BEFORE THE INDUSTRIAL COMMISSION

OF THE STATE OF NORTH DAKOTA

CASE NO. 2945 ORDER NO. 3329

IN THE MATTER OF A HEARING CALLED ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF ENSTAR PETROLEUM, INC. FOR AN ORDER PERMITTING A SECOND WELL TO BE DRILLED ON A 320-ACRE SPACING UNIT IN THE DICKINSON FIELD DESCRIBED AS THE S/2 OF SECTION 13, T.140N., R.96W., STARK COUNTY, NORTH DAKOTA.

ORDER OF THE COMMISSION

BY THE COMMISSION:

Pursuant to legal notice this cause came on for hearing at 9:00 a.m. on the 27 day of September, 1983, in Bismarck, North Dakota, before an examiner appointed by the Industrial Commission of North Dakota, hereinafter referred to as the "Commission."

NOW, on this 18th day of October, 1983, 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 applicant is the owner of an oil and gas leasehold estate in the S/2 of Section 13, T.140N., R.96W., Stark County, North Dakota.
- (3) That said tract of land is within the boundaries of the Dickinson Field and forms a spacing unit in the Heath Pool.
- (4) That there is only one producing well in said tract and is located in the SW SW of said Section 13.
- (5) That evidence presented to the Commission indicates that in the S/2 of said Section 13, two wells are necessary to efficiently and effectively drain all the economically recoverable oil from the reservoir.
- (6) That such evidence further indicates that a well drilled in the SE SE of said Section 13 would be economically feasible and would recover oil that might not otherwise be recovered.
- (7) That in order to prevent waste and to protect correlative rights, this application should be granted.

IT IS THEREFORE ORDERED:

(1) That two wells in the Dickinson-Heath Pool in the $\rm S/2$ of Section 13, T.140N., R.96W., Stark County, North Dakota, are hereby authorized, and the second well shall be located not less than 660 feet from the boundary of the spacing unit, nor closer than 1980 feet to another well permitted to or producing from the pool.

(2) That this order shall remain in full force and effect until further order of the Commission.

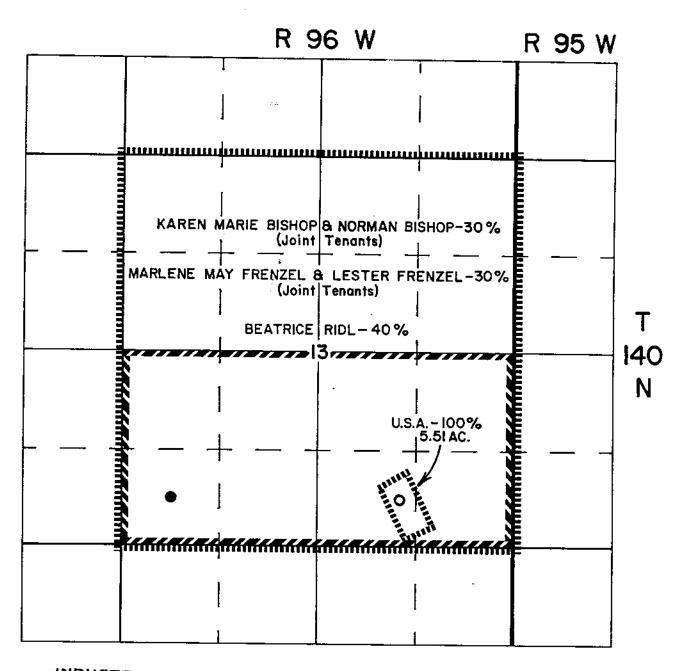
Dated this 18th day of October, 1983.

INDUSTRIAL COMMISSION STATE OF NORTH DAKOTA

/s/ Allen I. Olson _ Allen I. Olson, Governor

Robert O. Wefald, Attorney General

/s/ Kent Jones _ Kent Jones, Commissioner of Agriculture



STATE OF NO	COMMISSION
9.35 02	RIH DAKOTA
Date 1521-05	Cose No. 2945
Introduced by Eris	ter
Buchibis A	
Wantilled by Carl	50-

LEASE LINE ******

SPACING UNIT FOR BEATRICE RIDL 13-13 WELL

- 0 PROPOSED LOCATION
- BEATRICE RIDL 13-13 WELL



Coming

ENSTAR Petroleum Inc.

