

BEFORE THE INDUSTRIAL COMMISSION  
OF THE STATE OF NORTH DAKOTA

CASE NO. 11616  
ORDER NO. 13751

IN THE MATTER OF A HEARING CALLED ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONTINENTAL RESOURCES, INC. FOR AN ORDER AUTHORIZING THE DRILLING, COMPLETING AND PRODUCING OF AN INCREASE DENSITY WELL ON A 1280-ACRE SPACING UNIT FOR THE SADLER-BAKKEN POOL DESCRIBED AS SECTIONS 27 AND 34, T.161N., R.95W., DIVIDE COUNTY, ND AND SUCH OTHER RELIEF AS THE IS APPROPRIATE.

ORDER OF THE COMMISSION

THE COMMISSION FINDS:

- (1) This cause came on for hearing at 9:00 a.m. on the 24th day of September, 2009.
- (2) The witnesses for Continental Resources, Inc. (Continental) provided telephonic testimony in this matter pursuant to North Dakota Administrative Code (NDAC) Section 43-02-03-88.2. Telephonic Communication Affidavits were received on September 29, 2009, therefore, such testimony may be considered evidence.
- (3) Continental made application to the Commission for an order authorizing the drilling, completing and producing of an increase density well on a 1280-acre spacing unit for the Sadler-Bakken Pool described as Sections 27 and 34, Township 161 North, Range 95 West, Divide County, North Dakota (Sections 27 and 34), and such other relief as the is appropriate.
- (4) Order No. 12224 entered in Case No. 10456, the most recent spacing order for the Sadler-Bakken Pool, established proper spacing for the development of Zone I at one well per 160 acres, Zone II at one horizontal well per 640 acres, and Zones III and IV at one horizontal well per 1280 acres.
- (5) Sections 27 and 34 constitute a 1280-acre spacing unit in Zone III in the Sadler-Bakken Pool.
- (6) Continental drilled and completed their Arvid #1-34H well (File No. 17283) as a single-lateral horizontal producer in the upper Three Forks Formation in the Sadler-Bakken Pool on the spacing unit described as Sections 27 and 34. The well was drilled from a surface

location 375 feet from the south line and 1625 feet from the east line of Section 34. The casing was set horizontally in the Bakken Pool north of the surface location at approximately 868 feet from the south line and 1615 feet from the east line of Section 34 and the lateral was then drilled to a bottom hole location approximately 530 feet from the north line and 1336 feet from the east line of Section 27.

(7) Continental proposes to drill an additional single-lateral horizontal well in the 1280-acre spacing unit described as Sections 27 and 34 in the middle member of the Bakken Formation in the Sadler-Bakken Pool from a surface location 250 feet from the south line and 1980 feet from the east line of Section 34. The casing will be set horizontally in the Bakken Pool north of the surface location at a legal location and the lateral will then be drilled to a bottom hole location approximately 550 feet from the north line and 1700 feet from the east line of Section 27. Utilization of horizontal drilling technology as proposed would result in the well being completed at a location or locations not in compliance with current applicable spacing orders for the Sadler-Bakken Pool. The surface and bottom hole locations herein depicted may be preliminary and could be changed for various reasons which is permissible.

(8) Continental presented evidence the proposed additional wells will recover additional reserves and will be economic.

(9) Flexibility with respect to spacing unit size and location of wells in the Sadler-Bakken Pool is essential to efficiently produce as much recoverable oil and gas as economically possible.

(10) Pursuant to North Dakota Century Code Section 38-08-07, spacing units must be of uniform size and shape for the entire pool, except when found necessary to prevent waste, avoid the drilling of unnecessary wells, or to protect correlative rights, the Commission is authorized to divide any pool into zones and establish spacing units for each zone, which units may differ in size and shape from those established in any other zone.

(11) Zones of different spacing within the Sadler-Bakken Pool will allow the flexibility needed for utilization of horizontal drilling.

(12) Granting flexibility in spacing unit size and in locating and drilling additional wells will result in economic and efficient development of the oil and gas resources in a manner that prevents waste and protects correlative rights.

(13) There were no objections to this application.

(14) Approval of this application will prevent waste, avoid the drilling of unnecessary wells, and protect correlative rights.

**IT IS THEREFORE ORDERED:**

(1) Sections 27 and 34, Township 161 North, Range 95 West, Divide County, North Dakota, are hereby established as a 1280-acre spacing unit, allowing up to two horizontal wells within said spacing unit within the Sadler-Bakken Pool, and Zone IV is hereby redefined to include said spacing unit. Existing and future vertical and directional wells drilled within the spacing unit herein established shall conform to the applicable spacing requirements providing for the orderly development of Zone I in the Sadler-Bakken Pool.

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

(3) The Sadler Field is hereby defined as the following described tracts of land in Divide County, North Dakota:

TOWNSHIP 161 NORTH, RANGE 95 WEST, 5TH PM  
ALL OF SECTIONS 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 15, 16, 17, 21, 22, 23, 26, 27, 28, 33, 34 AND 35, AND THE N/2 OF SECTION 20,

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.

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

ZONE I

TOWNSHIP 161 NORTH, RANGE 95 WEST, 5TH PM  
ALL OF SECTIONS 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 15, 16, 17, 21, 22, 23, 26, 27, 28, 33, 34 AND 35, AND THE N/2 OF SECTION 20\*,

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.

\*Note Section 20, Township 161 North, Range 95 West, Divide County, North Dakota, is a 640-acre spacing unit in the Dolphin-Bakken Pool.

ZONE II (Exclusively for horizontal wells)

TOWNSHIP 161 NORTH, RANGE 95 WEST, 5TH PM  
ALL OF SECTION 17.

ZONE III (Exclusively for horizontal wells)

TOWNSHIP 161 NORTH, RANGE 95 WEST, 5TH PM  
ALL OF SECTIONS 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 15, 16, 21, 22, 23, 26, 28, 33, AND 35.

ZONE IV (Exclusively for horizontal wells)

TOWNSHIP 161 NORTH, RANGE 95 WEST, 5TH PM  
ALL OF SECTIONS 27 AND 34.

(5) The Sadler-Bakken Pool is hereby redefined 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.

(6) The proper spacing for the development of Zone I in the Sadler-Bakken Pool is hereby set at one well per 160 acres.

(7) All wells hereafter drilled in Zone I in the Sadler-Bakken Pool shall be located not less than 500 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.

(8) Spacing units in Zone I in the Sadler-Bakken Pool shall consist of a governmental quarter section or governmental lots corresponding thereto.

(9) Provisions established herein for Zone II in the Sadler-Bakken Pool are for the exclusive purpose of drilling horizontal wells. Existing and future vertical and directional wells drilled within the area defined as Zone II in paragraph (4) above shall conform to the applicable spacing requirements for the orderly development of Zone I in the Sadler-Bakken Pool.

(10) The proper spacing for the development of Zone II in the Sadler-Bakken Pool is hereby set at one horizontal well per 640 acres.

(11) All portions of the well bore not isolated by cement of any horizontal well hereafter drilled in Zone II in the Sadler-Bakken Pool shall be no closer than 500 feet to the boundary of the spacing unit. Measurement inaccuracies in the directional survey equipment need not be considered except when determined necessary by the Director.

(12) Spacing units in Zone II in the Sadler-Bakken Pool shall consist of a governmental section or governmental lots corresponding thereto.

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

(14) Provisions established herein for Zone III in the Sadler-Bakken Pool are for the exclusive purpose of drilling horizontal wells. Existing and future vertical and directional wells drilled within the area defined as Zone III in paragraph (4) above shall conform to the applicable spacing requirements for the orderly development of Zone I in the Sadler-Bakken Pool.

(15) The proper spacing for the development of Zone III in the Sadler-Bakken Pool is hereby set at one horizontal well per 1280 acres.

(16) All portions of the well bore not isolated by cement of any horizontal well hereafter drilled in Zone III in the Sadler-Bakken Pool shall be no closer than 500 feet to the boundary of

the spacing unit. Measurement inaccuracies in the directional survey equipment need not be considered except when determined necessary by the Director.

(17) Sections 2 and 11; Sections 3 and 10; Sections 4 and 9; Sections 5 and 8; Sections 6 and 7; Sections 14 and 23; Sections 15 and 22, Sections 16 and 21; Sections 26 and 35; and Sections 28 and 33, Township 161 North, Range 95 West, Divide County, North Dakota, are hereby designated 1280-acre spacing units in Zone III in the Sadler-Bakken Pool.

(18) Spacing units hereafter created in Zone III in the Sadler-Bakken Pool shall be standup spacing units consisting of two adjacent governmental sections or governmental lots corresponding thereto.

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

(20) Provisions established herein for Zone IV in the Sadler-Bakken Pool are for the exclusive purpose of drilling horizontal wells. Existing and future vertical and directional wells drilled within the area defined as Zone IV in paragraph (4) above shall conform to the applicable spacing requirements for the orderly development of Zone I in the Sadler-Bakken Pool.

(21) The proper spacing for the development of Zone IV in the Sadler-Bakken Pool is hereby set at up to two horizontal wells per 1280 acres.

(22) All portions of the well bore not isolated by cement of any horizontal well hereafter drilled in Zone IV in the Sadler-Bakken Pool shall be no closer than 500 feet to the boundary of the spacing unit. Measurement inaccuracies in the directional survey equipment need not be considered except when deemed necessary by the Director.

