

BEFORE THE INDUSTRIAL COMMISSION  
OF THE STATE OF NORTH DAKOTA

CASE NO. 10000  
ORDER NO. 11793

IN THE MATTER OF A HEARING CALLED ON  
A MOTION OF THE COMMISSION TO  
CONSIDER THE PROPER SPACING FOR THE  
DEVELOPMENT OF THE BURG-GUNTON  
POOL, DIVIDE AND WILLIAMS COUNTIES,  
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 27th day of March, 2008.
- (2) The witnesses for Newfield Production Company (Newfield) 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 March 31, 2008, therefore, such testimony may be considered evidence.
- (3) Geological and engineering evidence presented to the Commission relative to the matter of well spacing indicates that the Burg-Gunton Pool, as classified and defined in this order, should be developed on a pattern of one well per 320 acres for the effective and efficient recovery of oil from said pool, to assure rapid development, to avoid the drilling of unnecessary wells, and to prevent waste in a manner that will protect correlative rights.
- (4) Proper 320-acre spacing in the Gunton Pool will result in the efficient and economical development of the field as a whole and will operate so as to prevent waste and provide maximum ultimate recovery, will avoid the drilling of unnecessary wells, and will protect correlative rights.
- (5) The unrestricted flaring of gas produced from the Burg-Gunton Pool could be considered waste, and in order to minimize such, production from the pool should be restricted until the wells producing therefrom are connected to a gas gathering and processing facility.
- (6) Certain special field rules are necessary to prevent waste and protect against the contamination and pollution of surface lands and fresh waters.

IT IS THEREFORE ORDERED:

(1) The Burg Field is hereby defined as the following described tracts of land in Divide and Williams Counties, North Dakota:

TOWNSHIP 161 NORTH, RANGE 99 WEST, 5TH PM  
ALL OF SECTIONS 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 AND 36,

TOWNSHIP 161 NORTH, RANGE 98 WEST, 5TH PM  
ALL OF SECTIONS 31, 32, 33 AND 34,

TOWNSHIP 160 NORTH, RANGE 100 WEST, 5TH PM  
ALL OF SECTIONS 1, 2, 3, 10, 11, 12, 13, 14, 15, 23, 24 AND 25,

TOWNSHIP 160 NORTH, RANGE 99 WEST, 5TH PM  
ALL OF SECTIONS 1 THROUGH 36, INCLUSIVE,

TOWNSHIP 160 NORTH, RANGE 98 WEST, 5TH PM  
ALL OF SECTIONS 5, 6, 7, 8, 17, 18, 19, 20, 29, 30 AND 31,

TOWNSHIP 159 NORTH, RANGE 99 WEST, 5TH PM  
ALL OF SECTIONS 1, 2, 3, 4, 5, 8, 9, 10, 11 AND 12,

TOWNSHIP 159 NORTH, RANGE 98 WEST, 5TH PM  
ALL OF SECTION 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.

(2) The Burg-Gunton Pool is hereby defined as that accumulation of oil and gas found in the interval from below the base of the Stonewall Formation to above the top of the Stoughton Member of the Stony Mountain Formation within the limits of the field as set forth above.

(3) The proper spacing for the development of the Burg-Gunton Pool is hereby set at one well per 320 acres.

(4) All wells hereafter drilled in the Burg-Gunton Pool shall be located not less than 660 feet from a spacing unit boundary. Wells presently permitted to or producing from the pool that do not conform to this spacing pattern shall be considered exceptions.

(5) The SE/4 of Section 24 and the NE/4 of Section 25, Township 161 North, Range 99 West, Divide County, North Dakota, is hereby designated a 320-acre spacing unit in the Burg-Gunton Pool.

(6) Hereafter, spacing units in the Burg-Gunton Pool shall consist of two adjacent quarter sections, or governmental lots corresponding thereto within the same section. The configuration of spacing units, either standup or laydown, shall be determined by the location of the first well in the

section, such that the aforesaid well will be nearest to the center of the spacing unit. Spacing units for wells being equi-distant from the center of each spacing unit shall be designated by the operator; however, the Commission shall have continuing jurisdiction, and in the event that spacing units hereafter formed by this policy do not coincide with the geological and physical nature of the reservoir, the Commission may alter specific spacing units upon application by any interested party, after due notice and hearing.

(7) No well hereafter shall be drilled in the Burg-Gunton Pool except in conformity with the regulations above without special order of the Commission after due notice and hearing.

(8) The following rules concerning the casing, tubing and equipping of the wells shall apply to the subsequent drilling and operation of wells in the Burg-Gunton 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 2000 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.

(9) 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 within 45 days in all

wells hereinafter completed in the Burg-Gunton Pool. Drill stem test pressures are acceptable for determining reservoir pressure. Pressure measurements shall be made at or adjusted to a subsea datum of 9150 feet after the well has been shut in for a minimum of 48 hours. All gas-oil ratio and reservoir pressure determinations shall be made by methods approved by the Director and reported to the Director within 15 days following the end of the month in which they are determined. The Director is authorized to waive these requirements if the necessity therefor can be demonstrated to his satisfaction. All additional gas-oil ratio and reservoir pressure determinations conducted on any well, but not specifically required herein, shall be reported to the Director within 15 days following the end of the month in which they are determined.

(10) 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.

(11) All wells in the Burg-Gunton 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.

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

(13) This order shall cover all of the Burg-Gunton 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 24th day of April, 2008.

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, Marge Rixen, being duly sworn upon oath, depose and say: That on the 29th day of April, 2008 enclosed in separate envelopes true and correct copies of the attached Order No. 11793 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. 10000 :

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

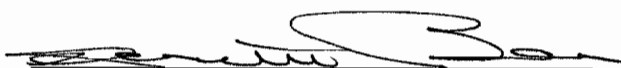
ALAN WILD  
NEWFIELD EXPLORATION CO  
950 17<sup>TH</sup> ST STE 2600  
DENVER CO 80202

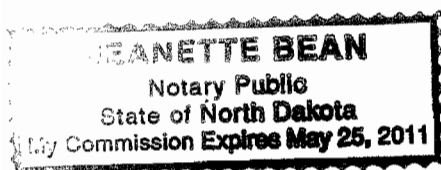
NATE GILBERTSON  
NEWFIELD EXPLORATION CO  
950 17<sup>TH</sup> ST STE 2600  
DENVER CO 80202

STACY KERCHNER  
NEWFIELD EXPLORATION CO  
950 17<sup>TH</sup> ST STE 2600  
DENVER CO 80202

  
\_\_\_\_\_  
Marge Rixen  
Oil & Gas Division

On this 29th day of April, 2008 before me personally appeared Marge Rixen 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



March 28, 2008



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

**RE: Newfield Production Company  
NDIC CASE NO. 10000**

Dear Mr. Hicks:

Please find enclosed herewith for filing the Telephonic Communication Affidavits for the captioned matter.

Should you have any questions, please advise.

Sincerely,

  
LAWRENCE BENDER

LB/leo

Enclosure

cc: Mr. Doug Cullen - (w/o enc.)

Attorneys & Advisors  
main 701.221.4020  
fax 701.221.4040  
www.fredlaw.com

Fredrikson & Byron, P.A.  
200 North Third Street, Suite 150  
Bismarck, North Dakota  
58501-3879

Before the Industrial Commission  
of the State of North Dakota

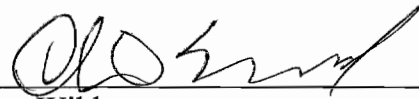
Case No. 10000

Proper spacing for the development of the Burg-  
Guntun Pool, Divide and Williams Counties, ND,  
redefine the field limits and enact such special field  
rules as may be necessary. Newfield Production  
Company



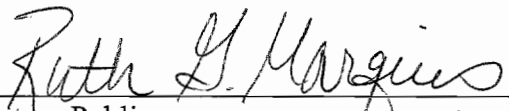
TELEPHONIC COMMUNICATION AFFIDAVIT

Alan Wild being first duly sworn deposes and states as follows: That on March 27, 2008, I testified under oath before the North Dakota Industrial Commission in Case Number 10000. My testimony was presented by telephone from (720) 205-8086, at, and on behalf of, Newfield Production Company, 950 17th Street, Suite 2600, Denver, Colorado 80202.

  
\_\_\_\_\_  
Alan Wild

STATE OF COLORADO        )  
  )ss:  
COUNTY OF DENVER        )

On March 27, 2006, Alan Wild of Newfield Production Company, known to me to be the person described in and who executed the foregoing instrument, personally appeared before me and acknowledged that he executed the same as a free act and deed.

