MINUTES OF THE SENATE UTILITIES COMMITTEE.

The meeting was called to order by Chairperson Senator Stan Clark at 9:30 a.m. on February 6, 2001 in Room 231-N of the Capitol.

All members were present except:

Committee staff present:

Raney Gilliland, Legislative Research Tom Severn, Legislative Research Bruce Kinzie, Revisor of Statutes Lisa Montgomery, Revisor of Statutes

Ann McMorris, Secretary

Chris Crowder, Intern to Senator Clark

Conferees appearing before the committee:

Dick Brewster, Bp Amoco Jack Glaves, Oxy Robert Krehbiel, KIOGA Charles Wilson, Berexco

Written testimony-Ron Hein, Pioneer Natural Resources Erick Nordling, Southwest Kansas Royalty Owners Assn.

Others attending: See attached sheet

Chair opened the meeting. Copies of a memo from Jack Glaves was distributed. (Attachment 1)

Chair opened hearing on:

SB 51 - exempting incremental severance and production of oil and gas from severance tax.

The following proponents testified:

Dick Brewster, Director, Government Affairs, Bp (<u>Attachment 2</u>) Following his testimony, Mr. Brewster explained their proposed changes and amendments to **S.B. 51**. (<u>Attachment 3</u>)

Jack Glaves, Occidental Oil and Gas Company (Attachment 4)

Robert Krehbiel, Kansas Independent Oil & Gas Association (Attachment 5)

Charles Wilson, vice president, BEREXCO, INC. (Attachment 6)

Written testimony was provided by:

Ronald Hein, Pioneer Natural Resources U.S.A., Inc. (Attachment 7) Erick Nordling, Southwest Kansas Royalty Owners Association (Attachment 8)

Chair opened for questions. The committee reviewed the fiscal note. Severance tax rates for other states were requested. In some instances, the severance tax while higher in other states, is the only tax paid. Bill Brian, attorney for Oxy, reviewed the advantages to Kansas if more companies were to invest in enhancing wells due to the exemption from severance tax.

Property ad valorem tax increase will be 50% more than the severance tax and producers pay sales tax on materials and 6.1/2% income tax on the increment.

Chair asked KCC for their definition of horizontal drilling and whether they agreed with the language on page 5 line 43 thru page 6 line 4 on horizontal drilling. Dave Williams, KCC supervisor of production, noted they have two definitions - one on deviated drilling and one on horizontal drilling. Purpose of this exemption is for horizontal only and does not cover deviated drilling.

cnair closed hearing.

Moved by Senator Barone, seconded by Senator Brownlee to amend **S.B. 51** by striking the language from line 43 on page 5 to line 4 on Page 6 "production from a horizontally drilled well drilled and completed in a manner which encounters and produces oil or gas from a geological formation at an angle in excess of 70 degrees from vertical and which laterally penetrates a minimum of 150 feet into the pay zone of the formation;". Motion carried.

Moved by Senator Wagle, seconded by Senator Brownlee, to amend **S.B.51** with language prepared by Dick Brewster, Bp. (Attachment 3) Motion carried.

Moved by Senator Wagle, seconded by Senator Lee, to pass out S.B. 51 as amended. Motion carried.

Next meeting of Senate Utilities Committee with be held jointly with the House Utilities Committee on February 7 in Room 526-S at 9:30 a.m.

Adjournment.

Respectfully submitted,

Ann McMorris, Secretary

Attachments - 8

SENATE UTILITIES COMMITTEE GUEST LIST

DATE: February 6, 2001

Name	Representing
Lack 6 laves	Ofen
Bill F. BRYAN	Ovel
Asins Farmiston	KCC
DAVE WILLIAMS	KCC
Richard Franz	Innotech Marketing Inc
Darcy Kells	Light for the World
Charles Wilson	Berexco
J. P. SMALL	EXX MOBIL
Les Peterson	KS Petroleum Council
Jim Allen	EKOGA
Flohert E Krehbie	K106A
John Perlow	Sen. Stan Clark
Nick Brew to	BP-
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February 6, 2001

Message from Jack Glaves

Kinder Morgan has received \$8.5 million of a potential total of \$31 Million. 28% is refundable to Kansas customer sand of that 80% goes to Midwest Energy. Kansas has received \$2.4 Million of which \$1.7 Million is receivable by Midwest Energy. We are in the process of arranging additional meetings. The first meeting held in November with key producers and consumers.