(23) Sections 27 and 34, Township 161 North, Range 95 West, Divide County, North Dakota, are hereby designated a 1280-acre spacing unit in Zone IV in the Sadler-Bakken Pool.

(24) Spacing units hereafter created in Zone IV in the Sadler-Bakken Pool shall be standup spacing units consisting of two adjacent governmental sections.

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

(26) The operator of any horizontally drilled well in the Sadler-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.

(27) 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 Sadler-Bakken Pool.

(28) 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 Sadler-Bakken Pool; (2) determine whether the separate zones of spacing established herein are warranted; and, (3) make such further amendments or modifications to the spacing requirements for the Sadler-Bakken Pool as the Commission deems appropriate.

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

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

- (a) The surface casing shall consist of new or reconditioned pipe that has been previously tested to 1000 pounds per square inch. The casing shall be set and cemented at a point not less than 50 feet below the base of the Fox Hills Formation. Sufficient cement shall be used to fill the annular space outside the pipe to the surface of the ground or the bottom of the cellar, and sufficient scratchers and centralizers shall be used to assure a good cement job. Cement shall be allowed to stand a minimum of 12 hours before drilling the plug or initiating tests. The quality of cement shall conform to the standards provided under NDAC Section 43-02-03-21;
- (b) The producing or oil string shall consist of new or reconditioned pipe that has been previously tested to 2000 pounds per square inch. Casing shall be set and cemented at a point not higher than the top of the producing formation, or at a point approved by the Director. Sufficient cement shall be used and applied in such manner to protect and isolate all formations containing oil and/or gas, protect the pipe through salt sections encountered, and to isolate the Dakota-Lakota Series. The cement shall be allowed to stand a minimum of 15 hours before drilling the plug or initiating tests. The quality of cement shall conform to the standards provided under NDAC Section 43-02-03-21. After cementing, the casing shall be tested by application of pump pressure of at least 1500 pounds per square inch. If, at the end of 30 minutes this pressure shall have dropped 150 pounds per square inch or more, the casing shall be repaired. Thereafter, the casing shall again be tested in the same manner. Further work shall not proceed until a satisfactory test has been obtained;
- (c) All well-head fittings and connections shall have a working pressure in excess of that to which they are expected to be subjected; and,
- (d) All wells shall be equipped with tubing; a tubing packer must also be utilized in flowing wells unless a waiver is obtained from the Director after demonstrating the casing will not be subjected to excessive pressure or corrosion; all tubing shall be of sufficient internal diameter to allow the passage of a bottom hole pressure gauge for the purpose of obtaining bottom hole pressure measurements.

(31) 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 Sadler-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 6280 feet. All gas-oil ratio and reservoir pressure determinations shall be made by methods approved by the Director and reported to the Director within 15 days following the end of the month in which they are determined. The Director is authorized to waive these requirements if the necessity therefore can be demonstrated to his satisfaction. All additional gas-oil ratio and reservoir pressure determinations conducted on any well, but not specially required herein, shall be reported to the Director within 15 days following the end of the month in which they are determined.

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

(33) All wells in the Sadler-Bakken Pool shall be allowed to produce at a maximum efficient rate for a period of 30 days commencing on the first day oil is produced through well-head equipment into tanks from the ultimate producing interval after casing has been run; thereafter, oil production from such wells shall not exceed an average of 100 barrels of oil per day; if and when such wells are connected to a gas gathering and processing facility the foregoing restrictions shall be removed, and the wells shall be allowed to produce at a maximum efficient rate. The Director is authorized to issue an administrative order allowing unrestricted production at a maximum efficient rate for a period not to exceed 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, if the necessity therefor can be demonstrated to his satisfaction.

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

(35) This order shall cover all of the Sadler-Bakken Pool common source of supply of crude oil and/or natural gas as herein defined, and all provisions of the pool 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 2nd day of October, 2009.

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA

By the Director, on behalf of the Commission

/s/ Lynn D. Helms, Director

SFN 5729

STATE OF NORTH DAKOTA

AFFIDAVIT OF MAILING

COUNTY OF BURLEIGH

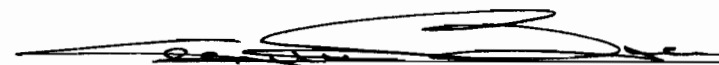
I, Jeanette Bean, being duly sworn upon oath, depose and say: That on the 9<sup>th</sup> day of October, 2009 enclosed in separate envelopes true and correct copies of the attached Order No. 13751 of the North Dakota Industrial Commission, and deposited the same with the United States Postal Service in Bismarck, North Dakota, with postage thereon fully paid, directed to the following persons by the Industrial Commission in Case No. 11616 :

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

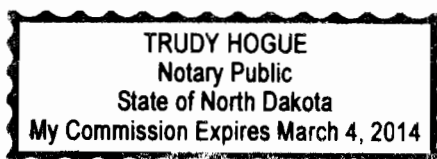
KEN SMITH  
302 N. INDEPENDENCE AVENUE  
ENID, OK 73702-1032

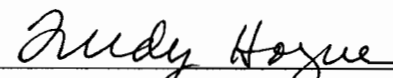
LISA ALWERT  
302 N. INDEPENDENCE AVENUE  
ENID, OK 73702-1032

LARRY CAMPBELL  
302 N. INDEPENDENCE AVENUE  
ENID, OK 73702-1032

  
Jeanette Bean  
Oil & Gas Division

On this 9<sup>th</sup> day of October, 2009 before me personally appeared Jeanette Bean to me known as the person described in and who executed the foregoing instrument and acknowledged that she executed the same as her free act and deed.



  
Notary Public  
State of North Dakota, County of Burleigh



# Fredrikson

& BYRON, P.A.

October 1, 2009



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

**RE: CASE NO. 11616  
APPLICATION OF  
CONTINENTAL RESOURCES**

Dear Mr. Hicks:

Please find enclosed herewith for filing an OIL ANALYSIS REPORT and DISTILLATION REPORT to supplement the record in regard to the above-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: Ms. Beth Steier - (w/o enc.) *Via Email*  
4628299\_1.DOC

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

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

# ASTRO-CHEM LAB, INC.

4102 2nd Ave. West

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

Phone: (701) 572-7355

## OIL ANALYSIS REPORT

SAMPLE NUMBER 0-09-2491

DATE OF ANALYSIS 9-11-09

COMPANY Continental Resources, Inc.

CITY Enid

STATE OK

WELL NAME Arvid 1-34H

DATE RECEIVED 8-6-09

DST NUMBER

SAMPLE SOURCE Treater

FORMATION

DEPTH

LOCATION

SECTION

TOWNSHIP

RANGE

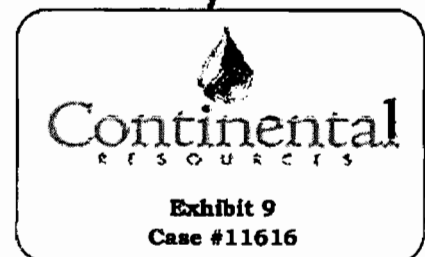
DISTRIBUTION Distribution List



Specific Gravity : 0.8189 at 60/60 °F  
API Gravity : 41.3 at 60 °F  
Salt Content : 4 lbs/1000 bbls  
Pour Point : (-40 °F  
Viscosity : 2.31 Kinematic cSt at 100 °F  
33.7 Saybolt Universal Seconds at 100 °F  
Total Sulfur : 0.15 % by Weight  
BS&W : 0.1 % in Gross Sample  
0.1 % in Sample as Analyzed  
Paraffin : 0.90 % by Weight

REMARKS Sampled 8-6-09 by Jacca

ANALYZED BY: 



4102 2nd Ave. West

# ASTRO-CHEM LAB, INC.

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

Phone: (701) 572-7355

## DISTILLATION REPORT

Sample Number O-09-2491

Date Analyzed 9/11/09



Continental Resources, Inc.

Erid

OK

Company

City

State

Treater Arvid I-34H

Source

Well Name

Formation

Depth

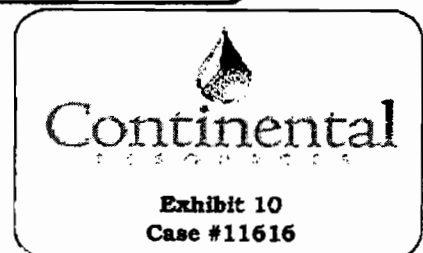
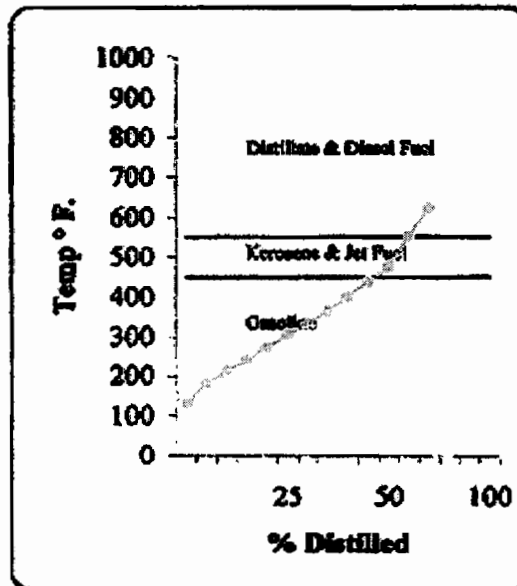
**ENGLER DISTILLATION; 100 mL SAMPLE**

**INITIAL BOILING POINT 130° F.**

**REMARKS:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

mL Distilled	Temp ° F.	% Distilled
IBP	130	
5	180	5
10	212	10
15	243	15
20	273	20
25	305	25
30	333	30
35	365	35
40	402	40
45	439	45
50	476	50
60	554	60
70	625	70
80		80
90		90
100		100



# Fredrikson

& BYRON, P.A.

