#### BEFORE THE INDUSTRIAL COMMISSION

#### OF THE STATE OF NORTH DAKOTA

CASE NO. 5322 (CONTINUED)
ORDER NO. 6426

IN THE MATTER OF A HEARING CALLED ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER CERTIFYING THE DICKINSON-HEATH SAND UNIT LOCATED IN STARK COUNTY, NORTH DAKOTA, AS A "QUALIFYING SECONDARY RECOVERY PROJECT" FOR THE PURPOSE OF ACQUIRING THE TAX REDUCTIONS PROVIDED BY NORTH DAKOTA CENTURY CODE CHAPTER 57-51.1 AND SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION MAY DEEM APPROPRIATE.

ORDER OF THE COMMISSION

#### BY THE COMMISSION:

Pursuant to legal notice this cause came on for hearing at 9:00 a.m. on the 27th day of May, 1992, in Bismarck, North Dakota, before an examiner appointed by the Industrial Commission of North Dakota, hereinafter referred to as the "Commission."

NOW, on this 10th day of June, 1992, 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 counsel for the applicant requests that this case be dismissed without prejudice.

#### IT IS THEREFORE ORDERED:

That this case is dismissed without prejudice.

Dated this 10th day of June, 1992.

INDUSTRIAL COMMISSION STATE OF NORTH DAKOTA

/s/ George A. Sinner George A. Sinner, Governor Nicholas J. Spaeth, Attorney General

/s/ Sarah Vogel Sarah Vogel, Commissioner of Agriculture

STATE OF NORTH DAKOTA	) AFFIDAVIT OF MAILING
COUNTY OF BURLEIGH	) )
day of June envelopes true and correct copie of the North Dakota Industri United States Postal Service in	es of the attached Order No. 6426 Lal Commission, and deposited the same with the Bismarck, North Dakota, with postage thereon following persons, all of whom appeared at the
Mr. John Morrison P. O. Box 2798 Bismarck, ND 58502	
Mr. Lawrence Bender P. O. Box 400 Bismarck, ND 58502	
Mr. Paul Schulz Conoco Inc. 800 Werner Ct. Casper, WY 82601	
	Donna Bauer Oil & Gas Division
On this 15th day of Mappeared Anna Brues and who executed the foregoing the same as her free act and deep	to me known as the person described in any instrument and acknowledged that she executed ad.  Notary Public State of North Dakota County of Burleigh
-	My Commission expires <u>1-3-92</u>

# 5322

#### PEARCE & DURICK

ATTORNEYS AT LAW

THIRD FLOOR

P. O. BOX 400

BISMARCK, NORTH DAKOTA 58502

1992 (7011 223-2890 (7011 223-2890 OF COUNSEL HARRY J. PEARCE

May 7, 1992

Ms. Karlene Fine Secretary North Dakota Industrial Commission Governor's Office Capitol Building Bismarck, ND 58505

> CASE NO. 5322 CONOCO INC.

Dear Ms. Fine:

WILLIAM R. PEARCE 1910-1978

WILLIAM P. PEARCE

PATRICK W. DURICK B. TIMOTHY DURICK

CHRISTINE A, HOGAN
JOEL W. GILBERTSON
LAWRENCE A. DOPSON
GARY R. THUNE
DAVIO E. REICH
JEROME C. KETTLESON
LARRY L. BOBCHEE
LAWRENCE BENDER
JANET D. SEAWORTH
MICHAEL F. MEMAHON

Please find enclosed herewith for filing a NOTICE OF DISMISSAL FOR CONOCO INC. in regard to Case No. 5322.

If you should have any questions, please advise.

LAWRENCE BENDER

LB/le

Enclosure

cc:

Mr. Wesley D. Norton - (w/enc.)

Mr. F. E. Wilborn - (w/enc.)

Mr. Charles Carvell - (w/enc.)

Mr. Paul Schulz - (w/enc.)



IN THE MATTER OF THE APPLICATION OF CONOCO INC. FOR AN ORDER OF THE COMMISSION CERTIFYING DICKINSON HEATH SAND UNIT LOCATED IN STARK COUNTY, NORTH DAKOTA AS A "QUALIFYING SECONDARY RECOVERY PROJECT\* FOR THE **PURPOSE ACQUIRING** THE TAX REDUCTIONS PROVIDED BY N.D.C.C. CHAPTER 57-51.1 AND SUCH OTHER AND FURTHER RELIEF THE COMMISSION MAY DEEM APPROPRIATE.

### NOTICE OF DISMISSAL FOR CONOCO INC.

PLEASE TAKE NOTICE that on Wednesday, May 27, 1992, Conoco Inc. will respectfully request that the above captioned hearing be dismissed without prejudice.

DATED this \_\_\_\_\_\_ day of May, 1992.

PEARCE & DURICK

LAWRENCE BENDER

Attorneys for Applicant Conoco Inc.

314 East Thayer Avenue Post Office Box 400

Bismarck, North Dakota 58502

#### PEARCE & DURICK

ATTORNEYS AT LAW

THIRD FLOOR

314 EAST THAYER AVENUE

P. O. BOX 400

BISMARCK, NORTH DAKOTA 58502

# 5338

SECTION

TELEPHONE FOIL 223-2890

SECTION 223-2890

OF COUNSEL HARRY J. PEARCE

CHRISTINE A. HOGAN
JOEL W. GILBERTSON
LAWRENCE A. DOPSON
GARY R. THUNE
DAVID E. REICH
JEROME G. KETTLESON
LARRY L. BOSCHEE
LAWRENCE BENDER
JANET D. SEAWORTH
MICHAEL F. MCMAHON

PATRICK W. DURICK B. TIMOTHY DURICK

WILLIAM R. PEARCE 1910-1978 WILLIAM P. PEARCE

May 7, 1992

Ms. Karlene Fine Secretary North Dakota Industrial Commission Governor's Office Capitol Building Bismarck, ND 58505

> CASE NO. 5338 CONOCO INC.

Dear Ms. Fine:

Please find enclosed herewith for filing a NOTICE OF DISMISSAL FOR CONOCO INC. in regard to Case No. 5338.

If you should have any questions, please advise.

LAWRENCE BENDER

LB/le Enclosure

cc:

Mr. Wesley D. Norton - (w/enc.)

Mr. F. E. Wilborn - (w/enc.)

Mr. Charles Carvell - (w/enc.)

Mr. Paul Schulz - (w/enc.)



**CASE NO. 5338** 

IN THE MATTER OF THE APPLICATION OF CONOCO INC. FOR AN ORDER OF THE COMMISSION CERTIFYING THE ZENITH NEWTON HEATH UNIT LOCATED IN STARK COUNTY, NORTH DAKOTA "QUALIFYING SECONDARY RECOVERY PROJECT\* FOR THE **PURPOSE** ACQUIRING THE TAX REDUCTIONS PROVIDED BY N.D.C.C. CHAPTER 57-51.1 AND SUCH OTHER AND FURTHER RELIEF THE COMMISSION MAY DEEM APPROPRIATE.

### NOTICE OF DISMISSAL FOR CONOCO INC.

PLEASE TAKE NOTICE that on Wednesday, May 27, 1992, Conoco Inc. will respectfully request that the above captioned hearing be dismissed without prejudice.

DATED this \_\_\_\_\_\_ day of May, 1992.

PEARCE & DURICK

LAWRENCE BENDER

Attorneys for Applicant Conoco Inc.

314 East Thayer Avenue Post Office Box 400

Bismarck, North Dakota 58502

STATE OF NORTH DAKOTA

COUNTY OF BURLEIGH	) MAILING )
	)
	worn upon oath, depose and say: That on the , 1992, I enclosed in
separate envelopes true and correct	t copies of the attached Order No. 6328
of the North Dakota Industria	l Commission, and deposited the same with the
	ismarck, North Dakota, with postage thereon fied mail to the following persons, all of whom
	dustrial Commission in Case No. 5322 :
Mr. John Morrison	
P. O. Box 2798 Bismarck, ND 58502	
DIBMILOR, NO JOSOZ	
Mr. Lawrence Bender P. O. Box 400	
Bismarck, ND 58502	
Mr. Paul Schulz	
Conoco Inc.	
800 Werner Court	
Casper, WY 82601	
	$\Lambda$
	Imna Prover
	Donna Bauer
	Oil & Gas Division
194	20/ 100
On this day of appeared on MA (Name	before me personally to me known as the person described in
and who executed the foregoing	g instrument and acknowledged that she executed
the same as her free act and deed	· 0.01
	Cove Poberson
	Nøtary Públic State of North Dakota County of Burleigh
	My Commission expires 7-3-42

AFFIDAVIT OF CERTIFIED

CASE NO. 5322 (CONTINUED) ORDER NO. 6328

ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION CONOCO INC. FOR AN ORDER CERTIFYING THE DICKINSON-HEATH SAND UNIT LOCATED IN STARK COUNTY. NORTH DAKOTA, AS "QUALIFYING SECONDARY RECOVERY PROJECT" FOR THE PURPOSE ACQUIRING THE TAX REDUCTIONS PROVIDED BY NORTH DAKOTA CENTURY CODE CHAPTER 57-51.1 AND SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION DEEM MAY APPROPRIATE.

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

Pursuant to legal notice this cause came on for hearing at 9:00 a.m. on the 25th day of September, 1991, in Bismarck, North Dakota, before an examiner appointed by the Industrial Commission of North Dakota, hereinafter referred to as the "Commission."

NOW, on this  $\frac{1/tn}{t}$  day of  $\frac{t}{t}$ , 1992, 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 Section 38-08-11 of the North Dakota Century Code ("NDCC") provides that the Commission shall enter its orders within thirty (30) days after hearing.
- (3) That due to the absence of administrative rules implementing tax incentives provided in Chapter 57-51.1 of the NDCC, additional time is necessary for the Commission to render a decision in this matter; therefore, this matter should be continued.

Case No. 5322 (Continued) Order No. 6328

- (4) That Commission rules relating to the tax incentive provided by Chapter 57-51.1 NDCC will be effective on or before the 1st day of May, 1992.
  - (5) That applicant needs to present additional data in this matter.

#### IT IS THEREFORE ORDERED:

(1) That this matter is hereby continued to the regularly scheduled hearing on May 27, 1992.

INDUSTRIAL COMMISSION STATE OF NORTH DAKOTA

/s/ George A. Sinner

George A. Sinner, Governor

/s/ Nicholas J. Spaeth

Nicholas J. Spaeth, Attorney General

**/s/**Sarah Voger

Sarah Vogel, Commissioner of Agriculture

STATE OF NORTH DAKOTA COUNTY OF BURLEIGH	) AFFIDAVIT OF CERTIFIED ) MAILING )
24th day of <u>January</u> envelopes true and correct co North Dakota Industrial Commissi States Postal Service in Bis	opies of the attached Order No. 6275 of the con, and deposited the same with the United smarck, North Dakota, with postage thereon fully to the following persons, all of whom appeared
Mr. Paul Schulz Conoco 800 Werner Court Casper, WY 82601	
appeared <u>Aunu Nuun V</u>	Donna Bauer Oil & Gas Division  Amay, 19 12, before me personally to me known as the person described in instrument and acknowledged that she executed ed.  But April
	State of North Dakota County of Burleigh My Commission expires _//-3-92-

•	)
STATE OF NORTH DAKOTA	) AFFIDAVIT OF CERTIFIED ) MAILING
COUNTY OF BURLEIGH	)
•	j
I Donna Rayor boing duly	cuern upon eath denote and cause That on the
3rd day of January	sworn upon oath, depose and say: That on the , 1992, I enclosed in separate
onvoloned two and convert on	pies of the attached Order No. 6275 of the
	on, and deposited the same with the United
	marck, North Dakota, with postage thereon fully
	to the following persons, all of whom appeared
at the hearing of the industrial	Commission in Case No. 5322:
Mr. Lawrence Bender	
P. O. Box 400	
Bişmarck, ND 58502	
Mr. John Morrison	
P. O. Box 2798	
Bismarck, ND 58502	
BISHICK, ND 30302	
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	1 JOHNA MALL
	Donna Bauer
	Oil & Gas Division
·	
auth a Ch	97
	to me known as the person described in
appeared Donna Baker	$\mathcal{U}$ to me known as the person described in
	nstrument and acknowledged that she executed
the same as her free act and dee	$\alpha$ .
	Colina Balancia
	Cova Holewon
•	Notary Public
	State of North Dakota County of Burleigh
	My Commission expires <u>//-3-42-</u>

CASE NO. 5322 (CONTINUED) ORDER NO. 6275

ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN **ORDER** CERTIFYING THE DICKINSON-HEATH SAND UNIT LOCATED IN STARK COUNTY. NORTH DAKOTA, "QUALIFYING SECONDARY RECOVERY PROJECT" PURPOSE FOR THE ACQUIRING THE TAX REDUCTIONS PROVIDED BY NORTH DAKOTA CENTURY CODE CHAPTER 57-51.1 AND SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION MAY DEEM APPROPRIATE.

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

Pursuant to legal notice this cause came on for hearing at 9:00 a.m. on the 25th day of September, 1991, in Bismarck, North Dakota, before an examiner appointed by the Industrial Commission of North Dakota, hereinafter referred to as the "Commission."

NOW, on this 30th day of 100mble, 1991, 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 Section 38-08-11 of the North Dakota Century Code provides that the Commission shall enter its orders within thirty (30) days after hearing.
- (3) That due to the absence of administrative rules implementing tax incentives provided in Chapter 57-51.1 of the North Dakota Century Code, additional time is necessary for the Commission to render a decision in this matter; therefore, this matter should be continued.

