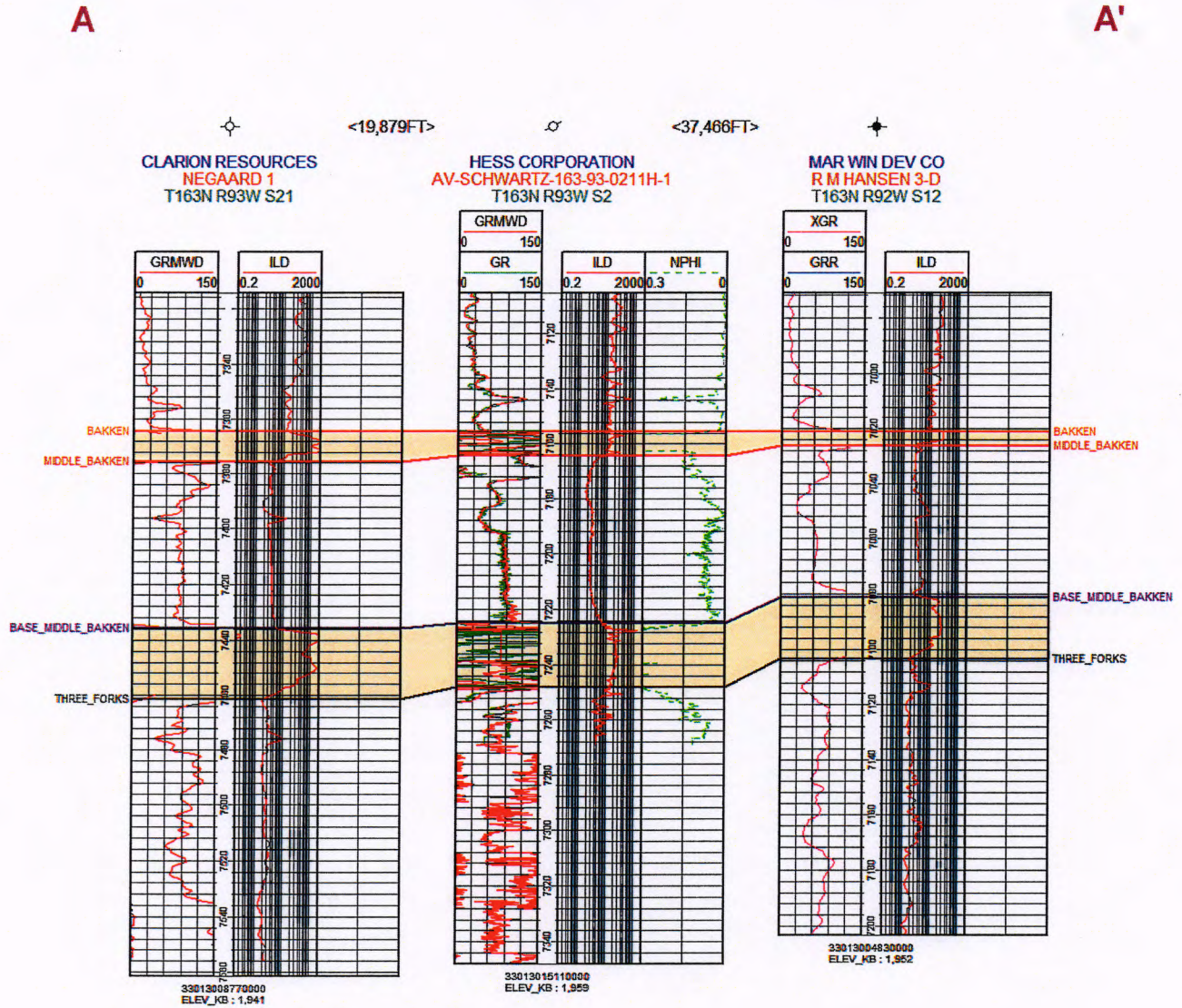
Note: Well symbols are located at BHL

Field Outline

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA
DATE 6-25-14 CASE NO. 22455
Introduced By Hess
Exhibit 3
Identified By Lacy

Case # 22455
6/25/14
Exhibit 3

Stratigraphic Cross Section A to A' Flattened on Bakken



INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA

DATE 6-25-14 CASE NO. 22455
Introduced By Hess
Exhibit 4
Identified By Lacy

Case # 22455
6/25/14
Exhibit 4

Well Information / Reservoir & Fluid Properties

Short Creek Bakken Pool

Operator:	Hess Bakken Investments II, LLC ("Hess") 1501 McKinney Houston, TX 77010
Hess Operated Well:	please see 6b
Hess Operated DSU:	please see 6b
Producing Formation:	Bakken Formation
Date of Initial Production:	please see 6b
IP Rate (Avg 1 st Mth):	please see 6b
CUM Production: (4/1/14)	please see 6b
Initial Reservoir Pressure:	4000 psi
Oil Gravity:	42 API
GOR:	please see 6b
Porosity:	6%
Thickness:	60 ft
Water Saturation:	45-50%
Reservoir Temp:	210 F
Salinity of Formation Water:	250,000 ppm
Oil Formation Volume Factor:	1.829 rb/stb
Drive Mechanism:	Depletion

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA
DATE 6-25-14 CASE NO. 22455
Introduced By Hess
Exhibit 5a
Identified By Newton

Case # 22455
6/25/14
Exhibit 5a

Well Information / Reservoir & Fluid Properties

Short Creek Bakken Pool (continued)

Short Creek Field Area Well Data								
Well Name	30 Day Oil Avg Rate (bopd)	30 Day Gas Avg Rate (mcfpd)	30 Day Water Avg Rate (bwpd)	IP Date (YYYY.MM.DD)	Oil Cum up to 6/1/2104 (bblo)	Gas Cum up to 6/1/2014 (mcf)	Water Cum up to 6/1/2014 (bblw)	Producing GOR (scf/bbl)
AV-SCHWARTZ-163-93-0211H-1	74	20	288	2012.07.18	25,311	15,396	110,793	0.8