September 25, 2009




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

**RE: Continental Resources, Inc.  
NDIC CASE NO. 11616**

Dear Mr. Hicks:

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

Should you have any questions, please advise.

Sincerely,  
  
LAWRENCE BENDER

LB/mk

Enclosure

cc: Beth Steier - (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 NORTH DAKOTA INDUSTRIAL COMMISSION

OF THE STATE OF NORTH DAKOTA

Case No. 11616

Application of Continental Resources, Inc. for an order authorizing the drilling, completing and producing of an increase density well on a 1280-acre spacing unit for the Sadler-Bakken Pool described as Sections 27 and 34, T.161N., R.95W., Divide County, ND and such other relief as the is appropriate.



TELEPHONIC COMMUNICATION AFFIDAVIT

Ken Smith being first duly sworn deposes and states as follows: That on September 24, 2009, I testified under oath before the North Dakota Industrial Commission in Case Number 11616. My testimony was presented by telephone from (580) 233-8955, at the offices of and on behalf of Continental Resources, Inc., 302 N. Independence Avenue, Enid, Oklahoma 73702-1032.

*Ken Smith*  
\_\_\_\_\_  
Ken Smith

STATE OF OKLAHOMA     )  
  )ss:  
COUNTY OF GARFIELD    )

On September 24, 2009, Ken Smith of Continental Resources, Inc., 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.



*Beth A. Steier*  
\_\_\_\_\_  
Beth A. Steier, Notary Public  
County of Garfield, State of Oklahoma  
My Commission Expires: March 28, 2011



BEFORE THE NORTH DAKOTA INDUSTRIAL COMMISSION

OF THE STATE OF NORTH DAKOTA

Case No. 11616

Application of Continental Resources, Inc. for an order authorizing the drilling, completing and producing of an increase density well on a 1280-acre spacing unit for the Sadler-Bakken Pool described as Sections 27 and 34, T.161N., R.95W., Divide County, ND and such other relief as the is appropriate.



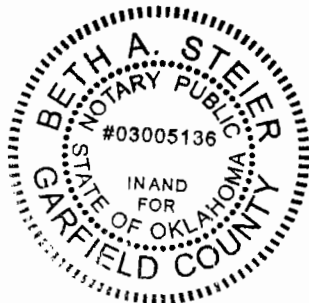
TELEPHONIC COMMUNICATION AFFIDAVIT


Larry Campbell being first duly sworn deposes and states as follows: That on September 24, 2009, I testified under oath before the North Dakota Industrial Commission in Case Number 11616. My testimony was presented by telephone from (580) 233-8955, at the offices of and on behalf of Continental Resources, Inc., 302 N. Independence Avenue, Enid, Oklahoma 73702-1032.

  
Larry Campbell

STATE OF OKLAHOMA     )  
  )ss:  
COUNTY OF GARFIELD    )

On September 24, 2009, Larry Campbell of Continental Resources, Inc., 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.



  
Beth A. Steier, Notary Public  
County of Garfield, State of Oklahoma  
My Commission Expires: March 28, 2011



**Case No. 11613**

Temporary Spacing of the Tangsrud #1-1H well  
All of Sections 1 & 12 -160N-96W  
Divide County, North Dakota

**Case No. 11614**

Application for an order authorizing an Increased Density well  
All of Sections 30 & 31-160N-95W  
Divide County, North Dakota

**Case No. 11616**

Application for an order authorizing an Increased Density well  
All of Sections 27 & 34-161N-95W  
Divide County, North Dakota

**Case No. 11428**

Proper Spacing for the development of the Charlie Bob-Bakken Pool  
McKenzie County, North Dakota

**Case No. 11286**

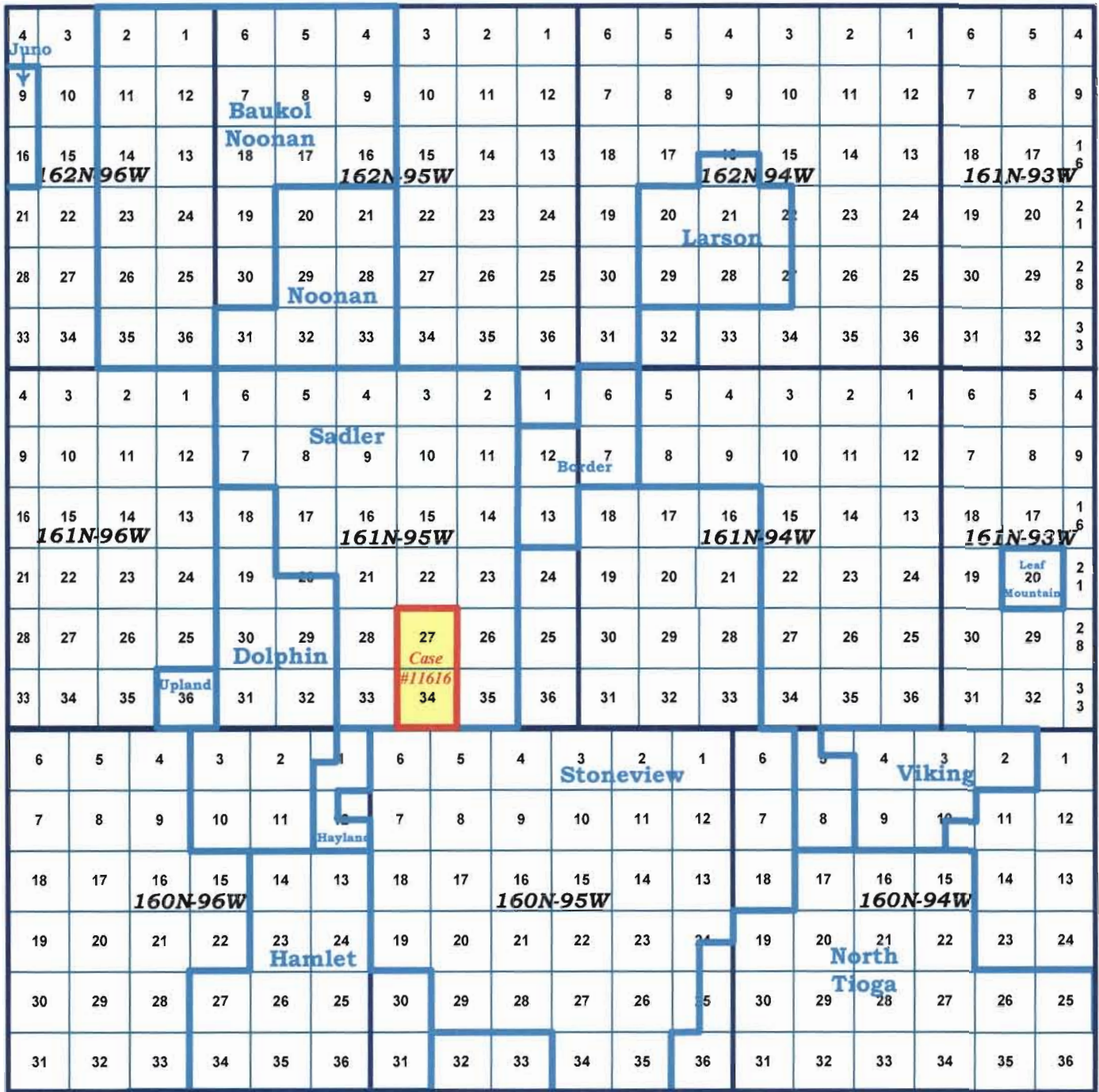
Temporary Spacing of the McCoy #1-18H well  
All of Sections 18 & 19-159N-95W  
Williams County, North Dakota

**Case No. 11183**

Application for an order extending the field boundaries and amending the field rules  
to establish eight 1280-acre spacing units  
All of Sections 1 & 12-159N-96W  
Williams County, North Dakota