Case No. 5322 (Continued) Order No. 6275

### IT IS THEREFORE ORDERED:

(1) That this matter is hereby continued for ninety (90) days or untifurther order of the Commission.
Dated this 30th day of 10mber, 1991.
INDUSTRIAL COMMISSION STATE OF NORTH DAKOTA
/s/ George A. Sinner George A. Sinner, Governor
/s/ Nicholas J. Spaeth
Nicholas J. Spaeth, Attorney General

Sarah Vogel, Commissioner of Agriculture

CASE 5247 5252 5378 5379 5380	6223 6224 6225	Jeanber 1991 hearings
5381 5383 5384 5385 5386 5387 5369	6227 6229 6230 6231 6232 6233	(signed 12/30/91)
5388 5389 5390 5391 5392 5393 5394	6235 6236 6237 6238 6239	t certified mail
5395 5396 5397 5398 5399 5400 5401	6242 6243 6244 6245 6246 6247 6248 6249	Farrence Binder Box 400 Bismarck, ND 58502
5403 5404 5405 5406 5407 5408 5409	6250 6251 6252 6253 6254 6255 6256	John Morrison   Errust Fleck Firm Fleck
5410 5411 5412 5413 5414 5415 5416	6257 6258 6259 6260 6261 6262 6263 6264	Flick firm Box 2798 Bismarck, ND 58502
5418 5419 5420 5421 5422 5423 5424 5322 5338	6265 6266 6267 6268	1 Case # 5247, for Hitied slip)

STATE OF NORTH DAKOTA COUNTY OF BURLEIGH	AFFIDAVIT OF MAILING )
separate envelopes true 6182 of the Nosame with the United Sta	of October, 1991, I enclosed in and correct copies of the attached Order North Dakota Industrial Commission, and deposited the tes Postal Service in Bismarck, North Dakota, with directed to the following persons, all of whom the Industrial Commission in Case No. 5322
Mr. Paul Schulz Conoco Inc. 851 Werner Court Casper, WY 82601	
	Donna Bauer Oil & Gas Division
	day of to me known as the day who executed the foregoing instrument and secuted the same as his/her free act and deed.
	Notary Public State of North Dakota County of Burleigh My Commission expires [-3-92

CASE NO. 5322 (CONTINUED) ORDER NO. 6182

ON A MOTION OF THE COMMISSION TO THE CONSIDER APPLICATION OF CONOCO INC. FOR AN ORDER THE **DICKINSON-HEATH** CERTIFYING UNIT LOCATED SAND IN STARK DAKOTA, COUNTY, NORTH AS "QUALIFYING SECONDARY RECOVERY PROJECT" FOR THE PURPOSE TAX THE REDUCTIONS ACQUIRING NORTH PROVIDED BY DAKOTA CENTURY CODE CHAPTER 57-51.1 AND SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION MAY DEEM APPROPRIATE.

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

Pursuant to legal notice this cause came on for hearing at 9:00 a.m. on the 25th day of September, 1991, in Bismarck, North Dakota, before an examiner appointed by the Industrial Commission of North Dakota, hereinafter referred to as the "Commission."

#### 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 Section 38-08-11 of the North Dakota Century Code provides that the Commission shall enter its orders within thirty (30) days after hearing.
- (3) That due to the absence of administrative rules implementing tax incentives provided in Chapter 57-51.1 of the North Dakota Century Code, additional time is necessary for the Commission to render a decision in this matter; therefore, this matter should be continued.

Case No. 5322 (Continued) Order No. 6182

### IT IS THEREFORE ORDERED:

further order of the Commission	<i>a</i> \
Dated this $\frac{1}{1}$ day of	<u>Octobel</u> , 199_1.
	NDUSTRIAL COMMISSION TATE OF NORTH DAKOTA
	/s/ George A Sinner
ā	leorge A. Sinner, Governor
	/s/ Nicholas J. Shaeth
N	icholas J. Spaeth, Attorney General
	/s/Sarah Vogel
$\overline{\mathbf{s}}$	arah Vogel, Commissioner of Agriculture

STATE OF NORTH DAKOTA COUNTY OF BURLEIGH	) ) )	AFFIDAVIT OF MAILING
separate envelopes true  6157 of the No same with the United Sta postage thereon fully pa	ng duly sworn upon oath, of September and correct copies of rth Dakota Industrial Comm ites Postal Service in Bis id, directed to the follow f the Industrial Commission	the attached Order No. dission, and deposited the marck, North Dakota, with wing persons, allog whom
Mr. Paul Schulz Conoco Inc. 851 Werner Court Casper, WY 82601		
	Donna Bauer Oil & Gas Div	W Baut
	day of Jenting  Johna Source  nd who executed the form  xecuted the same as his/her	to me known as the oregoing instrument and free act and deed.
	Notary State of North Dakota Cou	y Public unty of Burleigh

## 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.

September 13, 1991

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

RE: CONTINUANCE OF CASE NO. 5322

Dear Mr. Bender:

Pursuant to Section 43-02-03-90 North Dakota Administrative Code, any person moving for continuance of a hearing, and who is granted the continuance, shall submit twenty-five dollars (\$25.00) to the Industrial Commission to cover the cost of republication for the notice of hearing.

At its meeting on September 13, 1991, the Industrial Commission entered Order No. 6157 granting the request of Conoco Inc. for a continuance of Case No. 5322 to the September 25, 1991 hearings.

Enclosed is Invoice No. 4461 in the amount of \$25.00. Please submit payment at your earliest convenience.

Sincerely,

Tracy Heilman

Information Processor

th enc.

CASE NO. 5322 ORDER NO. 6157

ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION CONOCO INC. FOR AN ORDER CERTIFYING THE **DICKINSON-HEATH** LOCATED SAND UNIT IN STARK COUNTY, NORTH DAKOTA, AS "QUALIFYING SECONDARY RECOVERY PROJECT" FOR THE PURPOSE OF ACQUIRING THE TAX REDUCTIONS PROVIDED BY NORTH DAKOTA CENTURY CODE CHAPTER 57-51.1 AND SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION MAY DEEM APPROPRIATE.

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

Pursuant to legal notice this cause came on for hearing at 9:00 a.m. on the 28th day of August, 1991, in Bismarck, North Dakota, before an examiner appointed by the Industrial Commission of North Dakota, hereinafter referred to as the "Commission."

NOW, on this 13th day of 10th 10th, 1991, 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 counsel for the applicant, Conoco Inc., requests that this case be continued to the regularly scheduled hearing on September 25, 1991.
  - (3) That there were no objections to said request.

#### IT IS THEREFORE ORDERED:

(1) That this case is hereby continued to the regularly scheduled hearing on September 25, 1991.

Case No. 5322 Order No. 6157

Dated this 13th day of September, 1991

INDUSTRIAL COMMISSION STATE OF NORTH DAKOTA

/s/ George A Sinner

George A. Sinner, Governor

/s/ Nicholas J. Spaeth

Nicholas J. Spaeth, Attorney General

/s/Sarah Vogel

Sarah Vogel, Commissioner of Agriculture

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CONOCO INC.	E NO. 5322	EXHIBIT NO. 1			97 W		u			12			7			•	R	96 W		10		"		NE
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### SECONDARY RECOVERY PROJECT CERTIFICATION APPLICATION DICKINSON HEATH SAND UNIT STARK COUNTY, NORTH DAKOTA

#### BACKGROUND DATA

Unit Location: Lands located in T139N, R96 & 97W and T140N,

R96 & 97W, Stark County, North Dakota

Acres in Unit: 16,400 acres ±

Unitized Horizon: Tyler formation (reclassified from Heath

formation by NDIC Order No. 4887, dated

6/12/87

Authorizing Order: NDIC Order No. 1186, dated 11/30/72

Effective Date of Unit: 3/15/73, per NDIC Order No. 1202

\*\*\*\*\*

Cumulative Production @ 5/91: 24,181,695 Bbls Oil

32,323,056 Bbls Water

7,435,737 MCF Gas

No. of Active Producers @ 5/91: 23 wells

Current Production @ 5/91:

1,163 BOPD

9,551 BWPD

135 MCFD

#### \*\*\*\*\*

Injection Initiated:

12/17/73

Cumulative Injection @ 5/91:

59,010,623 Bbls water

No. of Active Injectors @ 5/91: 15 wells

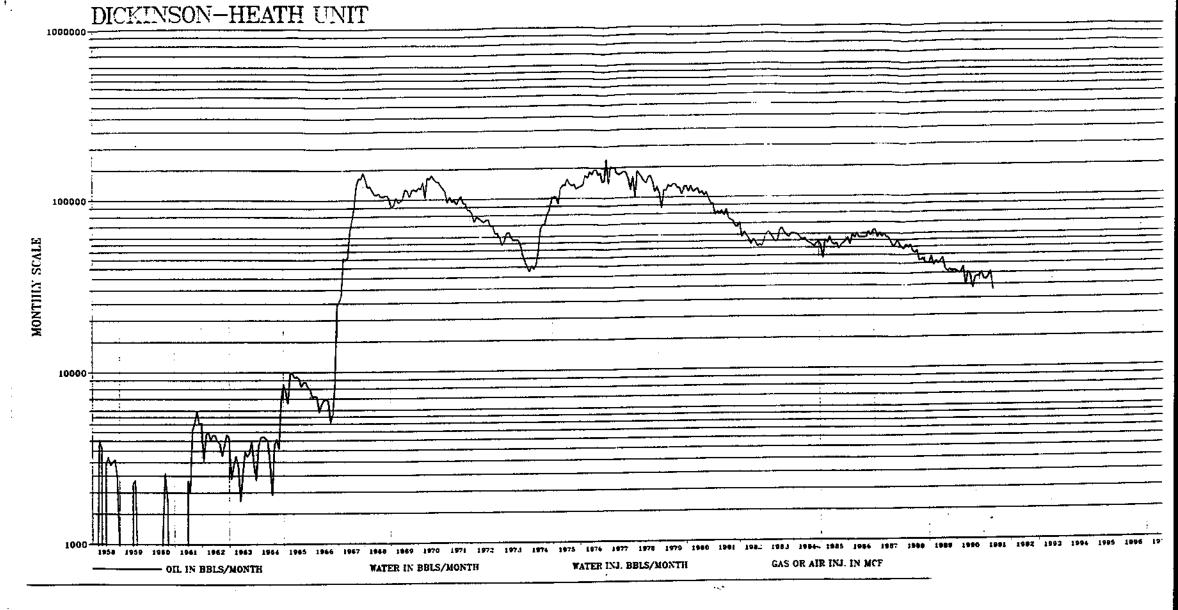
Current Injection @ 5/91: 11,522 BWPD water

\*\*\*\*\*

CONOCO INC.

**CASE NO. 5322** 

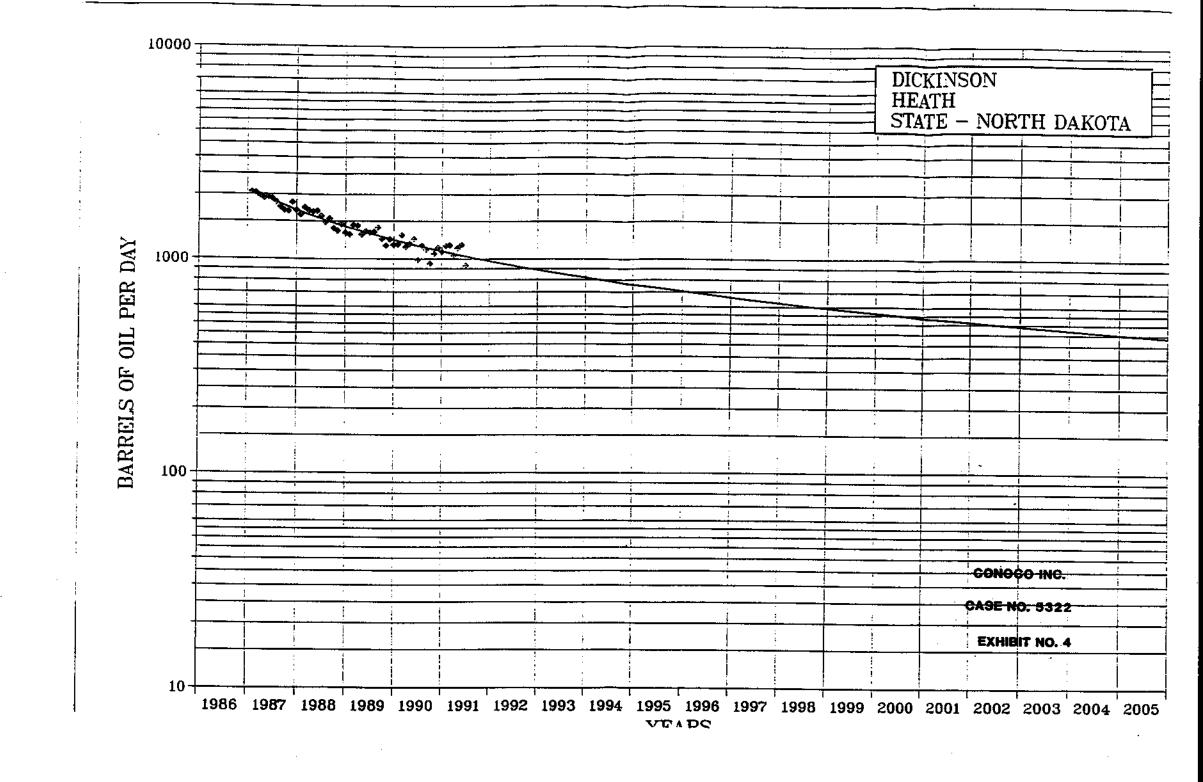
**EXHIBIT NO. 2** 



CONOCO INC.