INDUSTRIAL COMMISSION

STATE OF NORTH DAKOTA

DATE 6-25-14 CASE NO. 22455

Introduced By Hess

Exhibit 5b

Identified By Newton

Case # 22455

6/25/14

Exhibit 5b

**Hess Corporation
Typical Avalanche Area Economics For
One Well Per 1280 acres
30-35 Frac Stages Per Lateral**

Middle Bakken Reservoir Data

Gross Thickness	60 Feet
Porosity	6 %
Oil Saturation	56%
Formation Volume Factor	1.829 rb/STB
Acreage	1280 Acres
OOIP	10.6 MMBO

30 Day IP	440 bopd
GOR	1236 scf/bbl

Ultimate Recovery	130 MBO
Recovery Factor	1%

Economic Input

Capex	\$8.6 MM
Fixed Opex - Well	\$24 M /Month

Economic Results

Price Assumption	Base
Oil Price	\$85/BBL
Gas Price	\$4/MMBTU
AT NPV	\$-1.7 MM
Rate of Return	n/a
AT Payout	n/a Years

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA

DATE 6-25-14 CASE NO. 22455
Introduced By Hess
Exhibit 6
Identified By Newton

Case # 22455
6/25/14
Exhibit 6

Recommended Field Rules

Field Name: Short Creek Field

Field Outline: Township 163 North, Range 93 West, 5th PM
All of Sections 1, 2, 11 and 12

Pool Name: Short Creek-Bakken

Pool Outline: Township 163 North, Range 93 West, 5th PM
All of Sections 1, 2, 11 and 12

Pool Definition: The 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 pool

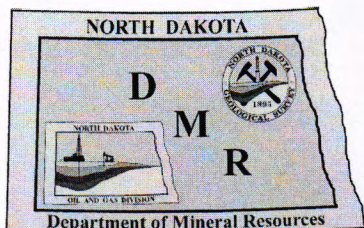
Well Locations: No closer than 500 feet to the E/W lines of the units and 200 feet to the N/S lines of the units

Proper Spacing: Sections 1 and 12; and Sections 2 and 11 are designated standup 1280-acre spacing units and are spaced at one horizontal well per standup 1280-acre spacing unit. Hess recommends that this spacing density remains unchanged

Gas Flaring: Standard 60/60/60 rule, with Director having authority to extend

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA
DATE 6-25-14 CASE NO. 22455
Introduced By Hess
Exhibit 7
Identified By Newton

Case # 22455
6/25/14
Exhibit 7



Oil and Gas Division

Lynn D. Helms - Director

Bruce E. Hicks - Assistant Director

Department of Mineral Resources

Lynn D. Helms – Director

North Dakota Industrial Commission

www.dmr.nd.gov/oilgas/

May 30, 2014

TO: HESS BAKKEN INVESTMENTS II, LLC
1501 MCKINNEY
HOUSTON TX 77010

FROM: North Dakota Industrial Commission
Governor Jack Dalrymple, Chairman

SUBJECT: Proper Spacing Hearing; Case No. 22455

The proper spacing for the development of the SHORT CREEK - BAKKEN Pool, BURKE COUNTY, North Dakota will be considered at the North Dakota Industrial Commission hearing on June 25, 2014.

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

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

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

6) The following data must be included if available:

- a) Permeability
- b) Resistivity or salinity of formation water
- c) Oil Pour Point
- d) Reservoir Drive Mechanism
- e) Bubble Point Pressure

7) Pertinent economics.

8) Maximum area of efficient and effective drainage by wells and supporting data.

9) Estimated original oil in place and expected recovery.

10) Disposition of all fluids.

11) A lease ownership map showing working interest ownership, non-working interest ownership, and lease expiration dates.

12) A structure map, isopach map, and cross section if pertinent.

13) A complete suite of logs if not previously filed.

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

1) The discovery well is not commercial and no further development is anticipated.

2) The information requested above is prefiled ten (10) days prior to the scheduled hearing.

3) Prefiled exhibits are accompanied by signed affidavits from the person or persons who prepared the exhibits attesting to the following:

4)

a) Their professional qualifications as an expert witness.

b) That they prepared, supervised preparation, or reviewed the documents.

c) That the documents are true and correct.

d) Identification of each exhibit, and explanation of the pertinence of the exhibit to the proper spacing matter at hand.

5) No one appears to oppose the proper spacing request. If the operator declines to appear and an interested party does appear to oppose the proper spacing request or submits a written objection, it may result in the matter being continued and an appearance by the operator required. In addition, you should be aware that in the event an Industrial Commission order is appealed the court decision will be based entirely on the hearing record. The lack of hearing testimony could result in an incomplete record.

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



Lynn D. Helms
Director

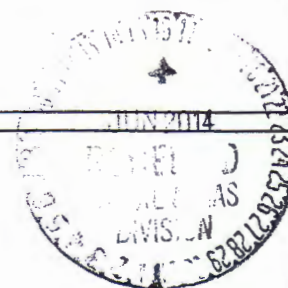
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State of North Dakota) SS County of Burleigh
Before me, a Notary Public for the State of North Dakota
personally appeared CK who being duly sworn, deposes
and says that he (she) is the Clerk of Bismarck Tribune Co.,
and that the publication(s) were made through the
Bismarck Tribune on the following dates:
6/6 Signed Carmen Kuntz

sworn and subscribed to before me this 13th
day of June 20 14
Morgan Doll
Notary Public in and for the State of North Dakota

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State of North Dakota
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**NOTICE OF HEARING
N.D. INDUSTRIAL COMMISSION
OIL AND GAS DIVISION**

The North Dakota Industrial Commission will hold a public hearing at 9:00 a.m. Wednesday, June 25, 2014, at the N.D. Oil & Gas Division, 1000 East Calgary Ave., Bismarck, N.D. At the hearing the Commission will receive testimony and exhibits. Persons with any interest in the cases listed below, take notice.