Before the  
North Dakota Industrial Commission  
September 24, 2009





**Field Outlines**



**Increased Density**



**County Boundaries**

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA

DATE 9/24/09 CASE NO. 11616

Introduced By Continental

Exhibit 1

Identified By Alwert



# General Locator Map

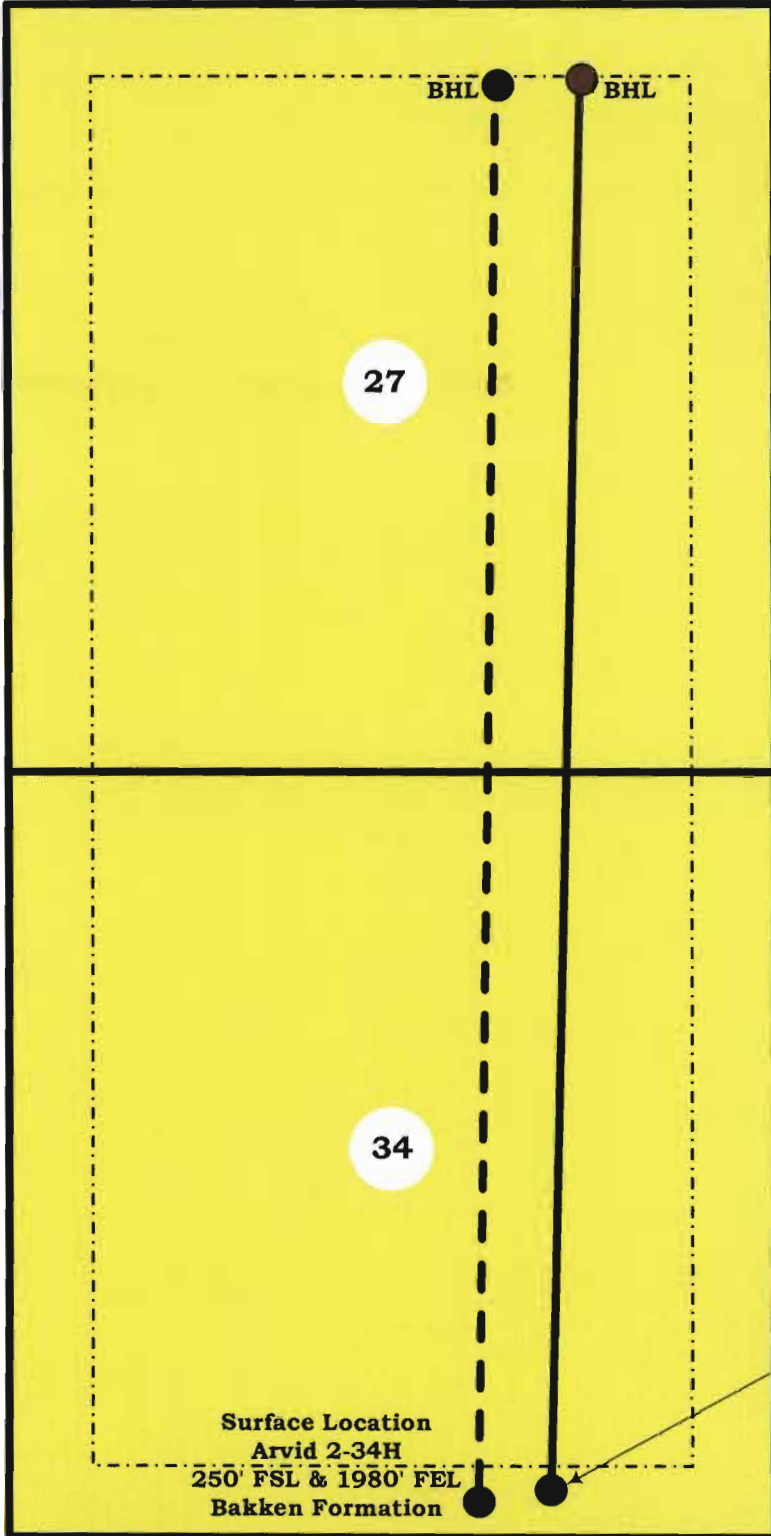
# Land Plat

Township 161 North, Range 95 West  
 All of Sections 27 & 34  
 Divide County, North Dakota

## Working Interest in Unit Area

### Leasehold Owner

Continental Resources, Inc.	50.519%
Samson Resources Company	37.422%
Northern Oil & Gas Company	4.687%
Wheatland Oil, Inc.	4.678%
Ray Reid	.936%
Branex Resources, Inc.	.747%
EMG Oil Properties, Inc.	.718%
Burlington Resources Oil & Gas Co. LP	.293%
	<b>100.000%</b>



INDUSTRIAL COMMISSION  
 STATE OF NORTH DAKOTA  
 DATE 9/24/09 CASE NO. 11616  
 Introduced By Continental  
 Exhibit \_\_\_\_\_  
 Identified By Alwert