**CASE NO. 5322** 

**EXHIBIT NO. 3** 



#### INPUT DATA

TIME	OIL RATE
1 2 3 4 5 6 7	2054.6 2036.3 1968.2 1919.1 1941.4 1910.6 1036.6
89111 112 123 145 165	1746.1 1680.7 1688.6 1635.5 1683.4 1608.1 1737.8
17 18 19 20 21	1681.9 16677.5 1587.6 1485.1 1542.9 1392.4 1353.7
23 24 25 26 27 28 29 30	1453.6 1322.2 1300.5 1437.5 1426.8 1296.7 1341.3
31 32 33 34 35 36	1334.4 1399.3 1237.0 1153.6 1231.5 1162.0
36 39 40 41 42 43 44 45	1287.6 1134.5 1174.7 1236.1 987.7 1150.1 1102.5 949.6
46 47 48 49 50	1055.6 1126.6 1076.0 1148.1 1155.7 1034.1
52 53 54	1163.0 930.0

CUMULATIVE RECOVERY AT INITIAL TIME =0+22028320E+08 LENGTH OF EVALUATION IN MONTHS = 240 TIME INTERVAL USED FOR EVALUATION IN MONTHS # 1 MONTH AND YEAR OF INITIAL TIME = 12/1966 ECONOMIC LIMIT = 61.0 BOPD
DATA ENTERED IS BEST FIT WITH A HYPERBOLIC DECLINE

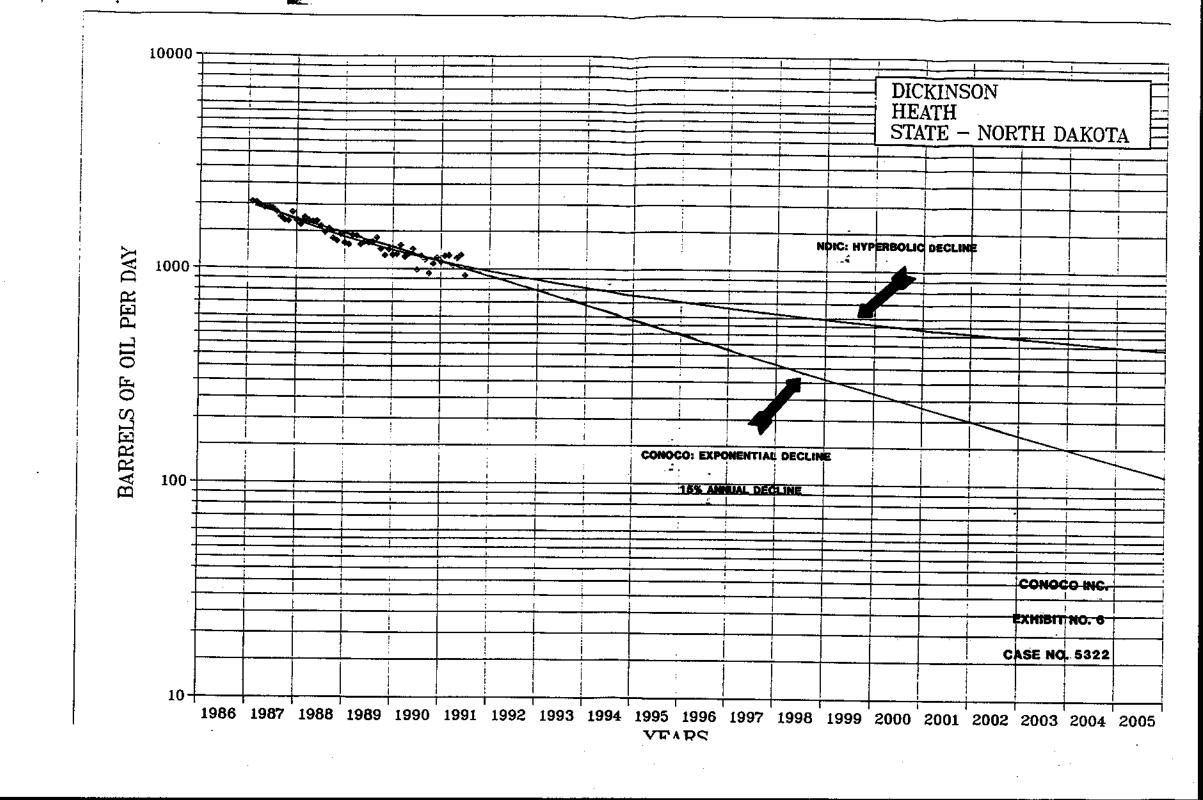
STANDARD DEVIATION = 0.56908183E-01 REQUIRED SHIFT = 0.36000000E+02 CONSTANTS FOR ARPS RATE-TIME EQUATION AS FOLLOWS B = 0.12612677E+01

**CASE NO. 5322** CONOCO INC.

TIME	= 0.21157861E+04 DATE	BOPD	CUMULATIVE OIL	INCREMENTAL OIL	DAILY AVERA
1.0	1/87	0.20703198E+04	0.22091936E+08	0.63616000E+05	0.20926318E
2.0	2/67	0.20270046E+04	0.22154208E+08 0.22215200E+08	0-62272000E+05	0.20484214E
3.0	3/67	0.19856863E+04	0.22215200€+08	0.609920006+05	0.20063162E
4.0	4/67	0.19462244E+04 0.19084927E+04	0.22274960E+08 0.22333552E+08	0.59760000E+05 0.58592000E+05	0.19657898E 0.19273687E
5.0 6.0	5/67 6/87	0.187237576+04	0.22391008E+08	0.57456000E+05	0.18900002
7.0	7/87	0-18377681E+04	0.22447408E+08	0.56400000E+05	0.18552634E
6.0	8/87	0-18045742E+04	0.22502752E+08	0.55344QQ0E+05	0.18205266E
9.0	9/87	0.17727043E+04	0-22557136E+08	0.54364000E+05	0-17889475E
10.0	10/67	0.17420811E+04	0.226105605+08	0.53424000E+05 0.52496000E+05	0.17573687E 0.17268423E
11.0	11/67 12/67	0.17126282E+04 0.16842781E+04	0.22663056E+08 0.22714704E+08	0.51648000E+05	0.16989475E
13.0	1/86	0.16569670E+04	0.22765472E+08	0.50768000E+05	0.167000025
14.0	2/58	0.16306377E+04	0.22815440E+08	0.49968000E+05	0.16436843E
15.0	3/88	0.16052356E+04	0.22864624E+08	0.49184000E+05	0.16179950E
16.0	4/85	0-15907114E+04	0.22913056E+08	0.48432000E+05 0.47696000E+05	0.15931582E 0.15689475E
17.0 18.0	5/88 6/86	0.15570183E+04 0.15341135E+04	0.22960752E+08 0.23007728E+08	0.46976000E+05	0.15452634E
19.0	7/88	0.15119558E+04	0.23054032E+08	0.46304000E+05	0.152315806
20.0	8/88	0.14905095E+04	0.23099664E+08	0.45632000E+05	0.15010527€
21.0	9/88	0.14697393E+04	0.23144656E+0B	0.44992000E+05	0.148000026
22.0	10/68	0.14496118E+04	0.231890246+08	0.44368000E+05 0.43776000E+05	0.145947398
23.0 24.0	11/68 12/68	0.14300974E+Q4 0.1411167GE+04	0.23232600E+08 0.23275984E+08	0.4317600E+05	0.144000025 0.142052646
25.0	1/69	0.13927939E+04	0.23218608E+08	0.42624000E+05	0.14021055
26.0	2/89	0.13749531E+04	0.23360672E+08	0.42064000E+05	0.138368438
27.0	3/89	0.13576206E+04	0.23402208E+08	0.41536000E+05	0.136631596
28.0	4/89	0-13407742E+04	0.234432166+08	0.4100000000000	0.134894756
29.0	5/89 6/89	0.13243936E+04 0.13084587E+04	0.23483728E+08	0.40512000E+05 0.40016000E+05	0.13326318E 0.13163159E
30.0 31.0	7/89	0-12929507E+04	0.23523744E+08 0.23563280E+08	0.39536000E+05	0.130052645
32.0	8/89	0.12778525E+U4	0.23602352E+08	0.39072000E+05	0.129526326
33.0	9/89	0.12631470E+04	0.23640976E+08 0.23679168E+08	0.38624000E+05	0.127052646 0.125631596
34.0	10/89	0.12486186E+04	0.23679168E+08 0.23716912E+08	0.38192000E+05 0.37744000E+05	0.125031596
35.0 36.0	11/89 12/89	0.12348523E+04 0.12212346E+04	0.237542406+08	0.37328000E+05	0.122789485
37.0	1/90	D_I2D79521F+D4	0.237911666+08	0.36928000E+05	0.121473716
3a.ò	2/90	0.11949917E+04 0.11823413E+04	0.23 <b>8</b> 27696E+08	0.36528000E+05	0.12015791F
39.0	3/90	0.118234L3E+04	0.23863840E+08	0.36144000E+05	0.11889475E
40.0 41.0	4/90 5/90	0.11699900E+04 0.11579268E+04	0.23899584E+08 0.23934976E+08	0.35744000E+05 0.35392000E+05	0.11757896E 0.11642107E
42.0	6/90	0.11461409E+04	0.23969984E+08	0.35008000E+05	0.115157916
43.0	7/90	0.11346230E+04	0.24004656E+08	0.34672000E+05	0.11405264E
44.0	<b>8/90</b>	0.11233630E+04	0.24038976E+08	0.34320000E+05	0.11289475E
45-0	9/90 10/90	0.11(235J36+04 0.110(5842E+04	0.24072960E+08 0.24106608E+08	0.33984000E+05 0.33648000E+05	0.11178948E 0.11068423E
46.0 47.0	11/90	0.10910483E+04	0.24139936E+08	0.33328000E+05	0.10963159F
48.0	12/90	0.10807375E+04	0.24172944E+08	0.33008000E+05	0.10963159E
49.0	1/91	0.10706445E+04	0.24205648E+08	0.32704000E+05	0.10757896E
50.0	2/91	0.10607620E+04	0-24238048E+08	0.32400000E.05	0.10657896E 0.10557896E
51.0 52.0	3/91 4/91	0.10510835E+04 0.10416023E+04	0.24270144E+08 0.24301952E+08	0.32096000E.05 0.31608000E.05	0.104631598
53.0	5/91	0.103231236+04	0.24333472E+08	0.315200006+05	0.10368423E
54.0	6/91	0.10232075E+04	0.24364720E+08	0.31248000E+05	0.102789486
5.0	7/91	0.10142825E+04	0.24395680E+08	0.30960000E+05	0.101842118
6.0	8/91	0.10055317E+04	0.24426384E+08	0.30704000E+05 0.30432000E+05	0.10100000E 0.10010527E
57.0 5 <b>6.</b> 0	9/91 10/91	0.99694946E+03 0.98853149E+03	0.24456816E+08 0.24487008E+08	0.30192000E+05	0.993157965
59.0	11/91	0.980272226+03	0.24516928E+08	0.299200000+05	0.984210698
50. Ö	12/91	0.97216724E+03	0.24546608E+08	0.29680000E+05	0.976315926
1.0	1/92	0.96421269E+03	0.245760326+08	0.29424000E+05	0.96789478E 0.96052637E
32.0	2/92 3/92	0.956403565+03	0.24605232E+08	0.29200000€+05 0.28960000E+05	0.960526376
3.0 54.0	4/92	0.94673657E+03 0.94120605E+03	0.24634192E+08 0.24662912E+08	0.28720000E+05	0.95263159E
55.0	5/92	0.9338L0SSE+03	0.24691408E+08	0.28496000E+05	0.937368416
56.0	6/92	0.92654443E+03	0.24719696E+08	0.28288000E+05	0.930526375
37.0	7/92	0-919405036+03	0.24747760E+08	0.28064000E+05	0.923157965
58.0	6/92 9/92	0.91238916E+03	0.24775600E+08 0.24803232E+08	0.27840000E+05 0.27632000E+05	0.91575955E 0.90894751E
59.0 70.0	10/92	0.405442436403	0.24830640E+08	0.27403000E+05	0.90157910E
71.0	11/92	0.91238916E+03 0.90549243E+03 0.89871313E+03 0.89204712E+03	0.24657872E+08	0.27232000E+05	0.895789556
72.0	12/92	0.885492436+03	0.24884880E+08	0.27008000E+95	0.888421146
73.0	1/93	0.87904541E+03	0.24911712E+08	0.26832000E+05	0.882631598
74.0	2/93 3/93	0.87270361E+03 0.86646387E+03	0.24938320E+08 0.24964768E+08	0.26608000E+05 0.26448000E+05	0.87526318E
75.0 76.0	4/93	0.86032446E+03	0.249010085+08	0.26240000E+05	0.863157065
77.0	5/93	0.85428247E+03	0.24991005E.08 0.25017072E.08	0.26064000E+05	0.85736841E
78.0	6/93	0.84833545E+03	0.25042960E+08	0.258880006+05	0.6212,4105
79.0	7/93	0.842481456+03	0.25068656E+08	0.25696000E+05	0.945263185
80.0 91.0	8/93 3/93	0.83671825E+03 0.83104297E+03	0.25094176E+08 0.25119536E+08	0.25520000E+05 0.25360000E+05	0.83947363E 0.83421069E