1128 SEVENTEENTH STREET, SUITE 2040 DENVER, COLORADO 80202

EAST DICKINSON PROSPECT STARK CO., N.D.

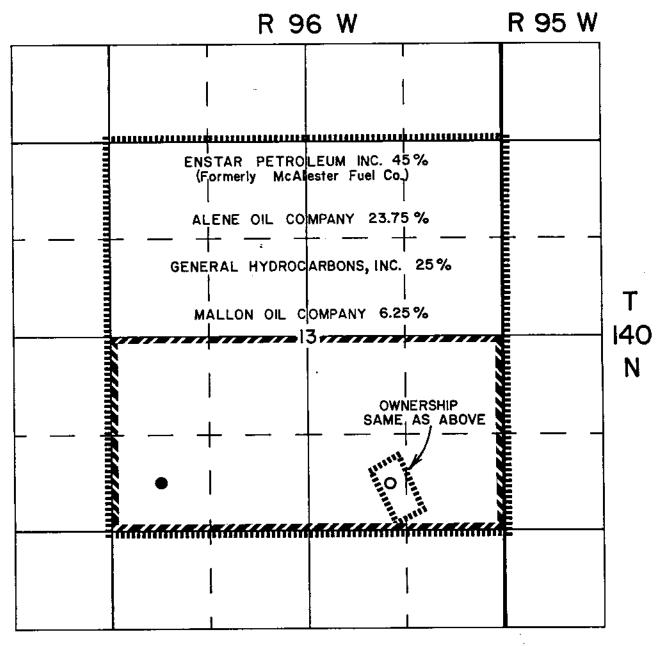
EXHIBIT "A"

MINERAL OWNERSHIP

CASE NO. .

Lond R.C. 9/83

Geophy. Gross Ac. Not Ac. Lease Record Check Scole 41 = | Mi. File No. Prospect ID Prospect No.



INDUSTRIAL COMMISSION STATE OF NORTH DAKOTA

Date 9-27-83 Case No. 2945 introduced by Enster
Exhibit . B.
Identified by Carlson

HIRE LEASE LINE

SPACING UNIT FOR BEATRICE RIDL 13-13 WELL

- O PROPOSED LOCATION
- BEATRICE RIDL 13-13 WELL



ENSTAR Petroleum Inc.

1125 SEVENTEENTH STREET, SUITE 2040 DENVEN, COLORADO 80202

ROCKY MOUNTAIN REGION

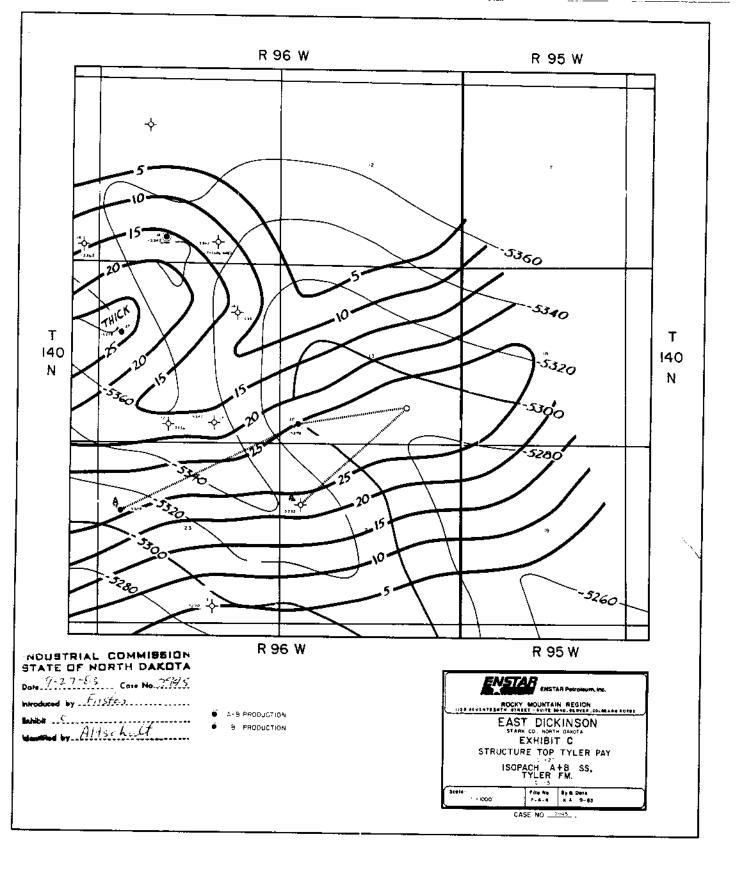
EAST DICKINSON PROSPECT STARK CO., N.D.