PERSONS WITH DISABILITIES: If at the hearing you need special facilities or assistance, contact the Oil and Gas Division at 701-328-8038 by Thursday, June 12, 2014.

STATE OF NORTH DAKOTA TO:

Case No. 21799: (Continued) Application of WPX Energy Williston, LLC requesting an order suspending and, after hearing, revoking the permits issued to Enerplus Resources USA Corp. to drill the Earth Lodge 148-93-22A-21H TF well (File No. 21789), Tipi 148-93-22A-21H well (File No. 21790), Round House 148-93-22D-21H well (File No. 21914), Log House 148-93-22D-21H TF well (File No. 21915), on a spacing unit consisting of Sections 21 and 22, T.148N., R.93W., Dunn County, ND, and such other relief as the Commission may deem appropriate.

Case No. 21800: (Continued) Application of WPX Energy Williston, LLC for an order amending the field rules for the Spotted Horn-Bakken Pool to establish one new overlapping 1280-acre spacing unit consisting of Sections 25 and 36, T.150N., R.94W., McKenzie County, ND, authorizing, but not requiring, the drilling, completing, and producing of a total not to exceed fourteen wells within the spacing unit, eliminating any tool error requirements, and such other relief as is appropriate.

Case No. 22090: (Continued) A motion of the Commission to determine the volume and value of the gas flared in violation of NDCC § 38-08-06.4 from the Gadeo, LLC #25-36H Golden well, NENW of Section 25, T.155N., R.99W., Epping-Bakken Pool, Williams County, ND, and such other relief as is appropriate.

Case No. 22093: (Continued) Application of Mud Tech LLC, in accordance with NDAC § 43-02-03-51 for an order authorizing the construction of an oilfield waste treating/processing facility to be located in Lot 4, Section 13, T.152N., R.95W., McKenzie County, ND and such other relief as is appropriate.

Case No. 22449: On a motion of the Commission to consider the appropriate spacing in Section 22 and the W/2 of Section 23, T.163N., R.93W., Columbus Madison Pool, Burke County, North Dakota.

Case No. 22450: Proper spacing for the development of the Arnegard-Bakken Pool, McKenzie County, ND, redefine the field limits, and enact such special field rules as may be necessary. Slawson Exploration Co. Inc.; Whiting Oil and Gas Corp.; XTO Energy, Inc.

Case No. 22451: Application of Whiting Oil and Gas Corp. for an order amending the applicable orders for the Ragged Butte, Lonesome, and/or the Sioux-Bakken Pools to establish two overlapping 2560-acre spacing units consisting of Sections 5, 6, 7 and 8; and Sections 29, 30, 31 and 32, T.151N., R.101W., McKenzie County, ND, and authorize the drilling of one horizontal well on each such overlapping spacing unit at or near the common boundary between existing spacing units, and granting such other relief as may be appropriate.

Case No. 22452: Application of Whiting Oil and Gas Corp. for an order amending the applicable orders for the Rawson and/or the Pronghorn-Bakken Pools to establish three overlapping 2560-acre spacing units consisting of Sections 4, 5, 8 and 9; Sections 14, 15, 22 and 23; and Sections 15, 16, 21 and 22, T.150N., R.101W., McKenzie County, ND, and authorize the drilling of one horizontal well on each such overlapping spacing unit at or near the common boundary between existing spacing units, and granting such other relief as may be appropriate.

Case No. 22453: Application of Whiting Oil and Gas Corp. for an order amending the applicable orders for the Timber Creek and/or the Arnegard-Bakken Pools to establish two overlapping 2560-acre spacing units consisting of Sections 13, 14, 23 and 24; and Sections 14, 15, 22 and 23, T.150N., R.100W., McKenzie County, ND, and authorize the drilling of one horizontal well on such overlapping spacing unit at or near the common boundary between existing spacing units, and granting such other relief as may be appropriate.

Case No. 22454: Proper spacing for the development of the Timber Creek-Bakken Pool, McKenzie County, ND, redefine the field limits, and enact such special field rules as may be necessary. Hess Bakken Investments II, LLC; Triangle USA Petroleum Corp.; Whiting Oil and Gas Corp.

Case No. 22455: Proper spacing for the development of the Short Creek-Bakken Pool, Burke County, ND, redefine the field limits, and enact such special field rules as may be necessary. Hess Bakken Investments II, LLC. **Case No. 22456:** Application of Hess Bakken Investments II, LLC, for an order amending the applicable orders for the Beaver Lodge-Devonian Pool and the Capa-Bakken Pool to establish an overlapping

1280-acre spacing unit consisting of the E/2 of Sections 14 and 23 and the W/2 of Section 13 and 24, T.155N., R.96W., Williams County, ND, and allow a horizontal well to be drilled thereon, or granting such other relief as may be appropriate.

Case No. 22457: Application of Hess Bakken Investments II, LLC, for an order amending the applicable orders for the Beaver Lodge-Bakken Pool to allow a horizontal well to be drilled as close as 300 feet to the west boundary of a 1280-acre spacing unit described as Sections 18 and 19, T.155N., R.95W., Williams County, ND, as an exception to the applicable orders, or granting such other relief as may be appropriate.

Case No. 22458: Application of Hess Bakken Investments II, LLC, for an order amending the applicable orders for the Long Creek-Bakken Pool to authorize up to eleven horizontal wells to be drilled on a 1280-acre spacing unit described as Sections 13 and 14, T.153N., R.99W.; to establish two overlapping 2560-acre spacing units consisting of Sections 11, 12, 13 and 14; and Sections 13, 14, 23 and 24, T.153N., R.99W., Williams County, ND, and authorize a horizontal well to be drilled on each such unit; and to grant such other relief as may be appropriate.

