

BEFORE THE INDUSTRIAL COMMISSION

OF THE STATE OF NORTH DAKOTA

CASE NO. 5712
ORDER NO. 6607

IN THE MATTER OF A HEARING CALLED ON A
MOTION OF THE COMMISSION TO CONSIDER THE
TEMPORARY SPACING FOR THE DEVELOPMENT
OF AN OIL AND/OR GAS POOL DISCOVERED BY
THE CONOCO INC. #74 DICKINSON STATE WELL,
LOCATED IN THE SW NW OF SECTION 32,
T.140N., R.96W., STARK COUNTY, NORTH
DAKOTA, DEFINE THE LIMITS OF THE FIELD, AND
ENACT SUCH SPECIAL FIELD RULES AS MAY BE
NECESSARY.

TEMPORARY ORDER OF THE COMMISSION

BY THE COMMISSION:

Pursuant to legal notice this cause came on for hearing at 9:00 a.m.
on the 24th day of March, 1993, in Bismarck, North Dakota, before an examiner
appointed by the Industrial Commission of North Dakota, hereinafter referred
to as the "Commission."

NOW, on this 8th day of April, 1993, the Commission a quorum being
present, having considered the testimony adduced and the exhibits received
at said hearing, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the
Commission has jurisdiction of this cause and the subject matter thereof.

(2) That geological and engineering evidence presented to the
Commission relative to the matter of well spacing indicates that the
Dickinson-Lodgepole Pool, as classified and defined in this order, should be
developed on a pattern of one well to 320 acres in order to drain efficiently
the recoverable oil from said pool, assure rapid development, avoid the
drilling of unnecessary wells, and prevent waste in a manner that will
protect correlative rights.

(3) That temporary 320-acre spacing in the Dickinson-Lodgepole Pool
in this field 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.

(4) That the W/2 and SE/4 of Section 4, Township 139 North, Range
97 West is within the boundary of the Heart River Field and wells in the
field produce from the Heath Pool. A dry hole in the W/2 of said Section 4
indicates that the Heart River-Heath Pool is not productive in the section.
Removing said tracts from the field will not cause waste nor violate
correlative rights.

(5) That the unrestricted flaring of gas produced from the

Dickinson-Lodgepole 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) That the Dickinson State #74 produces from a different common source of supply than that from which the Wm. Kalanek #1 well produced.

(7) That Order No. 609, dated February 5, 1963, established 160-acre spacing for the Dickinson Madison and Heath Pools and continued in force and effect until further order of the Commission. With respects to the Heath Pool, Order No. 920 superseded Order No. 609.

The only well in the Dickinson Field to ever produce from the Madison Pool was the Leach Oil Corp. #1 Wm. Kalanek well which was plugged July 30, 1961. Order No. 609 erred by setting spacing for a pool which was not in production at the time the order was entered. Therefore, the order should be rescinded.

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

TOWNSHIP 139 NORTH, RANGE 96 WEST, 5TH PM
ALL OF SECTION 5 AND 6,

TOWNSHIP 139 NORTH, RANGE 97 WEST, 5TH PM
ALL OF SECTIONS 1, 2, 3 AND 4,

TOWNSHIP 140 NORTH, RANGE 96 WEST, 5TH PM
ALL OF SECTIONS 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21,
22, 23, 27, 28, 29, 30, 31, 32, 33,

TOWNSHIP 140 NORTH, RANGE 97 WEST, 5TH PM
ALL OF SECTIONS 13, 22, 23, 24, 25, 26, 27, 33, 34, 35 AND 36,

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) That the Heart River Field is hereby redefined as the following described tracts of land in Stark County, North Dakota:

TOWNSHIP 139 NORTH, RANGE 97 WEST, 5TH PM
ALL OF SECTIONS 5, 7 AND 8.

(3) That the Dickinson-Lodgepole Pool be, and the same is hereby defined as that accumulation of oil and gas found in the interval from below the base of the Mission Canyon Formation to above the top of the Bakken Formation within the limits of the field as set forth above.

(4) That effective this date, the temporary spacing for the development of the Dickinson-Lodgepole Pool be, and the same is hereby set at one well to 320 acres.

(5) That all wells hereafter drilled to said pool shall be located not less than 660 feet from a spacing unit boundary nor closer than 1980 feet to a well permitted to or producing from the pool. Wells presently permitted to or producing from the pool that do not conform to this spacing pattern shall be considered exceptions.

(6) That spacing units in the Lodgepole Pool in the Dickinson Field shall consist of two adjacent quarter sections, or governmental lots corresponding thereto within the same section. The configuration of spacing units, either vertical or horizontal, 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 mid-section lines 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. However, spacing units in Section 32, Township 140 North, Range 96 West, shall consist of the E/2 and W/2 of the section.

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

(8) That the following rules concerning the casing, tubing and equipping of the wells shall apply to the subsequent drilling and operation of wells in the Dickinson-Lodgepole 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;
- (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 as to adequately 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 24 hours before drilling the plug or initiating tests. 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 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; 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) That the gas-oil ratio of each well shall be measured during the months of May and November, and the reservoir pressure of flowing wells shall be measured in the months of May and November, and in pumping wells when the rods are pulled but at least once annually and reported to the Commission within 15 days following the end of the month in which they are determined. Pressure measurements shall be made at or adjusted to a subsea datum of 7270 feet after the well has been shut in for 48 hours. All gas-oil ratios and reservoir pressure determinations shall be made under the supervision of and by methods approved by the Director. The Director is authorized to waive these requirements if the necessity therefor can be demonstrated to his satisfaction.

(10) That no salt water shall be stored in pits in this field, except in an emergency, and approved by the Director.

(11) That in accordance with Commission Order No. 2099, the Dakota-Lakota Series in and under the Dickinson Field, is hereby designated a disposal reservoir, and the Director is authorized to approve requests to utilize wells in the field, as herein defined, for salt water disposal purposes.

(12) That multiple completion of wells for the purpose of producing oil and/or gas from the various pools encountered in the Dickinson Field, is hereby authorized, subject to the following requirements:

- (a) Administrative approval may be given by the Director upon the filing of an application in which the applicant states that the requirements described in (b) through (e) below and other applicable rules and orders of the Commission will be complied with;
- (b) An approved production packer shall be set between each of the producing horizons in a manner which will effectively isolate each during the production process;
- (c) Production from each producing horizon shall be through separate continuous strings of tubing installed in such a manner with respect to the production packers as will prevent commingling of production in the well bore;
- (d) An approved well-head of a type which allows independent suspension and packing of the tubing shall be used; and,
- (e) 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.

(13) That for the purposes of division of production to owners of interests in spacing units established by this order, and proven productive prior to the date hereof, this order shall be retroactive to the date of first production.

(14) That the Dickinson State #74 well is hereby permitted to produce at an average rate of 600 barrels of oil per day and flare all surplus gas produced therewith until June 1, 1993. If flaring continues after June 1,

1993, oil production from the well shall not exceed an average of 100 barrels per day until the well is connected to a gas pipeline and processing plant. When the well is connected to a gas pipeline, it shall be allowed to produce at a maximum efficient rate.