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	84.0	12/93	0.814528086+03	0.251945606+08	U.Z4040UUUE+UA	Omina rust Deale Folia
	85.0	1/94	0.80918555E+03	0.252;9248E+08	0.24685000E+05	0.012105226+03
	96.0	2/94	0.80392236E+03	0.25243760E+08	0.24512000E+05	0.806315926+03
240°	97-0	3/94 4/94	0.798736086.03	0.25268128E+08 0.25292320E+08	0.24368000E+05 0.2419200E+05	0.80157910E+03 0.79578955E+03
	88.0 89.0	5/94	0.79362476E+03 0.78858643E+03	0.25316368E+06	0.240480006+05	0.79105273E • 03
	90.0	6/94	0.78362036E+03	0.25340272E+08	0.23904000E+05	0.786315928+03
	91.0	7/94	0.77872437E+03	0.253640326+08	0.23760000E+05	0.78157910£+03
	95-0	8/94	0.77389746E+03	0.25387616E+08	0.23584000E+05	0.77578955E+03 0.77157910E+03
	93.0 94.0	9/94 10/94	0.76913696E+03 0.76444238E+03	0.254110726+08 0.254343846+08	0.23456000E+05 0.23312000E+05	0.76684204E+03
100	95.0	11/94	0.75981177E+03	0.254575526+08	0.23168000E+05	0.762105226+03
100	96.0	12/94	0.7552446JE+03	0.254805926+08	0.23040000E+05	0.757894786+03
	97.0	1/95	0.75073926E+03	0.25503472E+08	0.22880000E+05	0.752631595.03
	98.0	2/95 3/95	0.74629346E+03 0.74190723E+03	0,25526240E+08 0,25546848E+08	0.22768000E+05 0.22608000E+05	0.74894751E+03 0.74368433E+03
	99.0 100.0	4/95	0.737576376+03	0.25571328E+08	0.224800006.05	0.73947363E+03
	101.0	5/95	0.73330640E+03	0.25593696E+08	0.22368000E+05	0.73578955£+03
	102.0	6/95	0.72909033E+03	0.25615920E+08	0.22224000E+05	0.73105273E+03
44.	103.0	7/95 8/95	0.724928226+03	0.25638032E+08 0.25660000E+08	0.22112000E+05 0.21968000E+05	0.727368415+03 0.722631595+03
5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	104.0 105.0	9/95	0.720820312+03 0.71676367E+03	0.256818568+08	0.2185600000.05	0.71-94751E+03
Marie .	106.0	10/95	0.71275879E+03	0.25703584E+08	0.21728000E+05	0.71473682E+03
7.2	107+0	11/95	0.70880493E+03	0.25725184E+08	0.21600000E+05	0.710526375+03
	108.0	12/95	0.704898446.03	0.257466725+08	0.21488000E+05 0.21360000E+05	0.70584204E+03 0.70263159E+03
<b>26</b>	109.0	1/96 2/96	0.70104224E+03 0.69723169E+03	0.25768032E+08 0.25789296E+05	0.21264000€+05	0.69947363E+03
	iii.ŏ	3/96	0.69346924E+03	0.25010432E+08	0.21136000E+05	0.69526318E+03
	112.0	4/96	0.669751226+03	0.25831456E+08	0.21024000E+05	0.69157886E+03
	113.0	5/96	0.686078126+03	0.25552368E+08	0.209120006+05	0.68789478E+03 0.68421045E+03
	114.0 115.0	6/96 7/96	0.68244897E+03 0.6788640LE+03	0.25873168E+08 0.25893856E+08	0.20800000E+05 0.20688000E+05	0.68052677E+03
	116.0	8/96	0.67532031E+03	0.25914448E+08	0.20592000E+05	0.67736841E+03
	117-0	9/96	0.67L91860E+03	0.2593 <b>4928E</b> +08	0.20480000E+05	0.67368433E+03
	118-0	10/96	0.66835767E+03	0.25955296E+08	0.20368000E+05	0.67000000E+03 0.66584204E+03
	119.0 120.0	31/96 12/96	0.66493652E+03 0.66155469E+03	0.25975568E+08 0.25995728E+08	0.20272000£+05 0.20160000£+05	0.663157965+03
	121.0	1/97	0.65821094E+03	0.26015792E+08	0.20064000E+05	0.6600000E+03
4	122.0	2/97	Q.65490625E+03	0.26035744E+08	0.19952000E+05	0.65631592E+03
	123.0	3/97	0.65163867£+03	0.26055600E+08	0.19856000E+05	0.65315796E+03
<b>92.</b>	124.0 125.0	4/97 5/97	0.64540771E+03 0.64521240E+03	0.26075360E+08 0.26095024E+08	0.19760000E+05 0.19664000E+05	0.65000000E+03 0.64684204E+03
4.2	126.0	6/97	0.64205249E+03	0.26114592E+08	0.19568000E+05	0.64368433E+03
	127.0	7/97	0.63892749E+03	0.26134064F+08	0+19472000E+05	0.64052637E+03
A STATE OF THE STA	128.0	8/97	0.63583667E.03	0.26153440E+08	0.19376000E+05	0.63736841E+03
	129.0 130.0	9/97 10/97	0.63277930E+03 0.62975464E+03	0.26172720E+08 0.26191920E+08	0.19280000E+05 0.19200000E+05	0.63421045E+03 0.63157886E+03
	131.0	11/97	0.62676367E+03	0.26211008E+08	0.19088000E+05	0.62789478E+03
	132.0	12/97	0.62380347E+03	0.26230032E+08	0.19024000E+05	0.62578955E+03
	133.0	1/98	0.62087524E+03	0.262489446+08	0.18912000E+05	0.62210522E+03 0.61947363E+03
	134.0 135.0	2/98 3/98	0.61797778E+03 0.6151:084E+03	0.26267776E+08 0.26286512E+08	0.18832000E+05 0.19736000E+05	0.616315672+03
33	136.0	4/98	0.61227344E+03	0.26305168E+08	0.186560B0E+05	0.61368433E+03
V 44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	137.0	5/98	0.60946582E+03	0.26323744E+08	0.18576000E+05	0.611052736+03
<b>一类人的主要</b>	130.0	6/98	0.60668701E+03	0.26342224#+08	0.18480000E+05	0.60789478E+03 0.60526318E+03
4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	139.0 140.0	7/98 8/98	0.60393701E+03 0.60121484E+03	0.26360624E+08 0.26378944E+08	0.18400000E+05 0.18320000E+05	0.60263159E+03
	141.0	9/98	0.59852026E+03	0.263971842.08	0.18240000E+05	0.6000000E+03
	142.0	10/98	0.59585205£+03	0.26415328E+08	0.18144000E+05	0.595842046+03
	143.0	11/98	0.59321167E+03	0.26433408E+08	0.18080000E+05 0.18000000E+05	0.594736825+03 0.592105226+03
	144.0 145.0	12/98 1/99	0.59059692E+03 0.58800903E+03	0.26451408E+08 0.26469312E+08	0.179040006+05	0.58894727€+03
	146.0	2/99	0.56544556E+03	D.26487152E+08	0.178400006+05	0.58584204E+03
	147.0	3/99	0.56290796E+03	0.26504912E+08	0.17760000E+05	0.584210455+03
	148.0 149.0	4/99 5/99	0.58039453E+03 0.57790576E+03	0.26522592E+08 0.26540208E+08	0.17680000E+05 0.17616000E+05	0.58157886E+03 0.57947363E+03
	150.0	6/99	0.57544092E+03	0.26557728£+00	0.175200000005	0.57631567E+03
20,200	151.0	7/99	0.572999768+03	0.265751846+08	0.17456000E+Q5	0.57421045E+03
	152.0	8/99	0.57058228E+03	0.26592576E+08	0.17392000E+Q5	0.57210522E+03
	153.0	9/99	0+56818726E+03	0.26609888E.08	0.17312000E+05 0.17216000E+05	0.56947363E+03 0.56531567E+03
	154.0 155.0	10/99	0.56581494E+03 0.56346460E+03	0.26627104E+08 0.26644288E+08	0.17184000E+05	0.565263186+03
	156.0	12/99	0.561137216+03	0.26661376E+08	Q.17088000E+05	0.562105225+03
	157.0	1/0	0.55883057E+03	0.26678400E+08	0.17024000E+05	0.56000000E+03
	158.0	2/ 0	0.55654517E+03	0.26695344E+08	0.16944000E+05	0.55736841E+03 0.55578955E+03
	160.0	3/ 0 4/ 0	0.55428101E+03 0.55203784E+03	0.26712240E+08 0.26729056E+08	0.168160001.05	0.553157968+03
	161.0	5/ 0	0.54981543E+03	0.2674580BE+0B	0.16752000E+05	0.55105273E+03
200	162+0	6/ D	0.54761230E+03	0.267624BDE+0B	0.16672000E+05	0.548421I4E+03
	163.0	7/ 0	0.54542944E+03	0.26779088E+08	0.16608000£.05 0.16544000£.05	0.546315675+03
	164.0	8/ 0 9/ 0	0.543265876+03	0.26795632E+08 0.26812128F+08	0.16544000E+D5 0.16496000E+D5	0.54421945E+03 0.54263159E+03
	165.0 166.0	10/ 0	0.54112183E+03 0.53899683E+03	0.26828544E+08	0.16416000E+05	0.540000000000
	167.0	11/ 0	0.53689038E+03	0.26844896E+08	0.163520008.+05	0.53789478E+03
	168.0	12/ 0	0.53480298E+03	0.268611845.08	0.162880008+05	0.535789555+03
	169.0	1/ 1	0.53273764E+03	0.26877408E+08	0.162240002+05	0.533684085+03
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1.21.			•		
173.0	5/ 1 5/ 1	0.524633546.03 0.522651866.03	0.269416965.08	0-159840006+05	0-525789556+04
175.0	% 1	0.52068677E+U3	0.26957616£+03 0.26973472£+08	0.15920000E+05	0.523684085.03
176.0	ėźi	0.518738296.03	0.26989280€+08	0.15856000E+05 0.15808000E+05	0.521578865.03
177.0	9/ 1	0.51680664E+03	0.270050246+08	0.15744000E+05	0.52000005+03 0.517894785+03
178.0	10/ 1	0.51489160E+03	0.27020704E+08	0+156800306+05	0.515789555+03
179.0	117 1	0.512991216+03	0.27036320E+08	0.15616000E+05	0.513684085+03
180.0	12/ [	0.51110718E+03	0.270518885.08	0.15560000E+05	0.512105226+03
181.0	1/ 2 2/ 2	0.50923901E+03 0.50738623E+03	0.270674085.08	0.155200000+05	0.510526375+03
193.0	2/ 2 3/ 2	0.505548591+03	0.27082848E+08 0.270982406+08	0.15440000£+05 0.15392000£+05	0.507894786+03
184.0		0.503725336.03	0.271135846+08	0.153440006.05	0.50631567E+03 0.50473692E+03
185.0	4/ 2 5/ 2 5/ 2 7/ 2	0.501917726+03	0.271288646+08	0.15280000E+05	0.502631595+01
196.0	6/ 2	0.500124516+03	0.271440962+08	0.15232000E+05	0.501052495+33
187.0	7/ 2	0.49834570E+03	0.27159250E+05	0.15184000E+05	0.499473635+03
198.0	8/ 2 9/ 2	0.49658081E+03	0.271744006+08	0.12150000F+02	0.497368415+03
189.0 170.0	9/ 2	0.49482983E+G3 0.49309277E+G3	0.27189472€+08 0.272044965+08	0.150720000+05	0.495789558+03
191.0	11/ 2	0.491370126+03	0.27219456E+08	0.15024000£+05 0.14960000£+05	0.494210455.03
192.0	12/ 2	0.48966039E+03	0.272343686+08	0.14912000E+05	0.492105225+23 0.490526375+03
173.0	1/3	0.487964846+03	0.272.92165.08	0.1484H000E.C5	0.468421145.03
174.0	2/3	0.486281746+03	0.272540328+08	C.14810000E.05	0.487368415.03
125.0	3/ 3	0.484613056.03	0.27278784E+08	0.147520008.05	0.485263185.03
196.J 197.0	4/3 5/3	0.48295509E+03	0.272934 F8F + 08	0.147043006.05	0.483684085+03
198.0	6/ 3	0.45131079E+U3 0.47367920E+U3	0.27309163E.08 0.27322752E.08	0 • 1 46 72 0 0 0 E • 0 5	0-442631595+03
199.0	7/ 3	0.478060066+03	0.273373286.08	0+14572007E+05 0+14576000E+05	0.4800000UF+23
200.0	9/3	0.47645337E+03	0.27351824F+08	0.144960076+05	0.479473635+03 0.47684204E+03
201.0	9/ 3	0.474859136+03	0.27366288E+08	0.14464030E+05	0.475789555+03
202.0	10/ 3	0.473276615+03	0.273807046+08	0.144160U0E+05	0.474210455+03
203.0	11/ 3	0.47170561E+03	0.27395056E+08	0.14352000E+05	0.472105222+93
204.0 205.0	12/3	0.47014640£+03 0.46859961E+03	0.27409376E+08	0.14320000E+05	0.471052495+03
206.0	2/ 4	0.45706345E+03	0.27423643E+08 0.27437872E+08	0.14272000E+05	0.46747363E+03
207.0	3/ 4	0.4655J906E+03	0.274520486+08	0.142240006.05 0.141760006.05	0.467894785+03 0.46631567E+03
208.0	4/ 4	0.464025995+03	0.274661766.08	0.14123000E • 05	0.464736825+03
508+3	5/ 4	0.462523192.03	0.27480256E+08	0.14090000E+05	0.463157768.03
210.0	6/ 4	0.46103193E+03	0.27494288E+08	0.14032000E+05	0+461578865+03
211.0	7/ 4	0.459551278.03	0.27508288£+05	C.14000000E+05	0.460526375+03
212.0 213.0	8/ 4 9/ 4	0.45d08154E+03 0.45662256E+03	0.27522240F+08 0.27536128E+08	0.13952000E+05	0.459947275+03
214.0	10/ 4	0.455173346+03	0.27550000E+08	0.138@0000E+05 0.13672000E+05	9.45684294E+03 0.456315675+03
215.0	11/ 4	0.453735118+03	0.27563809E+08	0.1390800000.05	0.454210455+03
516.0	12/ 4	0.452307136+03	9.27577584E+0H	0.13776000E+05	0.45315796E+03
217.0 218.0	1/ 5	0.450889926.03	0.27591312E+OH	0.13728000E+05	0.45157896E+03
219.0	2/ 5 3/ 5	0.449481206+03 0.448083256+03	0.27605009F+08	0.13696000E+05	0.45052637E+03
220.0	4/ 5	0.44669507E+03	0.2761864QE+08 0.276J224QE+08	0.136320008.05	0.44842114E+03
221.0	5/ 5	Q.44531592E+03	0.276457925.00	0.13600000E.05 0.13552000E.05	0.44736841E+03 0.445789558+03
222.0	6/ 5	0.44394727E+03	0.276593125.08	0.135200006.05	0.44473632E+03
223.0	7/ 5	0.442587406+03	0.276727846+08	0.13472000E+05	0.443157965+33
224.0 225.0	9/ 5 9/ 5	0.441236826.03	0.27686224E+08	0 - 1 34 4 0 0 0 0 E + 0 5	0.442105225+03
226.0	10/5	0.43989624E+03 0.43856470E+03	0.27699616E+08 0.27712976E+09	0.13392000E+05	9.449526375+03
227.0	11/5	0.43724194E+03	0.27726298E+08	0.13360000E+05 0.13312000E+05	9,43947363E+03 9,43789478E+03
228.0	12/ 5	0.43592847E+03	0.27719552E+08	0.13264000€+05	0.435315675+03
229.0	1/6	0.434623786.03	0.277527848+08	0.132320008+05	0.435263186+03
230.0	2/6	0.43332764E+03	0.27755V84F+08	0.1320000000.05	0.43421045[+03
231.0 232.0	3/ 6 4/ 6	0.43204004E+03	0.27779136E.08	0-131520006+05	0.432631595+03
233.0	4/6 5/6	0.43076172E+U3 0.42949146E+O3	0.27792256E.08	0-131200000-05	0.431578865+03
234.0	6/ 6	J.42823022E+03	0.27805328E+08 0.27818368E+08	0.13072000£+05 0.13040000£+05	0.430000005.03
235.0	7/6	0-42697656E+03	0.27831360E+08	0.12992000E+05	0.424947275+0J 0.427368416+03
236+0	8/6	0.42573145E+03	0.27844320E+08	0.129600000 + 05	0.425315675+03
237+0	9/ 6	0.424494636+03	0.278572486.06	0.12928000£.05	0.42526318E+03
238.0	10/ 6	0.42326562E+03	0.278701286.08	0.1288000000+05	0.4236940BE+03
239.0 240.0	117 6 127 6	0.422045176+03 0.42093229L.03	0.27882976E+08	0.128490006.05	0+422631598+03
2-414	100 11	V+420732771.403	0.278957925.00	0.128160906.+05	7.42157896E+03