Case No. 22459: Application of Hess Bakken Investments II, LLC, for an order amending the applicable orders for the Banks-Bakken Pool to authorize up to eleven horizontal wells to be drilled on a 1280-acre spacing unit described as Sections 8 and 9, T.152N., R.99W.; to establish two overlapping 2560-acre spacing units consisting of Sections 4, 5, 8 and 9; and Sections 8, 9, 16 and 17, T.152N., R.99W., McKenzie County, ND, and authorize a horizontal well to be drilled on each such unit; and to grant such other relief as may be appropriate.

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

Case No. 22460: Application of Hess Corp. for an order amending the applicable orders for the Rainbow-Bakken Pool, Williams County, ND, to allow all wells to produce oil at an unrestricted rate and flare gas produced in association therewith until December 31, 2014, or such other time as may be established by the Commission, or for such other relief as may be appropriate.

Case No. 22461: Proper spacing for the development of the Northeast Foothills-Bakken Pool, Burke County, ND, redefine the field limits, and enact such special field rules as may be necessary. Cornerstone Natural Resources LLC

Case No. 22462: Proper spacing for the development of the Vanville-Bakken Pool, Burke County, ND, redefine the field limits, and enact such special field rules as may be necessary. EOG Resources, Inc.; OXY USA Inc.

Case No. 22463: Application of OXY USA Inc. for an order amending the applicable orders for the Cabernet-Bakken Pool, Dunn County, ND, and/or granting an exception to NDAC §43-02-03-21 and any other applicable regulations to allow the use of inflatable packers in the casing string in connection with cementing operations for the isolation of oil, gas or water-bearing formations, or granting such other relief as is appropriate.

Case No. 22464: Application of OXY USA Inc. for an order amending the applicable orders for the Crooked Creek-Bakken Pool, Dunn County, ND, and/or granting an exception to NDAC §43-02-03-21 and any other applicable regulations to allow the use of inflatable packers in the casing string in connection with cementing operations for the isolation of oil, gas or water-bearing formations, or granting such other relief as is appropriate.

Case No. 22465: Application of OXY USA Inc. for an order amending the applicable orders for the Fayette-Bakken Pool, Dunn County, ND, and/or granting an exception to NDAC §43-02-03-21 and any other applicable regulations to allow the use of inflatable packers in the casing string in connection with cementing operations for the isolation of oil, gas or water-bearing formations, or granting such other relief as is appropriate.

Case No. 22466: Application of OXY USA Inc. for an order amending the applicable orders for the Little Knife-Bakken Pool, Billings, Dunn and McKenzie Counties, ND, and/or granting an exception to NDAC §43-02-03-21 and any other applicable regulations to allow the use of inflatable packers in the casing string in connection with cementing operations for the isolation of oil, gas or water-bearing formations, or granting such other relief as is appropriate.

Case No. 22467: Application of OXY USA Inc. for an order amending the applicable orders for the Manning-Bakken Pool, Dunn County, ND, and/or granting an exception to NDAC §43-02-03-21 and any other applicable regulations to allow the use of inflatable packers in the casing string in connection with cementing operations for the isolation of oil, gas or water-bearing formations, or granting such other relief as is appropriate.

Case No. 22468: Application of OXY USA Inc. for an order amending the applicable orders for the Murphy Creek-Bakken Pool, Dunn County, ND, and/or granting an exception to NDAC §43-02-03-21 and any other applicable regulations to allow the use of inflatable packers in the casing string in connection with cementing operations for the isolation of oil, gas or water-bearing formations, or granting such other relief as is appropriate.

Case No. 22469: Application of OXY USA Inc. for an order amending the applicable orders for the St. Anthony-Bakken Pool, Dunn County, ND, and/or granting an exception to NDAC §43-02-03-21 and any other applicable regulations to allow the use of inflatable packers in the casing string in connection with cementing operations for the isolation of oil, gas or water-bearing formations, or granting such other relief as is appropriate.

Case No. 22470: Application of OXY USA Inc. for an order amending the applicable orders for the Willmen-Bakken Pool, Billings and Dunn Counties, ND, and/or granting an exception to NDAC §43-02-03-21 and any other applicable regulations to allow the use of inflatable packers in the casing string in connection with cementing operations for the isolation of oil, gas or water-bearing formations, or granting such other relief as is appropriate.

Case No. 22471: Application of OXY USA Inc. for an order amending the applicable orders for the Fayette-Bakken Pool (i) to allow up to fourteen horizontal wells to be drilled on two 1280-acre spacing units described as Sections 13 and 24, T.143N., R.97W.; and Sections 18 and 19, T.143N., R.96W., Dunn County, ND; (ii) establishing

one overlapping 2560-acre spacing unit described as Sections 13 and 24, T.143N., R.97W. and Sections 18 and 19, T.143N., R.96W., and allow up to two horizontal wells to be drilled on each such spacing unit; and (iii) granting such other relief as is appropriate.

Case No. 22472: Application of OXY USA Inc. for an order amending the applicable orders for the Cabernet-Bakken Pool (i) to allow up to fourteen horizontal wells to be drilled on two 1280-acre spacing units described as Sections 1 and 12, T.143N., R.97W.; Sections 6 and 7, T.143N., R.96W., Dunn County, ND; (ii) establishing one overlapping 2560-acre spacing unit described as Sections 1 and 12, T.143N., R.97W. and Sections 6 and 7, T.143N., R.96W., and allow up to two horizontal wells to be drilled on each such spacing

unit; and (iii) granting such other relief as is appropriate.

Case No. 22473: Application of OXY USA, Inc. for an order amending the applicable orders to allow wells completed in the Little Knife-Bakken Pool, Billings, Dunn and McKenzie Counties, ND, to produce at a maximum efficient rate and flare gas produced in association with oil, or for such other relief as may be applicable.