Comments to:

The Kansas Senate Committee on Utilities

on

Senate Bill No. 51

February 6, 2001 Topeka, Kansas

Submitted by:

Dick Brewster Director, Government Affairs bp Mr. Chairman, Members of the Committee, for the record, my name is Dick Brewster, and I am Director of Government Affairs for bp.

First, let me express my appreciation to the Committee for its introduction of the S.B. 51, and the opportunity to review the bill with you today.

Senate Bill No. 51 modifies Section 1 (b) (6) of K.S.A.79-4217. Section 1 (b) of K.S.A. 79-4217 is a list of exceptions to the state severance tax. Subsection (6) provides that oil or gas resulting from certain "production enhancement projects" is exempt for a fixed time period of 7 years.

Production enhancement projects include defined investment that results in "incremental" production, or production volumes that would not be obtained except for the project -- the investment. An enhancement project also includes the initial drilling of certain wells that bear an extra-ordinary front loaded cost, wells defined in the law as being based on "new technology. The law exempts from the severance tax this incremental, or additional production and production from the qualifying new wells based on new technology. No existing production was exempted as the result of adoption of this law three years ago.

The idea behind enactment of the measure three years ago was to encourage investment in Kansas gas and oil production. It has done that. Jack Glaves, representing OXY, and others who will speak with you in a few minutes will provide specific examples of production and revenue, which have resulted from the incentives provided by this legislation.

"Incremental production" resulting from production enhancement projects increase the life of mature oil and gas fields, resulting in the production of more oil and gas from those fields in the long term, and provide an immediate increase in production volumes from these areas. Wells based on new technology, wells that have an unusually high front-end cost, increase overall production in Kansas. Both mean more jobs in Kansas, more payroll and sales tax revenue, and more property tax revenue for the state and local governments. These revenues exceed the cost to the state from foregoing the severance tax revenue for a period of time. And, ultimately, the state will pick up the severance tax revenues as well.

The current law, however, has a significant problem: The severance tax exemption goes away during any fiscal year which follows a calendar in which the average price of Kansas gas is over \$2.50 per Mcf, and Kansas crude oil sells for over \$20.00 per barrel. I surely don't have to say that prices are now above these thresholds.

Senate Bill No. 51 eliminates these price thresholds. We recommend this action because it is important for Kansas to be competitive with other states in attracting investment. As I reported to you a few weeks ago, gas producers will be spending some \$40 billion a year in developing and delivering gas to meet U. S. projected demand. All producing

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areas, and potential areas will be competing for this investment. With the price caps, Kansas remains less than fully competitive for the investment that will happen. Texas and Louisiana have removed price caps from their investment incentives. Oklahoma is looking at removing its incentive thresholds. The amendment that appears on page 6 of the bill, lines 25 through 31, remove these thresholds from current law.

The amendment which begins on line 43 of page 5 and goes through line 5 on page 6 is intended to include types of wells which, like 3 Dimensional seismic based wells, have an extra-ordinary high front end cost. Specifically, this amendment includes horizontally drilled wells and coal bed gas production. In discussions with the KCC, we've learned that horizontally drilled wells are already included as qualifying projects under the "new technology" provisions of the law. Coal bed production may also qualify under this provision as well. You may hear that this amendment may not be needed. If these wells qualify, this amendment might be removed from the bill, though there is certainly no damage done by leaving it in the bill.

I need to speak to the amendment in the definition of base production, beginning at line 38 on page 4 and going to line 2 on page 5. I've prepared a handout showing how this amendment needs to read. The language beginning with the first sentence starting on line 41 of page 4, and ending with the word "date" on line 1, page 5, is in the wrong place. It refers to the base production of oil, not gas. So, my handout recommends it be moved and subsequent language be changed accordingly.

The change in the definition of base production for a gas well is needed to accommodate the increasing number of wells in the Hugoton area that will have to have vacuum applied — which have no wellhead pressure.

Mr. Chairman, Members of the Committee, again, I appreciate the chance to review this bill with you. I will be happy to respond to any questions. I urge approval of Senate Bill 51 by the Committee at an early date, since it is also referred to the Senate Tax Committee, and must be heard and acted upon there.