That all wells hereafter completed in the Dickinson-Lodgepole Pool shall be allowed to produce at an unrestricted 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.

(15) That Order No. 609 is hereby rescinded.

(16) That if the flaring of gas produced with crude oil from the Dickinson-Lodgepole Pool causes, or threatens to cause, degradation of ambient air quality, production from the pool shall be further restricted.

(17) That this order shall be effective the date of first operations of the Dickinson State #74 well and shall cover all of the Dickinson-Lodgepole Pool, common source of supply of crude oil and/or natural gas as herein defined, and shall continue in full force and effect until the 1st day of September, 1994. That the proper spacing for the pool will be considered by the Commission on or before the regularly scheduled meeting in August, 1994.

Dated this 8th day of April, 1993.

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA

/s/ Edward T. Schafer
Edward T. Schafer, Governor

/s/ Heidi Heitkamp
Heidi Heitkamp, Attorney General

/s/ Sarah Vogel
Sarah Vogel, Commissioner of Agriculture

5712

NORTH DAKOTA INDUSTRIAL COMMISSION

DIRECTOR'S
ORDER NO. 258

IN THE MATTER OF THE APPLICATION
OF CONOCO INC. FOR AN
ADMINISTRATIVE ORDER OF THE
DIRECTOR ALLOWING PRODUCTION
FROM ALL WELLS IN THE
DICKINSON-LOGGEPOLE POOL, STARK
COUNTY, NORTH DAKOTA, TO BE
PRODUCED SEQUENTIALLY, ON AN
INDIVIDUAL BASIS, INTO A COMMON
TANK BATTERY OR PRODUCTION
FACILITY AND SUCH FURTHER AND
ADDITIONAL RELIEF AS THE
COMMISSION DEEMS APPROPRIATE.

ADMINISTRATIVE ORDER OF THE DIRECTOR

The Industrial Commission ("Commission") has jurisdiction over the application of Conoco Inc. ("Conoco") for an administrative order of the Director allowing wells in the Dickinson-Lodgepole Pool to produce into a central production facility.

THE DIRECTOR FINDS:

(1) That Conoco is the owner of an oil and gas leasehold interest in the following described tracts of land in Stark County, North Dakota:

N/2 Section 5, T.139N., R.96W.
N/2 Section 31, T.140N., R.96W.
S/2 Section 31, T.140N., R.96W.
W/2 Section 32, T.140N., R.96W.

All of the tracts are within the boundary of the Dickinson Field and each tract constitutes a spacing unit for the Lodgepole Pool.

(2) That in its Order No. 6607 the Commission set spacing for the development of the Dickinson-Lodgepole Pool at one well for each 320-acres.

(3) That Conoco has drilled and completed four wells in the Dickinson-Lodgepole Pool. The wells and their spacing units are as follows:

Dickinson State #74 - W/2 Section 32, T.140N., R.96W.
Kadrmas #75 - S/2 Section 31, T.140N., R.96W.
Frendzel #79 - N/2 Section 31, T.140N., R.96W.
Dickinson State "A" #83 - N/2 Section 5, T.139N., R.96W.

There is diverse ownership between each of the spacing units for the four wells.

(4) That Conoco proposes to convert the tank battery located at the site of the Dickinson State #74 well in the SW NW of said Section 32 to a central production facility for the Dickinson-Lodgepole Pool production ("Dickinson-Lodgepole Central Production Facility").

(5) That Conoco requests permission to produce fluids from the four above listed wells into the Dickinson-Lodgepole Central Production Facility. The wells will be produced sequentially, on an individual basis through a common treater and separator into the Dickinson-Lodgepole Central Production Facility.

(6) That production from the wells will not be commingled at the facility at any time prior to sale. No more than one well will produce during any given time period into the facility, after which said production will be metered and sold before any other well is put on production and allowed to produce into the facility.

(7) That producing the forementioned wells into the facility in the manner set forth above will provide for accurate measurement of the oil, gas, and water produced from each well.

(8) That this method of producing and metering of fluids produced from the forementioned wells is temporary pending further arrangements.

(9) That granting the application will prevent waste in a manner that will protect the correlative rights of all owners.

IT IS THEREFORE ORDERED:

(1) That Conoco is hereby permitted to convert the tank battery located at the site of the Dickinson State #74 well in the SW NW of said Section 32 into the Dickinson-Lodgepole Central Production Facility. Moreover, Conoco is permitted to produce fluids from the four wells listed in (3) of the findings into the facility.

(2) That commingling of production from the four wells in the facility is prohibited.

(3) That the wells shall be allowed to produce sequentially, on an individual basis through a common separator and treater into the facility.

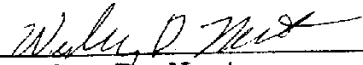
(4) That no more than one well shall produce during any given time period into the facility after which said production will be metered and sold before any other well is put on production and allowed to produce into the facility.

(5) That Conoco shall complete and file with the Commission the Dickinson-Lodgepole Production Summary Form that is attached to and a part of Conoco's application. The form shall be filed at the same time as the monthly oil production report (Form 5).

Director's
Order No. 258

(6) That this order shall be effective at 7:00 a.m. on the 1st day of February 1994, and shall terminate at 7:00 a.m. on August 1, 1994.

Dated this 12th day of January, 1994.



Wesley D. Norton
Director

STATE OF NORTH DAKOTA

AFFIDAVIT OF MAILING

COUNTY OF BURLEIGH

I, Donna Bauer, being duly sworn upon oath, depose and say: That on the 14th day of April, 1993, I enclosed in separate envelopes true and correct copies of the attached Order No. 6607 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, all of whom appeared at the hearing of the Industrial Commission in Case No. 5712:

Fleck, Mather & Strutz Ltd.
400 E. Broadway
Suite 600
P. O. Box 2798
Bismarck, ND 58502