Case No. 22474: Application of OXY USA, Inc. for an order amending the applicable orders to allow wells completed in the Dimond-Bakken Pool, Burke County, ND, to produce at a maximum efficient rate and flare gas produced in association with oil, or for such other relief as may be applicable.

Case No. 22475: Application of Kodiak Oil & Gas (USA) Inc. for an order amending the applicable orders for the Epping-Madison Pool to establish a zone of stand-up 320-acre spacing consisting of all of Sections 21, 22, 27, 28, 29, 30, 31, 32, 33 and 34, T.155N., R.99W., Williams County, ND, for the purpose of drilling horizontal wells, or granting such other relief as is appropriate.

Case No. 22476: Application of Kodiak Oil & Gas (USA) Inc. for an order amending the applicable orders for the Stockyard Creek-Madison Pool to establish a zone of stand-up 320-acre spacing consisting of all of Sections 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 12, T.154N., R.99W., Williams County, ND, for the purpose of drilling horizontal wells, or granting such other relief as is appropriate.

Case No. 19399: (Continued) Proper spacing for the development of the Twin Buttes-Bakken Pool, Dunn County, ND, redefine the field limits, and enact such special field rules as may be necessary. Kodiak Oil & Gas (USA) Inc.

Case No. 22477: Application of Oasis Petroleum North America LLC for an order amending the applicable orders for the Robinson Lake-Bakken Pool, Mountrail County, ND, to allow all wells to produce oil at an unrestricted rate and flare gas produced in association therewith until December 31, 2014, or such time as may be established by the Commission, or for such other relief as may be appropriate.

Case No. 22282: (Continued) Application of Oasis Petroleum North America LLC for an order amending the applicable orders for the Cottonwood and/or the Alger-Bakken Pools to establish two overlapping 2560-acre spacing units consisting of Sections 16, 17, 20 and 21; and Sections 28, 29, 32 and 33, T.157N., R.92W., Mountrail County, ND, and allow one or more horizontal wells to be drilled thereon, or granting such other relief as may be appropriate.

Case No. 22284: (Continued) Application of Oasis Petroleum North America LLC for an order amending the applicable orders for the Alger-Bakken Pool to establish an overlapping 2560-acre spacing unit consisting of Sections 1 and 12, T.156N., R.93W. and Sections 6 and 7, T.156N., R.92W., Mountrail County, ND, and allow one or more horizontal wells to be drilled thereon, or granting such other relief as may be appropriate.

Case No. 22478: Application of Burlington Resources Oil & Gas Co. LP for an order amending the applicable orders for the Cabernet and/or Fayette-Bakken Pools to establish a 2560-acre spacing unit consisting

of all of Sections 6, 7, 18 and 19, T.143N., R.96W., Dunn County, ND, and allow up to twelve horizontal wells to be drilled thereon, or for such other and further relief as may be appropriate.

Case No. 22479: Application of QEP Energy Co. for an order amending the applicable orders for the Spotted Horn-Bakken Pool to provide setback relief and allow horizontal wells to be allowed to be drilled as close as 250 feet to the eastern boundary of a spacing unit described as Sections 24, 25 and 36, T.150N., R.95W. and Section 1, T.149N., R.95W., McKenzie County, ND, or for such other relief as may be appropriate.

Case No. 22480: Application of Marathon Oil Co. for an order amending the applicable orders for the Antelope-Sanish Pool (i) to authorize up to fourteen horizontal wells to be drilled on a 1280-acre spacing unit described as Sections 25 and 26, T.152N., R.94W.; (ii) to authorize up to sixteen horizontal wells to be drilled on two 1280-acre spacing units consisting of Sections 35 and 36, T.152N., R.94W.; and Sections 15 and 22, T.151N., R.94W.; and (iii) to establish an overlapping 2560-acre spacing unit consisting of Sections 25, 26, 35 and 36, T.152N., R.94W., McKenzie County, ND, and authorize up to two wells to be drilled thereon; and (iv) to grant such other relief as may be appropriate.

Case No. 22481: Application of Marathon Oil Co. for an order amending the applicable orders for the Reunion Bay-Bakken Pool (i) to authorize up to sixteen horizontal wells to be drilled on a 1600-acre spacing unit described as all of Sections 23 and 24, T.151N., R.94W. and the W/2 of Section 19, T.151N., R.93W.; (ii) to authorize up to sixteen horizontal wells to be drilled on a 1280-acre spacing unit consisting of all of Sections 17 and 20, T.151N., R.93W.; (iii) to establish an overlapping 1920-acre spacing unit consisting of all of Sections 17 and 20 and the E/2 of Sections 18 and 19, T.151N., R.93W., and authorize up to two wells to be drilled thereon; (iv) to establish an overlapping 3200-acre spacing unit consisting of all of Sections 13, 14, 23 and 24, T.151N., R.94W. and the W/2 of Sections 18 and 19, T.151N., R.93W., Mountrail and McKenzie Counties, ND, and authorize up to two wells to be drilled thereon; and granting such other relief as may be appropriate.

Case No. 22482: Application of Marathon Oil Co. for an order amending the applicable orders for the Reunion Bay-Bakken Pool to allow a well to be drilled in such fashion that portions of the well bore not isolated by cement will be as far as 350 feet and as close as 150 feet to the common section line between Sections 27 and 34; and Sections 28 and 33, T.151N., R.93W., Mountrail County, ND, either as setback relief or an exception to the well location requirements for the 1280-acre spacing unit consisting of said Sections 27 and 34 or as an additional well on the 2560-acre spacing unit consisting of Sections 27, 28, 33 and 34 without regard to the Commission's policy of requiring wells drilled on the 2560-acre spacing unit consisting of Sections 27, 28, 33 and 34, or granting such other relief as may be appropriate.