  
\_\_\_\_\_  
Notary Public  
My Commission Expires: 4/28/2008

4345485-1.DOC  
RUTH G. MARQUIS  
NOTARY PUBLIC  
STATE OF COLORADO  
My Commission Expires 04/28/2008

Before the Industrial Commission  
of the State of North Dakota

Case No. 10000

Proper spacing for the development of the Burg-Gunton Pool, Divide and Williams Counties, ND, redefine the field limits and enact such special field rules as may be necessary. Newfield Production Company



TELEPHONIC COMMUNICATION AFFIDAVIT

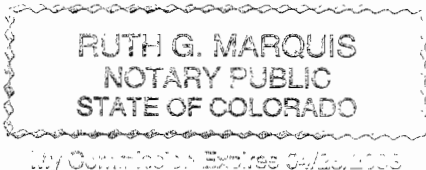
Nate Gilbertson being first duly sworn deposes and states as follows: That on March 27, 2008, I testified under oath before the North Dakota Industrial Commission in Case Number 10000. My testimony was presented by telephone from (720) 205-8086, at, and on behalf of, Newfield Production Company, 950 17th Street, Suite 2600, Denver, Colorado 80202.

Nate Gilbertson  
Nate Gilbertson

STATE OF COLORADO     )  
  )ss:  
COUNTY OF DENVER     )

On March 27, 2008, Nate Gilbertson of Newfield Production Company, known to me to be the person described in and who executed the foregoing instrument, personally appeared before me and acknowledged that he executed the same as a free act and deed.

Ruth G. Marquis  
Notary Public  
My Commission Expires: 4/28/2008  
4345487\_1.DOC





Before the Industrial Commission  
of the State of North Dakota



Proper spacing for the development of the Burg-Guntton Pool, Divide and Williams Counties, ND, redefine the field limits and enact such special field rules as may be necessary. Newfield Production Company

TELEPHONIC COMMUNICATION AFFIDAVIT

Stacy Kerchner being first duly sworn deposes and states as follows: That on March 27, 2008, I testified under oath before the North Dakota Industrial Commission in Case Number 10000. My testimony was presented by telephone from (720) 205-8086, at, and on behalf of, Newfield Production Company, 950 17th Street, Suite 2600, Denver, Colorado 80202.

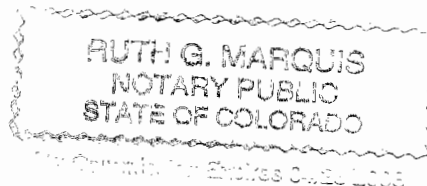
Stacy L. Kerchner  
Stacy Kerchner

STATE OF COLORADO     )  
  )ss:  
COUNTY OF DENVER     )

On March 27, 2008, Stacy Kerchner of Newfield Production Company, 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.

Ruth L. Marquis  
Notary Public  
My Commission Expires: 04-28-2008

4345491\_1.DOC





**CASE NO. 10000**

**Application For Proper Spacing For The Development of the  
BURG-GUNTON Pool**

**Plumer - Lundquist #25-2  
T161N – R99W: SE4 Sec 24, NE4 Sec 25  
Divide County, North Dakota**

**BEFORE THE  
NORTH DAKOTA INDUSTRIAL COMMISSION**

**March 27, 2008**



Locator Map

Proposed 320 ac Gunton Spacing Unit

SE/4 Sec 24 & NE/4 Sec 25

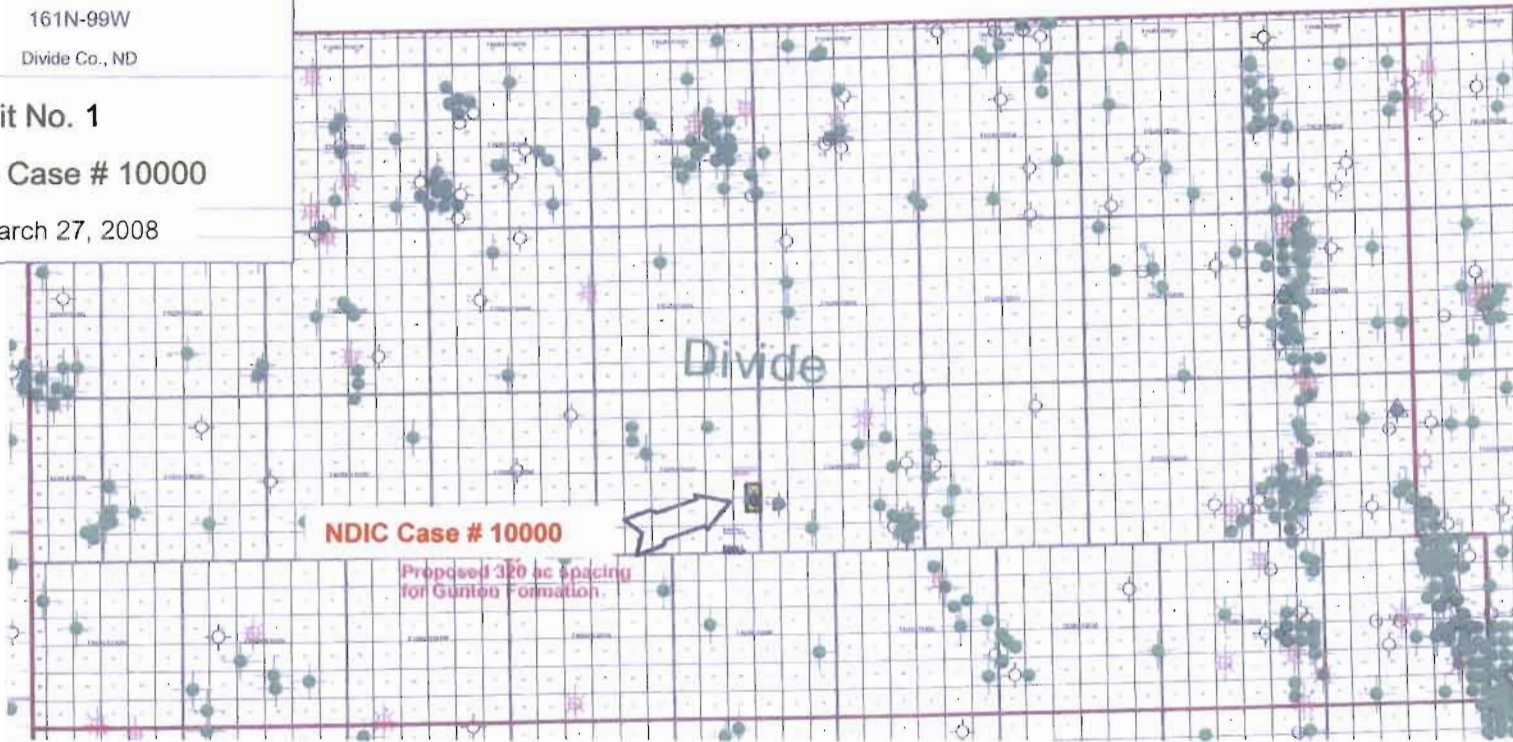
161N-99W

Divide Co., ND

Exhibit No. 1

NDIC Case # 10000

March 27, 2008



DFTRA 0222/2008 1:05:36 PM

INDUSTRIAL COMMISSION  
 STATE OF NORTH DAKOTA  
 DATE 3/27/08 CASE NO. 10000  
 Introduced By Newfield  
 Exhibit 1  
 Identified By WILD