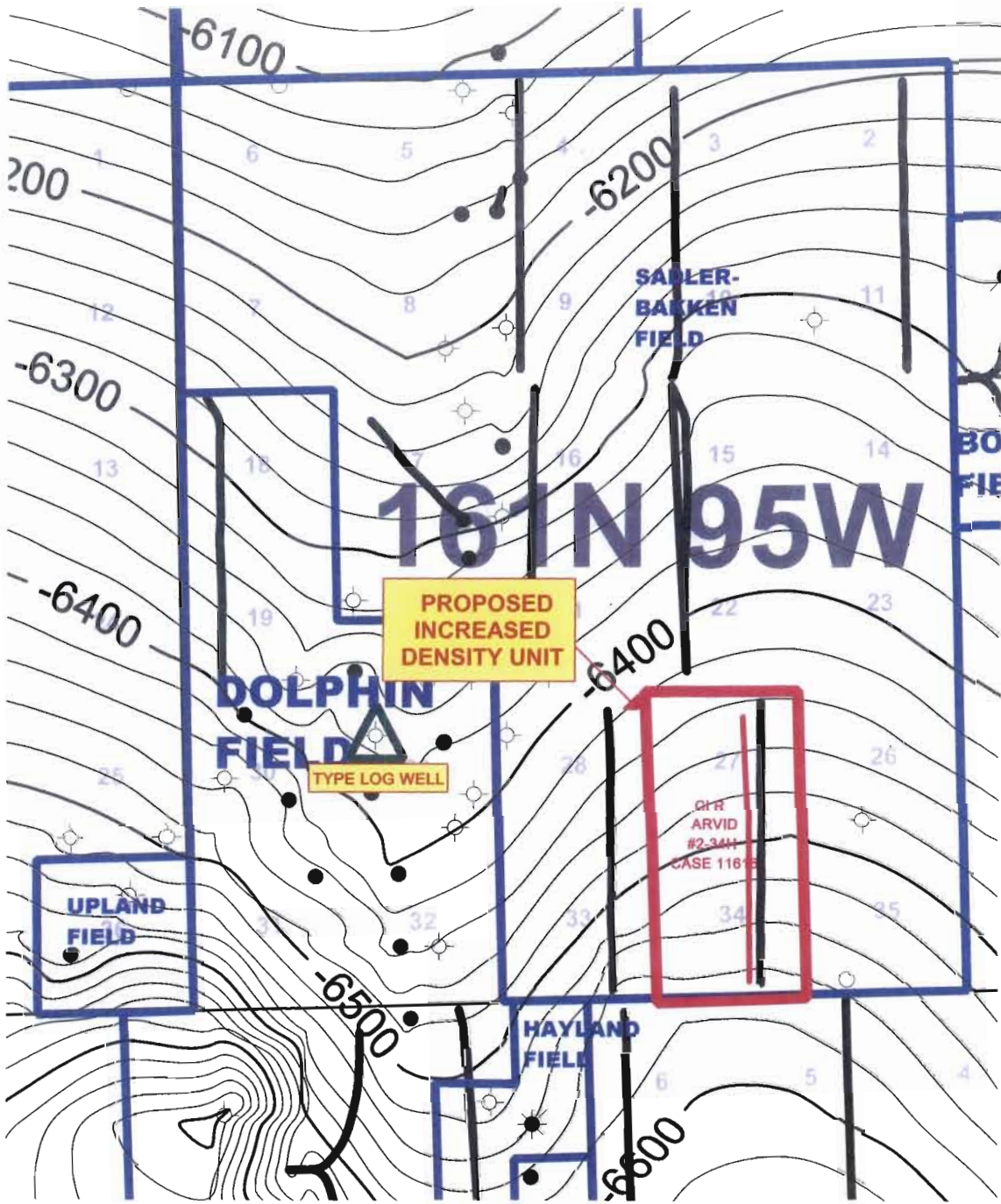
500' Setback

Surface Location  
 Arvid 1-34H  
 375' FSL & 1625' FEL  
 Three Forks Formation

Surface Location  
 Arvid 2-34H  
 250' FSL & 1980' FEL  
 Bakken Formation

Unit Acreage Total - 1280.00 Acres





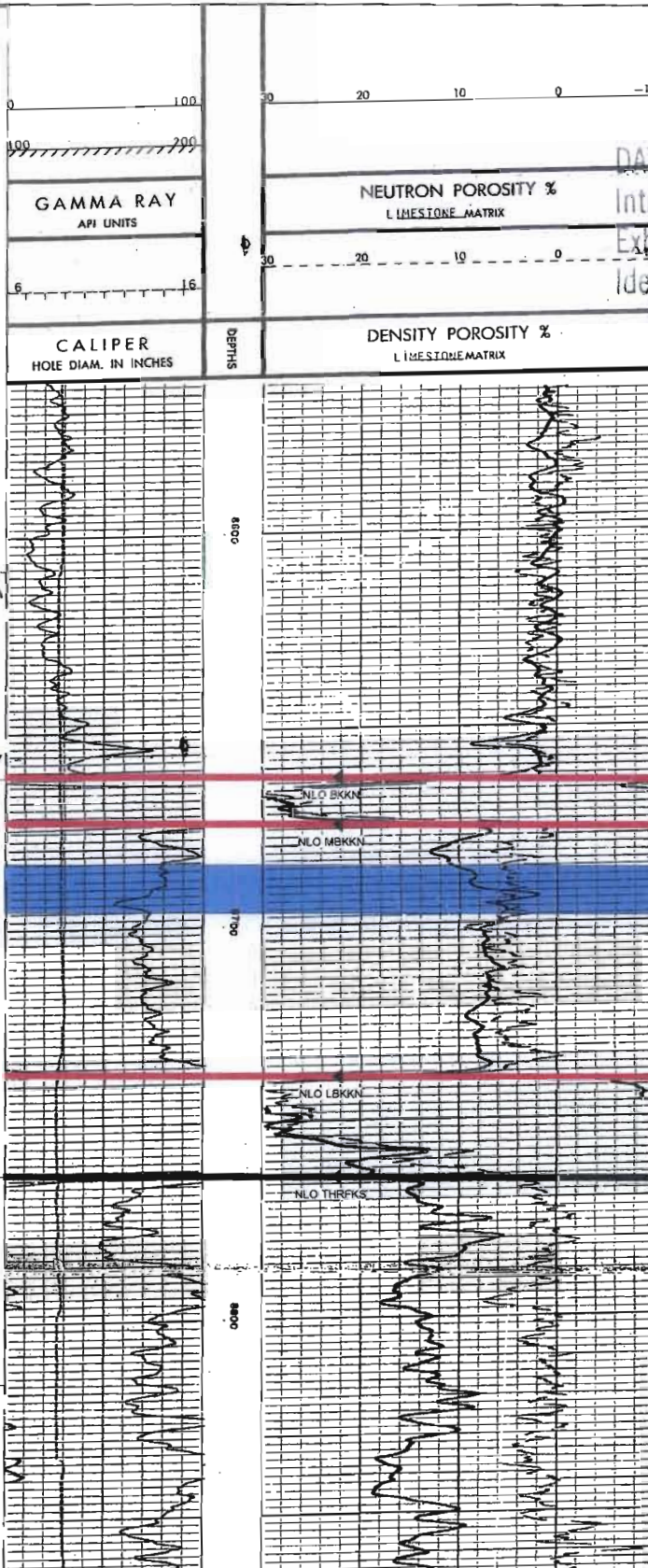
INDUSTRIAL COMMISSION  
 STATE OF NORTH DAKOTA  
 DATE 9/24/09 CASE NO. 11616  
 Introduced By Continental  
 Exhibit 3  
 Identified By Campbell

<b>Continental Resources, Inc.</b>		
<b>Top Bakken Structure</b> C.I. = 20' Case #11616		
Exhibit 3		
Larry Campbell	NDIC #11616	Date: 8 September, 2009

33023001230000

ASHLAND OIL INC  
1320 FNL 1320 FWL  
TWP: 161 N - Range: 95 W - Sec. 29  
Field=WILDCAT

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA  
DATE 9/24/09 CASE NO. 11616  
Introduced By Continental  
Exhibit 4  
Identified By Compell