EXHIBIT "B"

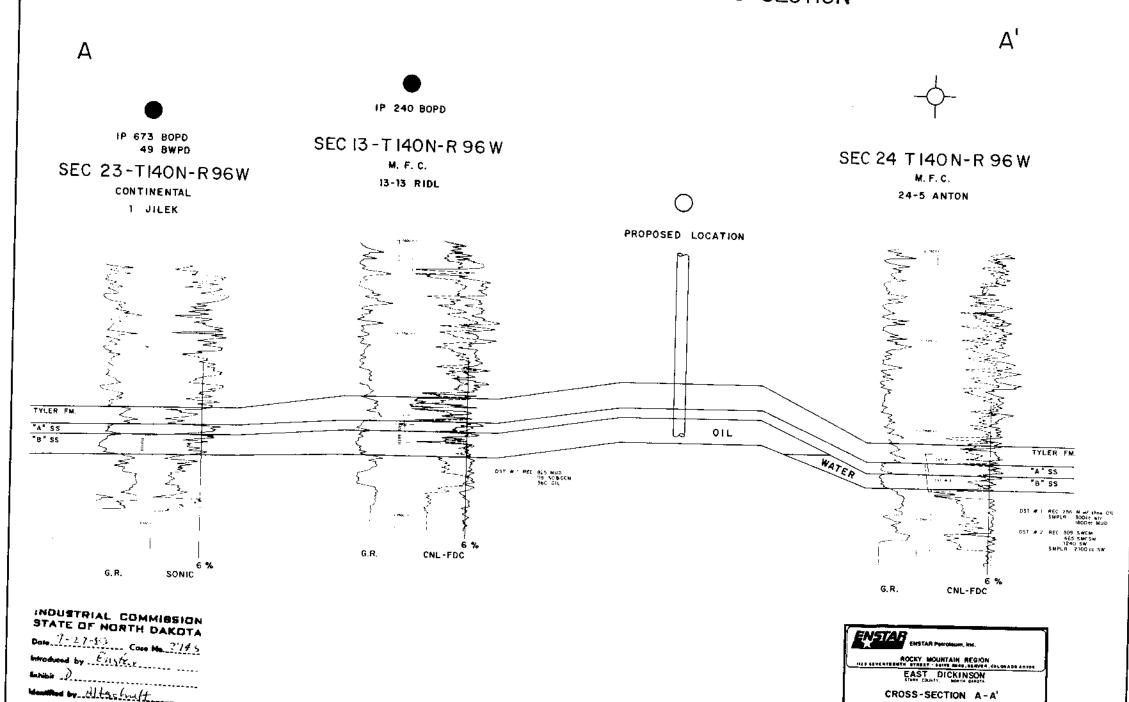
LEASEHOLD OWNERSHIP

CASE NO. 2945

Geolog.	Geophy.	Produc.	Lond	R.C.	9/83
Grees Ac.	Not Ac.	Lease Record Check			
Scale 4"= Mi.	File No.	Prospect IQ.	Pre	sepect No	•