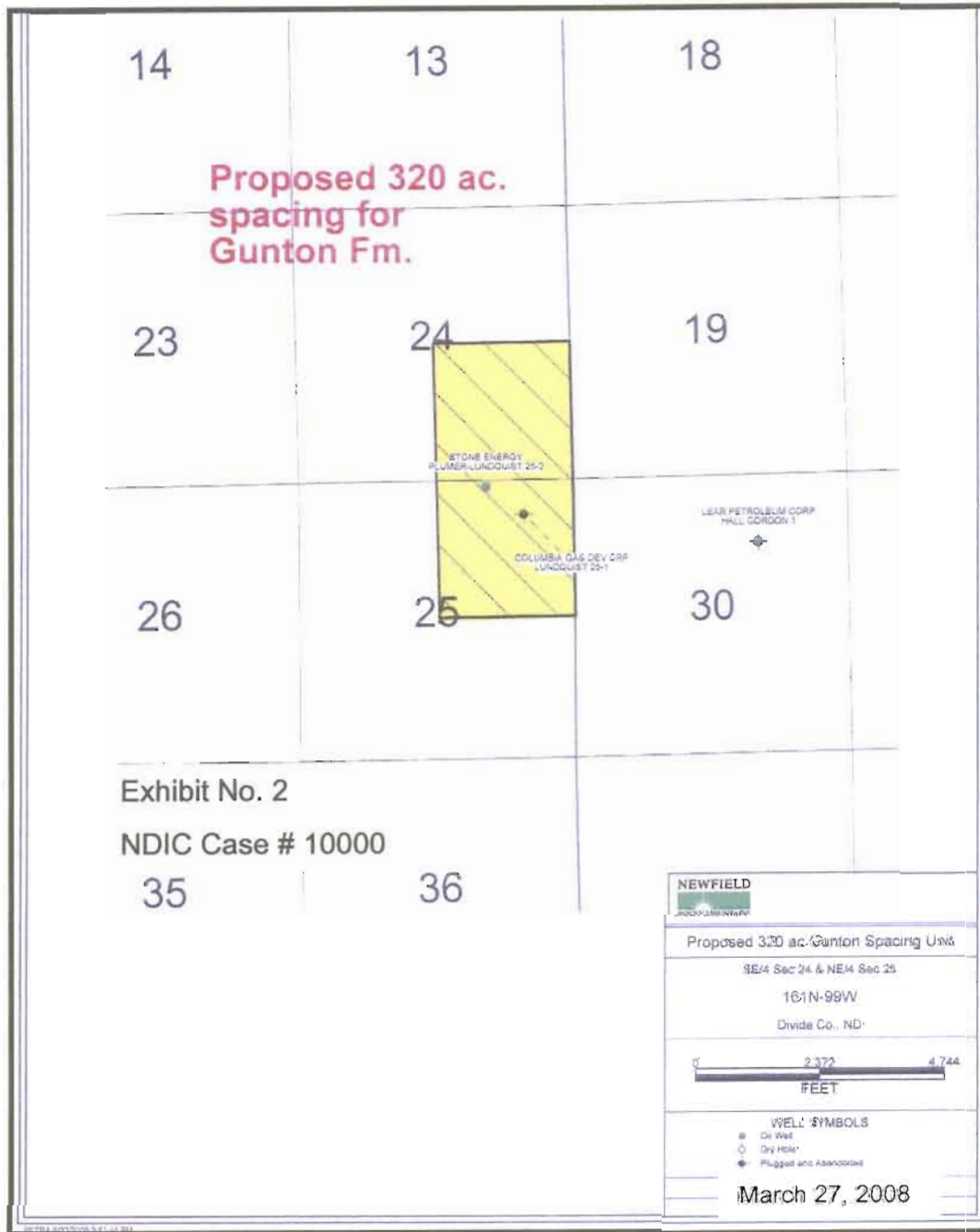
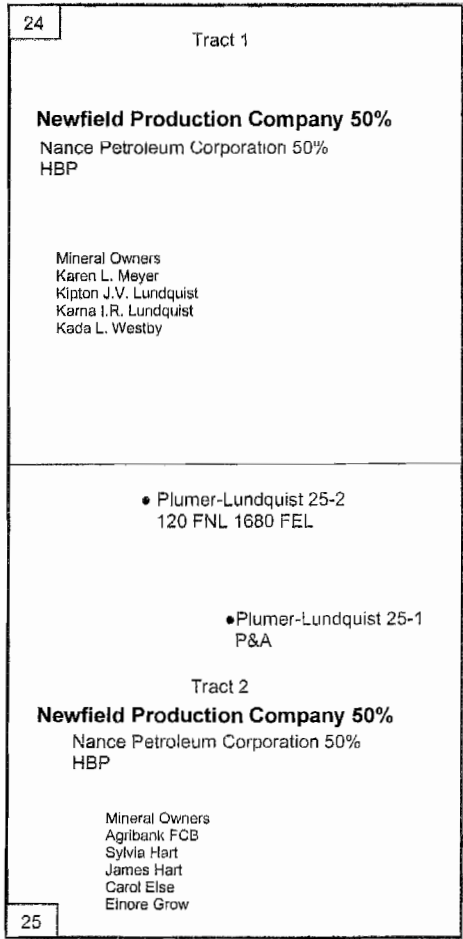


Exhibit No. 2  
NDIC Case # 10000  
35                      36

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA  
DATE 3/27/08 CASE NO. 10000  
Introduced By Newfield  
Exhibit 2  
Identified By WILD



----- Proposed pooled unit outline.  
 Proposed outline is also the boundary  
 Of the existing Burg Field

**Newfield Production Company**  
 T161N-R99W: SE4 Sec. 24, NE4 Sec. 25  
 Exhibit No. 3  
 NDIC Case # 10000

INDUSTRIAL COMMISSION  
 STATE OF NORTH DAKOTA  
 DATE 3/27/08 CASE NO. 10000  
 Introduced By Newfield  
 Exhibit 3  
 Identified By WILD

Newfield Production Company

PLUMER-LUNDQUIST 25-2  
T161N R99W S25  
NE NW NE  
2,118

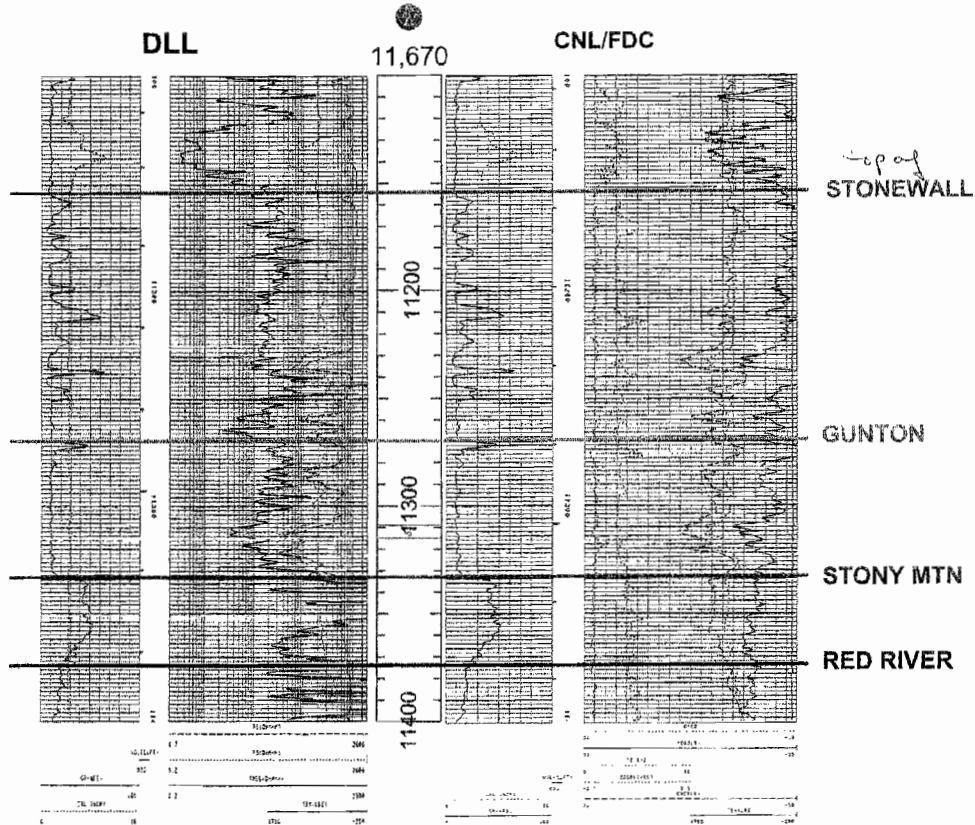


Exhibit No. 4

NDIC Case # 10000

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA

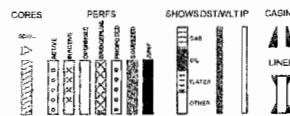
DATE 3/27/08 CASE NO. 10000

Introduced By Newfield

Exhibit 4

Identified By Gilbertson

Proposed 320 ac Gunton Spacing Unit  
161N-99W, SE/4 Sec 24 & NE/4 Sec 25  
Divide Co., ND