Lodgepole Formation

Upper Bakken Shale

Middle Bakken Member

Lower Bakken Shale

THREE FORKS FORMATION

BAKKEN POOL

Continental Resources, Inc.  
Type Log  
Case #11616  
Exhibit 4

TD=12050

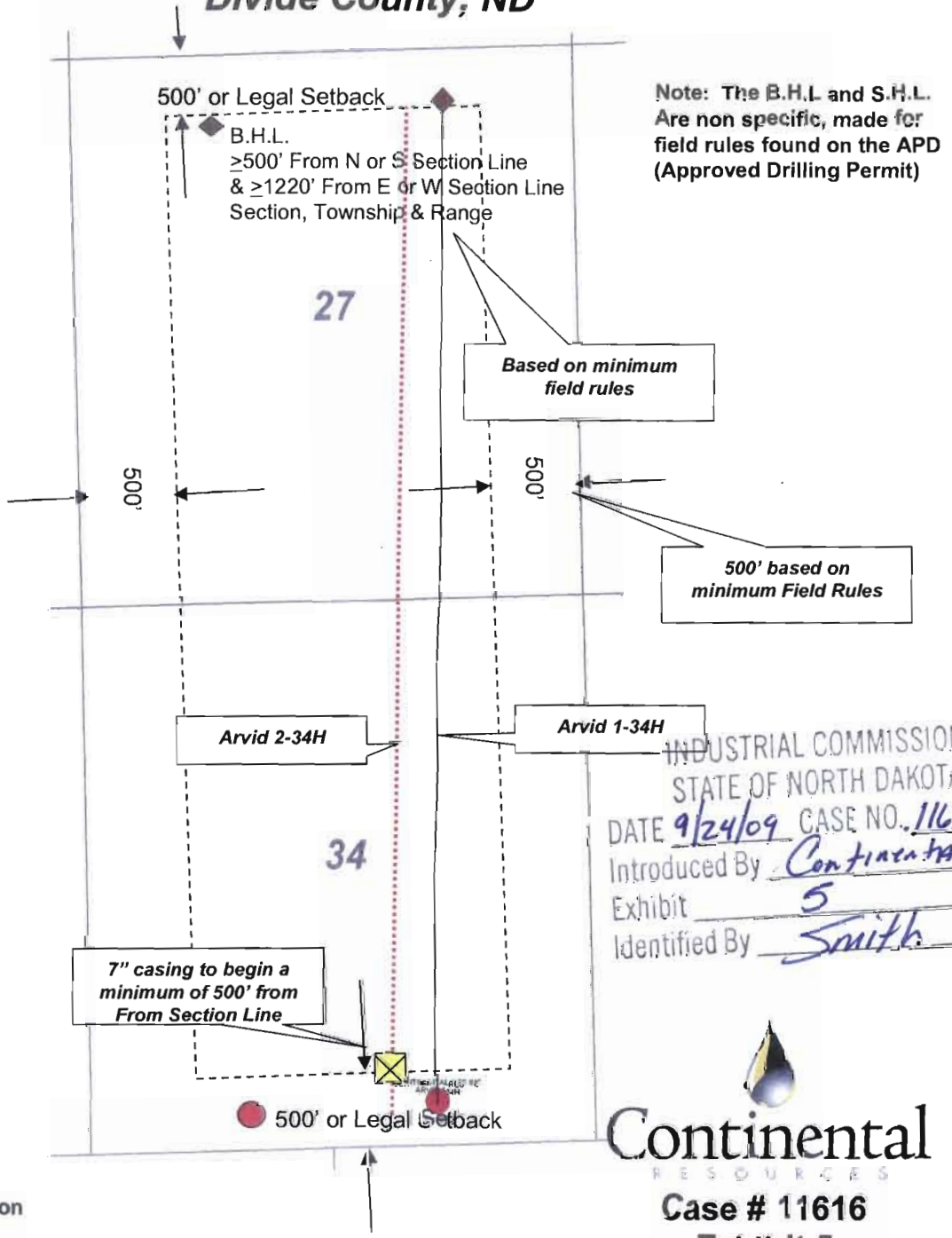
# PROPOSED DIRECTIONAL WELL PLOT

**Arvid 2-34H**

**SHL from Section Line**

**Section 27 & 34, Township 161N & Range 95W**

**Divide County, ND**

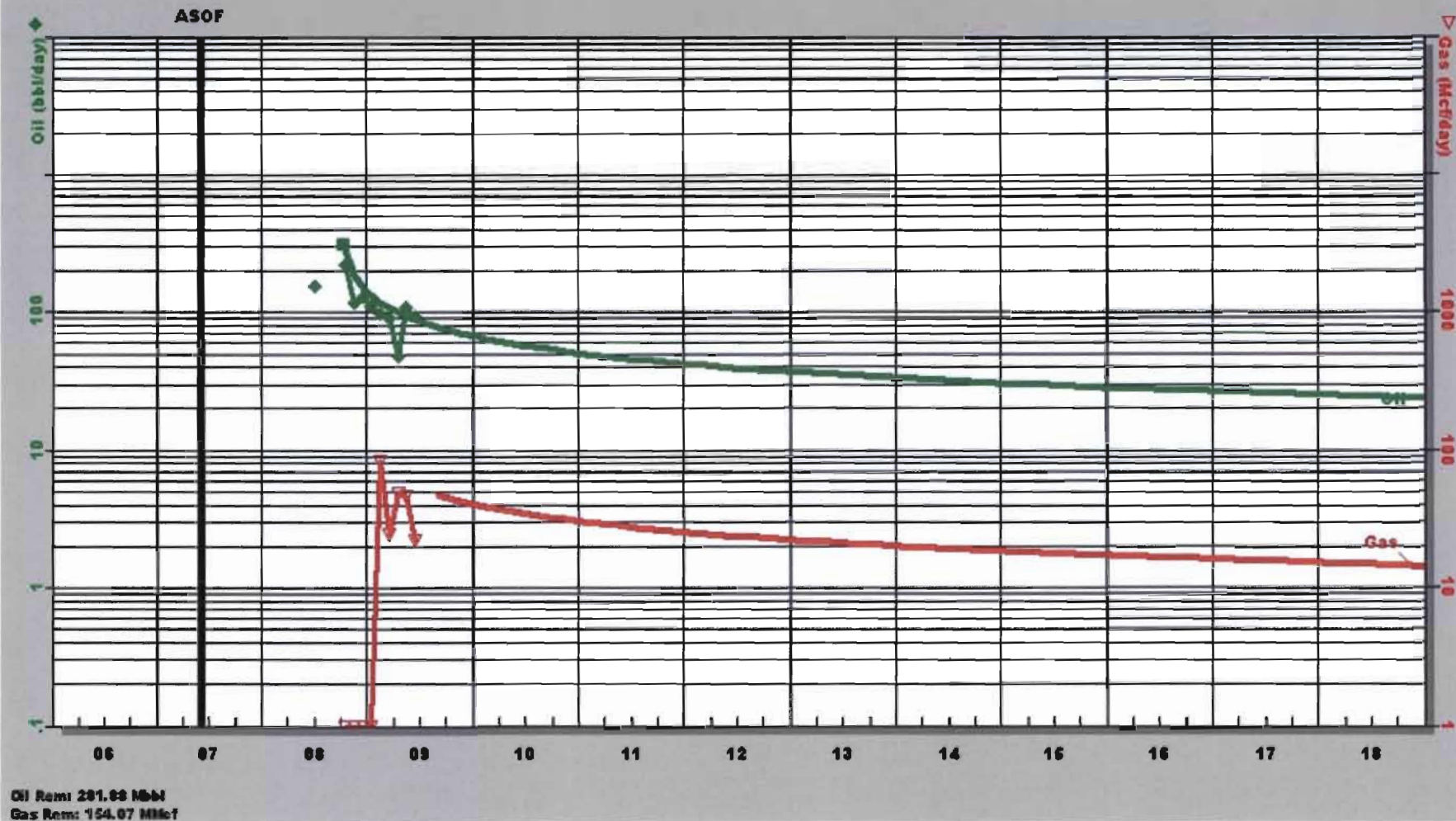


- 7" Casing Point
- Surface Location
- Bottom Hole Location
- Section Line
- Township Line

**Continental**  
RESOURCES

**Case # 11616**  
**Exhibit 5**

ARVID 1-34H



**Production Curve**

Arvid #2-34H  
All of Sections 27 & 34  
Township 160 North, Range 95 West  
Divide County, North Dakota

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA  
DATE 9/24/09 CASE NO. 11616  
Introduced By Continental  
Exhibit 6  
Identified By Smith



**Continental Resources, Inc.**  
**Increased Density**  
**Arvid 1-34H**  
**Sections 27&34-161N-95W**  
**Divide County, North Dakota**

Existing Well  
**RESERVES BASIS:**

Reservoir	Bakken	
Initial Rate	536	BOPD
Final rate	5	BOPD
Decline Rate	99.97	%
Exponent	2	
GOR	546	SCF/BBL

**GROSS ECONOMICS**

Oil Price	\$64.00	\$/bbl Wellhead
Gas Price	\$2.30	\$/mcf Wellhead
Drilling Costs	5,000	M\$
Operating Cost	5,000	\$/month
Working Interest	100	%
Revenue Interest	83	%
EUR Oil	282	MBO
EUR Gas	154	MMCF
PV@10%	425	M\$
IRR	11.9	%
Payout	6.77	Years

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA  
DATE 9/24/09 CASE NO. 11616  
Introduced By Continental  
Exhibit 7  
Identified By Smith



**Continental Resources, Inc.**  
**Increased Density**  
**Arvid 2-34H**  
**Sections 27&34-161N-95W**  
**Divide County, North Dakota**

**Proposed Well**  
**RESERVES BASIS:**

Reservoir	Bakken	
Initial Rate	533	BOPD
Final rate	5	BOPD
Decline Rate	99.90	%
Exponent	1.5	
GOR	1100	SCF/BBL

**GROSS ECONOMICS**

Oil Price	\$64.00	\$/bbl Wellhead
Gas Price	\$2.30	\$/mcf Wellhead
Drilling Costs	5,000	M\$
Operating Cost	5,000	\$/month
Working Interest	100	%
Revenue Interest	83	%
EUR Oil	321	MBO
EUR Gas	353	MMCF
PV@10%	3,106	M\$
IRR	31.1	%
Payout	2.56	Years

INDUSTRIAL COMMISSION  
STATE OF NORTH DAKOTA  
DATE 9/24/09 CASE NO. 11616  
Introduced By Continental  
Exhibit 8  
Identified By Smith





August 24, 2009



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

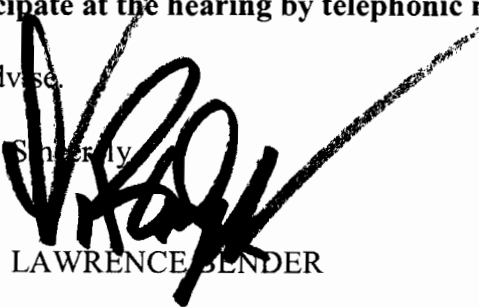
**RE: APPLICATION OF  
CONTINENTAL RESOURCES,  
INC.  
Sections 27 and 34, Township 161  
North, Range 95 West, Divide  
County, ND**

Dear Mr. Hicks:

Please find enclosed herewith for filing an APPLICATION OF CONTINENTAL RESOURCES, INC. as described above.

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

Should you have any questions, please advise.

Sincerely,  
  
LAWRENCE BENDER

LB/leo  
Enclosure

cc: Ms. Karlene Fine - (w/enc.)  
Mr. Lynn Helms - (w/enc.)  
Ms. Cynthia Wagner Goulet - (w/enc.) *Via Email*  
Ms. Lisa Alwert (w/enc.)

4609513\_1.DOC

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

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

BEFORE THE INDUSTRIAL COMMISSION

OF THE STATE OF NORTH DAKOTA

CASE NO. 11616

**Application of Continental Resources, Inc. for an order of the Commission authorizing the drilling, completing and producing of an increase density well on a 1280-acre spacing unit for the Sadler-Bakken Pool described as Sections 27 and 34, Township 161 North, Range 95 West, Divide County, North Dakota, and such further and additional relief as the Commission deems appropriate.**



**APPLICATION OF CONTINENTAL RESOURCES, INC.**

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

1.

Continental is the operator of the Arvid 1-34H well located in the Southwest Quarter of the Southeast Quarter (SW/4SE/4) of Section 34, Township 161 North, Range 95 West, Divide County, North Dakota.

2.

That the Arvid 1-34H well produces from the Sadler-Bakken Pool. All of Sections 27 and 34 constitute the spacing unit for the Arvid 1-34H well in the Sadler-Bakken Pool.

3.

That Continental is desirous of drilling and completing another well in the Sadler-Bakken Pool and allow the same to produce as an increase density well on the spacing unit for the Arvid 1-34H well in the Sadler-Bakken Pool.

4.

That in order to increase the ultimate recovery of the reservoir, prevent waste, and protect correlative rights, Continental hereby requests that the Commission authorize the drilling of an increase density well on the 1280-acre spacing unit for the Sadler-Bakken Pool described as all of Sections 27 and 34, Township 161 North, Range 95 West, Divide County, North Dakota.

**WHEREFORE**, Continental requests the following:

(a) That this matter be set for the regularly scheduled September 2009 hearings of the Commission;

(b) That pursuant to Section 43-02-03-88.2 of the North Dakota Administrative Code, Continental's witnesses in this matter be allowed to participate by telephonic means; and

(c) That thereafter the Commission issue an order granting the relief requested and such other and further relief as the Commission may deem appropriate.



OK



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

The North Dakota Industrial Commission will hold a public hearing at 9:00 a.m. Thursday, September 24, 2009, 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, September 11, 2009.

STATE OF NORTH DAKOTA  
TO:

Case No. 11578: Proper spacing for the development of the Burg-Stonewall Pool, Divide County, ND, redefine the field limits, and enact such special field rules as may be necessary. Newfield Prod. Co.

Case No. 11613: Temporary spacing to develop an oil and/or gas pool discovered by the Continental Resources, Inc. #1-1H Tangsrud, Lot 4, Section 1, T.160N., R.96W., Divide County, ND, define the field limits, and enact such special field rules as may be necessary.

Case No. 11614: Application of Continental Resources, Inc. for an order authorizing the drilling, completing and producing of an increase density well on a 1280-acre spacing unit for the Hamlet-Bakken Pool described as Sections 30 and 31, T.160N., R.95W., Divide County, ND, and such other relief as is appropriate.

Case No. 11615: Application of Continental Resources, Inc. for an order extending the field boundaries and amending the field rules for the Dolphin and/or Sadler-Bakken Pools to create and establish a 1280-acre spacing unit comprised of Sections 17 and 20, T.161N., R.95W., Divide County, ND, authorizing the drilling

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

Case No. 11616: Application of Continental Resources, Inc. for an order authorizing the drilling, completing and producing of an increase density well on a 1280-acre spacing unit for the Sadler-Bakken Pool described as Sections 27 and 34, T.161N., R.95W., Divide County, ND and such other relief as the is appropriate.