STRUCTURAL-STRATIGRAPHIC CROSS-SECTION

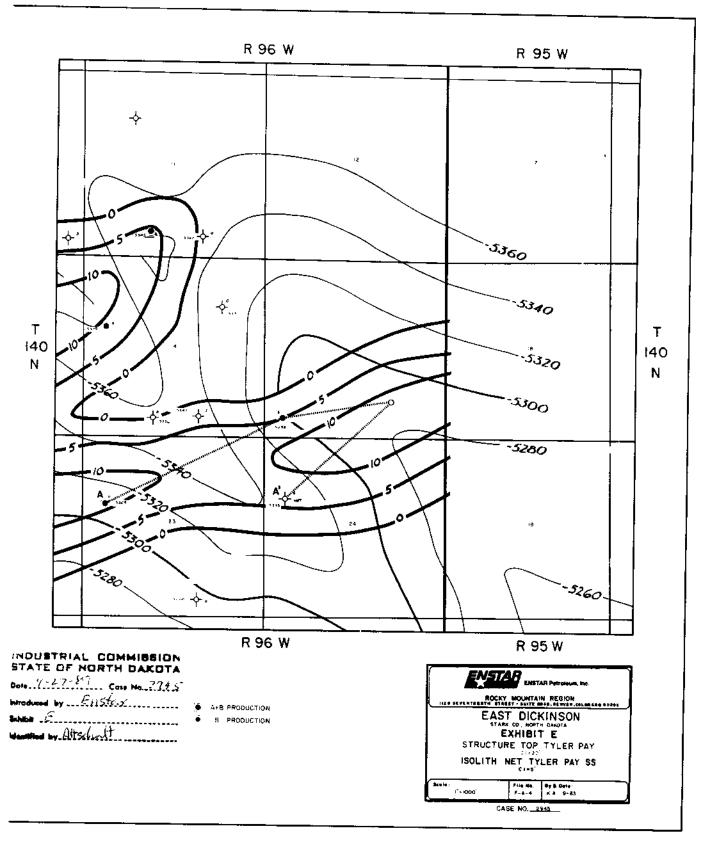


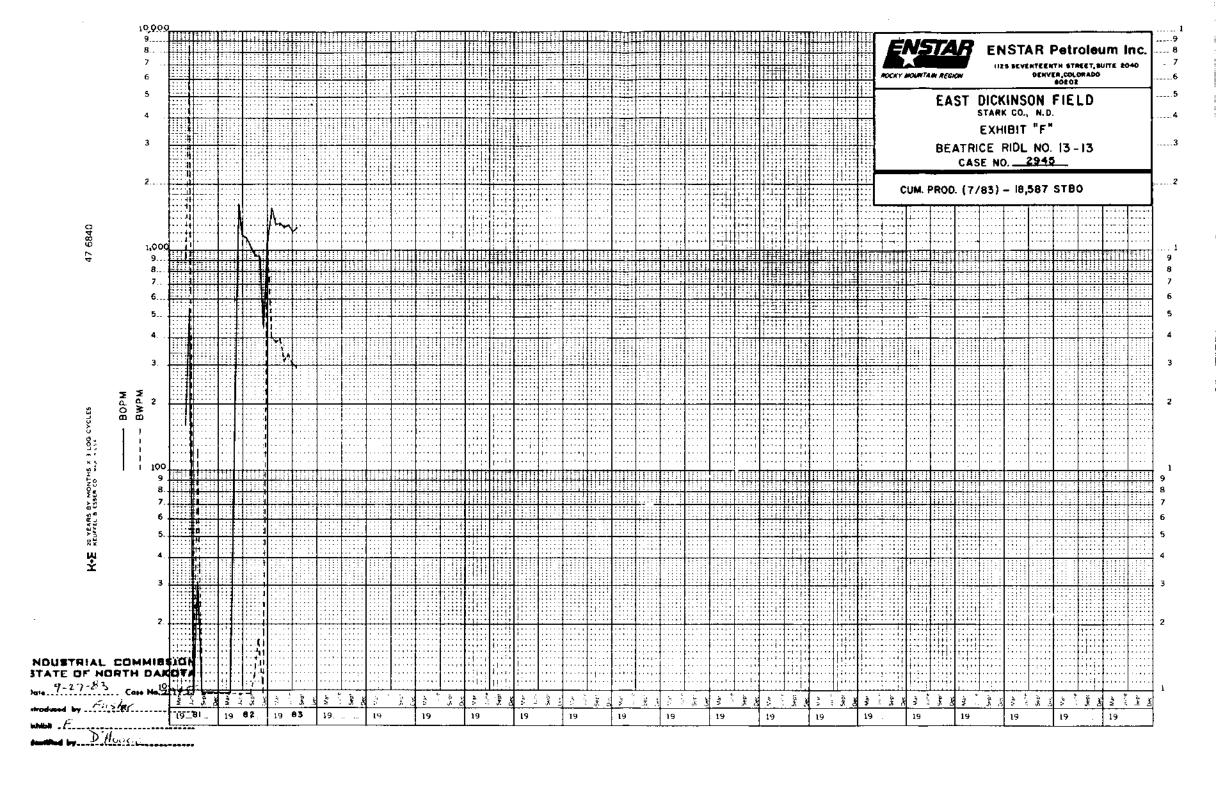
CASE NO. 2945

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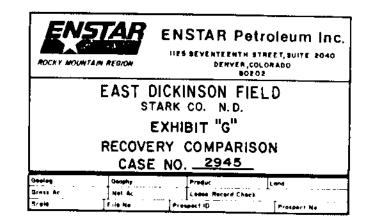
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TRACT	WELL SPACING	ESTIMATED PRIMARY RESERVE/ WELL, STBO	ESTIMATED STBO/AC-FT	RECOVERY EFFICIENCY, % OOIP	DEPLETION @ RESERVE ESTIMATED, %	REMARKS
CONOCO, INC.						
Dickinson Heath Sand Unit T139N,T140N,R96W,R97W	t:					Data obtained from Engineering Feasibility Study submitted to North Dakota Industrial Commission
160 Acre Tracts (16,17,19,21,31,32,33,34,	160 ,35)	243,500	203.4	25.3	67.1	160 Acre Well Spacing Prior to Unitization.
320 Acre Tracts (2,3,9,10,11,12,13,24,27, 28,37,46,47)	320	316,157	116.2	14.5	66.6	320 Acre Well Spacing Prior to Unitization.
ENSTAR						
East Dickinson Field Beatrice Ridl No. 13-13 Sec. 13,T140N,R96W	320	58,000	28.3	4.5	34.3	Based upon perforamnce Curve (Exhibit "F") and Isopach Map (Exhibit

INDUSTRIAL COMMISSION
STATE OF NORTH DAKOTA
Date 9-27-83 Case No. 2745
Introduced by Enstern
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VOLUMETRIC ANALYSIS:

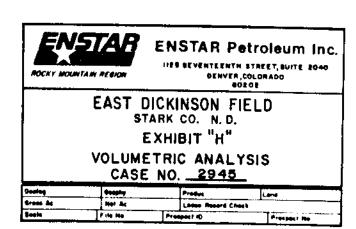
Porosity 12.7%
Water Saturation 30.0%
Formation Volume Factor 1.1
Primary Recovery Efficiency 18.4% (Dickinson Heath Sand Unit)
Location: Section 13-T140N-R96W
Est. Primary B. Ridl No. 13-13 58000 STB0 (Performance Curve)