Mr. Lawrence Bender
Pearce & Durick
P. O. Box 400
Bismarck, ND 58502

Mr. Veigel Davidson
P. O. Box 466
Dickinson, ND 58602

Mr. Kevin W. Zoin
Conoco Inc.
800 Werner Court
Casper, WY 82601

Mr. Ian R. Gordon
Conoco Inc.
800 Werner Court
Casper, WY 82601

Mr. Ed Slovacek
Conoco Inc.
800 Werner Court
Casper, WY 82601

Mr. Jim D. Reatherford
Conoco Inc.
800 Werner Court
Casper, WY 82601

Mr. Steve Harris
P. O. Box 5006
Bismarck, ND 58502

Mr. Phil Rutledge
Western Gas Resources
P. O. Box 54
Fairfield, ND 58627

Mr. Dean Karsky
RR1 Box 158B
Dickinson, ND 58601

Ms. Joan Schmidt
RR1 Box 140
Dickinson, ND 58601

Mr. Gerald D. Kalanek
1104 Pioneer Dr.
Bismarck, ND 58501

Mr. William Faller
RR1 Box 159
Dickinson, ND 58601

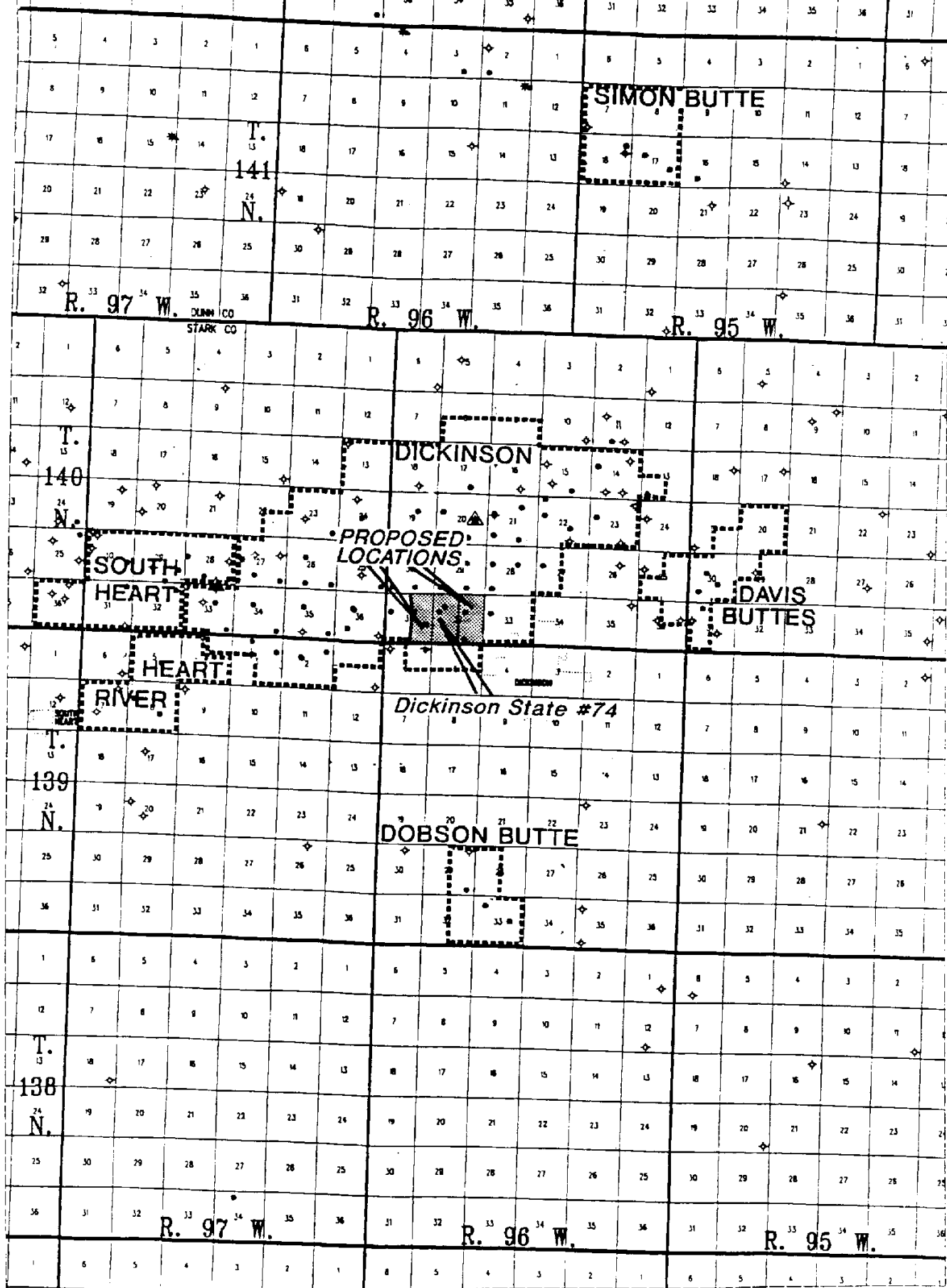
Donna Bauer
Donna Bauer
Oil & Gas Division

On this 15th day of April, 1993, before me personally appeared Donna Bauer 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.

Eric Roberson

Notary Public

State of North Dakota County of Burleigh
My Commission expires 11-3-98



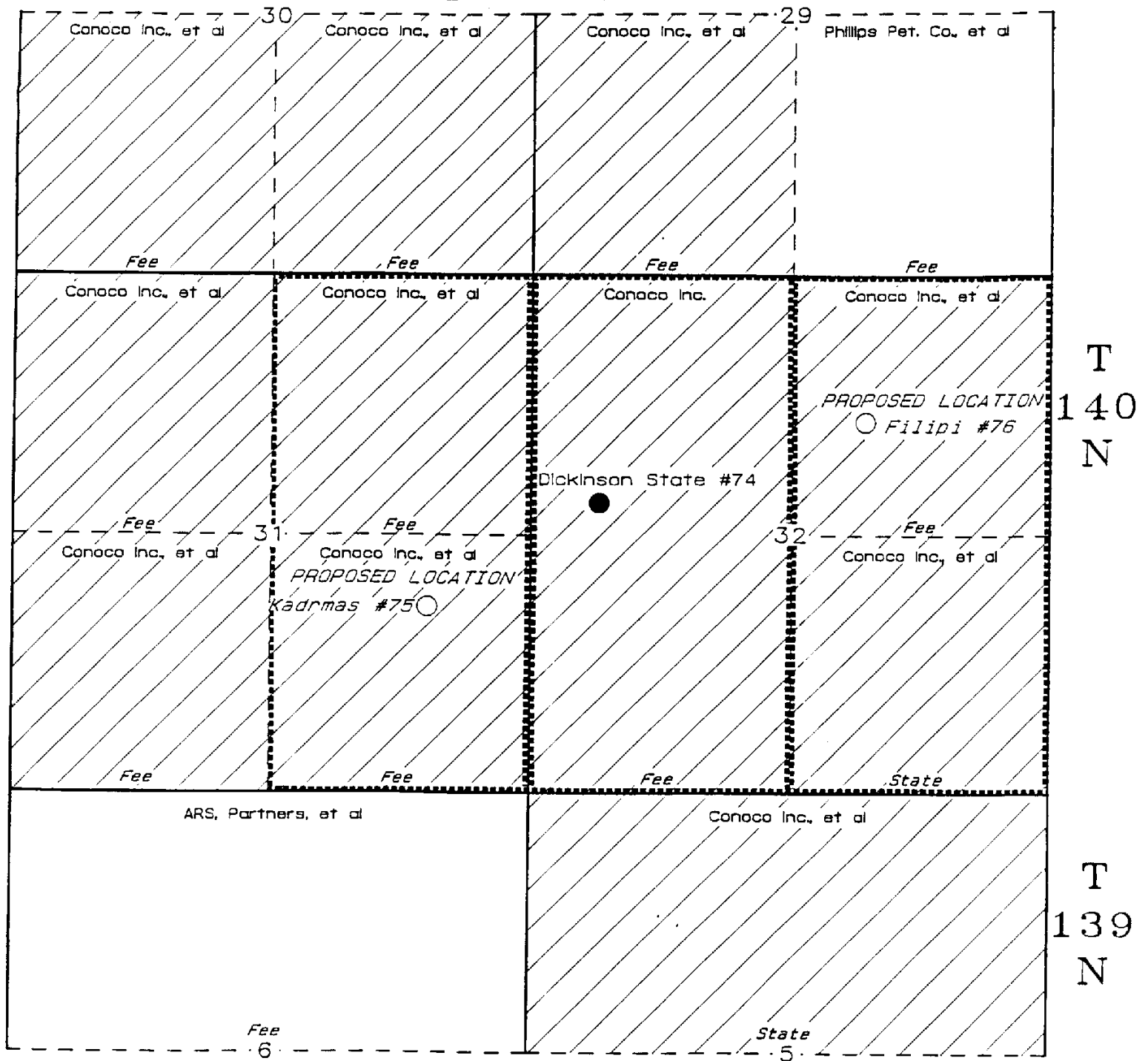
DICKINSON AREA

CONOCO INC.