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

(9-2)

# Affidavit of Publication

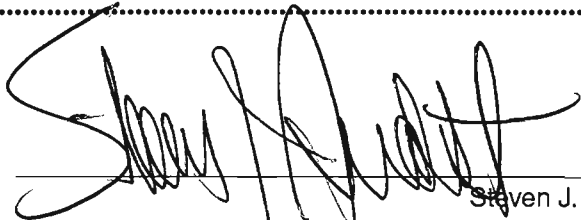
North Dakota, County of Divide, ss:  
I, Steven J. Andrist, being first duly sworn, on my oath, say that I am the publisher of The Journal, a newspaper of general circulation and official newspaper of Divide County, State of North Dakota, published in the city of Crosby, ND, and that the advertisement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

## NOTICE OF HEARING

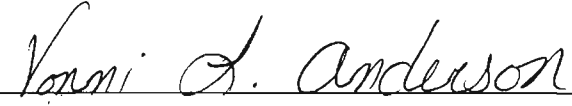
a printed copy of which is here attached, was published in The Journal on the following dates:

September 2, 2009 ..... 74 lines @ .59 = 43.66

**TOTAL CHARGE.....\$43.66**

Signed   
Steven J. Andrist, Publisher

Subscribed and sworn to before me September 2, 2009

  
Vonni L. Anderson  
Notary Public, State of North Dakota  
My Commission Expires August 2, 2011

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

5

# The Bismarck Tribune

www.bismarcktribune.com

## The Finder

OIL & GAS DIVISION

600 E BLVD AVE #405  
BISMARCK ND 58505

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

The North Dakota Industrial Commission will hold a public hearing at 9:00 a.m. Thursday, September 24, 2009, 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, September 11, 2009.

#### STATE OF NORTH DAKOTA TO:

**Case No. 11578:** Proper spacing for the development of the Burg-Stonewall Pool, Divide County, ND, redefine the field limits, and enact such special field rules as may be necessary. Newfield Prod. Co.

**Case No. 11433:** (Continued) Temporary spacing to develop an oil and/or gas pool discovered by the Newfield Production Co. #1-4H Wisness, SESE Section 4, T.152N., R.96W., McKenzie County, ND, define the field limits, and enact such special field rules as may be necessary.

**Case No. 11434:** (Continued) Application of Newfield Production Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Wisness #1-4H, Section 4, T.152N., R.96W., Westberg-Bakken Pool, McKenzie 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. 11436:** (Continued) Application of Newfield Production Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Jorgenson #1-4H, Section 4, T.148N., R.96W., Lost Bridge-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. 11579:** Proper spacing for the development of the Saddle Butte-Madison Pool, Billings County, ND, redefine the field limits, and enact such special field rules as may be necessary. Armstrong Operating, Inc.

**Case No. 11580:** Application of EOG Resources, Inc. for an order extending the field boundaries and amending the field rules for the Ross or Alger-Bakken Pools to create and establish two 1280-acre spacing units comprised of Sections 3 and 4; and Sections 8 and 9, T.156N., 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. 11581:** Application of EOG Resources, Inc. for an order amending the field rules for the Ross-Bakken Pool to create a 1280-acre spacing unit comprised of Sections 4 and 5, T.155N., R.90W., Mountrail 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. 11582:** Application of EOG Resources, Inc. for an order extending the field boundaries and amending the field rules for the Parshall-Bakken Pool to create and establish five 1600-acre spacing units comprised of Sections 9 and 10 and the W/2 of Section 11; the W/2 of Section 14 and all of Sections 15 and 16; Sections 21 and 22 and the W/2 of Section 23; the W/2 of Section 26 and all of Sections 27 and 28; and Sections 34 and 35 and the W/2 of Section 36, T.151N., R.91W., Mountrail County, ND, authorizing the drilling of one horizontal well on each spacing unit and such other relief as is appropriate.

**Case No. 11583:** Application of EOG Resources, Inc. for an order extending the field boundaries and amending the field rules for the Parshall-Bakken Pool to create and establish a 1280-acre spacing unit comprised of Sections 25 and 26, T.151N., R.91W., Mountrail County, ND, authorizing the drilling of one horizontal well on each spacing unit and such other relief as is appropriate.

**Case No. 11584:** Application of EOG

Resources, Inc. for an order amending the field rules for the Parshall-Bakken Pool to create a 1280-acre spacing unit comprised of Sections 4 and 5, T.151N., R.90W., Mountrail 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. 11585:** 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 Burke #19-28H, Section 28, T.155N., 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 such other relief as is appropriate.

**Case No. 11586:** 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 Burke #18-27H, Section 27, T.155N., 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 such other relief as is appropriate.

**Case No. 11587:** 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 Austin #11-01H, Section 1, T.154N., 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 such other relief as is appropriate.

**Case No. 11588:** 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 Wayzetta #19-31H, Section 31, 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 such other relief as is appropriate.

**Case No. 11589:** 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 Parshall #19-35H, Section 35, T.152N., 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 such other relief as is appropriate.

**Case No. 11590:** 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 Parshall #15-31H, Section 31, T.152N., 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 such other relief as is appropriate.

**Case No. 11591:** 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 Model #10-07H, Section 7, T.152N., R.89W., and Section 12, T.152N., 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 such other relief as is appropriate.

**Case No. 11592:** 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 Burke #15-21H, Section 21, T.155N., R.90W., Stanley-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. 11309:** (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 Cottonwood #1-22H, Section 22, T.157N., R.92W., Cottonwood-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.

Date	Order #	Type	Order Amt
09/12/09	20389188	INV	401.04

Amount Paid: \_\_\_\_\_ CK #: \_\_\_\_\_

Date	Date	Times Run	Description
09/04/09	09/04/09	1	Cae 11578/604472 Bismarck Tribune PO:Case 11578

Net Amt Due
401.04

**Affidavit of Publication**  
State of North Dakota ) SS County of Burleigh  
Before me, a Notary Public for the State of North Dakota personally appeared Gregory P. Ziegler 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: 9/14. Signed Gregory P. Ziegler sworn and subscribed to before me this 11th day of SEPTEMBER 20 09.  
Notary Public in and for the State of North Dakota

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

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

Remarks

**Bismarck Tribune**  
www.bismarcktribune.com  
PO BOX 5516  
Bismarck, ND 58506-5516  
701-223-2500  
In State 800-472-2273  
Fax: 701-223-5584

Terms: PAYMENT IS DUE UPON RECEIPT OF INVOICE

Case No. 11426: (Continued) In the matter of a hearing called on a motion of the Commission to consider the establishment or altering of drilling or spacing units in the Bakken Pool in and around Sections 19 and 30, T.157N., R.91W., Mountrail County, ND and such other relief as is appropriate.

Case No. 11593: Application of Fidelity Expl. & Prod. Co. for an order amending the field rules for the Stanley-Bakken Pool, Mountrail County, ND to allow the flaring of gas and unrestricted production of oil from wells not connected to a gas gathering facility until the same can be connected and such other relief as is appropriate.

Case No. 11594: Application of Fidelity Expl. & Prod. Co. for an order pursuant to NDAC § 43-02-03-88.1 authorizing the flaring of gas from the Reum #11-32H, NWNW, Section 32, T.155N., R.91W., Mountrail County, ND, Stanley-Bakken Pool, as an exception to the provisions of NDCC § 38-08-06.4 and such other relief as is appropriate.

Case No. 11595: 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 Harstad #18-19H, Sections 18 and 19, T.155N., R.91W., Stanley-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. 11596: Application of Fidelity Expl. & Prod. Co. for an order amending the field rules for the Sanish-Bakken Pool, McKenzie and Mountrail Counties, ND to allow the flaring of gas and unrestricted production of oil from wells not connected to a gas gathering facility until the same can be connected and such other relief as is appropriate.

Case No. 11597: Application of Fidelity Expl. & Prod. Co. for an order pursuant to NDAC § 43-02-03-88.1 authorizing the flaring of gas from the Deadwood Canyon Ranch #11-5H, NWNW, Section 5, T.153N., R.92W., Deadwood Canyon Ranch #43-28H, NESE, Section 28, T.154N., R.92W., Domaskin #11-20H, NWNW, Section 20, T.154N., R.92W., Domaskin #11-29H, NWNW, Section 29, T.154N., R.92W., Fladeland #11-21H, NWNW, Section 21, T.154N., R.92W., Fladeland #11-22H, NWNW, Section 22, T.154N., R.92W., Fladeland #11-30H, Lot 1, Section 30, T.154N., R.92W., and the Meiers #11-19H, Lot 1, Section 19, T.154N., R.92W., Mountrail County, ND, Sanish-Bakken Pool, pursuant to the provisions of NDCC § 38-08-06.4 and such other relief as is appropriate.

Case No. 11598: Application of Fidelity Expl. & Prod. Co. for an order pursuant to NDAC § 43-02-03-88.1 authorizing the flaring of gas from the Bakke #11-24H, NWNW, Section 24, T.155N., R.92W., Mountrail County, ND, Aiger-Bakken Pool, pursuant to the provisions of NDCC § 38-08-06.4 and such other relief as is appropriate.