March 27, 2008

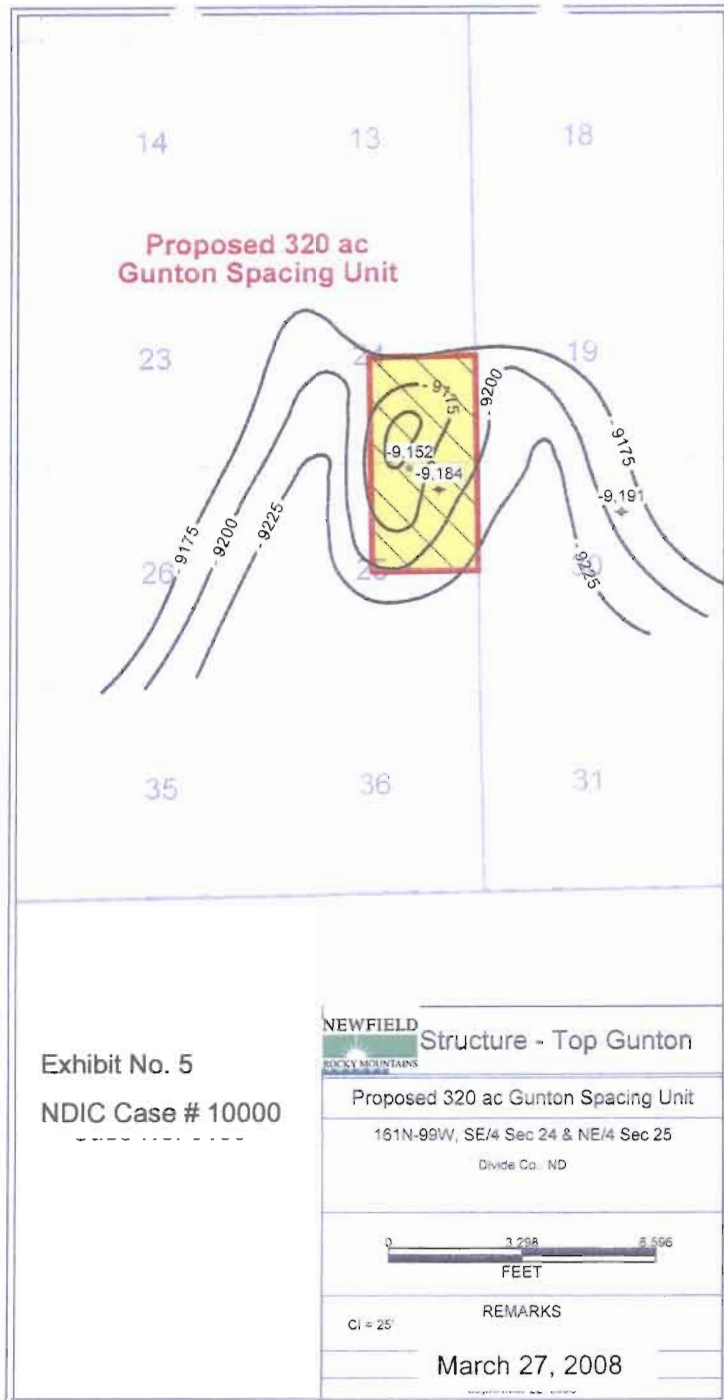


Exhibit No. 5  
 NDIC Case # 10000

**NEWFIELD**  
 ROCKY MOUNTAINS  
 Structure - Top Gunton

Proposed 320 ac Gunton Spacing Unit  
 161N-99W, SE/4 Sec 24 & NE/4 Sec 25  
 Divide Co., ND



CI = 25'

REMARKS

March 27, 2008

INDUSTRIAL COMMISSION  
 STATE OF NORTH DAKOTA  
 DATE 3/28/07 CASE NO. 10000  
 Introduced By Newfield  
 Exhibit 5  
 Identified By Gilbertson

**Plumer Lundquist 25-2**  
Current Schematic 2-22-08

NWNE Sec 25 - T161N - R99W  
Burg Field  
Divide Co., ND

Pumping Unit: Legrand Conventional C912-365-GK  
Stroke length: 145.2" (hole #2 - middle)  
SPM: 7

TUBING DETAILS (as of 5/6/07):

337 lbs 2 7/8" 6.5# N-80 ELJE Tbg  
MSN w/ 42' 1 1/4" dip tube @ 10511'  
5 1/2" x 2 7/8" TAC w/ carbide slips  
4' perf sub  
2' ss  
BP (EOT @ 10581')

Rod Details (as of 5/7/07):

1 1/2" x 30' PR  
4' x 1" proxy rod  
83 - 1" x 2.5' Norris 97 rods  
141 - 7/8" x 2.5' Norris 97 rods  
184 - 3/4" x 2.5' Norris 97 rods  
10 - 1" x 2.5' Paddled Norris 90 rods  
2 1/2" x 1 3/4" x 20' x 21' x 24' RHBH pump

Production casing detailed:

5	1/2"	23#	P-110	LT&C	13'
5	1/2"	29#	L-80	LT&C	1064'
5	1/2"	17#	L-80	LT&C	6702'
5	1/2"	23#	L-80	LT&C	7420'
5	1/2"	17#	L-80	LT&C	9768'
5	1/2"	23#	P-110	LT&C	10,268'
5	1/2"	20#	L-80	LT&C	10,405'
DV	collar				10,407'
5	1/2"	20#	L-80	LT&C	11,629'
Casing	Shoe				11,658'

Interlocks:

10,440' - 10,445' (4 spf)  
10,453' - 10,458' (4 spf)  
10,461' - 10,468' (4 spf)

Stonewall

11,228-11,237 (6 spf) 6/30/06

Gunton

11,309-11,315 (6 spf) 6/30/06

Red River C:

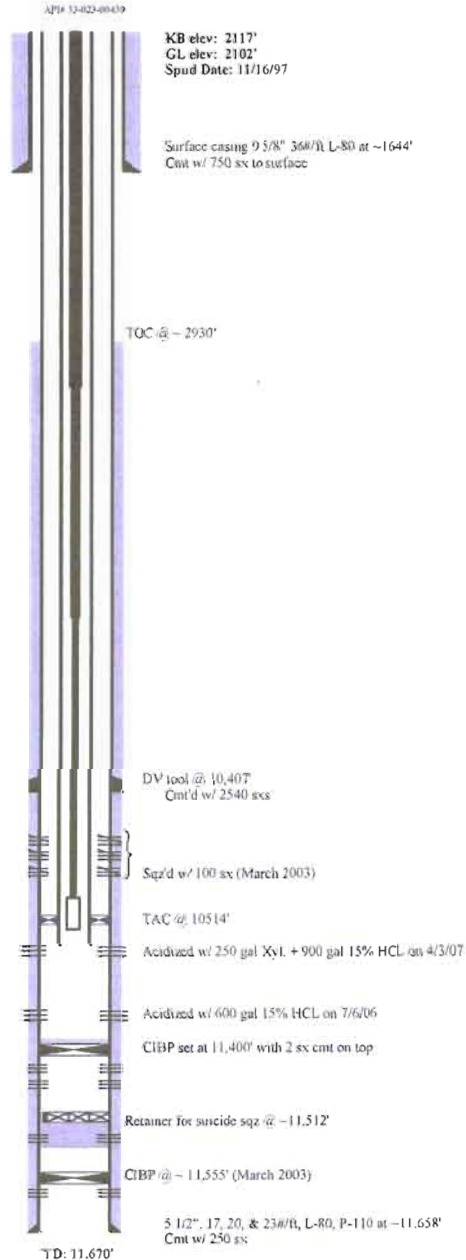
11,494' - 11,499' (4 spf)  
11,503' - 11,509' (4 spf)

Perf Breakdown, reports unclear - 1 bbl acid

11,520' - 11,530' (4 spf)

Red River D:

11,558' - 11,565' (4 spf)  
Acidize w/ 1000 gal 15% HCl



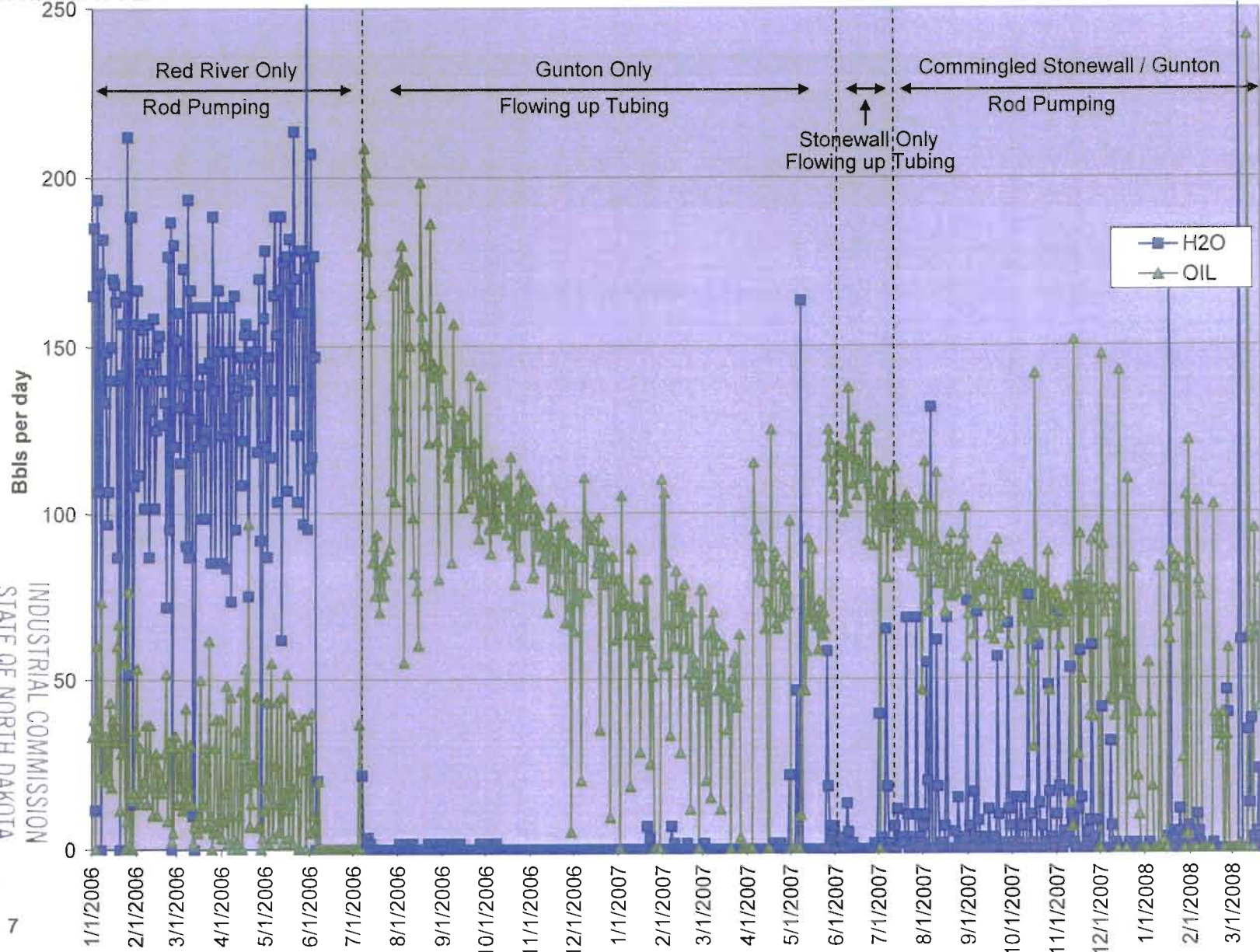
TD: 11,670'