Case No. 5712

Exhibit No. 1

R 96 W



Dickinson Field Area

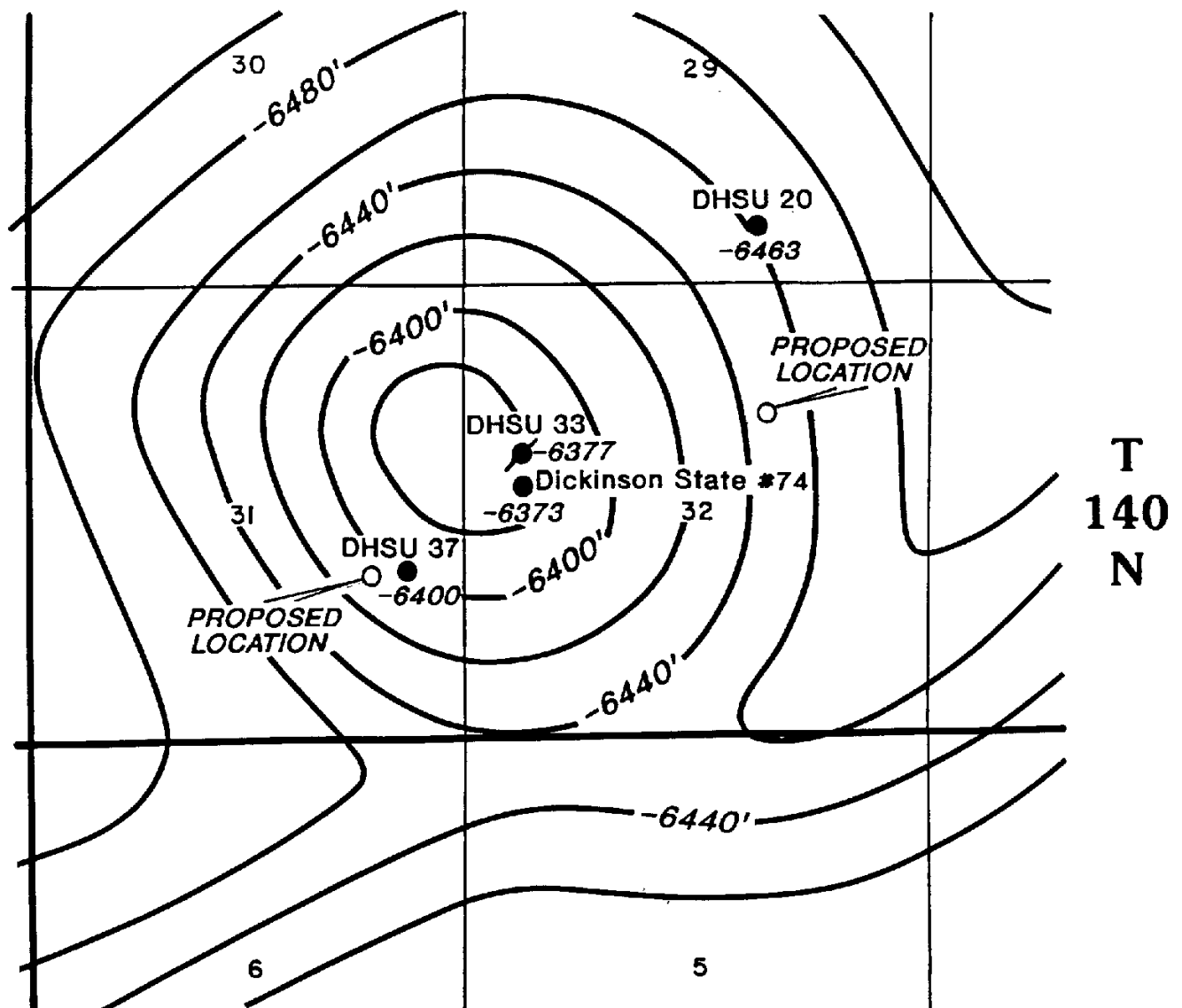
Stark Co., North Dakota

CONOCO INC.

Case No. 5712

Exhibit No. 2

R 96 W



**Structure
Top Of Fryburg Marker
C.I.= 20'**

Date: 1-25-93
Geophysicist: Ian Gordon

CONOCO INC.
Case No. 5712
Exhibit No. 3

**LODGEPOLE RESERVOIR
DICKINSON FIELD
GEOLOGIC PARAMETERS**

Perforated interval	129
Net effective pay	62
Neutron porosity cut-off	3%
Average effective porosity (neutron)	5.4%
R _w	.013 $\Omega \cdot m$
Average S _w	32%

**CONOCO INC.
NDIC CASE 5712
EXHIBIT NO. 5**

**DICKINSON STATE NO. 74
DICKINSON FIELD
STARK COUNTY, NORTH DAKOTA**

WELL HISTORY

SPUD DATE:	November 14, 1992
TOTAL DEPTH:	12,855'
TOTAL WELL COST:	\$1,300,000
LODGEPOLE COMPLETION DATE:	February 3, 1993
INITIAL POTENTIAL:	2045 BOPD/1,164 MCFPD

RESERVOIR AND FLUID PROPERTIES

<u>Property</u>	<u>Value</u>	<u>Source</u>
Initial Pressure	4515 psig @ -7271' subsea	Pressure Test
Average Porosity	5.4%	Log Analysis
Net Thickness	62 feet	Log Analysis
Permeability	500+ md	Pressure Test
Average Water Saturation	32%	Log Analysis
Oil Gravity	45.2 deg API	Oil Analysis
Gas-Oil Ratio	516 SCF/STB	Production
Oil Formation Factor	1.3 RB/STB	PVT Correlation
Bubble Point Pressure	1567 psia	PVT Correlation
Oil Pour Point	-25 deg F	Oil Analysis
Formation Temperature	224 def F	Measured
Formation Water Resistivity	0.013 ohm-m @ 224 deg F	Correlation
Gas Gravity	0.907	Gas Analysis
Reservoir Drive Mechanism	Solution-Gas	