Case No. 11599: Application of Fidelity Expl. & Prod. Co. for an order pursuant to NDAC § 43-02-03-88.1 authorizing the flaring of gas from the Farhart #11-11H, NWNW, Section 11, T.157N., R.92W., Ledene #44-5H, SESE, Section 5, T.158N., R.92W., Paulson #11-25H, NWNW, Section 25, T.158N., R.92W., Rosencrans #44-21H, SESE, Section 21, T.158N., R.92W., Barenthsen #11-20H, NWNW, Section 20, T.159N., R.92W., Edwards #44-9H, SESE of Section 9, T.159N., R.92W., Lucy #11-23H, NWNW, Section 23, T.160N., R.92W., and the Weinmann #11-28H, NWNW, Section 28, T.160N., R.92W., Burke and Mountrail Counties, ND, Cottonwood-Bakken Pool, pursuant to the provisions of NDCC § 38-

08-06.4 and such other relief as is appropriate.

Case No. 11600: Application of Fidelity Expl. & Prod. Co. and Brigham Oil & Gas, LP for an order amending the field rules for the Alger-Bakken Pool, Mountrail County, ND, to allow the flaring of gas and unrestricted production of oil from wells not connected to a gas gathering facility until the same can be connected and such other relief as is appropriate.

Case No. 11601: Application of Brigham Oil & Gas, LP for an order extending the field boundaries and amending the field rules for the Painted Woods-Bakken Pool to create and establish ten 1280-acre spacing units comprised of Sections 2 and 11; Sections 3 and 10; Sections 4 and 9, T.153N., R.103W.; Section 4, T.154N., R.102W. and Section 33, T.155N., R.102W.; Section 5, T.154N., R.102W. and Section 32, T.155N., R.102W.; Section 6, T.154N., R.102W. and Section 31, T.155N., R.102W.; Sections 28 and 33; Sections 29 and 32; Sections 30 and 31; T.154N., R.103W.; and Sections 25 and 36, T.154N., R.104W., Williams County, ND, authorizing the drilling of one horizontal well on said spacing unit and such other relief as is appropriate.

Case No. 11602: Application of Brigham Oil & Gas, LP for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Brad Olson 9-16 #1-H, Sections 9 and 16, T.154N., R.102W., Painted Woods-Bakken Pool, Williams 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. 11603: Application of Brigham Oil & Gas, LP for an order extending the field boundaries and amending the field rules for the Todd-Bakken Pool to create and establish eight 1280-acre spacing units comprised of Sections 3 and 10; Sections 4 and 9; Sections 5 and 8; Sections 17 and 20; Sections 16 and 21; Sections 15 and 22, T.154N., R.101W.; Sections 26 and 35; and Sections 27 and 34, T.155N., R.101W., Williams County, ND, authorizing the drilling of one horizontal well on said spacing unit and such other relief as is appropriate.

Case No. 11604: Application of Brigham Oil & Gas, LP for an order creating a 1280-acre drilling unit comprised of Sections 25 and 36, T.156N., R.103W., Williams 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. 11605: Application of Brigham Oil & Gas, LP for an order creating a 1280-acre drilling unit comprised of Sections 34 and 35, T.154N., R.102W., Williams 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. 11606: Application of Brigham Oil & Gas, LP for an order creating four 1280-acre drilling units comprised of Sections 2 and 11; Sections 3 and 10; Sections 4 and 9, T.153N., R.100W.; McKenzie and Williams Counties, and Sections 12 and 13, T.154N., R.100W., Williams 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 and further relief.

Case No. 11607: Application of Brigham Oil & Gas, LP for an order creating a 1280-acre drilling unit comprised of Sections 3 and 10, T.151N., R.101W., 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. 11608: Application of Peak ND, LLC for an order amending the field rules for the Mandaree-Bakken Pool, Dunn County, ND, to allow the flaring of gas and unrestricted production of oil from wells not connected to a gas gathering facility until the same can be connected and such other relief as is appropriate.

Case No. 11609: Application of Peak ND, LLC for an order pursuant to NDAC § 43-02-03-88.1 authorizing the flaring of gas from the Tekakwitha #9-24H, SESE, Section 9, T.149N., R.93W., Dunn County, ND, Mandaree-Bakken Pool, pursuant to the provisions of NDCC § 38-08-06.4 and such other relief as is appropriate.

Case No. 11610: Application of Peak ND, LLC for an order extending the field boundaries and amending the field rules for the Eagle Nest-Bakken Pool and/or McGregory Buttes-Bakken to create and establish sixteen 640-acre spacing units comprised of Sections 6, 7, 18, and 20, T.148N., R.93W.; Sections 1, 3, 10, 12, 13, 20, 21, 28, and 34, T.148N., R.94W.; and Sections 2, 11, and 12, T.148N., 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. 11302: (Continued) Application of Peak ND, LLC for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Four Bears #20-11H, W/2 of Section 20, T.152N., R.93W., Four Bears-Bakken Pool, McKenzie County, ND; authorizing the recovery from each nonparticipating owner a risk penalty as provided by NDCC § 38-08-08 and such other and further relief.

Case No. 11611: Application of Anschutz Exploration Corp. for an order to establish temporary spacing for the Stroh #11-1H well, Lot 4, Section 1, T.143N., R.97W., Dunn County, ND, define the field limits and enact such special field rules as may be necessary.

Case No. 11612: Application of Anschutz Exploration Corp. for an order extending the field boundaries and amending the field rules for the Cabernet, Fayette, Little Knife, and/or Murphy Creek-Bakken Pools to create and establish thirteen 1280-acre spacing and/or drilling units comprised of Sections 3 and 10; Sections 4 and 9; Sections 11 and 14; Sections 24 and 25; Sections 28 and 33; Sections 29 and 32; Sections 30 and 31, T.143N., R.96W.; Sections 13 and 24; Sections 25 and 36, T.143N., R.97W.; Section 2, T.143N., R.97W. and Section 35, T.144N., R.97W.; Sections 11 and 14; Sections 15 and 22; and Sections 23 and 26, T.144N., R.97W., Dunn County, ND, authorizing the drilling of one horizontal well on each spacing and/or drilling unit and such other relief as is appropriate.

Case No. 11613: Temporary spacing to develop an oil and/or gas pool discovered by the Continental Resources, Inc. #1-1H Tangsrud, Lot 4, Section 1, T.160N., R.96W., Divide County, ND, define the field limits, and enact such special field rules as may be necessary.

Case No. 11614: Application of Continental Resources, Inc. for an order authorizing the drilling, completing and producing of an increase density well on a 1280-acre spacing unit for the Hamlet-Bakken Pool described as Sections 30 and 31, T.160N., R.95W., Divide County, ND, and such other relief as is appropriate.

Case No. 11615: Application of Continental Resources, Inc. for an order extending the field boundaries and amending the field rules for the Dolphin and/or Sadler-Bakken Pools to create and establish a 1280-acre spacing unit comprised of Sections 17 and 20, T.161N., R.95W., Divide County, ND, authorizing the drilling of one horizontal well on such spacing unit and such other relief as is appropriate.

Case No. 11616: Application of Continental Resources, Inc. for an order authorizing the drilling, completing and producing of an increase density well on a 1280-acre spacing unit for the Sadler-Bakken Pool described as Sections 27 and 34, T.161N., R.95W., Divide County, ND and such other relief as is appropriate.

Case No. 11428: (Continued) Proper spacing for the development of the Charlie Bob-

Bakken Pool, McKenzie County, ND, redefine the field limits, and enact such special field rules as may be necessary. Continental Resources, Inc.

Case No. 11286: (Continued) Application of Continental Resources, Inc. for an order to establish temporary spacing for the McCoy #1-18H, NWNW of Section 18, T.159N., R.95W., Williams County, ND and such other relief as is appropriate.

Case No. 11287: (Continued) Application of Continental Resources, Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the McCoy #1-18H, Sections 18 and 19, T.159N., R.95W., Northwest McGregor-Bakken Pool, Williams 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. 11183: (Continued) Application of Continental Resources, Inc. for an order extending the field boundaries and amending the field rules for the Temple-Bakken Pool or the Northwest McGregor-Bakken Pool so as to create and establish a 1280-acre spacing unit comprised of Sections 1 and 12, T.159N., R.96W., Williams County, ND, authorizing the drilling of one horizontal well on said spacing unit and such other relief as is appropriate.

Case No. 11184: (Continued) Application of Continental Resources, Inc. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Leonard #1-1H, Sections 1 and 12, T.159N., R.96W., Temple or the Northwest McGregor-Bakken Pool, Williams 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. 11617: Application of Encore Operating, LP for an order amending the field rules for the Charlson-Bakken Pool to create two 640-acre spacing units comprised of the E/2 of Section 21 and the E/2 of Section 28; and Section 33, T.153N., R.95W., McKenzie 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. 11618: Application of Encore Operating, LP for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Charlson #44X-31H, Section 31, T.154N., R.95W., Charlson-Bakken Pool, McKenzie 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. 11619: Application of Samson Resources Co. for an order amending the field rules for the Foothills-Bakken Pool to create five 1280-acre spacing units comprised of Sections 19 and 30; Sections 27 and 34; Sections 28 and 33, T.161N., R.92W., Sections 24 and 25; and Sections 26 and 35, T.161N., R.93W., Burke 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. 11452: (Continued) Application of Sinclair Oil & Gas Co. for an order pursuant to NDAC § 43-02-03-88.1 pooling all interests in a spacing unit for the Uran #1-27H, Sections 27 and 34, T.154N., R.93W., Robinson Lake-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.

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