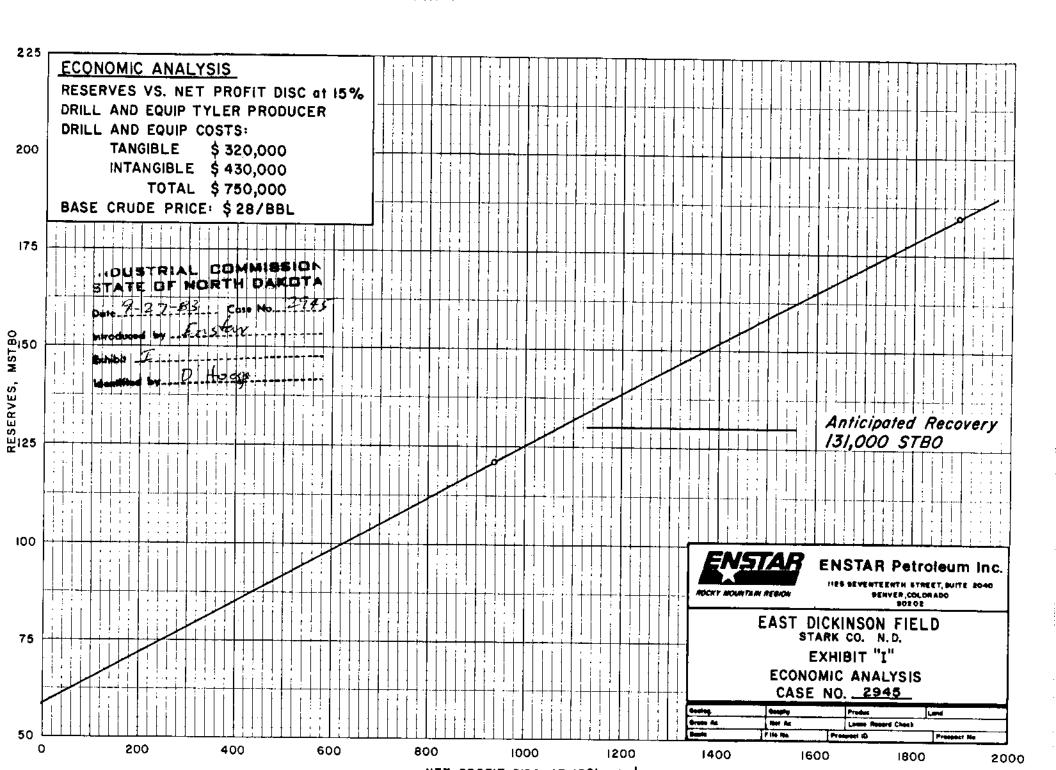
TRACT	Acre-Feet	001P STB0	Est. Primary Recovery @ 18.4%, STBO	Projected Primary Recovery STBO	Recovery Efficiency % 001P
SW/4	630	395,002	72,680	58,000	14.7
SE/4	1421	890,949	163,934		
Total	2051	1,285,951	236,614	58,000	4.5

Anticipated Recovery in SE/4

Based upon Recovery Efficiency of Beatrice Ridl No. 13-13 Well $890.949 \text{ STBO} \times 14.7\% = 131,000 \text{ STBO}$

INDUS RIAL COMMISSION STATE OF NORTH DAKOTA
Date 7-27-53 Case No. 2945
Introduced by Enster
Manifold by D'Honge





2945

1 BEFORE THE INDUSTRIAL COMMISSION 2 STATE OF NORTH DAKOTA 3 IN THE MATTER OF THE APPLICATION) 4 OF ENSTAR PETROLEUM, INC. FOR AN) ORDER PERMITTING A SECOND WELL TO) 5 BE DRILLED ON A 320 ACRE SPACING) APPLICATION UNIT IN THE DICKINSON FIELD 6 DESCRIBED AS THE St OF SECTION 13, TOWNSHIP 140 NORTH, RANGE 96) 7 WEST, STARK COUNTY, NORTH DAKOTA) 8 COMES NOW the applicant, Enstar Petroleum, Inc., and states 9 as follows: 10 1. 11 Enstar Petroleum, Inc. is the owner of interests in the Sk 12 of Section 13, Township 140 North, Range 96 West, Stark County, 13 North Dakota. 14 2. 15 That an oil and/or gas well known as the Beatrice Ridl 13-13 16 located in the SW\s\SW\square of Section 13 is currently producing from 17 the Tyler Formation. 18 3. 19 That the Tyler Formation has been spaced on a 320 acre 20 spacing pattern for the Dickinson Field and the S½ of Section 13 21 is the designated unit for the Beatrice Ridl 13-13. 22 23 That the applicant is desirous of drilling a well in the SE% 24