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA  
DATE 3/27/08 CASE NO. 10000  
Introduced By Newfield  
Exhibit 6  
Identified By Kachner





# Plumer Lundquist 25-2 Daily Production



IDENTIFIED BY Kachvitz  
 INTRODUCED BY Newfield  
 DATE 3/27/08  
 CASE NO. 10000

Exhibit No. 7  
 NDIC Case # 10000

INDUSTRIAL COMMISSION  
 STATE OF NORTH DAKOTA



**ASTRO-CHEM LAB, INC.**

P. O. BOX 372 • WILLISTON, ND 58902-0372

TELEPHONE  
701-572-7355

December 7, 2007

Newfield Exploration Co.  
1401 17<sup>th</sup> Street  
Suite 1000  
Denver, CO 80202  
Attn: K. Bloomfield

Dear Sir:

Crude oil from the Plummer Lundquist 25-2 was submitted for "FINGERPRINT" analysis. The results are as follows:

I Ratios of compounds to each other.

BLEND			
Gunton	Stonewall	C17:ISO	C17:C18
100	0	7.32	2.35
75	25	6.44	2.11
50	50	5.50	1.88
25	75	4.68	1.61
0	100	3.80	1.36
<b>Produced Crude Oil</b>		5.12	1.73

II Allocation of production to formations.

Gunton	37.4% By Volume
Stonewall	62.6% By Volume

If you have any questions or need further assistance, please do not hesitate to call. Thank you for allowing Astro-Chem to be of service.

Sincerely,

Bruce Kylio  
Astro-Chem Lab, Inc.

BK:ms

F-06-4320

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA  
DATE 3/27/08 CASE NO. 10000  
Introduced By Newfield  
Exhibit 8  
Identified By Kerchner

Exhibit No. 8

NDIC Case # 10000

Lease Name: PLUMER-LUNDQUIST (25-2)  
County, ST: DIVIDE, ND  
Location: 25 161N 99W NE NW NE

Operator: NEWFIELD PRODUCTION COMPANY  
Field Name: BURG

Plumer Lundquist 25-2: Gunton/Stonewall



Exhibit No. 9

NDIC Case # 10000

**RESERVOIR DATA****Gunton interval**

Plumer-Lundquist 25-2 well  
 NW/4 NE/4 of Sec 25-T161N-R99W  
 Divide County, North Dakota

Formation Type:	Limestone / Dolomite
Vertical Thickness:	5 ft avg
Porosity:	7% avg
Water Saturation:	27% avg
Oil Gravity:	41.5 degrees API @ 60 deg F
Bottomhole Temperature:	211 deg F
Formation Volume Factor:	1.6
Gas-Oil Ratio:	1100 Scf/STB
Gas:	0.95 Specific Gravity / 1200 BTU factor (est)
Original Oil-in-Place for 320 acres:	396 MBO (Factor 247.77 STB/Ac-ft)

**Gunton**

Pres-init	5260	psig	calculated estimate
API oil	41.5		from analyzed sample
SG oil	0.82	to water	estimated
GOR	1100	scf/bbl	estimated
Sw-init	27	%	calculated from logs
Tres	211	deg F	calculated from logs
Viscosity	3.7	cp	from analyzed sample
Porosity	7	%	calculated from logs
Thickness	5	feet	net pay from logs
k	38	md	calculated from Darcy's eqn
Resistivity (water)	0.015	Ohms	estimated
Bo	1.6	bbl/bbl	calculated estimate
Pour Point	57	deg F	from analyzed sample
Bubble Point	2340	psi	calculated estimate
Drive Mechanism	Solution Gas Drive		
Darcy's Radial	$q = \frac{2(\pi)hk(P_i - P_{wf})}{(\text{visc})\ln(R/r_w)}$		

INDUSTRIAL COMMISSION  
 STATE OF NORTH DAKOTA  
 DATE 3/27/08 CASE NO. 10000  
 Introduced By Newfield  
 Exhibit 10  
 Identified By Kerchner

Exhibit No. 10

NDIC Case # 10000



**Plumer-Lundquist 25-2 well: Gunton interval**  
**NW/4 NE/4 of Sec 25-T161N-R99W in Divide County, N. Dakota**

BAF = Bbls per Acre-ft =  $[7758 * \text{Phi} * (1-\text{Swi}) * \text{RF}] / \text{Boi}$

OOIP = Original Oil-in-Place =  $[7758 * A * h * \text{Phi} * (1-\text{Swi})] / \text{Boi}$

EUR = Est. Ultimate Recovery =  $\text{OOIP} * \text{RF} = [7758 * A * h * \text{Phi} * (1-\text{Swi}) * \text{RF}] / \text{Boi}$

Where:

- Phi = Avg porosity, decimal 0.0700
- Swi = Avg initial water saturation, decimal 0.27
- Boi = Initial oil formation volume factor, RB/STB 1.6
- RF = Recovery factor (assumed), decimal 0.16
- 7758 = Conversion factor, Bbls/Acre-ft 7758
- h = Avg height of formation, ft 5
- A = Drainage Area, acres see below

BAF = 39.96 STB/Ac-ft OOIP Reserves Factor: 247.77 STB/Ac-ft

Given calculated "BAF" above and avg "h" shown,  
**EUR's for various drainage areas and assumed RF...**

Drainage Area, Acres	GROSS 8/8ths MBO	OOIP Gross MBO
1280	256	1,586
640	128	793
320	64	396
160	32	198
80	16	99
40	8	50

INDUSTRIAL COMMISSION  
 STATE OF NORTH DAKOTA

DATE 3/27/08 CASE NO. 10000  
 Introduced By Newfield  
 Exhibit 11  
 Identified By Reichner

Exhibit No. 11

NDIC Case # 10000



## ECONOMIC SUMMARY TABLE

Assumptions: \$80.00/Bbl, Opex \$7500/W/Mo,  
20.375% Royalties

<i>Parameter</i>	Plumer-Lundquist 25-2 Gunton interval
EUR Oil (MBO)	64
EUR Gas (MMCFG)	70
R.F. as % of OOIP	16.1%
Net Sales (M\$)	1,064
Severance Tax (M\$)	122
Operating Costs (M\$)	146
Net Income (M\$)	795
Investment (M\$)	209
Undiscounted Cash Flow (M\$)	586
Return on Investment Ratio	3.80

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA  
DATE 3/27/08 CASE NO. 10000  
Introduced By Newfield  
Exhibit 12  
Identified By [Signature]

March 12, 2008

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



**RE: Newfield Production Company  
NDIC CASE NO. 10000**

Dear Mr. Hicks:

Please find enclosed herewith for filing a NOTICE TO PARTICIPATE BY TELEPHONIC MEANS for the captioned matter.

Should you have any questions, please advise.

Sincerely,

A handwritten signature in black ink, appearing to read "L. Bender".

LAWRENCE BENDER

LB/leo

Enclosure

cc: Mr. Doug Cullen - (w/enc.)