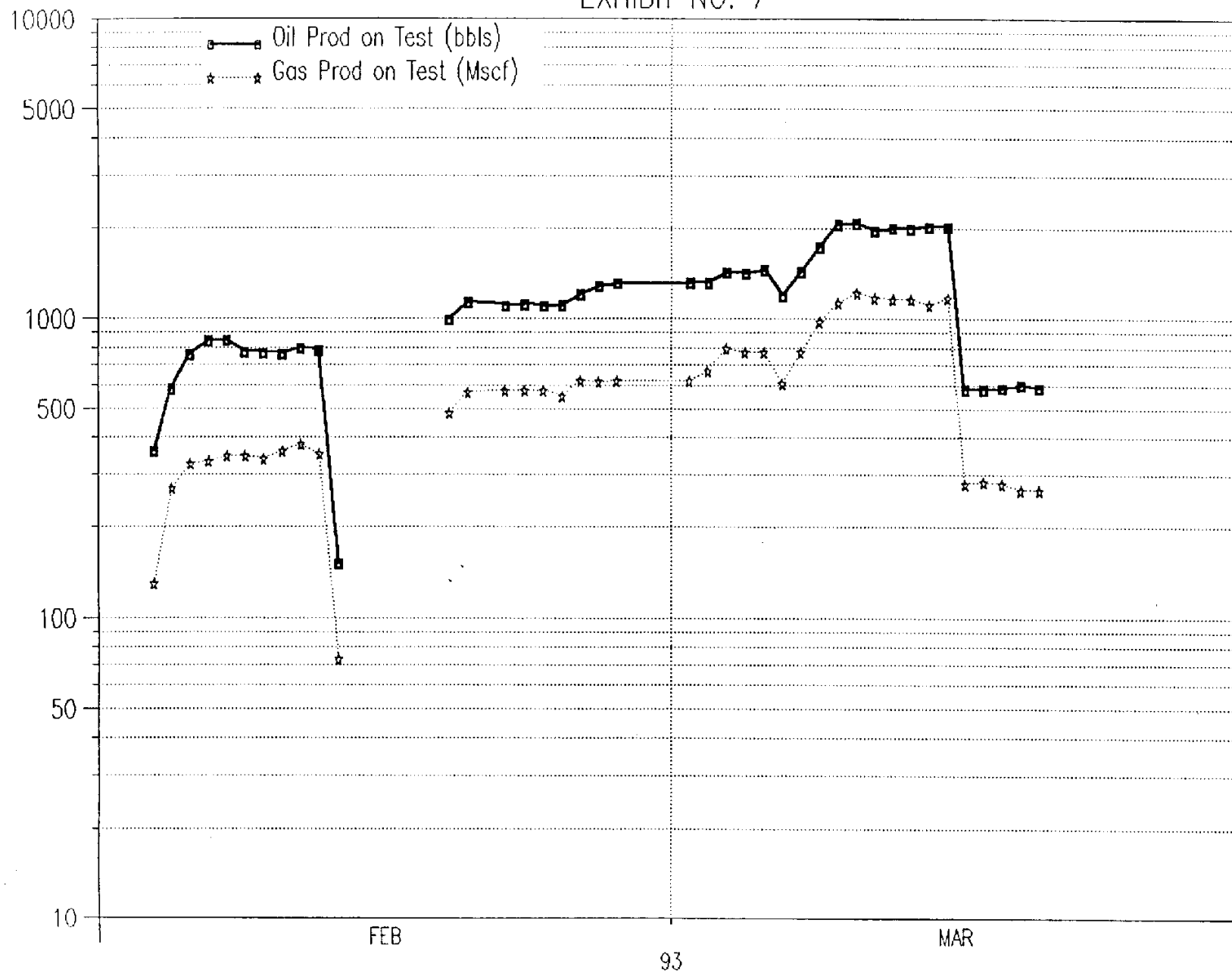
CONOCO INC
NDIC CASE 5712
EXHIBIT NO. 6

DICKINSON STATE NO. 74
DICKINSON FIELD
STARK COUNTY, NORTH DAKOTA

DATE	BOPD	MCFPD
2/3/93	361	130
2/4/93	585	270
2/5/93	762	327
2/6/93	848	333
2/7/93	849	347
2/8/93	778	347
2/9/93	772	340
2/10/93	766	360
2/11/93	802	379
2/12/93	786	352
2/13/93	152	73
2/14/93	0	0
2/15/93	0	0
2/16/93	0	0
2/17/93	0	0
2/18/93	0	0
2/19/93 > choke	1000	486
2/20/93	1140	570
2/21/93	1157	575
2/22/93	1112	576
2/23/93	1122	576
2/24/93	1109	576
2/25/93	1115	553
2/26/93 > choke	1210	622
2/27/93	1290	616
2/28/93	1322	622
3/1/93	1325	621
3/2/93	1326	671
3/3/93 > choke again	1434	798
3/4/93	1427	775
3/5/93	1465	775
3/6/93	1200	609
3/7/93	1441	777
3/8/93	1742	983
3/9/93 > choke again	2075	1132
3/10/93	2094	1225
3/11/93	1974	1180
3/12/93	2021	1165

EXHIBIT 6 (CONTINUED)

3/13/93	2009	1165
3/14/93	2039	1119
3/15/93	2036	1179
3/16/93 < <i>chake</i>	584	281
3/17/93	585	284
3/18/93	591	280
3/19/93	604	267
3/20/93	591	267
 TOTAL	 47601	 24583



CONOCO INC
NDIC CASE 5712
EXHIBIT NO. 8

DICKINSON STATE NO. 74
DICKINSON FIELD
STARK COUNTY, NORTH DAKOTA

RESERVOIR STUDY ANALYSIS 2/3/93 - 3/15/93

1. Spinner survey and temperature survey production logs
2. Five day pressure build-up survey
3. Three week pressure drawdown test
4. Down-Hole sample PVT study
5. Nodal analysis flowing well study

**CONOCO INC
NDIC CASE 5712
EXHIBIT NO. 9**

**DICKINSON STATE NO. 74
DICKINSON FIELD
STARK COUNTY, NORTH DAKOTA**

INFORMATION EXPECTED TO BE ACQUIRED IN NEXT 18 MONTHS

1. Well information from additional wells
2. Results from core analysis on at least one well
3. Repeat formation tester pressure surveys on offset wells
4. Subsequent pressure build-up surveys
5. Reservoir Management Plan Study

NORTH DAKOTA INDUSTRIAL COMMISSION

OIL AND GAS DIVISION

Wesley D. Norton
DIRECTOR

F. E. Wilborn
ASSISTANT DIRECTOR

Clarence G. Carlson
GEOLOGIST

Charles Koch
ENGINEERING DEPT.

Doren Dannewitz
FIELD SUPERVISOR

Glenn Wollan
RECLAMATION SUP.

March 1, 1993

Ms. Lydia Phillips
Conoco Inc.
800 Werner Court
Casper, WY 82601

Dear Ms. Phillips:

The temporary spacing for the development of an oil and/or gas pool discovered by the #74 Dickinson State well, located in the SW NW of Section 32, T.140N., R.96W., Stark County, North Dakota, will be considered at the North Dakota Industrial Commission hearing on March 24, 1993.

As you have been previously informed, all exhibits to be used at the hearing are to be prefiled in our office approximately five (5) days prior to the date of hearing.