ALTERNATE DECLINE ANALYSES: DICKINSON HEATH SAND UNIT

; ;	NDIC Hyperbolic	Constant Percentage Decline	Statutory Decline		ce from Hyper		
Analysis			(10%)	Constant Percentage		Statutory	
Month	BOPD	BOPD	BOPD	BOPD	Percent	BOPD	Percent
7/91	1,014	1,014	1,014	0	0.00%	0	0.007
7/92	919	862	913	57	6.231	7	0.71%
7/93	842	733	822	110	13.02%	21	2.48%
7/94	779	623	739	156	20.017	39	5.05%
7/95	725	529	665	195	26.96%	59	8.201
7/96	679	450	599	229	33.71%	80	11.78%
7/97	639	383	539	256	40.132	100	15.63%
7/98	604	3 <b>25</b>	485	279	46.16%	119	19.671
7/99	573	276	. 437	297	51.77%	136	23.80%
7/2000	545	235	3 <b>93</b>	311	56.93%	152	27.961
7/01	521	200	354	321	61.65%	167	32.08%
7/02	498	170	318	329	45.94%	180	36.13%
7/03	478	144	284	334	69.82%	192	40.08%
7/04	460	123	258	337	73.31%	202	43.901
7/05	443	104	232	338	76.45%	211	47.57%
7/06	427	69	209	338	79.25%	218	51.097

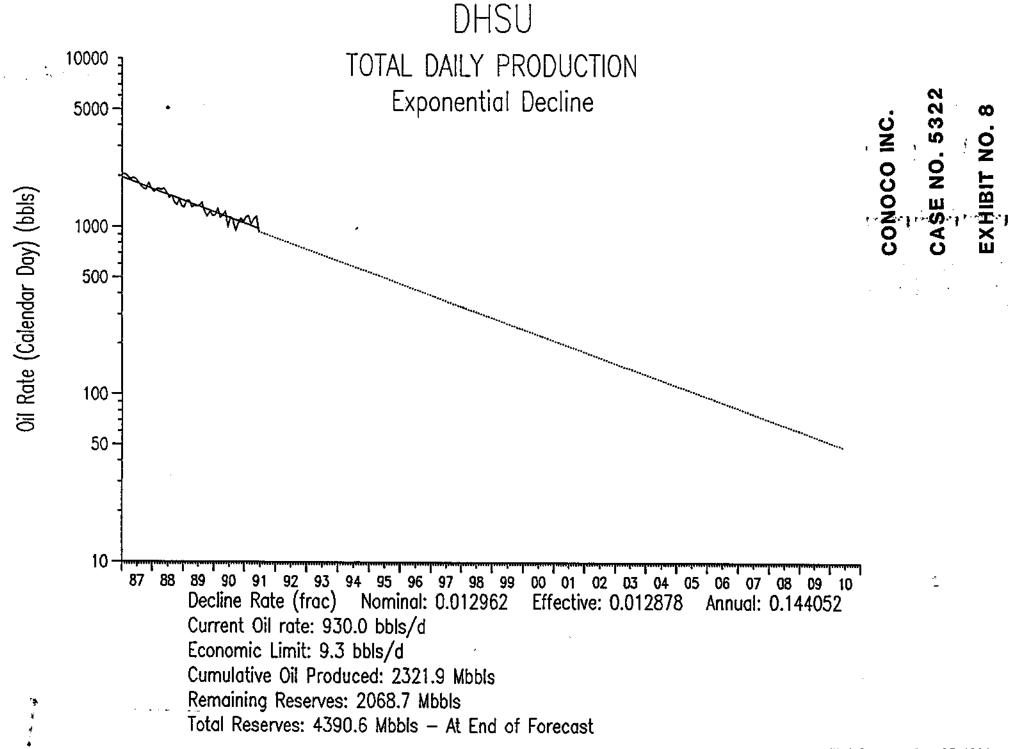
<sup>\$ = 15%</sup> annual decline (exponential factor = 0.1625).

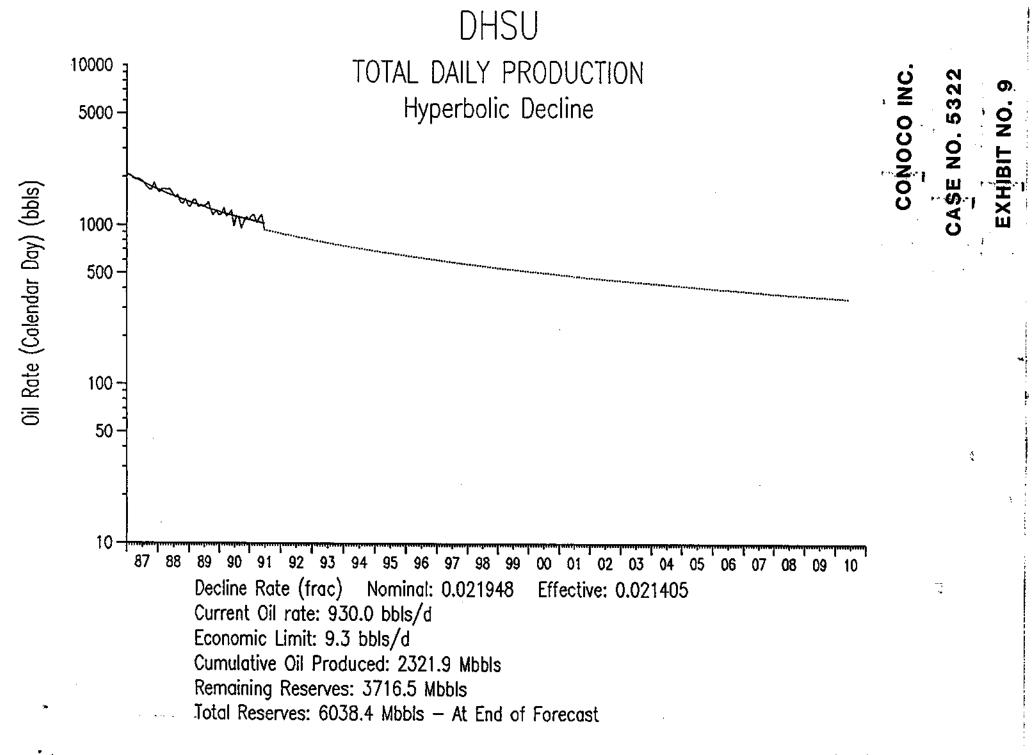
CONOCO INC.

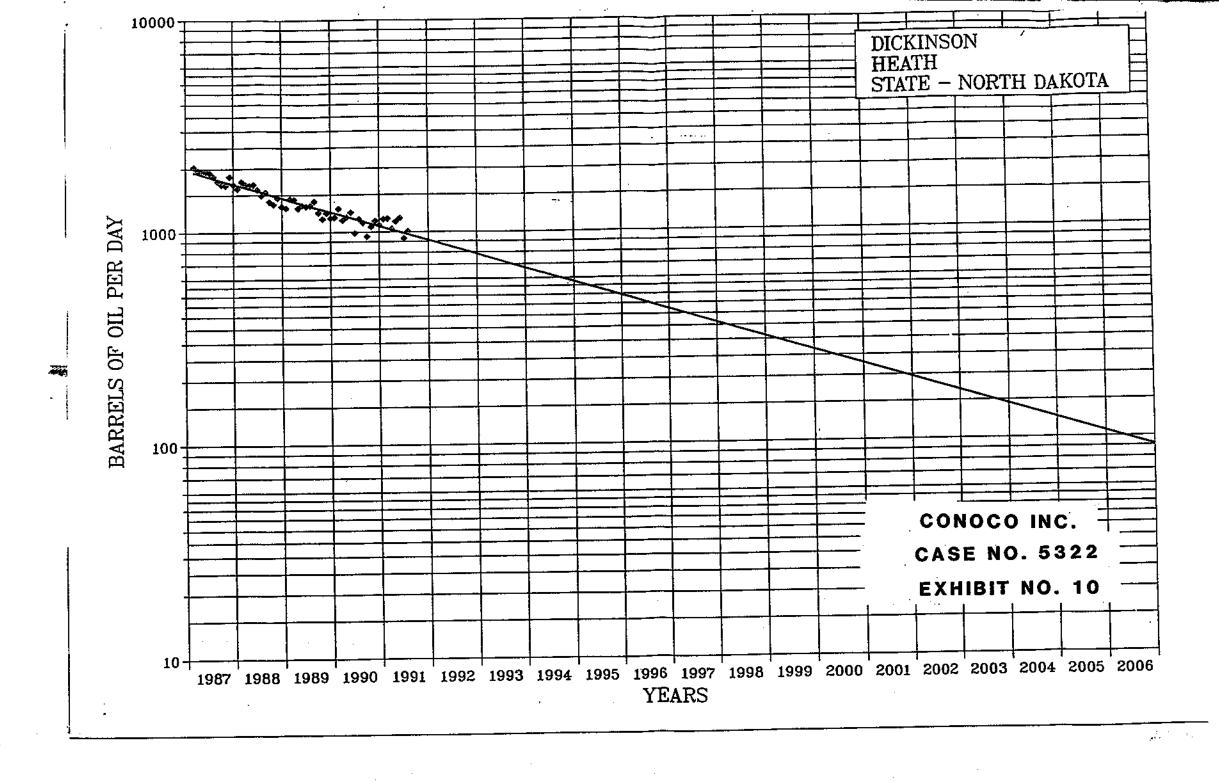
**CASE NO. 5322** 

EXHIBIT NO. 7

<sup>\$8 = 10%</sup> annual decline (exponential factor = 0.1054).







# SECONDARY RECOVERY PROJECT CERTIFICATION APPLICATION DICKINSON HEATH SAND UNIT STARK COUNTY, NORTH DAKOTA

#### COMPUTER DECLINE ANALYSIS REVIEW

- I. Assumptions: 1) The base data set was the Dickinson Heath Sand Unit monthly production from 1/87 to 6/91.
  - 2) The NDIC performed both a hyperbolic and an exponential decline analysis utilizing its in-house software package.
  - 3) Conoco performed both a hyperbolic and an exponential decline analysis utilizing a commercially available software package; The Production Analyst by OGCI Software, Inc.
  - 4) No screening of the base data set was performed prior to analysis.