of Section 13, Township 140 North, Range 96 West, and that said

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1	additional well is necessary for effective and efficient drainage
2	of the pool.
3	WHEREFORE the applicant requests that the Commission issue
4	an order permitting the drilling of two wells per 320 acre unit
5	in said section.
6	Dated this 1st day of September, 1983.
7	FLECK, MATHER, STRUTZ & MAYER, Ltd.
8	Attorneys for Enstar Petroleum, Inc. 600 Dakota Northwestern Building
9	Post Office Box 2798 Bişmarck, North, Dakota 58502
10	By are flule for
11	JANE FLECK ROMANOV
12	STATE OF NORTH DAKOTA)
13	COUNTY OF BURLEIGH)
14	Jane Fleck Romanov, being first duly sworn on oath, deposes
14 15	and says that she is the attorney for the applicant herein named, that she has read the above and foregoing application, knows the
	and says that she is the attorney for the applicant herein named,
15	and says that she is the attorney for the applicant herein named, that she has read the above and foregoing application, knows the contents thereof, and that the same is true to the best of this affiant's knowledge, information and belief.
15 16	and says that she is the attorney for the applicant herein named, that she has read the above and foregoing application, knows the contents thereof, and that the same is true to the best of this
15 16 17	and says that she is the attorney for the applicant herein named, that she has read the above and foregoing application, knows the contents thereof, and that the same is true to the best of this affiant's knowledge, information and belief.
15 16 17 18	and says that she is the attorney for the applicant herein named, that she has read the above and foregoing application, knows the contents thereof, and that the same is true to the best of this affiant's knowledge, information and belief. JANE FLECK ROMANOV
15 16 17 18	and says that she is the attorney for the applicant herein named, that she has read the above and foregoing application, knows the contents thereof, and that the same is true to the best of this affiant's knowledge, information and belief. JANE FLECK ROMANOV Subscribed and sworn to before me this 1st day of September, 1983.
15 16 17 18 19 20	and says that she is the attorney for the applicant herein named, that she has read the above and foregoing application, knows the contents thereof, and that the same is true to the best of this affiant's knowledge, information and belief. JANÉ FLECK ROMANOV Subscribed and sworn to before me this 1st day of September, 1983. Carol Solberg, Notary Public Burleigh County, North Dakota
15 16 17 18 19 20 21	and says that she is the attorney for the applicant herein named, that she has read the above and foregoing application, knows the contents thereof, and that the same is true to the best of this affiant's knowledge, information and belief. JANÉ FLECK ROMANOV Subscribed and sworn to before me this 1st day of September, 1983. Carol Solberg, Notary Public Burleigh County, North Dakota
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LAW OFFICES OF

FLECK, MATHER, STRUTZ & MAYER, LTD.

600 DAKOTA NORTHWESTERN BUILDING

P. O. BOX 2798

BISMARCK, NORTH DAKOTA 58502

ERNEST R. FLECK
RUSSELL R. MATHER
WILLIAM A. STRUTZ
THOMAS A. MAYER
WARREN H. ALBRECHT. JR.
GARY R. WOLBERG
PAUL W. SUMMERS
JANE FLECK ROMANOV
STEVEN A. STORSLEE
BRIAN R. BJELLA
JOHN W. MORRISON
RANDALL J. BAKKE
DANIEL L. HOVLAND

September 1, 1983

TELEPHONE (701) 223-6585 TELECOPIER (701) 222-4853

Mrs. Karleen Fine Governor's Office State Capitol Bismarck, ND 58505

Dear Karleen:

In re Enstar Petroleum, Inc.

Enclosed is an application for Enstar Petroleum, Inc. which we request be placed on the docket for the September hearings of the Industrial Commission.

Very truly yours,

JANE FLECK ROMANOV

cs Enclosure

cc Mr. Jack Wilborn

Mr. Wesley D. Norton