Thank you for your assistance in this matter.

Sincerely,



F.E. Wilborn
Deputy Enforcement Officer

FEW/dh
enc.

**NOTICE OF PUBLICATION
NORTH DAKOTA INDUSTRIAL
COMMISSION**

BISMARCK, NORTH DAKOTA

The State of North Dakota by its Industrial Commission hereby gives notice pursuant to law and the rules and regulations of said Commission promulgated thereunder of the following public hearing to be held at 9:00 a.m. on March 24, 1993, Kelly Inn, 1800 North 12th Street, Bismarck, North Dakota. For the purpose of this hearing, the Commission, any member thereof acting as Examiner, or an Examiner appointed by the Commission will receive testimony and exhibits.

STATE OF NORTH DAKOTA TO:

All named parties and persons having any right, title, interest, or claim in the following cases and notices to the public, **CASE NO. 5712; ON A MOTION OF THE COMMISSION TO CONSIDER THE TEMPORARY SPACING FOR THE DEVELOPMENT OF AN OIL AND/OR GAS POOL DISCOVERED BY THE CONOCO INC. #74 DICKINSON STATE WELL, LOCATED IN THE SW NW OF SECTION 32, T.140N., R.98W., STARK COUNTY, NORTH DAKOTA, DEFINE THE LIMITS OF THE FIELD, AND ENACT SUCH SPECIAL FIELD RULES AS MAY BE NECESSARY. CASE NO. 5701; (CONTINUED) ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER AUTHORIZING THE RECOMPLETING OF THE KUNTZ #9-1 WELL AT A LOCATION APPROXIMATELY 2140 FEET FROM THE NORTH LINE AND 820 FEET FROM THE EAST LINE OF SECTION 9, T. 140N., R. 98W., STARK COUNTY, NORTH DAKOTA, AS AN EXCEPTION TO THE PROVISIONS OF SECTION 43-02-03-18 OF THE NORTH DAKOTA ADMINISTRATIVE CODE, AND DESIGNATING THE E/2 OF SECTION 9 AS A 320-ACRE DRILLING UNIT FOR SAID WELL AND SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION DEEMS APPROPRIATE.**

Signed by,
Edward T. Schafer, Governor
Chairman, ND Industrial Commission
(Published March 3, 1993)

114759

202100

2440

3-18-93 27.56

**CERTIFICATE OF PUBLICATION
THE DICKINSON PRESS
Dickinson, North Dakota**

STATE OF NORTH DAKOTA, }

County of Stark.

Belle L. Kranb

, of said state and county, being first duly sworn, on oath says: That s he is the bookkeeper of the Dickinson Press, Inc., publisher of **THE DICKINSON PRESS**, a daily newspaper of general circulation, printed and published at Dickinson, in said county and state, and has been such during the time hereinafter mentioned; and that advertisement headed

Legal--Case No. 5712

\$27.56

a printed copy of which is hereunto annexed, was printed and published in **The Dickinson Press**, and in the regular and entire issue of each and every number 1 consecutive weeks, commencing on the 3 day of March A.D. 19 93, and ending on the 3 day of March A.D., 19 93, both inclusive.

Sworn to and subscribed to before me this 3rd day of March A.D. 19 93

Marlyn Wanner

MARLYN WANNER

Notary Public, STARK COUNTY, N.DAK.

My Commission Expires APRIL 28 1994

THE BISMARCK TRIBUNE

P.O. BOX

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CASE NO. 5712. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER DESIGNATING SECTION 6, T.146N., R.103W., MCKENZIE COUNTY, NORTH DAKOTA, AS A 640-ACRE DRILLING UNIT AS AN EXCEPTION TO THE PROVISIONS OF SECTION 43-02-03-18 OF THE NORTH DAKOTA ADMINISTRATIVE CODE FOR THE PURPOSE OF DRILLING A HORIZONTAL BAKKEN WELL ANYWHERE WITHIN SAID SECTION 6, NOT LESS THAN 660 FEET FROM THE BOUNDARIES OF SAID SECTION 6, WITHOUT FURTHER INTERNAL WELL RESTRICTIONS OR SUCH FURTHER AND ADDITIONAL RELIEF AS THE COMMISSION MAY DEEM APPROPRIATE. CASE NO. 5720. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER DESIGNATING SECTION 36, T.147N., R.104W., MCKENZIE COUNTY, NORTH DAKOTA, AS A 640-ACRE DRILLING UNIT AS AN EXCEPTION TO THE PROVISIONS OF SECTION 43-02-03-18 OF THE NORTH DAKOTA ADMINISTRATIVE CODE FOR THE PURPOSE OF DRILLING A HORIZONTAL BAKKEN WELL ANYWHERE WITHIN SAID SECTION 36, NOT LESS THAN 660 FEET FROM THE BOUNDARIES OF SAID SECTION 36, WITHOUT FURTHER INTERNAL WELL RESTRICTIONS OR SUCH FURTHER AND ADDITIONAL RELIEF AS THE COMMISSION MAY DEEM APPROPRIATE. CASE NO. 5702. (CONTINUED) ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER AUTHORIZING THE FLARING OF GAS FROM THE MORGAN DRAW TESCHER #4 WELL LOCATED IN THE SE SW OF SECTION 24, T.144N., R.103W., GOLDEN VALLEY COUNTY, NORTH DAKOTA, MORGAN DRAW-BAKKEN POOL, AS AN EXCEPTION TO THE PROVISIONS OF SECTION 38-08-06.4 OF THE NORTH DAKOTA CENTURY CODE OR SUCH FURTHER AND ADDITIONAL RELIEF AS THE COMMISSION MAY DEEM APPROPRIATE. CASE NO. 5721. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF MERIDIAN OIL INC. FOR AN ORDER PERMITTING THE FLARING OF GAS PRODUCED IN ASSOCIATION WITH OIL FROM THE MOI #24-35H WELL LOCATED IN THE SE SW OF SECTION 35, T.143N., R.101W., BILLINGS COUNTY, NORTH DAKOTA, ELKHORN RANCH-BAKKEN POOL, AS AN EXEMPTION TO THE REQUIREMENTS OF SECTION 38-08-06.4 OF THE NORTH DAKOTA CENTURY CODE. CASE NO. 5722. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF MERIDIAN OIL INC. FOR AN ORDER PERMITTING THE FLARING OF GAS PRODUCED IN ASSOCIATION WITH OIL FROM THE MOI #31-17H WELL, LOCATED IN THE NW NE OF SECTION 17, T.145N., R.103W., MCKENZIE COUNTY, NORTH DAKOTA, BICENTENNIAL-BAKKEN POOL, AS AN EXEMPTION TO THE REQUIREMENTS OF SECTION 38-08-06.4 OF THE NORTH DAKOTA CENTURY CODE. CASE NO. 5723. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF MERIDIAN OIL INC. FOR AN ORDER PERMITTING THE FLARING OF GAS PRODUCED IN ASSOCIATION WITH OIL FROM THE MOI #23-33H WELL, LOCATED IN THE NE SW OF SECTION 33, T.146N., R.101W., MCKENZIE COUNTY, NORTH DAKOTA, FLAT TOP BUTTE-BAKKEN POOL, AS AN EXEMPTION TO THE REQUIREMENTS OF SECTION 38-08-06.4 OF THE NORTH DAKOTA CENTURY CODE. CASE NO. 5724. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF MERIDIAN OIL INC. FOR AN ORDER PERMITTING THE FLARING OF GAS PRODUCED IN ASSOCIATION WITH OIL FROM THE MOI-ROUGHRIDER #111H WELL, LOCATED IN THE NW NW OF SECTION 1, T.145N., R.101W., MCKENZIE COUNTY, NORTH DAKOTA, ROUGH RIDER-BAKKEN POOL, AS AN EXEMPTION TO THE REQUIREMENTS OF SECTION 38-08-06.4 OF THE NORTH DAKOTA CENTURY CODE. CASE NO. 5707. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF MERIDIAN OIL INC. FOR AN ORDER ALLOWING THE #2135H MOI DEMORES WELL, A HORIZONTAL WELL LOCATED IN THE W/2 OF SECTION 35, T.142N., R.102W., BILLINGS COUNTY, NORTH DAKOTA, TO BE COMPLETED IN THE DEMORES-BAKKEN POOL AS AN EXCEPTION TO THE APPLICABLE FIELD RULES FOR THE DEMORES-BAKKEN POOL.