#### II. Results

A. Exponential Decline Comparison

		Initial
	Annual	Production
	Decline	(7/91)
Source	<u>%</u>	BOPD
NDIC Software	14.25%	972
OGCI Software	14.4%	924
Paul Schulz	15.0%	1,014

#### Differences from NDIC Results:

Source	Production	Decline Factor
OGCI Software	4.94%	√5.26% ≤
Paul Schulz	4.14%	$\zeta_{1.05\%}^{5.26\%5}$

#### B. Hyperbolic Decline Comparison

			tial uction
	В	(7)	/91)
Source	<u>Factor</u>	B	OPD
NDIC Software	1.2612677	1,	014
OGCI Software	1.313322	1	926
Difference:	B Factor	=	4.13%
	Production	=	8.68%

CONOCO INC. CASE NO. 5322 EXHIBIT NO. 11

#### COMPUTER DECLINE ANALYSES: DICLINSON NEATH SAND UNIT

	NDIC Hyperbolic	Conoco Eyperbolic	MDIC Eponential	Conoco Computer Exponential		nce from HDIC		
Month	Analysis BOPD	Analysis BOPD	Decline* BOPD	Decline** BOPD	Conoco 1 BOPD	Hyperbolic Percent	Conoco E BOPD	xponential Percent
••••								
7/91	1,014	926	972	924	88	8.70%	48	4.97%
1/92	919	840	834	791	79	8.63%	43	5.13%
7/93	842	771	715	677	72	8.50%	38	5.30%
7/94	779	714	613	579	65	8.38%	34	5.48%
7/95	725	665	526	496	60	8.25%	30	5.63%
T/96	679	624	451	425	55	8.13%	26	5.81%
1/91	639	588	386	363	51	8.00%	23	5.96%
7/98	604	556	331	311	48	7.89%	20	6.14%
1/99	573	529	284	266	44	7.77%	18	6.31%
7/2000	545	504	244	228	42	7.65%	16	8.45%
7/01	521	482	209	195	39	7.53%	14	8.65%
7/02	498	461	179	167	37	7.41%	12	5.76%
7/03	478	443	154	143	35	7.31%	11	6.96%
7/04	460	426	132	122	33	7.21%	9	7.13%
7/05	443	411	113	105	31	7.11%	8	7,28%
7/06	427	397	97	90	30	7.02%	7	7.46%

CONOCO INC. **CASE NO. 5322** EXHIBIT NO. 12

<sup># = 14.25%</sup> annual decline (exponential factor = 0.1537).
## = 14.4% annual decline (exponential factor = 0.1555).

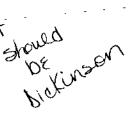
6322

#### **BEFORE THE INDUSTRIAL COMMISSION**

#### OF THE STATE OF NORTH DAKOTA

CASE NO.

IN THE MATTER OF THE APPLICATION OF CONOCO INC. FOR AN ORDER OF THE COMMISSION CERTIFYING THE ZENITH HEATH SAND UNIT LOCATED IN STARIK COUNTY, NORTH **DAKOTA** "OUALIFYING SECONDARY RECOVERY PROJECT" FOR THE **PURPOSE** ACOUIRING THE TAX REDUCTIONS PROVIDED BY N.D.C.C. CHAPTER 57-51.1 AND SUCH OTHER AND FURTHER RELIEF THE COMMISSION MAY APPROPRIATE.





#### APPLICATION OF CONOCO INC.

COMES NOW the applicant, Conoco Inc., and respectfully states as follows:

1.

That Conoco Inc. is currently the operator of the Dickinson Heath Unit located in Stark County, North Dakota.

2.

That the Dickinson Heath Sand Unit was created by the North Dakota Industrial Commission ("Commission") by virtue of Order No. 1186 entered in Case No. 1095 dated November 30, 1972.

3.

That pursuant to Commission Order No. 1202 entered in Case No. 1121 dated March 13, 1973, the Dickinson Heath Sand Unit became effective at 7:00 a.m. on March 15, 1973.

4.

That it is the opinion of Conoco Inc. that the Dickinson Heath Sand Unit meets the definition of a "Qualifying Secondary Recovery Project" and the oil produced therefrom is entitled to an exemption of the oil extraction tax pursuant to N.D.C.C. § 57-51.1-03-5(a).

5.

That it is the opinion of Conoco Inc. that the Dickinson Heath Sand Unit meets the definition of a "Qualifying Secondary Recovery Project" and the oil produced therefrom is entitled to a reduction of the oil extraction tax as provided by N.D.C.C. § 57-51.1-02.

6.

That pursuant to N.D.C.C. §§ 57-51.1-02 and 57-51.1-03-5(a), the Commission should enter its order certifying the Dickinson Heath Sand Unit as a "Qualified Secondary Recovery Project" for the purpose of the tax reductions provided by N.D.C.C. Chp. 57-51.1.

WHEREFORE, applicant requests that this matter be set for hearing at the regular August 28, 1991 meeting of the Commission and that thereafter the Commission entered its order granting the relief requested and such other and further relief as the Commission may deems appropriate.

DATED this **2/14** day of July, 1991.

PEARCE & DURICK

y\_**T.** 1/1/10

LAWRENCE BENDER

Attorneys for Applicant

Conoco Inc.

314 East Thayer Avenue

Post Office Box 400

Bismarck, North Dakota 58502

STATE OF NORTH DAKOTA ) ss.

COUNTY OF BURLEIGH

LAWRENCE BENDER, being first duly sworn on oath, deposes and says that he is the attorney for the applicant named herein, that he has read the foregoing application, knows the contents thereof, and that the same is true to the best of this affiant's knowledge, and belief.

LAWRENCE BENDER

Subscribed and sworn to before me this 3/54 day of July, 1991.

nette Entzi, Notary Public

Burleigh County, North Dakota

My Commission Expires: 6-26-93

#### PEARCE & DURICK

ATTORNEYS AT LAW

THIRD FLOOR

314 EAST THAYER AVENUE

P. O. BOX 400

BISMARCK, NORTH DAKOTA 58502

TELEPHONE (701) 223-2890

FAX (701) 223-7865

OF COUNSEL HARRY J. PEARCE

July 22, 1991

#### HAND DELIVERED

WILLIAM R. PEARCE 1910-1978 WILLIAM R. PEARCE

PATRICK W. DURICK

B. TIMOTHY DURICK CHRISTINE A. HOGAN

JOEL W. GILBERTSON LAWRENCE A. DOPSON GARY R. THUNE DAVID E. REICH JEROME C. KETTLESON LARRY L. BOSCHEE LAWRENCE BENDER

JANET D. SEAWORTH

Ms. Karlene Fine Secretary North Dakota Industrial Commission Governor's Office Capitol Building Bismarck, North Dakota 58505

RE: APPLICATION OF CONOCO INC.

DICKINSON HEATH SAND UNIT STARK COUNTY, NORTH DAKOTA

Dear Ms. Fine:

Please find enclosed herewith for filing, an APPLICATION FOR CONOCO INC. as described above.

Thank you for your attention to this matter.

Sincerely,

PEARCE & DURICK

Lawrence Bender

LB/le

**Enclosures** 

cc:

Mr. Wesley D. Norton - (w/enc.)

Mr. F.E. (Jack) Wilborn - (w/enc.)

Mr. Charles Carvell - (w/enc.)

Mr. Paul Schulz - (w/enc.)

# **DICKINSON HEATH SAND UNIT**

# RECOMMENDATION FOR COMMISSION FINDINGS & ORDER

### I. COMMISSION FINDINGS:

- That Conoco Inc. is currently the operator of the Dickinson Heath Sand Unit located in Stark County, North Dakota.
- That the Dickinson Heath Sand Unit was created by the Commission by virtue of Order No. 1186 entered in Case No. 1095 dated November 30, 1972.
- That pursuant to Commission Order No. 1202 entered in Case No. 1121 dated March 13, 1973, the Dickinson Heath Sand Unit became effective at 7:00 a.m. on March 15, 1973.
- 4. That the Dickinson Heath Sand Unit is a project employing water flooding.
- 5. That the Dickinson Heath Sand Unit is a secondary recovery project which was in existence prior to July 1, 1991.
- 6. That the operator of the Dickinson Heath Sand Unit plans to implement a "new secondary recovery project" by modifying its current injection program.

- 7. That the operator requests that the Commission certify, pursuant to subsection (5) of Section 57-51.1-03 of the North Dakota Century Code, the Dickinson Heath Sand Unit as a "qualifying secondary recovery project".
- 8. That the operator requests that the Commission establish, pursuant to either subpart (2) or subpart (3) of subdivision (c) of subsection 5 of Section 57-51.1-03 of the North Dakota Century Code, a decline curve for the Dickinson Heath Sand Unit.
- 9. That the operator requests that the Commission specifically establish that all oil produced above the level established by the Commission as the decline rate for the Dickinson Heath Sand Unit be classified as "incremental oil".
- 10. That the operator requests that pursuant to subdivision (a) of subsection (5) of Section 57-51.1-03 of the North Dakota Century Code all "incremental oil" produced from the Dickinson Heath Sand Unit for a period of five years from the date "incremental oil" is first produced be exempt from the oil extraction tax imposed by Chapter 57-51.1 of the North Dakota Century Code.
- 11. That the operator requests that the Commission specifically establish that in the event the total oil produced from the Dickinson Heath Sand Unit shall achieve, for six consecutive months, an average production level of at least

25% above the

decline rate for the Dickinson Heath Sand Unit, the operator of said unit shall be eligible for the tax reduction for the life of the project as provided by Section 57-51.1-02 of the North Dakota Century Code.

- 12. That the Dickinson Heath Sand Unit meets the definition of a "qualifying secondary recovery project" and the "incremental oil" produced therefrom is entitled to an exemption of the oil extraction tax pursuant to Section 57-51.1-03-5(a) of the North Dakota Century Code.
- 13. That pursuant to Section 57-51.1-03-5(a) of the North Dakota Century Code, the Commission should enter its order certifying the Dickinson Heath Sand Unit as a "qualifying secondary recovery project" for the purpose of the tax exemptions provided by Chapter 57-51.1 of the North Dakota Century Code.

## II. COMMISSION ORDER

# IT IS THEREFORE ORDERED:

1. That the Dickinson Heath Sand Unit, Stark County, North Dakota, is hereby certified as a qualifying secondary recovery project pursuant to Section 57-51.1-03-5(a) of the North Dakota Century Code and the "incremental oil" produced therefrom is entitled to an exception of the oil extraction tax for a period of five years from the date "incremental oil" is first produced.

2. That in the event the total oil produced from the Dickinson Heath Sand Unit shall achieve, for six consecutive months, an average production level of at least twenty-five percent above the level established by the Commission as the decline rate for the Dickinson Heath Sand Unit, the operator of said unit shall be eligible for a tax reduction for the life of the project as provided by Section 57-51.1-02 of the North Dakota Century Code.

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 August
28, 1991, Pioneer Room, State Capitol, 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:

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. 5322: ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER CERTIFYING THE DICKINSON-HEATH SAND UNIT LOCATED IN STARK COUNTY, NORTH DAKOTA, AS A "QUALIFYING SECONDARY RECOVERY PROJECT" FOR THE PURPOSE OF ACQUIRING THE TAX REDUCTIONS PROVIDED BY NORTH DAKOTA CENTURY CODE CHAPTER 87-51.1 AND SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION MAY DEEM APPROPRIATE. CASE NO. 5323: ON A MOTION OF THE COMMISSION MAY DEEM APPROPRIATE. CASE NO. 5323: ON A MOTION OF THE COMMISSION THE ZENITH-HEATH UNIT LOCATED IN STARK COUNTY, NORTH DAKOTA, AS A "QUALIFYING SECONDARY RECOVERY PROJECT" FOR THE PURPOSE OF ACQUIRING THE TAX DEDUCTIONS PROVIDED BY NORTH DAKOTA CENTURY CODE CHAPTER 57-51.1 AND SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION MAY DEEM APPROPRIATE. Signed by, George & Sinner, Governor STATE OF NORTH DAKOTA TO: ON MAY DEEM APPLIED AND APPLIED AND APPLIED AND APPLIED AND APPLIED APPLIED AND APPLIED APPLIED APPLIED AND APPLIED APPLIED AND APPLIED APPLIE

CERTIFICATE OF PUBLICATION 910 112

THE DICKINSON PRESS Dickinson, North Dakota

STATE OF NORTH DAKOTA,

County of Stark.

Belle L.	Krank	, of said state	and county, bei	ng first duly
Dickinson Pres	s, Inc., pub general circu	lisher of <b>THE D</b>	hookkeeper ICKINSON PRE and published at during the time	SS, a daily Dickinson
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every number_	conse	cutive weeks, co	ommencing on th	ne7
day of Aug	ust	A.D. 19 <u>91</u> ,	and ending on th	ne7
day of Aug	ust		, both inclusive.	each
Sworn to and:		o before me this	7 <i>th</i>	day of

reductions PAIL

MARILYN WANNER Notary Public, STARK COUNTY, N.DAK.

My Commission Expires APRIL 28, 1994

AUG 1991 RECEIVED

ND OIL & GAS

DIVISION

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 Commission promulgated thereunder of the following public hearing to be held at 9:00 a.m. on August 28, 1991, Pioneer Room, State Capitol, 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. 3202. ON A MOTION OF THE COMMISSION TO CONSIDER THE TEMPORARY SPACING FOR THE DEVELOPMENT OF AN OIL AND/OR GAS POOL DISCOVERED BY.