Attorneys & Advisors  
main 701.221.4020  
fax 701.221.4040  
www.fredlaw.com

Fredrikson & Byron, P.A.  
200 North Third Street, Suite 150  
Bismarck, North Dakota  
58501-3879

Before the Industrial Commission  
of the State of North Dakota



Case No. 10000

**Proper spacing for the development of the Burg-Gunton Pool, Divide and Williams Counties, ND, redefine the field limits and enact such special field rules as may be necessary. Newfield Production Company**

**NOTICE TO PARTICIPATE BY TELEPHONIC MEANS**

In accordance with the provisions of Section 43-02-03-88.2 of the North Dakota Administrative Code, Newfield Production Company ("Newfield"), an interested party in the above-captioned matter, hereby notifies the North Dakota Industrial Commission, that it intends to appear in the above-entitled matter by telephonic means. The telephone number for Newfield is (303) 685-8066. Lawrence Bender, Fredrikson & Byron, P.A., 200 North 3<sup>rd</sup> Street, Suite 150, P.O. Box 1855, Bismarck, ND 58502-1855, (701) 221-4020, is counsel for Newfield and will be present at the hearing.

DATED this 12th day of March, 2008.

Fredrikson & Byron, P.A.

By 

LAWRENCE BENDER, ND Bar #03908  
*Attorneys for Newfield Production Company*  
200 North 3<sup>rd</sup> Street, Suite 150  
P. O. Box 1855  
Bismarck, ND 58502-1855  
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# Oil and Gas Division

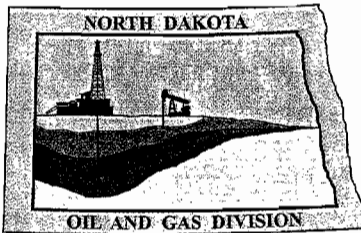
Lynn D. Helms - Director      Bruce E. Hicks - Assistant Director

## Department of Mineral Resources

Lynn D. Helms - Director

## North Dakota Industrial Commission

[www.oilgas.nd.gov](http://www.oilgas.nd.gov)



February 29, 2008

TO:      NEWFIELD PRODUCTION COMPANY  
         1401 17TH ST STE 1000  
         DENVER CO 80202

FROM:   North Dakota Industrial Commission  
         Governor John Hoeven, Chairman

SUBJECT:   Proper Spacing Hearing

The proper spacing for the development of the BURG-GUNTON Pool, DIVIDE AND WILLIAMS County, North Dakota will be considered at the North Dakota Industrial Commission hearing on March 27, 2008.

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:

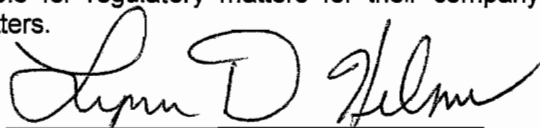
- 1)    Name, address, and phone number of the operator of all wells in the field.
- 2)    Size and shape of the spacing units, well locations, and field rules being requested. If the requested spacing units are rectangular, indicate the desired orientation. Include any requests for exceptions needed.
- 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

**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, March 27, 2008, 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, March 14, 2008.

**STATE OF NORTH DAKOTA TO:**

Case No. 10000: Proper spacing for the development of the Burg-Gunton Pool, Divide and Williams Counties, ND, redefine the field limits, and enact such special field rules as may be necessary. Newfield Prod Co.

Case No. 9940: (Continued) Temporary spacing to develop an oil and/or gas pool discovered by the Newfield Production Co. #25-2 Plumer-Lundquist, NWNE Section 25, T.161N., R.99W., Divide County, ND, define the field limits, and enact such special field rules as may be necessary.

Case No. 10001: Application of Samson Resources Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Wenstad #15-162-97H well, described as Section 15, T.162N., R.97W., Bluffton-Bakken Pool, Divide County, ND; authorizing the recovery from each nonparticipating owner a risk penalty as provided by NDCC § 38-08-08 and such other relief as is appropriate.



*Handwritten initials 'd'*

# Affidavit of Publication

State of North Dakota, County of Divide, ss:

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

**NOTICE OF HEARING**

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

**March 5, 2008 ..... 72 lines @ .57 = 41.04**

Case No. 10005: Application of Continental Resources, Inc. for an order extending the field boundaries and amending the field rules for the Dolphin-Bakken Pool to create and establish two 1280-acre spacing units comprised of Sections 29 and 32; and Sections 30 and 31, T.161N., R.95W., Divide County, ND, authorizing the drilling of one horizontal well on each spacing unit and such other relief as is appropriate.

**\$41.04**

Signed \_\_\_\_\_

*Handwritten signature of Steven J. Andrist*

Steven J. Andrist, Publisher

Subscribed and sworn to before me March 5, 2008

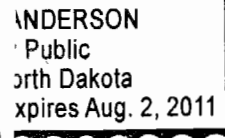
*Handwritten signature of Vonni L. Anderson*

Vonni L. Anderson

Notary Public, State of North Dakota  
My Commission Expires August 2, 2011

Signed by,  
John Hoeven, Governor  
Chairman,  
ND Industrial Commission

(3-5)



AFFIDAVIT OF PUBLICATION

STATE OF NORTH DAKOTA )
:SS. 11448
COUNTY OF WILLIAMS )

LEANN K. CARRAWAY

OK being first

duly sworn, deposes and says: The (he) (she) is the Agent to the Publisher of the Williston Herald a newspaper printed and published six days a week in the County of Williams, State of North Dakota, and of general circulation in the City of Williston, County Williams, State of North Dakota and elsewhere, and thehereto attached

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, March 27, 2008, 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, March 14, 2008.

STATE OF NORTH DAKOTA TO:

Case No. 9994: Application of Encore Operating, L.P. for an order pursuant to NDAC § 43-02-03-88.1 allowing the production from the Duperow Formation and the Stonewall Pool to be commingled in the well bore of the Fjerstad #14 11 A well, SWSW of Section 11, T.156N., R.102W., Bonetrail Field, Williams County, ND, and such other relief as is appropriate.

Case No. 9997: Application of Headington Oil Co., LLC for an order extending the field boundaries and amending the field rules for the Grinnell-Bakken Pool to create five 1280-acre spacing units comprised of Sections 14 and 23; Sections 15 and 22; Sections 24 and 25; Sections 26 and 35; and Sections 27 and 34, T.154N., R.96W., McKenzie and Williams Counties, ND, authorizing the drilling of a horizontal well within each spacing unit not less than 500 feet to the boundary of each spacing unit and such other relief as is appropriate.

Case No. 9998: Application of Headington Oil Co., LLC for an order extending the field boundaries and amending the field rules for the West Capa-Bakken Pool to create two 1280-acre spacing units comprised of Sections 4 and 9, T.154N., R.96W., and Sections 28 and 33, T.155N., R.96W., Williams County, ND, authorizing the drilling of a horizontal well within each spacing unit not less than 500 feet to the boundary of each spacing unit and such other relief as is appropriate.

Case No. 9999: Application of Headington Oil Co., LLC for an order amending the field rules for the Beaver Lodge-Bakken Pool to create a 1280-acre spacing unit comprised of Sections 16 and 21, T.155N., R.96W., Williams County, ND, authorizing the drilling of a horizontal well within said spacing unit not less than 500 feet to the boundary of said spacing unit and such other relief as is appropriate.

Case No. 9824: (Continued) Application of Headington Oil, LP for an order authorizing the flaring of gas from the Harney #41X-2, Lot 1 of Section 2, Township 154 North, Range 96 West, Williams County, ND, Capa-Bakken Pool, as an exception to the provisions of NDCC § 38-08-06.4 and for such other relief as is appropriate. Case No. 10000: Proper spacing for the development of the Burg-Gunton Pool, Divide and Williams Counties, ND, redefine the field limits, and enact such special field rules as may be necessary; Newfield Prod Co.

NOTICE OF HEARING
CASE NO. 9994



was printed and published correctly in the regular and entire issue of said Williston Herald and for 1 issues, that the first was made of the 5th day of MARCH 20 08 and the last publication thereof was made on the 5th day of

MARCH 20 08 that said publication was made on each of the following dates, to wit:

03/05/08

Request of

N D INDUSTRIAL COMMISSION

Case No. 9762: (Continued) Proper spacing for the development of the Sixmile-Madison Pool, Williams County, ND, redefine the field limits, and enact such special field rules as may be necessary. Samson Resources Co. Case No. 10002: Application of Zenergy, Inc. for an order extending the field boundaries and amending the field rules for the Briar Creek-Madison Pool to create and establish two 640-acre spacing units comprised of Section 7 (consisting of a total of 320 acres) and the W/2 of Section 8; and the E/2 of Section 8 and the W/2 of Section 9, T.152N., R.104W., McKenzie and Williams Counties, ND, authorizing the drilling of one horizontal well on each spacing unit and such other relief as is appropriate. Signed by, John Hoeven, Governor Chairman, ND Industrial Commission (March 5, 2008)

Williston Herald

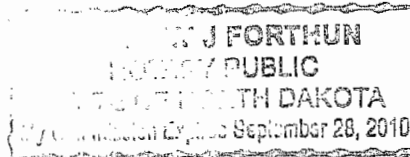
[Signature] for me this 5th day of MARCH

[Signature] Beverly J. Fathman

Notary Public in and for the County of Williams, State of North Dakota

Legal column inch

My Commission Expires:



Handwritten signature/initials

## 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, March 27, 2008, 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, March 14, 2008.