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NOTICE OF PUBLICATION

NORTH DAKOTA

INDUSTRIAL COMMISSION

BISMARCK, NORTH DAKOTA

The State of North Dakota by its Industrial Commission hereby gives notice pursuant to law and the rules and regulations of said Commission promulgated thereunder of the following public hearing to be held at 9:00 a.m. on March 24, 1993, Kelly Inn, 1800 North 12th Street, Bismarck, North Dakota. For the purpose of this hearing, the Commission, any member thereof acting as Examiner, or an Examiner appointed by the Commission will receive testimony and exhibits.

STATE OF NORTH DAKOTA TO:

All named parties and persons having any right, title, interest, or claim in the following cases and notices to the public. CASE NO. 5708. ON A MOTION OF THE COMMISSION TO CONSIDER THE PROPER SPACING FOR THE DEVELOPMENT OF THE MORAIN-DUPEROW POOL, DIVIDE COUNTY, NORTH DAKOTA, REDEFINE THE LIMITS OF THE FIELD, AND ENACT SUCH SPECIAL FIELD RULES AS MAY BE NECESSARY. BERCO RESOURCES, INC. CASE NO. 5709. ON A MOTION OF THE COMMISSION TO CONSIDER THE PROPER SPACING FOR THE DEVELOPMENT OF THE ROOSEVELT-STONEWALL POOL, BILLINGS COUNTY, NORTH DAKOTA, REDEFINE THE LIMITS OF THE FIELD, AND ENACT SUCH SPECIAL FIELD RULES AS MAY BE NECESSARY. BALCRON OIL CO. CASE NO. 5710. ON A MOTION OF THE COMMISSION TO CONSIDER THE TEMPORARY SPACING FOR THE DEVELOPMENT OF AN OIL AND/OR GAS POOL DISCOVERED BY THE BALCRON OIL CO. #22-16 STATE WELL, LOCATED IN THE SE NW OF SECTION 16, T.149N., R.87W., MCLEAN COUNTY, NORTH DAKOTA, DEFINE THE LIMITS OF THE FIELD, AND ENACT SUCH SPECIAL FIELD RULES AS MAY BE NECESSARY. CASE NO. 5711. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF BALCRON OIL CO. FOR AN ORDER ESTABLISHING A 320-ACRE SPACING UNIT IN THE SHEALEY-MADISON POOL, DESCRIBED AS THE N/2 OF SECTION 22, T.154N., R.87W., WARD COUNTY, NORTH DAKOTA, AND ALLOWING A HORIZONTAL WELL TO BE DRILLED AND COMPLETED THEREON OR FOR SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION MAY DEEM APPROPRIATE. CASE NO. 5712. ON A MOTION OF THE COMMISSION TO CONSIDER THE TEMPORARY SPACING FOR THE DEVELOPMENT OF AN OIL AND/OR GAS POOL DISCOVERED BY THE CONOCO INC. #74 DICKINSON STATE WELL, LOCATED IN THE SW NW OF SECTION 32, T.140N., R.96W., STARK COUNTY, NORTH DAKOTA, DEFINE THE LIMIT OF THE FIELD, AND ENACT SUCH SPECIAL FIELD RULES AS MAY BE NECESSARY. CASE NO. 5698. (CONTINUED) ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER POOLING ALL INTERESTS IN A SPACING UNIT FOR THE CINNAMON CREEK-BAKKEN POOL DESCRIBED AS ALL OF SECTION 1, T.145N., R.102W., MCKENZIE COUNTY, NORTH DAKOTA, AUTHORIZING THE RECOVERY FROM EACH NONPARTICIPATING LESSEE A RISK PENALTY AS PROVIDED BY NDCC SECTION 38-08.0 AND SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION DEEM APPROPRIATE. CASE NO. 5701. (CONTINUED) ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER AUTHORIZING THE RECOMPLETING OF THE KUNTZ #9-1 WELL AT A LOCATION APPROXIMATELY 2140 FEET FROM THE NORTH LINE AND 820 FEET FROM THE EAST LINE OF SECTION 9, T.140N., R.98W., STARK COUNTY, NORTH DAKOTA, AS AN EXCEPTION TO THE PROVISIONS OF SECTION 43-02-03-18 OF THE NORTH DAKOTA ADMINISTRATIVE CODE, AND DESIGNATING THE EAST SECTION 9 AS A 320-ACRE DRILLING UNIT FOR SAID WELL AND SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION DEEMS APPROPRIATE.