ND IN

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BILLTO

DATES

24

C3222. ON A MOTION OF THE COMMISSION TO CONSIDER THE TEMPORARY SPACING FOR THE DEVELOPMENT OF AN OIL AND/OR GAS POOL DISCOVERED BY THE NEW HORIZON EXPLORATION, INC. 19-7 GARVEN WELL, LOCATED IN THE SW NW OF SECTION 7, T.163M, R.85W., RENVILLE COUNTY, NORTH DAKOTA, DEFINE THE LIMITS OF THE FIELD AND ENACT SUCH SPECIAL FIELD AND SIGN TO CONSIDER THE APPLICATION OF AMERADA HESS CORPORATION FOR AN ORDER EXTENDING THE OUTLINE OF THE CHARLSON FIELD SO AS TO INCLUDE THE NW/4 OF SECTION 27, T.154M., R.95W., MCKENZIE AND WILLIAMS COUNTIES, NORTH DAKOTA, DESIGNATING A ZONE OF 320-ACRE SPACING WITHIN THE CHARLSON-MADISON POOL CONSISTING OF THE W/2 OF SAID SECTION 27, AND ALLOWING A HORIZONTAL WELL TO BE DRILLED AND COMPLETED AT ANY LOCATION THEREON NOT CLOSER THAN 660 FEET TO THE BOUNDARY OF SAID W/2 OF SECTION 27; AND ALLOWING ADDITION AL 320-ACRE SPACING UNITS TO BE ESTABLISHED WITHIN THE CHARLSON-MADISON POOL BY ORDER OF THE DIRECTOR OF THE OIL AND GAS DIVISION OF THE COMMISSION DEEMS APPROPRIATE CASE NO 5322; ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN "QUALIFYING SECONDARY RECOVERY PROJECT" FOR THE PURPOSE OF ACQUIRING THE TAX REDUCTIONS PROVIDED BY NORTH DAKOTA CENTURY CODE CHAPTER 57-51.1 AND SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION MAY DEEM APPROPRIATE. CASE NO. 5323; ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ONDER CERTIFYING THE DICKINSON HEATH WALL FINING THE PURPOSE OF ACQUIRING THE TAX REDUCTIONS PROVIDED BY NORTH DAKOTA CENTURY CODE CHAPTER 57-51.1 AND SUCH OTHE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER CERTIFYING THE ZENITH HEATH UNIT LOCATED IN STARK COUNTY, NORTH DAKOTA CENTURY PROJECT" FOR THE PURPOSE OF ACQUIRING THE TAX REDUCTIONS PROVIDED BY

HIDBISMA

TY, NORTH DAKOTA, AS A
"QUALIFYING SECONDARY RECOVERY
PROJECT" FOR THE PURPOSE OF ACQUIRING THE TAX REDUCTIONS PROVIDED BY NORTH DAKOTA CENTURY
CODE CHAPTER 57-51.1 AND SUCH OTHER AND FURTHER RELIEF AS THE
COMMISSION MAY DEEM APPROPRIATE. CASE NO. 5324: ON A MOTION OF
THE COMMISSION TO CONSIDER THE
APPLICATION OF CONOCO INC. FOR AN
ORDER ALLOWING THE PRODUCTION
FROM THE INDIAN HILL RED RIVER
AND STONEWALL POOLS TO BE COMMINGLED IN THE WELLBORE OF THE
NELSON 4 #2 WELL, LOCATED IN THE
SWIA SEIA OF SECTION 1, T.152N, R. 102W.,
MCKENZIE COUNTY, NORTH DAKOTA,
AND SUCH FURTHER AND ADDITIONAL
RELIEF AS THE COMMISSION DEEMS
APPROPRIATE. CASE NO. 5325: ON A MOTION OF THE COMMISSION TO CONSIDFOR AN ORDER GRANTING AN EXCEPTION TO THE DEFINITION OF
FOR AN ORDER GRANTING AN EXCEPTION TO THE DEFINITION OF
FORTH IN SUBSCITION 2 OF SECTION
43-02-09-01 OF THE NORTH DAKOTA ADMINISTRATIVE CODE FOR ITS KIIHN #18
WELL LOCATED IN THE NWIA OF THE
SEIA OF SECTION 20, T.152N, R. 101W.,
CAMP FIELD, MCKENZIE COUNTY,
NORTH DAKOTA, OR SUCH FURTHER
AND ADDITIONAL RELIEF AS THE COMMISSION SHALL DEEM APPROPRIATE.
Signed by,
George A. Sinner, Governor

Signed by, George A. Sinner, Governor Chairman. ND Industrial Commission 8/9 —46237

BOX 1498 • 707 EAST FRONT AVENUE, BISMARCK, N.D. 58502-1498 \*\* CR 00

LLING PERIOD VENDOR NUMBER D = Distribution I = Inches 24415-9 L = Lines REFERENCE PROD. CLASS TOTAL NUMBER CODE CODE TIMES AD SIZE UNIŢS 0244159 AFFIDAVIT OF PUBLICATION STATE OF NORTH DAKOTA SS NE MS. IN NOTARY PUBLIC FOR THE STATE OF NORTH DAKOTA, P. County of Hurleigh DULY SWORE DEPOSES AND SAYS THAT! OF PUBLICATIVES NOT THIS Oin and for the State of North Dakqta, Residing at Lismard

PAYMENT TERMS

Due 10th of month following charges

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BILL-TO NUMBER

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INVOICE NO.

BOX 1498 • 707 EAST FRONT AVENUE.

BISMARCK, N.D. 58502-1498

#### NOTICE OF PUBLICATION JATH DAKOTA INDUSTRIAL COMMIS-SION

BISMARCK, NORTH DAKOTA
The State of North Dakota by its Industrial The State of North Dakota by its industrial Commission hereby gives notice pursuant to law and the rules and regulation of said Commission promulgated thereunder of the following public hearing to be held at 9:00 a.m. on September 25, 1991, Ploneer Room State Capitol, Bismarck, North Dakota. For the purpose of this hearing, the Commission, any member thereof acting as Examinar, or an Examinar appointed by the Examiner, or an Examiner appointed by the Commission will receive testimony and exhibits.

STATE OF NORTH DAKOTA TO:

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. 5334; ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF JN EXPLORATION & PRODUCTION LIMITED PARTNERSHIP ("JN") FOR AN ORDER DETERMINING THAT THE PLAN OF UNITIZATION FOR THE ZENITH-BELL HEATH UNIT, STARK COUNTY, NORTH DAKOTA, HAS BEEN SIGNED, RATIFIED OR APPROVED BY LESSEES AND ROYALTY OWNERS OWNING THAT PERCENT OF THE WORKING INTEREST AND OF THE ROYALTY INTEREST WITHIN SAID UNIT AS REQUIRED BY LAW. CASE NO. 5338: ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER CERTIFYING THE ZENITH-NEWTON HEATH UNIT LOCATED IN STARK COUNTY, NORTH DAKOTA AS A "QUALIFY." NEWTON HEATH UNIT LOCATED IN STARK COUNTY, NORTH DAKOTA AS A "QUALIFY. ING SECONDARY RECOVERY PROJECT FOR THE PURPOSE OF ACQUIRING THE TAX REDUCTIONS PROVIDED BY THE NORTH DAKOTA CENTURY CODE CHAPTER 57-51.1 AND SUCH OTHER AND FURTHER APPROPRIATE. CASE NO. 5322: (CONTINUED) ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF SION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER CERTIFYING THE DICKINSON-HEATH SAND UNIT LOCATED IN STARK COUNTY, NORTH DAKOTA, AS A "QUALIFYING SECONDARY RECOVERY PROJECT" FOR THE PURPOSE OF ACQUIRING THE TAX REDUCTIONS PROVIDED BY NORTH DAKOTA CENTURY COOPE CHAPTER 57-51 1 AND SILEN OTHER CODE CHAPTER 57-51.1 AND SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION MAY DEEM APPROPRIATE. CASE NO. 5323: (CONTINUED) ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION. TION OF CONOCO INC. FOR AN ORDER CERTIFYING THE ZENITH-HEATH UNIT LOCATED IN STARK COUNTY, NORTH DAKOTA, AS A "QUALIFYING SECONDARY RECOVERY PROJECT FOR THE PURPOSE OF ACQUIRING THE TAX REDUCTIONS PROVIDED BY NORTH DAKOTA CENTURY CODE CHAPTER 57-51.1 AND SUCH OTHER AND FURTHER RELIEF A THE COMMISSION MAY DEEM APPROPRIATE. Signed by, George A. Sinner, Governor Chairman, ND Industrial Commission (Published September 6, 1991)

# CERTIFICATE OF PUBLICATION

THE DICKINSON PRESS Dickinson, North Dakota

STATE OF NORTH DAKOTA,

County of Stark.
Belle L. Krank , of said state and county being first duly
sworn, on oath says: That she is the hookkeener 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
LegalNotice Of Publication Case No. 5334
\$33.60
a printed copy of which is hereunto annexed, was printed and published in <b>The Dickinson Press</b> , and in the regular and entire issue of each and
every number1consecutive weeks, commencing on the6
day of <u>September</u> A.D. 19 <sup>01</sup> , and ending on the 6
day of <u>September</u> A.D., 19, 91, both inclusive.
Sworn to and subscribed to before me this 6th day of
September A.D. 1991. Naulyn Manner
MARII VA WANNED

MILTH WANNER Notary Public, STARK COUNTY, N.DAK. My Commission Expires APRIL 28, 1994

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 September 25, 1991, Pioneer Room,
State Capitol, 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.

Will receive testimony and exhibits.

STATE DF 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. 5331: ON A MOTION OF THE COMMISSION TO CONSIDER THE TEMPORARY SPACING FOR THE DEVELOPMENT OF AN OIL AND/OR GAS POOL DISCOVERED BY THE MAXUS EXPLORATION COMPANY #11-5 BEAVER CREEK FEE WELL, LOCATED IN THE NW NW OF SECTION 5. T.142N. R102W. BILLINGS COUNTY, NORTH DAKOTA, DEFINE THE LIMITS OF THE FIELD, AND ENACT SUCH SPECIAL FIELD RULES AS MAY BE NECES. SARY. CASE NO. 5332: ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF MILLER OIL CO. FOR AN ORDER EXEMPTING IT FROM THE OBLIGATION TO PAY TAXES AND ROY. ALTY ON GAS FLARED FROM SOME OF ITS WELLS IN THE MOUSE RIVER PARK FIELD, RENVILLE COUNTY, NORTH DAKOTA. AS PROVIDED IN SECTION 38-08-06-4 OF THE COMMISSION TO CONSIDER THE APPLICATION OF MILLER PETROLEUM, INC. FOR AN ORDER EXEMPTING IT FROM THE OBMISSION TO CONSIDER THE APPLICATION OF MILLER PETROLEUM, INC. FOR AN ORDER EXEMPTING IT FROM THE OBMISSION TO CONSIDER THE APPLICATION OF MILLER PETROLEUM, INC. FOR AN ORDER EXEMPTING IT FROM THE OBLIGATION TO PAY TAXES AND ROYALTY ON GAS FLARED FROM SOME OF ITS WELLS IN THE MOUSE RIVER PARK FIELD, RENVILLE COUNTY, NORTH DAKOTA, AS PROVIDED IN SECTION 38-08-06-4 OF THE NORTH DAKOTA THE APPLICATION OF JIN SECTION OF JIN SECTION SECT CEPTION TO THE APPLICABLE SPACING ORDERS. CASE NO. 5337: ON A MOTION OF THE COMMMISSION TO CONSIDER THE APPLICATION OF CHEVRON U.S.A. INC. FOR AN ORDER PERMITTING THE ZABOLINY OBSERVATION \*\*2 WELL, WITH A BOTTOMHOLE LOCATION IN THE MADISON FORMATION APPROXIMATELY 2264 FEET FROM THE WEST LINE AND 2000 FEET FROM THE NORTH LINE OF SECTION 3, T.1144N., R.98W., BILLINGS COUNTY, NORTH DAKOTA, TO BE COMPLETED IN AND PRODUCED FROM THE LITTLE KNIFE-MADISON POOL AS AN EXCEPTION TO THE APPLICABLE FIELD RULES. CASE NO. 5338: ON CEPTION TO THE APPLICABLE SPACING

CASE NO. 5339: ON A MOTION OF THE COMMISSION TO CONSIDER THE COMMISSION OF CONOCO INC.
FOR AN ORDER REDEFINGING AND EXTENDING THE FIELD BOUNDARIES OF TENDING THE FIELD BOUNDARIES OF THE FLAT TOP BUTTE-BAKKEN POOL TO INCLUDE SECTIONS 30 AND 31, T.146N., R.101W., MCKENZIE COUNTY, NORTH DAKOTA; AND SUCH OTHER AND ADDITIONAL LANDS AS THE COMMISSION DEEMS APPROPRIATE; AND/OR SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION DEEMS APPROPRIATE. CASE NO. 5340: ON A MOTION OF COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER REDEFINING AND EXTENDING THE FIELD BOUNDARIES. OF THE MORGAN DRAW-BAKKEN POOL AND/OR THE ELKHORN RANCH-BAKKEN POOL TO INCLUDE SECTIONS 2 AND 12. AND/OR THE ELKHORN RANCH-BAKKEN POOL TO INCLUDE SECTIONS 2 AND 12. T.143N., R. 103W., GOLDEN VALLEY COUNTY, NORTH DAKOTA AND SUCH OTHER AND ADDITIONAL LANDS AS THE COMMISSION DEEMS APPROPRIATE; AND/OR SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION TO CONSIDER THE APPLICATION OF CONCOINC. 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 24, T.144N., R.103W., GOLDEN VALLEY COUNTY, NORTH DAKOTA, AUTHORIZING THE DRILLING OF ONE HORIZON TAL WELL THEREIN, WITHOUT THE NECESSITY OF VOLUNTARY POOLING, AND/OR SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION DEEMS APPROPRIATE. CASE NO. 5342; ON A MOTION OF THE COMMISSION OF THE COMMISSION ORDER OF THE COMMISSION ORDER NO. 5973 DESIGNATING SECTION 26, WITHOUT THE NECESSITY OF VOLUNTARY POOLING, AMENDING AND MODIFYING COMMISSION ORDER NO. 5973 DESIGNATING SECTION 26, WITHOUT THE NECESSITY OF VOLUNTARY POOLING, SION ORDER NO. 5973 DESIGNATING SECTION 26, WITHOUT THE NECESSITY OF VOLUNTARY POOLING, AND/OR SECTION 26, WITHOUT THE NECESSITY OF VOLUNTARY POOLING, AND/OR SECTION 26, WITHOUT THE NECESSITY OF VOLUNTARY POOLING, AND/OR SECTION 26, WITHOUT THE NECESSITY OF VOLUNTARY POOLING, AND/OR SECTION 26, WITHOUT THE NECESSITY OF VOLUNTARY POOLING, AND/OR SECTION 26, WITHOUT THE NECESSITY OF VOLUNTARY POOLING, AND/OR SECTION 26, WITHOUT THE NECESSITY OF VOLUNTARY POOLING, AND/OR SECTION 26, WITHOUT THE NECESSITY OF VOLUNTARY POOLING, AND/OR SECTION 26, WITHOUT THE NECESSITY OF VOLUNTARY POOLING, AND/OR SECTION 36 AND AND TO THE COMMISSION TO CONSIDER THE APPLICATION OF CONCO INC. FOR AN ORDER CERTIFYING THE DICKINSON-DEEM APPROPRIATE CASE NO 5322-1 (CONTINUED) ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONCO INC. FOR AN ORDER CERTIFYING THE PURPOSE OF ACQUIRING THE TAX REDUCTIONS PROVIDED BY NORTH DAKOTA, AS A "QUALIFYING SECONDARY RECOVERY PROJECT" FOR THE PURPOSE OF ACQUIRING THE TAX REDUCTIONS PROVIDED BY NORTH DAKOTA, AS A "QUALIFYING SECONDARY RECOVERY CODE CHA THE MADISON FORMATION APPROXIMATELY 2264 FEET FROM THE WEST LINE AND 2000 FEET FROM THE WEST LINE AND 2000 FEET FROM THE WEST LINE OF SECTION 3, T.144N. R.98W., BILLINGS COUNTY, NORTH DAKOTA, TO BE COMPLETED IN AND PRODUCED FROM THE LITTLE KNIFE-MADISON POOL AS AN EXCEPTION TO THE APPLICABLE FIELD RULES, CASE NO. 5338· ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONC. O. INC. FOR AN ORDER CERTIFYING THE ZENITH-NEWTON HEATH UNIT LOCATED IN STARK COUNTY, NORTH DAKOCATED IN ST