### STATE OF NORTH DAKOTA TO:

**Case No. 9989:** Temporary spacing to develop an oil and/or gas pool discovered by the Armstrong Operating, Inc., #22-1 Schmidt, SWNE Section 22, T.142N., R.98W., Billings County, ND, define the field limits, and enact such special field rules as may be necessary.

**Case No. 9991:** Application of Encore Operating, L.P. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Rogne #1-35H, Section 35, T.145N., R.95W., Murphy Creek-Bakken Pool, Dunn County, ND, authorizing the recovery from each nonparticipating owner a risk penalty as provided by NDCC § 38-08-08 and such other relief as is appropriate. **Case No. 9992:** Application of Encore Operating, L.P. for an order extending the field boundaries and amending the field rules for the Murphy Creek-Bakken Pool to create three 1280-acre spacing units comprised of Sections 17 and 20; Sections 18 and 19; and Sections 30 and 31, T.145N., R.95W., Dunn County, ND, authorizing the drilling of a horizontal well within each spacing unit not less than 500 feet to the boundary of each spacing unit and such other relief as is appropriate. **Case No. 9993:** Application of Encore Operating, L.P. for an order extending the field boundaries and amending the field rules for the Murphy Creek-Bakken Pool to create a 1280-acre spacing unit comprised of Sections 23 and 26, T.145N., R.95W., Dunn County, ND, authorizing the drilling of a horizontal well within said spacing unit not less than 500 feet to the boundary of said spacing unit and such other relief as is appropriate. **Case No. 9994:** Application of Encore Operating, L.P. for an order pursuant to NDAC § 43-02-03-88.1 allowing the production from the Duperow Formation and the Stonewall Pool to be commingled in the well bore of the Fjerstad #14 11 A well, SWSW of Section 11, T.156N., R.102W., Bonetrail Field, Williams County, ND, and such other relief as is appropriate. **Case No. 9767:** (Continued) Application of Encore Operating, L.P. for an order amending the field rules for the Charlson-Bakken Pool to create three 1280-acre spacing units comprised of Sections 6 and 7, Sections 8 and 17, and Sections 16 and 21, T.153N., R.95W., McKenzie County, ND, authorizing the drilling of one horizontal well within said spacing unit not less than 500 feet to the boundary of said spacing unit and for such other relief as is appropriate. **Case No. 9957:** (Continued) Application of Encore Operating, L.P. for an order pursuant to NDAC § 43-02-03-88.1 allowing the production from the Red River, Stonewall, Duperow, Birdbear and Madison Pools to be commingled in the well bore of the Nelson 17 #1 well, NWNW Section 17, T.152N., R.101W., Camp Field, McKenzie County, ND, and such other relief as is appropriate. **Case No. 9995:** Proper spacing for the development of the Bullsake-Bakken Pool, Billings County, ND, redefine the field limits, and enact such special field rules as may be necessary. **Headington Oil LP Case No. 9996:** Application of Headington Oil Co. LLC for an order pooling all interests in a spacing unit for the Lost Bear State #33X-36, Sections 35 and 36, T.149N., R.96W., Bear Den-Bakken Pool, McKenzie County, ND, and such other relief as is appropriate. **Case No. 9997:** Application of Headington Oil Co. LLC for an order extending the field boundaries and amending the field rules for the Grinnell-Bakken Pool to create five 1280-acre spacing units comprised of Sections 14 and 23; Sections 15 and 22; Sections 24 and 25; Sections 26 and 25; and Sections 27 and 34, T.154N., R.96W., McKenzie and Williams Counties, ND, authorizing the drilling of a horizontal well within each spacing unit not less than 500 feet to the boundary of each spacing unit and such other relief as is appropriate. **Case No. 9998:** Application of Headington Oil Co. LLC for an order extending the field boundaries and amending the field rules for the West Capa-Bakken Pool to create two 1280-acre spacing units comprised of Sections 4 and 9, T.154N., R.96W., and Sections 28 and 33, T.155N., R.96W., Williams County, ND, authorizing the drilling of a horizontal well within each spacing unit not less than 500 feet to the boundary of each spacing unit and such other relief as is appropriate. **Case No. 9999:** Application of Headington Oil Co. LLC for an order amending the field rules for the Beaver Lodge-Bakken Pool to create a 1280-acre spacing unit comprised of Sections 16 and 21, T.155N., R.96W., Williams County, ND, authorizing the drilling of a horizontal well within said spacing unit not less than 500 feet to the boundary of said spacing unit and such other relief as is appropriate. **Case No. 9824:** (Continued) Application of Headington Oil, LP for an order authorizing the flaring of gas from the Harney #41X-2, Lot 1 of Section 2, Township 154 North, Range 96 West, Williams County, ND, Capa-Bakken Pool, as an exception to the provisions of NDCC § 38-08-06.4 and for such other relief as is appropriate. **Case No. 10000:** Proper spacing for the development of the Burg-Gunton Pool, Divide and Williams Counties, ND, redefine the field limits, and enact such special field rules as may be necessary. **Newfield Prod. Co. Case No. 9940:** (Continued) Temporary spacing to develop an oil and/or gas pool discovered by the Newfield Production Co. #25-2 Plumer-Lundquist, NWNE Section 25, T.161N., R.99W., Divide County, ND, define the field limits, and enact such special field rules as may be necessary. **Case No. 10001:** Application of Samson Resources Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Venstad #15-162-97H well, described as Section 15, T.162N., R.97W., Bluffton-Bakken Pool, Divide County, ND; authorizing the recovery from each nonparticipating owner a risk penalty as provided by NDCC § 38-08-08 and such other relief as is appropriate. **Case No. 9762:** (Continued) Proper spacing for the development of the Sixmile-Madison Pool, Williams County, ND, redefine the field limits, and enact such special field rules as may be necessary. **Samson Resources Co. Case No. 10002:** Application of Zenergy, Inc. for an order extending the field boundaries and amending the field rules for the Briar Creek-Madison Pool to create and establish two 640-acre spacing units comprised of Section 7 (consisting of a total of 320 acres) and the W/2 of Section 8; and the E/2 of Section 8 and the W/2 of Section 9, T.152N., R.104W., McKenzie and Williams Counties, ND, authorizing the drilling of one horizontal well on each spacing unit and such other relief as is appropriate. **Case No. 10003:** Application of Continental Resources, Inc. for an order extending the field boundaries and amending the field rules for the North Tioga-Bakken Pool to create and establish three 640-acre spacing units comprised of Sections 7, 18, and 19, T.159N., R.94W., Burke County, ND, authorizing the drilling of one horizontal well on each spacing unit and such other relief as is appropriate. **Case No. 10004:** Application of Continental Resources, Inc. for an order extending the field boundaries and amending the field rules for the Stoneview-Bakken Pool to create and establish a 1280-acre spacing unit comprised of Sections 21 and 28, T.161N., R.94W., Burke County, ND, authorizing the drilling of one horizontal well on said spacing unit and such other relief as is appropriate. **Case No. 10005:** Application of Continental Resources, Inc. for an order extending the field boundaries and amending the field rules for the Dolphin-Bakken Pool to create and establish two 1280-acre spacing units comprised of Sections 29 and 32; and Sections 30 and 31, T.161N., R.95W., Divide County, ND, authorizing the drilling of one horizontal well on each spacing unit and such other relief as is appropriate. **Case No. 10006:** Application of Continental Resources, Inc. for an order amending the field rules for the Hamlet-Bakken Pool to create and establish a 1280-acre spacing unit comprised of Sections 25 and 36, T.160N., R.96W., Divide County, ND, authorizing the drilling of one horizontal well on said spacing unit and such other relief as is appropriate. **Case No. 10007:** Application of Continental Resources, Inc. for an order extending the field boundaries and amending the field rules for the Jim Creek-Bakken Pool to create and establish two 1280-acre spacing units comprised of Sections 7 and 18; and Sections 8 and 17, T.145N., R.96W., Dunn County, ND, authorizing the drilling of one horizontal well on each spacing unit and such other relief as is appropriate. **Case No. 10009:** Application of Continental Resources, Inc. for an order pursuant to NDCC § 43-02-03-88.1 pooling all interests in a spacing unit for the Jean Nelson #1-35H well, Sections 26 and 35, T.156N., R.91W., Mountrail County, ND; authorizing the recovery from each nonparticipating owner a risk penalty as provided by NDCC § 38-08-08 and such other relief as is appropriate.