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CASE NO. 5713. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER AMENDING THE FIELD RULES FOR THE SQUAW GAP-BAKKEN POOL SO AS TO CREATE AND ESTABLISH A 640-ACRE SPACING UNIT CONSISTING OF SECTION 36, T.146N., R.105W., MCKENZIE COUNTY, NORTH DAKOTA, AUTHORIZING THE DRILLING OF ONE HORIZONTAL WELL THEREIN; AUTHORIZING THE UNRESTRICTED FLARING OF GAS FOR A PERIOD OF NOT LESS THAN 90 DAYS FROM THE DATE OF FIRST PRODUCTION; OR, AUTHORIZING THE DIRECTOR TO ADMINISTRATIVELY GRANT SUCH UNRESTRICTED FLARING OF GAS; AND SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION DEEMS APPROPRIATE. CASE NO. 5714. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER AMENDING THE FIELD RULES FOR THE MORGAN DRAW-BAKKEN POOL SO AS TO CREATE AND ESTABLISH A 640-ACRE SPACING UNIT CONSISTING OF SECTION 3, T.143N., R.103W., GOLDEN VALLEY COUNTY, NORTH DAKOTA, AUTHORIZING THE DRILLING OF ONE HORIZONTAL WELL THEREIN, AND/OR SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION DEEMS APPROPRIATE. CASE NO. 5715. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER AMENDING THE FIELD RULES FOR THE PIERRE CREEK-BAKKEN POOL SO AS TO CREATE AND ESTABLISH A 640-ACRE SPACING UNIT CONSISTING OF SECTION 28, T.146N., R.102W., MCKENZIE COUNTY, NORTH DAKOTA, AUTHORIZING THE DRILLING OF ONE HORIZONTAL WELL THEREIN, AND/OR SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION DEEMS APPROPRIATE. CASE NO. 5716. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER AMENDING THE FIELD RULES FOR THE PIERRE CREEK-BAKKEN POOL SO AS TO CREATE AND ESTABLISH A 640-ACRE SPACING UNIT CONSISTING OF SECTION 34, T.146N., R.102W., MCKENZIE COUNTY, NORTH DAKOTA, AUTHORIZING THE DRILLING OF ONE HORIZONTAL WELL THEREIN, AND/OR SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION DEEMS APPROPRIATE. CASE NO. 5717. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER DESIGNATING SECTION 8, T.146N., R.103W., MCKENZIE COUNTY, NORTH DAKOTA, AS A 640-ACRE DRILLING UNIT AS AN EXCEPTION TO THE PROVISIONS OF SECTION 43-02-03-18 OF THE NORTH DAKOTA ADMINISTRATIVE CODE FOR THE PURPOSE OF DRILLING A HORIZONTAL BAKKEN WELL ANYWHERE WITHIN SAID SECTION 8, NOT LESS THAN 660 FEET FROM THE BOUNDARIES OF SAID SECTION 8, WITHOUT FURTHER INTERNAL WELL RESTRICTIONS OR SUCH FURTHER AND ADDITIONAL RELIEF AS THE COMMISSION MAY DEEM APPROPRIATE. CASE NO. 5718. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER DESIGNATING SECTION 16, T.146N., R.103W., MCKENZIE COUNTY, NORTH DAKOTA, AS A 640-ACRE DRILLING UNIT AS AN EXCEPTION TO THE PROVISIONS OF SECTION 43-02-03-18 OF THE NORTH DAKOTA ADMINISTRATIVE CODE FOR THE PURPOSE OF DRILLING A HORIZONTAL BAKKEN WELL ANYWHERE WITHIN SAID SECTION 16, NOT LESS THAN 660 FEET FROM THE BOUNDARIES OF SAID SECTION 16, WITHOUT FURTHER INTERNAL WELL RESTRICTIONS OR SUCH FURTHER AND ADDITIONAL RELIEF AS THE COMMISSION MAY DEEM APPROPRIATE.

CASE NO. 5691. (CONTINUED) ON A MOTION OF THE COMMISSION TO CONSIDER THE TEMPORARY SPACING FOR THE DEVELOPMENT OF AN OIL AND/OR GAS POOL DISCOVERED BY THE MERIDIAN OIL INC. #317 MOI CINNAMON CREEK WELL, LOCATED IN THE NW NE OF SECTION 7, T.145N., R.102W., MCKENZIE COUNTY, NORTH DAKOTA, DEFINE THE LIMITS OF THE FIELD AND ENACT SUCH SPECIAL FIELD RULES AS MAY BE NECESSARY. CASE NO. 5725. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF SAMSON RESOURCES COMPANY FOR AN ORDER AUTHORIZING THE DRILLING OF A WELL AT A LOCATION APPROXIMATELY 700 FEET FROM THE SOUTH LINE AND 150 FEET FROM THE EAST LINE OF SECTION 11, T.153N., R.84W., WARD COUNTY, NORTH DAKOTA, AS AN EXCEPTION TO THE APPLICABLE FIELD RULES FOR THE TORNING MADISON POOL AND SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION DEEMS APPROPRIATE. CASE NO. 5726. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF AMERADA HESS CORPORATION FOR AN ORDER CERTIFYING A SECONDARY RECOVERY PROJECT IN THE ANTELOPE DEVONIAN UNIT, MCKENZIE COUNTY, NORTH DAKOTA, AS A "QUALIFYING SECONDARY RECOVERY PROJECT" FOR PURPOSES OF ELIGIBILITY FOR THE OIL EXTRACTION TAX RATE PROVIDED BY SECTION 57-51.1-02 OF THE NORTH DAKOTA CENTURY CODE AND THE OIL EXTRACTION TAX EXEMPTIONS PROVIDED BY SECTION 57-51.1-03 OF THE NORTH DAKOTA CENTURY CODE. CASE NO. 5727. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF AMERADA HESS CORPORATION FOR AN ORDER CERTIFYING A SECONDARY RECOVERY PROJECT IN THE FRYBURG HEALTH MADISON UNIT, BILLINGS COUNTY, NORTH DAKOTA, AS A "QUALIFYING SECONDARY RECOVERY PROJECT" FOR PURPOSES OF ELIGIBILITY FOR THE OIL EXTRACTION TAX RATE PROVIDED BY SECTION 57-51.1-02 OF THE NORTH DAKOTA CENTURY CODE AND THE OIL EXTRACTION TAX EXEMPTIONS PROVIDED BY SECTION 57-51.1-03 OF THE NORTH DAKOTA CENTURY CODE. CASE NO. 5728. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF WILLIAM HERBERT HUNT TRUST ESTATE FOR AN ORDER ALLOWING AN EXCEPTION LOCATION FOR THE MADISON POOL DESCRIBED AS THE SW/4 OF SECTION 18, T.145N., R.97W., DUNN COUNTY, NORTH DAKOTA, KNOWN AS THE MARTIN WEBER #218 AD IN THE LITTLE KNIFE FIELD. CASE NO. 5706. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONCOR PETROLEUM INC. FOR AN ORDER ALLOWING THE COMMINGLING OF OIL AND GAS FROM THE BAKKEN AND MADISON POOLS IN ITS A.B. ERICKSON #1-A WELL, STONEVIEW FIELD, DIVIDE COUNTY, NORTH DAKOTA. CASE NO. 5729. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF EAGLE OPERATING FOR AN ORDER TO PERMIT THE FLARING OF GAS PRODUCED FROM THE #13-7 E. M. MELBY WELL, LOCATED IN THE SW NE OF SECTION 13, T.162N., R.90W., CARTER FIELD, BURKE COUNTY, NORTH DAKOTA, AS AN EXEMPTION TO THE REQUIREMENTS OF SECTION 38-08-06.4 OF THE NORTH DAKOTA CENTURY CODE. CASE NO. 5730. ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF EAGLE OPERATING FOR AN ORDER TO PERMIT THE FLARING OF GAS PRODUCED FROM THE #16-1 E. M. STATE WELL, LOCATED IN THE NE NE OF SECTION 16, T.160N., R.91W., DIMOND FIELD, BURKE COUNTY, NORTH DAKOTA, AS AN EXEMPTION TO THE REQUIREMENTS OF SECTION 38-08-06.4 OF THE NORTH DAKOTA CENTURY CODE.

Signed by:
Edward T. Schaler, Governor
Chairman, ND Industrial
Commission
3/3 60055

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17