Case No. 22483: Application of Marathon Oil Co. for an order amending the applicable orders for the Bailey-Bakken Pool to (i) authorize up to nine wells to be drilled on a 1280-acre spacing unit described as Sections 17 and 20, T.146N., R.93W.; (ii) grant relief from the setback requirements to authorize wells drilled on existing 1280-acre spacing units described as Sections 17 and 20; and Sections 16 and 21, T.146N., R.93W., Dunn County, ND, to be drilled as close as 440 feet to the common boundary between the two spacing units or allow such wells to be drilled as an exception to the requirements of existing orders or alternatively authorize two additional wells to be drilled on an existing 2560-acre spacing unit described as Sections 16, 17, 20 and 21, and authorize two wells to be drilled approximately 440 feet from the common section line between Sections 16 and 21; and Sections 17 and 20 without regard to the Commission's policy of requiring such wells to be drilled in a 500 foot corridor; or (iii) granting such other and further relief as may be appropriate.

Case No. 22484: Application of Marathon Oil Co. for an order amending the applicable orders for the Bailey-Bakken Pool to dissolve a 1600-acre spacing unit described as all of Sections 27 and 34, T.147N., R.93W. and the N/2 of Section 3, T.146N., R.93W., Dunn County, ND, and establish a 1280-acre spacing unit described

as said Sections 27 and 34, and granting such other relief as may be appropriate.

Case No. 22485: Application of Marathon Oil Co. for an order amending the applicable orders for the Wolf Bay-Bakken Pool, Dunn County, ND, to allow wells to produce at a maximum efficient rate and flare gas produced in association therewith, or for such other relief as is appropriate.

Case No. 22373: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Caper #1-15-22H well (File No. 24922) located in a spacing unit described as Sections 15 and 22, T.149N., R.102W., Boxcar Butte-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 22374: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Caper #2-15-22H well (File No. 26261) located in a spacing unit described as Sections 15 and 22, T.149N., R.102W., Boxcar Butte-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 22375: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Caper #3-15-22H well (File No. 26262) located in a spacing unit described as Sections 15 and 22, T.149N., R.102W., Boxcar Butte-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 22376: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Caper #4-15-22H well (File No. 26263) located in a spacing unit described as Sections 15 and 22, T.149N., R.102W., Boxcar Butte-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 22377: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Caper #5-22-15H well (File No. 25846) located in a spacing unit described as Sections 15 and 22, T.149N., R.102W., Boxcar Butte-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 22378: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Caper #6-22-15H well (File No. 25845) located in a spacing unit described as Sections 15 and 22, T.149N., R.102W., Boxcar Butte-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 22379: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Excalibur #2-25-36H well (File No. 26218) located in a spacing unit described as Sections 25 and 36, T.149N., R.102W., Boxcar Butte-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 22380: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Excalibur #3-25-36H well (File No. 25648) located in a spacing unit described as Sections 25 and 36, T.149N., R.102W., Boxcar Butte-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 22381: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Excalibur #4-25-36H well (File No. 25649) located in a spacing unit described as Sections 25 and 36, T.149N., R.102W., Boxcar Butte-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 22382: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Excalibur #5-25-36H well (File No. 25650) located in a spacing unit described as Sections 25 and 36, T.149N., R.102W., Boxcar Butte-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 22383: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Mongoose #1-8-5H well (File No. 19863) located in a spacing unit described as Sections 5 and 8, T.149N., R.102W., Charbonneau-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 22384: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Slugger #1-16-21H well (File No. 24538) located in a spacing unit described as Sections 16 and 21, T.149N., R.102W., Charbonneau-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 22385: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Talon #1-9-4H well (File No. 25232) located in a spacing unit described as Sections 4 and 9, T.149N., R.102W., Charbonneau-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 22386: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Pirate #1-2-11H well (File No. 24668) located in a spacing unit described as Sections 2 and 11, T.149N., R.102W., Foreman Butte-Bakken Pool, McKenzie County, ND, pursuant to NDAC

appropriate.

Case No. 22387: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Pirate #2-2-11H well (File No. 26715) located in a spacing unit described as Sections 2 and 11, T.149N., R.102W., Foreman Butte-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 22388: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Pirate #3-2-11H well (File No. 26716) located in a spacing unit described as Sections 2 and 11, T.149N., R.102W., Foreman Butte-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 22389: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Pirate #4-2-11H well (File No. 26717) located in a spacing unit described as Sections 2 and 11, T.149N., R.102W., Foreman Butte-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 22390: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Pirate #5-2-11H well (File No. 26270) located in a spacing unit described as Sections 2 and 11, T.149N., R.102W., Foreman Butte-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 22391: (Continued) In the matter of the petition for a risk penalty of Emerald Oil, 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 Pirate #6-2-11H well (File No. 26271) located in a spacing unit described as Sections 2 and 11, T.149N., R.102W., Foreman Butte-Bakken Pool, McKenzie County, ND, pursuant to NDAC § 43-02-03-88.1, and such other relief as is appropriate.

Case No. 22486: Application of American Eagle Energy Corp. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 28 and 33, T.164N., R.102W., Skjermo-Bakken Pool, Divide County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 22487: Application of American Eagle Energy Corp. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 2 and 11, T.163N., R.102W., Skjermo-Bakken Pool, Divide County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 22488: Application of American Eagle Energy Corp. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit described as Sections 1 and 12, T.163N., R.103W., Flat Lake East-Bakken Pool, Divide County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 22489: Application of Kodiak Oil & Gas (USA) Inc. for an order amending the applicable orders for the Truax-Bakken Pool to authorize up to eleven horizontal wells to be drilled on a 1280-acre spacing unit described as Sections 16 and 21, T.154N., R.98W., and up to seven horizontal wells to be drilled on a 2560-acre spacing unit described as Sections 15, 16, 21 and 22, T.154N., R.98W., Williams County, ND, and for such other relief as may be appropriate.