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**Case No. 10010:** Application of Continental Resources, Inc. for an order creating a 1280-acre drilling unit comprised of Sections 4 and 9, T.161N., R.94W., Burke County, ND, authorizing the drilling of a horizontal well within said drilling unit at a location not less than 500 feet from the boundary of said drilling unit and such other relief as is appropriate. **Case No. 10011:** Application of Continental Resources, Inc. for an order creating a 1280-acre drilling unit comprised of Sections 6 and 7, T.151N., R.97W., McKenzie County, ND, authorizing the drilling of a horizontal well within said drilling unit at a location not less than 500 feet from the boundary of said drilling unit and such other relief as is appropriate. **Case No. 10012:** Application of Continental Resources, Inc. for an order creating a 1280-acre drilling unit comprised of Sections 29 and 32, T.149N., R.96W., McKenzie County, ND, authorizing the drilling of a horizontal well within said drilling unit at a location not less than 500 feet from the boundary of said drilling unit and such other relief as is appropriate. **Case No. 9815:** (Continued) Application of Continental Resources, Inc. for an order creating a 1280-acre drilling unit comprised of Sections 6 and 7, T.149N., R.95W., McKenzie County, ND, authorizing the drilling of a horizontal well within said drilling unit at a location not less than 500 feet from the boundary of said drilling unit and for such other relief as is appropriate. **Case No. 9780:** (Continued) Application of Continental Resources, Inc. for an order extending the field boundaries and amending the field rules for the Blue Buttes-Bakken Pool to create and establish a 1280-acre spacing unit comprised of Sections 30 and 31, T.150N., R.95W., McKenzie County, ND, authorizing the drilling of one horizontal well on said spacing unit and for such other relief as is appropriate. **Case No. 10013:** Application of Tracker Resource Development II, LLC for an order extending the field boundaries and amending the field rules for the Little Knife-Bakken Pool to create and establish three 1280-acre spacing units comprised of Sections 17 and 20, T.144N., R.97W.; Sections 25 and 36; and Sections 28 and 33, T.145N., R.97W., Dunn County, ND, authorizing the drilling of one horizontal well on each spacing unit and such other relief as is appropriate. **Case No. 10014:** Application of Tracker Resource Development II, LLC for an order creating two 1280-acre drilling units comprised of Sections 4 and 9 and Sections 25 and 36, T.146N., R.97W., Dunn County, ND, authorizing the drilling of a horizontal well within each drilling unit at a location not less than 500 feet from the boundary of each drilling unit and such other relief as is appropriate. **Case No. 10015:** Application of Tracker Resource Development II, LLC for an order creating two 1280-acre drilling units comprised of Sections 18 and 19; and Sections 29 and 32, T.145N., R.96W., Dunn County, ND, authorizing the drilling of a horizontal well within each drilling unit at a location not less than 500 feet from the boundary of each drilling unit and such other relief as is appropriate. **Case No. 10016:** Application of Tracker Resource Development II, LLC for an order creating four 1280-acre drilling units comprised of Sections 3 and 10; Sections 14 and 23; Sections 28 and 33; and Sections 29 and 32, T.145N., R.92W., Dunn County, ND, authorizing the drilling of a horizontal well within each drilling unit at a location not less than 500 feet from the boundary of each drilling unit and such other relief as is appropriate. **Case No. 10017:** Application of Tracker Resource Development II, LLC for an order creating a 1280-acre drilling unit comprised of Sections 27 and 34, T.144N., R.95W., Dunn County, ND, authorizing the drilling of a horizontal well within said drilling unit at a location not less than 500 feet from the boundary of said drilling unit and such other relief as is appropriate. **Case No. 10018:** Application of Tracker Resource Development II, LLC for an order creating a 1280-acre drilling unit comprised of Sections 3 and 10, T.144N., R.93W., Dunn County, ND, authorizing the drilling of a horizontal well within said drilling unit at a location not less than 500 feet from the boundary of said drilling unit and such other relief as is appropriate. **Case No. 10019:** Application of Fidelity Expl. & Prod. Co. for an order extending the field boundaries and amending the field rules for the Sanish-Bakken Pool to create and establish twelve 640-acre spacing units comprised of Sections 19, 20, 21, 22, 27, 28, 29, 30, 31, 32, 33 and 34, T.154N., R.92W., Mountrail County, ND, authorizing the drilling of one horizontal well on each spacing unit and such other relief as is appropriate. **Case No. 10020:** Application of Fidelity Expl. & Prod. Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Frandson 11-23H, Section 23, T.153N., R.92W., Sanish-Bakken Pool, Mountrail County, ND, authorizing the recovery from each nonparticipating owner a risk penalty as provided by NDCC § 38-08-08 and such other relief as is appropriate. **Case No. 10021:** Application of Fidelity Expl. & Prod. Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Annala 11-36H, Section 36, T.153N., R.92W., Sanish-Bakken Pool, Mountrail County, ND, authorizing the recovery from each nonparticipating owner a risk penalty as provided by NDCC § 38-08-08 and such other relief as is appropriate. **Case No. 10022:** Application of Fidelity Expl. & Prod. Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Deadwood Canyon Ranch 43-28H, Section 28, T.154N., R.92W., Sanish-Bakken Pool, Mountrail County, ND, authorizing the recovery from each nonparticipating owner a risk penalty as provided by NDCC § 38-08-08 and such other relief as is appropriate. **Case No. 10023:** Application of Fidelity Expl. & Prod. Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Deadwood Canyon Ranch 11-5H, Section 5, T.153N., R.92W., Sanish-Bakken Pool, Mountrail County, ND, authorizing the recovery from each nonparticipating owner a risk penalty as provided by NDCC § 38-08-08 and such other relief as is appropriate. **Case No. 10024:** Application of Fidelity Expl. & Prod. Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Domaskin 11-29H, Section 29, T.154N., R.92W., Sanish-Bakken Pool, Mountrail County, ND, authorizing the recovery from each nonparticipating owner a risk penalty as provided by NDCC § 38-08-08 and such other relief as is appropriate. **Case No. 10025:** Application of Fidelity Expl. & Prod. Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Meiers 11-19H, Section 19, T.154N., R.92W., Sanish-Bakken Pool, Mountrail County, ND, authorizing the recovery from each nonparticipating owner a risk penalty as provided by NDCC § 38-08-08 and such other relief as is appropriate. **Case No. 10026:** Application of Fidelity Expl. & Prod. Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Fladeland 11-21H, Section 21, T.154N., R.92W., Sanish-Bakken Pool, Mountrail County, ND, authorizing the recovery from each nonparticipating owner a risk penalty as provided by NDCC § 38-08-08 and such other relief as is appropriate. **Case No. 10027:** Application of Ansbro Petroleum Co., LLC for an order extending the field boundaries and amending the field rules for the Murphy Creek-Bakken Pool to create and establish seven 1280-acre spacing units comprised of Sections 1 and 12; Sections 3 and 10; Sections 4 and 9; Sections 5 and 8; and Sections 6 and 7, T.143N., R.95W., and Sections 27 and 34 and Section 28 and 33, T.144N., R.95W., Dunn County, ND, authorizing the drilling of one horizontal well on each spacing unit and such other relief as is appropriate. **Case No. 10028:** Application of Prima Exploration, Inc. for an order pursuant to NDAC § 43-02-03-88.1 authorizing the conversion to saltwater disposal into the Dakota Group of the #24-33-164-90H Steamboat, SESW Section 33, T.164N., R.90W., Customs Field, Burke County, ND, pursuant to NDAC Chapter 43 02 05 and such other relief as is appropriate. **Case No. 9802:** (Continued) Application of EOG Resources, Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Herbert #1-26H, Section 26, T.153N., R.90W., Parshall-Bakken Pool, Mountrail County, ND, authorizing the recovery from each nonparticipating owner a risk penalty as provided by NDCC § 38-08-08 and for such other relief as is appropriate. **Case No. 9962:** (Continued) Temporary spacing to develop an oil and/or gas pool discovered by the Eagle Operating, Inc. #29-5 E-M Cleone, SWNW Section 29, T.163N., R.87W., Renville County, ND, define the field limits, and enact such special field rules as may be necessary. **Case No. 9651:** (Continued) On a motion of the Commission to consider the appropriate spacing for the Upton Resources U.S.A. Inc. #1-18H Tracy Mountain Federal, located in the NE 1/4 SE 4 of Section 13, T.138N., R.102W., Tracy Mountain Field, Billings County, North Dakota.

Signed by,  
John Hoeven, Governor  
Chairman, ND Industrial Commission