# BISMARCK TRIBLING

• 707 EAST FRONT AVENUE, BISMARCK, N.D. 58502-1498

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CASE
NO. 5196: [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 CONOCO,
INC. #4 BULLY FEDERAL "A" WELL, LOCATED IN THE NE NW OF SECTION 21,
T.148N., R.100W., MCKENZIE COUNTY,
NORTH DAKOTA, DEFINE THE LIMITS
OF THE FIELD AND ENACT SUCH SPECIAL FIELD RULES AS MAY BE NECES
SARY. CASE NO. 5314: (CONTINUED) ON
A MOTION OF THE COMMISSION TO
CONSIDER THE PROPER SPACING FOR
THE DEVELOPMENT OF THE HAY
DRAW-MADISON POOL, MCKENZIE
COUNTY, NORTH DAKOTA, REDEFINE
THE LIMITS OF THE FIELD, AND ENACT
SUCH SPECIAL FIELD RULES AS MAY
BE NECESSARY (MERIDIAN OIL, INC.)
CASE NO. 5315; (CONTINUED) ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF MERIDIAN
OIL INC. FOR AN ORDER PERMITTING
THE JIPSH MOI WELL. WITH A SURFACE LOCATION IN THE NW/4 NW/4 OF
SECTION 25, T.142N., R.102W., BILLINGS
COUNTY, NORTH DAKOTA, TO PRODUCE
OIL AT AN UNRESTRICTED RATE, WITH
THE GAS PRODUCED IN ASSOCIATION
WITH SUCH OIL TO BE FLARED, UNTIL SECTION 25, T.142N., R.102W., BILLINGS
COUNTY, NORTH DAKOTA, TO PRODUCE
OIL AT AN UNRESTRICTED RATE, WITH
THE GAS PRODUCED IN ASSOCIATION
WITH SUCH OIL TO BE FLARED, UNTIL
SUCH TIME AS THE WELL MAY BE CONNECTED TO A GAS GATHERING SYSTEM, AS AN EXCEPTION TO THE APPLICABLE FIELD RULES AND FURTHER
AMENDING THE APPLICABLE ORDERS
SO AS TO ALLOW THE DIRECTOR OF
THE OIL AND GAS DIVISION OF THE
COMMISSION TO ADMINISTRATIVELY
GRANT RELIEF FROM THE PRODUCTTION RESTRICTIONS IN THE DEMORESBAKKEN POOL UPON SUCH CIRCUMSTANCES AS THE COMMISSION DEEMS
APPROPRIATE. CASE NO. 5316.
(CONTINUED) ON A MOTION OF THE
COMMISSION TO CONSIDER THE APPLICATION OF MERIDIAN OIL INC. FOR AN
ORDER AMENDING THE APPLICABLE
ORDERS FOR THE FLAT TOP BUTTEBAKKEN POOL, MCKENZIE COUNTY,
NORTH DAKOTA, SO AS TO ALLOW THE
DIRECTOR OF THE OIL AND GAS DIVISION OF THE COMMISSION TO GRANT
ADMINISTRATIVE RELIEF FROM THE
PRODUCTION RESTRICTIONS CONTAINED IN SUCH ORDERS UPON SUCH
TERMS AND CONDITIONS AS THE COMMISSION DEEMS APPROPRIATE. CASE
NO. 5329: (CONTINUED) ON A MOTION
OF THE COMMISSION TO GRANT
ADMINISTRATIVE RELIEF FROM THE
PRODUCTION RESTRICTIONS CONTAINED IN SUCH ORDERS UPON SUCH
TERMS AND CONDITIONS AS THE COMMISSION DEEMS APPROPRIATE. CASE
NO. 5329: (CONTINUED) ON A MOTION
OF THE COMMISSION TO CONSIDER THE
APPLICATION OF MERIDIAN OIL INC.
FOR AN ORDER AMENDING THE APPLICABLE FIELD RULES FOR THE ROUGH
RIDER BAKKEN POOL, MCKENZIE
COUNTY, NORTH DAKOTA, SO AS TO AUHORDER THE PROPERTOR OF THE ROUGH
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COUNTY, NORTH DAKOTA, SO AS TO AUHORDER THE PROPERTOR OF THE ROUGH
RIDER THE PROPERTOR OF THE ROUGH
RIDER THE PROPERTOR FOR AN ORDER AMENDING THE APPLICABLE FIELD RULES FOR THE ROUGH RIDER BAKKEN POOL, MCKENZIE COUNTY, NORTH DAKOTA, SO AS TO AUTHORIZE THE DIRECTOR OF THE OIL AND GAS DIVISION TO ALLOW UNRESTRICTED PRODUCTION OF OIL PRIOR TO THE CONNECTION OF ANY WELL DRILLED AND COMPLETED IN THE POOL TO A GAS GATHERING FACILITY FOR PERIODS IN EXCESS OF 30 DAYS UPON SUCH TERMS AND CONDITIONS AS THE COMMISSION DEEMS APPROPRIATE. CASE NO. 5330; (CONTINUED) ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICABLE SPACING ORDERS FOR THE PIERRE CREEK BAKKEN POOL SO AS TO EXTEND THE OUTLINE OF THE PIERRE CREEK FIELD TO INCLUDE ALL OF SECTIONS 23, 25, 26 AND 36, T.146N., R.102W., AND ALL OF SECTION 1, T.145N., R.102W., MCKENZIE COUNTY, NORTH DAKOTA, AND FURTHER TO AUTHORIZE THE DIRECTOR OF THE OIL AND GAS DIVISION TO AUTHORIZE THE DIRECTOR OF THE OIL AND GAS PROM WELLS TO AUTHORIZE UNRESTRICTED PRODUCTION OF OIL AND GAS FROM WELLS COMPLETED" IN THE PIERRE CREEKBAKKEN POOL FOR PERIODS IN EXCESS OF THE 30 DAYS OTHERWISE ALLOWED UPON SUCH TERMS AND CONDITIONS AS MAY BE SET BY THE COMMISSION SION, OR SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION DEEMS APPROPRIATE.

Signed by, George A. Sinner, Governor Chairman,

ND Industrial Commission 9/6 - 45941

# LEGAL FIRE SOLD TO NUMBER 28041-1

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BISMARCK N D 58502-1498



Put your address in the "RETURN TO" Space on the read from being returned to you. The return receipt fulfilled to and the date of delivery. For additional fee postmester for fees and check box(es) for additional services. Show to whom delivered, date, and addressee's additional services. Article-Addressed to:	ee will provide you the name of the person es the following services are available. Consult (ce(s) requested.  iress. 2.  Restricted Delivery  †(Extra charge)†
John Morrison Box 2798 Bismarck, ND	4. Article Number
. Signature — Addressee (	8. Addressee's Address (ONLY if requested and fee paid)
Signature Agent	Box 2798
. Date of Delivery / / /	400 <b> </b> 100   100
3/19/92	58502-279
S Form 3811, Mar. 1987 * U.S.G.P.O. 1987-178-26  SENDER: Complete items 1 and 2 when addition and 4.  Put your address in the "RETURN TO" Space on the	DOMESTIC RETURN RECEIPT  all services are desired, and complete items 3
SENDER: Complete items 1 and 2 when addition and 4.  Put your address in the "RETURN TO" Space on the card from being returned to you. The return receipt delivered to and the date of delivery. For additional fer bosymaster for fees and check box(es) for additional services in the delivered date, and addressee's ad 1. Show to whom delivered, date, and addressee's ad 1. [Extra charge]	DOMESTIC RETURN RECEIP  al services are desired, and complete items 3 reverse side. Failure to do this will prevent this fee will provide you the name of the person es the following services are available. Consult vice(s) requested.  dress. 2.   Restricted Delivery  † (Extra charge)†
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SENDER: Complete Items 1 and 2 when addition and 4.  Put your address in the "RETURN TO" Space on the card from being returned to you. The return receipt delivered to and the date of delivery. For additional fer posymaster for fees and check box(es) for additional send. Show to whom delivered, date, and addressee's ad 1/(Extra charge)†  3. Article Addressed to:  ANYLICE ADDRESSEE  ANYLICE A	al services are desired, and complete items 3 reverse side. Failure to do this will prevent this fee will provide you the name of the person es the following services are available. Consult vice(s) requested.  dress. 2. Restricted Delivery  1 (Extra charge)  4 Article Number  Type of Service: Registered Insured Certified COD Express Mail  Always obtain signature of addressee or agent and DATE DELIVERED.  8. Addressee's Address (ONLY if

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 May 27, 1992, Brynhild Haugland Room,
State Capitol, 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

STATE OF NORTH DAKOTA TO:

All named parties and persons having any right, title, interest, or daim in the following cases and notices to the public. CASE NO.

5551: ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF MARATHON OIL COMPANY FOR AN ORDER PERMITTING THE FLARING OF GAS PRODUCED FROM CERTAIN WELLS IN THE GREEN RIVER-HEATH POOL, STARK COUNTY, NORTH DAKOTA, AS AN EXEMPTION TO THE REQUIREMENTS OF SECTION 38-08-06-4 OF THE NORTH DAKOTA CENTURY CODE. CASE NO. 5322: (CONTINUED) ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONCOC INC. FOR AN ORDER CERTIFYING THE DICKINSON-HEATH SAND COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER CERTIFYING THE DICKINSON-HEATH SAND UNIT LOCATED IN STARK COUNTY, NORTH DAKOTA, AS A "QUALIFYING SECONDARY RECOVERY PROJECT" FOR THE PURPOSE OF ACQUIRING THE TAX REDUCTIONS PROVIDED BY NORTH DAKOTA CENTURY CODE CHAPTER 57-51.1 AND SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION MAY DEEM APPROPRIATE CASE NO. 5338. (CONTINUED) ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER CERTIFYING THE ZENITH-NEWTON HEATH UNIT LOCATED IN STARK COUNTY, NORTH DAKOTA AS A "QUALIFYING SECONDARY RECOVERY PROJECT" FOR THE PURPOSE OF ACQUIRING THE TAX REDUCTIONS PROVIDED BY THE NORTH DAKOTA CENTURY CODE CHAPTER 57-51.1 AND SUCH OTHER AND FURTHER RELIEF AS THE COMMISSION MAY DEEM APPROPRIATE. CASE NO. 5580: ON A MOTION OF THE ATE. CASE NO. 5560: ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF WEST HAZMAT CONTRACTING,

INC. FOR AN ORDER AUTHORIZING THE OPERATION OF A PORTABLE TREATMENT PLANT TO TREAT OIL AND GAS EXPLORATION AND PRODUCTION WASTES ON LEASES IN NORTH DAKOTA.

Signed by, George A. Sinner, Governor Chairman, ND Industrial Commission (Published May 6, 1992)

# CERTIFICATE OF PUBLICATIO THE DICKINSON PRESS

Dickinson, North Dakota

STATE OF NORTH DAKOTA,

County of Stark.

Refle L. Krank , of said state and county, being first duly hookkeeper sworn, on oath says: That & he is 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. 5551 534 32 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\_6 A.D. 19 $\frac{9?}{}$ , and ending on the\_ May day of\_ A.D., 19.97, both inclusive. May day of\_\_\_ Sworn to and subscribed to before me this day of A.D. 19

> MARILTH WANNER Notary Public, STARK COUNTY, N.DAK. My Commission Expires APRIL 28, 1994

NOTICE OF PUBLICATION
NORTH DAKOTA
INDUSTRIAL COMMISSION
BIAMARCK, NORTH DAKOTA
The SIAMARCK, 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 May 27, 1992, Bryshild Haugland
Room, State Capitol, Bismarck, North Dakot
E. For the purpose of this hearing, the Cammission, any member thereof acting as
Examiner, or an Examiner appointed by the
Commission will receive testimany, and
STATE DE NORTH DAKOTA TO.

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THE BISMARCK TRIBUNE

BILLING DATE 05/12/9 AMOUNT CASE NO 558: ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF MERIDIAN OIL INC. FOR AN OFFICE AND THE SOUTH LINE AND SO FEET FROM THE POUR TO PRODUCE FROM THE PURK TO THE FOUR CASE NO 558? ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF MERIDIAN OIL INC. FOR AN ORDER AMENDING THE FIELD RULES FOR THE PIERRE CREEK BAKKEN POOL SO AS TO CREATE AND ESTABLISH A 400 ACRE SPACING UNIT. TORSISTING OF ALL OF ACCIONAL OF THE FOUR SOUTH LINE AND SOU 444.5 BRALY 242.50

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AMOUNT PAID