Case No. 22490: Application of Hess Bakken Investments II, LLC, for an order amending the applicable orders for the Alger-Bakken Pool to authorize up to eleven horizontal wells to be drilled on a 1280-acre spacing unit described as Section 32, T.156N., R.93W. and Section 5, T.155N., R.93W., Mountrail County, ND, and to grant such other relief as may be appropriate.

Case No. 22491: Application of Hess Bakken Investments II, LLC, for an order amending the applicable orders for the Robinson Lake-Bakken Pool to authorize up to eleven horizontal wells to be drilled on a 1280-acre spacing unit described as all of Sections 30 and 31, T.154N., R.93W., Mountrail County, ND, and to grant such other relief as may be appropriate.

Case No. 22492: Application of Hess Bakken Investments II, LLC, for an order amending the applicable orders for the Truax-Bakken Pool to authorize up to ten horizontal wells to be drilled on two 1280-acre spacing units described as Sections 17 and 20; and Sections 18 and 19, T.153N., R.98W.; to authorize up to eleven horizontal wells to be drilled on one 1280-acre spacing unit described as Sections 4 and 9, T.154N., R.98W.; to authorize up to two horizontal wells to be drilled on two overlapping 2560-acre spacing units consisting of Sections 4, 5, 8 and 9; and Sections 29, 30, 31 and 32, T.154N., R.98W., Williams County, ND; and to grant such other relief as may be appropriate.

Case No. 22493: Application of Hess Bakken Investments II, LLC, for an order amending the applicable orders for the Glass Bluff-Bakken Pool to authorize up to six horizontal wells to be drilled on three 1280-acre spacing units described as Sections 1 and 12; Sections 13 and 24, T.151N., R.103W.; and Sections 6 and 7, T.151N., R.102W., McKenzie County ND, and to grant such other relief as may be appropriate.

Case No. 22494: Application of Hess Bakken Investments II, LLC, for an order amending the applicable orders for the Sandrocks-Bakken Pool to authorize up to ten horizontal wells to be drilled on a 1280-acre spacing unit described as Sections 25 and 36, T.151N., R.100W., McKenzie County, ND; and to grant such other relief as may be appropriate.

Case No. 22495: Application of Hess Bakken Investments II, LLC, for an order amending the applicable orders for the Juniper-Bakken Pool to authorize up to six horizontal wells to be drilled on a 1280-acre spacing unit described as Sections 26 and 35, T.149N., R.99W., McKenzie County, ND; and to grant such other relief as may be appropriate.

Case No. 22496: Application of Hess Bakken Investments II, LLC, for an order amending the applicable orders for the Big Gulch-Bakken Pool to authorize up to twelve horizontal wells to be drilled on two 1280-acre spacing units described as Section 31, T.148N., R.96W. and Section 6, T.147N., R.96W.; and Sections 7 and 18, T.147N., R.96W., Dunn County, ND; and to grant such other relief as may be appropriate.

Case No. 22497: Application of Hess Bakken Investments II, LLC pursuant to NDAC §43-02-03-88.1 for an order allowing oil and gas produced from the EN-Jeffrey A-155-94-2734H-1 (File No. 22686), EN-Jeffrey A-155-94-2734H-2 (File No. 22684), EN-Jeffrey A-155-94-2734H-3 (File No. 22682), EN-Jeffrey A-155-94-2734H-4 (File No. 25923), EN-Jeffrey A-155-94-2734H-5 (File No. 25924), EN-Jeffrey A-155-94-2734H-6 (File No. 27571), EN-Jeffrey A-155-94-2734H-7 (File No. 27572), EN-Jeffrey A-155-94-2734H-8 (File No. 27573), and the EN-Jeffrey A-155-94-

2734H-9 (File No. 27574), wells, Sections 15, 22, 27 and 34, T.155N., R.94W., Mountrail County, ND, to be commingled in a central production facility located in Section 22, T.155N., R.94W., as an exception to the provisions of NDAC § 43-02-03-48 pursuant to 43-02-03-48.1 and such other relief as is appropriate.

Case No. 22498: Application of Hess Bakken Investments II, LLC pursuant to NDAC §43-02-03-88.1 for an order allowing oil and gas produced from the EN-Jeffrey 155-94-2215H-1 (File No. 22687), EN-Jeffrey 155-94-2215H-2 (File No. 22685), and the EN-Jeffrey 155-94-2215H-3 (File No. 22683) wells, Sections 15, 22, 27 and 34, T.155N., R.94W., Mountrail County, ND, to be commingled in a central production facility located in Section 22, T.155N., R.94W., as an exception to the provisions of NDAC § 43-02-03-48 pursuant to 43-02-03-48.1 and such other relief as is appropriate.

Case No. 22499: Application of SM Energy Co. for an order amending the applicable orders for the Charlson-Bakken Pool to authorize up to twelve horizontal wells to be drilled on a 1280-acre spacing unit described as Sections 19 and 20, T.153N., R.95W., McKenzie County, ND, or granting such other relief as is appropriate.

Case No. 22500: Application of Marathon Oil Co. for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as Sections 3, 4, 9 and 10, T.151N., R.93W., Reunion Bay-Bakken Pool, Mountrail County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 22501: Application of Marathon Oil Co. for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as Sections 13, 14, 23 and 24, T.151N., R.93W., Reunion Bay-Bakken Pool, Mountrail County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 22502: Application of Marathon Oil Co. for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as Sections 26, 27, 34 and 35, T.151N., R.93W., Reunion Bay-Bakken Pool, Mountrail County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 22503: Application of Marathon Oil Co. for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as Sections 29, 30, 31 and 32, T.151N., R.93W., Reunion Bay-Bakken Pool, Mountrail County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 22504: Application of QEP Energy Co. for an order amending the applicable orders for the Van Hook-Bakken Pool to allow up to sixteen wells to be drilled on a 3200-acre spacing unit described as Sections 26, 27, 28, 29 and 30, T.150N., R.92W., Mountrail and Dunn Counties, ND, or for such other relief as may be appropriate.

Case No. 22505: Application of QEP Energy Co. for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as the W/2 of Section 6 and W/2 of Section 7, T.147N., R.92W., Heart Butte-Bakken Pool, Dunn County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 22506: Application of Whiting Oil and Gas Corp. for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as Sections 1 and 12, T.151N., R.102W. and Sections 6 and 7, T.151N., R.101W., Lonesome-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 22507: Application of Whiting Oil and Gas Corp. for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit, described as Sections 26, 27, 34 and 35, T.150N., R.100W., Arnegard-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 22508: Application of Whiting Oil and Gas Corp. for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as Sections 13 and 24, T.149N., R.100W. and Sections 18 and 19, T.149N., R.99W., Ellsworth-Bakken Pool, McKenzie County, ND, as provided by

Case No. 22509: Application of Whiting Oil and Gas Corp. for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as Sections 13, 14, 23 and 24, T.149N., R.100W., Ellsworth-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 22510: Application of Whiting Oil and Gas Corp. for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as Sections 25 and 36, T.149N., R.100W. and Sections 30 and 31, T.149N., R.99W., Ellsworth-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 22511: Application of Whiting Oil and Gas Corp. for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as Sections 4, 5, 8 and 9, T.149N., R.99W., Pleasant Hill-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 22512: Application of Whiting Oil and Gas Corp. for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as Sections 16, 17, 20 and 21, T.149N., R.99W., Pleasant Hill-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 22513: Application of Whiting Oil and Gas Corp. for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as Sections 17, 18, 19 and 20, T.149N., R.99W., Pleasant Hill-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 22514: Application of Whiting Oil and Gas Corp. for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as Sections 28, 29, 32 and 33, T.149N., R.99W., Pleasant Hill-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 22515: Application of Whiting Oil and Gas Corp. for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as Sections 29, 30, 31 and 32, T.149N., R.99W., Pleasant Hill-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 22516: Application of Whiting Oil and Gas Corp. for an order pursuant to NDAC § 43 02-03-88.1 pooling all interests in a spacing unit described as Sections 27, 28, 33 and 34, T.149N., R.99W., Juniper-Bakken Pool, McKenzie County, ND, as provided by NDCC § 38-08-08, and such other relief as is appropriate.

Case No. 22517: Application of Burlington Resources Oil & Gas Co. LP for an order amending the applicable orders for the Haystack Butte-Bakken Pool to authorize up to eight horizontal wells to be drilled on a 1280-acre spacing unit described as Sections 25 and 36, T.149N., R.97W., McKenzie County, ND, and granting such other and further relief as may be appropriate.

Signed by,
Jack Dalrymple, Governor
Chairman, ND Industrial Commission
6/6 - 20727303

STATE OF NORTH DAKOTA)
COUNTY OF BURKE)

Kristi M. Bohl of said County and State, being first duly sworn, on her oath, says that she is the owner of The Burke County Tribune, a weekly newspaper of general circulation, printed at Bowbells, in said County and State, and that she has been during the time hereinafter mentioned, and that the The Notice of Publication of

Notice of Hearing

a printed copy of which is hereto annexed, was published in the regular and entire issue of said newspaper during the period and time of publication, and that the Notice was published in the newspaper proper and not in supplement, once each week for 1 successive weeks, to wit:

6-4 2014 _____ 20 _____ 20 _____

_____ 20 _____ 20 _____ 20 _____

Kristi M. Bohl

Kristi M. Bohl, Publisher

Subscribed and sworn to before me this 4th day of

June, 2014.

Lyann Olson

Notary Public in and for
Burke County, North Dakota

1st time 54 lines at 71 per line 38.34

2nd time _____ lines at _____ per line _____

3rd time _____ lines at _____ per line _____

1st time _____ column inches at _____ per line _____

2nd time _____ column inches at _____ per line _____

TOTAL _____

LYANN OLSON
Notary Public
State of North Dakota
My Commission Expires Aug. 6, 2014

LYANN OLSON
Notary Public
State of North Dakota
My Commission Expires Aug. 6, 2014



Notice of Hearing

N.D. INDUSTRIAL COMMISSION OIL AND GAS DIVISION

The North Dakota Industrial Commission will hold a public hearing at 9:00 a.m. Wednesday, June 25, 2014, at the N.D. Oil & Gas Division, 1000 East Calgary Ave., Bismarck, N.D. At the hearing the Commission will receive testimony and exhibits. Persons with any interest in the cases listed below, take notice.

PERSONS WITH DISABILITIES: If at the hearing you need special facilities or assistance, contact the Oil and Gas Division at 701-328-8038 by Thursday, June 12, 2014.

STATE OF NORTH DAKOTA TO:

Case No. 22449: On a motion of the Commission to consider the appropriate spacing in Section 22 and the W/2 of Section 23, T.163N., R.93W., Columbus Madison Pool, Burke County, North Dakota.

Case No. 22455: Proper spacing for the development of the Short Creek-Bakken Pool, Burke County, ND, redefine the field limits, and enact such special field rules as may be necessary. Hess Bakken Investments II, LLC

Case No. 22461: Proper spacing for the development of the Northeast Foothills-Bakken Pool, Burke County, ND, redefine the field limits, and enact such special field rules as may be necessary. Cornerstone Natural Resources LLC

Case No. 22462: Proper spacing for the development of the Vanville-Bakken Pool, Burke County, ND, redefine the field limits, and enact such special field rules as may be necessary. EOG Resources, Inc.; OXY USA Inc.

Case No. 22474: Application of OXY USA, Inc. for an order amending the applicable orders to allow wells completed in the Dimond-Bakken Pool, Burke County, ND, to produce at a maximum efficient rate and flare gas produced in association with oil, or for such other relief as may be applicable.

Signed by,
Jack Dalrymple, Governor
Chairman, ND Industrial
June 4, 2014