Respectfully Submitted,

Dick Brewster

from any well pursuant to this paragraph shall be valid for a period of 24 months following the month in which oil or gas was first produced from such pool. The term "pool" means an underground accumulation of oil or gas in a single and separate natural reservoir characterized by a single pressure system so that production from one part of the pool affects the reservoir pressure throughout its extent;

- (5) the severance and production of oil or gas from a three-year inactive well, as determined by the state corporation commission and certified to the director of taxation, for a period of 10 years after the date of receipt of such certification. As used in this paragraph, "three-year inactive well" means any well that has not produced oil or gas in more than one month in the three years prior to the date of application to the state corporation commission for certification as a three-year inactive well. An application for certification as a three-year inactive well shall be in such form and contain such information as required by the state corporation commission, and shall be made prior to July 1, 1996. The commission may revoke a certification if information indicates that a certified well was not a three-year inactive well or if other lease production is credited to the certified well. Upon notice to the operator that the certification for a well has been revoked, the exemption shall not be applied to the production from that well from the date of revocation;
- (6) (A) The incremental severance and production of oil or gas which results from a production enhancement project begun on or after July 1, 1998, shall be exempt for a period of seven years from the startup date of such project. As used in this paragraph (6):
- (1) "Incremental severance and production" means the amount of oil or natural gas which is produced as the result of a production enhancement project which is in excess of the base production of oil or natural gas, and is determined by subtracting the base production from the total monthly production after the production enhancement projects project is completed.
 - (2) "Base production" means:
- (i) For an oil well, the average monthly amount of production for the twelve-month period immediately prior to the production enhancement project beginning date, minus the monthly rate of production decline for the well or project for each month beginning 180 days prior to the project beginning date or
- for a gas well, the average extrapolated monthly production determined from the standard backflow equation utilizing the decline rate, the last state supervised well test and gas in place from historical shut-in pressure versus cumulative production plot. The monthly rate of production decline shall be equal to the average extrapolated monthly decline rate for the well or project for the twelve-month period immediately prior

enate Utilities Committee ebruary 6, 2001

The monthly rate of [production decline shall be equal to the average extrapolated monthly decline rate for the well or project for the twelve-month period immediately prior to the production enhancement project beginning date.

The monthly rate of [production decline shall be equal to the average extrapolated monthly decline rate for the well or project for the twelve-month period immediately prior to the production-enhancement project beginning date.

to the production enhancement project beginning date, except that in the case of either oil or gas production, the monthly rate of production decline shall be equal to zero in the case where the well or project has experienced no monthly decline during the twelve-month period immediately prior to the production enhancement project beginning date. Such monthly rate of production decline shall be continued as the decline that would have occurred except for the enhancement project. Any well or project which may have produced during the twelve-month period immediately prior to the production enhancement project beginning date but is not capable of production on the project beginning date shall have a base production equal to zero. The calculation of the base production amount shall be evidenced by an affidavit and supporting documentation filed by the applying taxpayer with the state corporation commission.

- (3) "Workover" means any downhole operation in an existing oil or gas well that is designed to sustain, restore or increase the production rate or ultimate recovery of oil or gas, including but not limited to acidizing, reperforation, fracture treatment, sand/paraffin/scale removal or other wellbore cleanouts, casing repair, squeeze cementing, initial installation, or enhancement of artificial lifts including plunger lifts, rods, pumps, submersible pumps and coiled tubing velocity strings, downsizing existing tubing to reduce well loading, downhole commingling, bacteria treatments, polymer treatments, upgrading the size of pumping unit equipment, setting bridge plugs to isolate water production zones, or any combination of the aforementioned operations; "workover" shall not mean the routine maintenance, routine repair, or like for-like replacement of downhole equipment such as rods, pumps, tubing packers or other mechanical device.
- (4) "Production enhancement project" means performing or causing to be performed the following:
 - (i) Workover;
- (ii) recompletion to a different producing zone in the same well bore, except recompletions in formations and zones subject to a state corporation commission proration order;
 - (iii) secondary recovery projects;
 - (iv) addition of mechanical devices to dewater a gas or oil well;
 - (v) replacement or enhancement of surface equipment;
- (vi) installation or enhancement of compression equipment, line looping or other techniques or equipment which increases production from a well or a group of wells in a project;
- (vii) new discoveries of oil or gas which are discovered as a result of the use of new technology, including, but not limited to, three dimensional seismic studies;
 - (viii) production from a horizontally drilled well drilled and com-

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except that in (iii) In the case of either oil or gas production, the monthly rate of production decline shall be equal to zero in the case where the well or project has experienced no monthly decline during the twelve-month period immediately prior to the production enhancement project beginning date. Such monthly rate of production decline shall be continued as the decline that would have occurred except for the enhancement project. Any well or project which may have produced during the twelve-month period immediately prior to the production enhancement project beginning date but is not capable of production on the project beginning date shall have a base production equal to zero. The calculation of the base production amount shall be evidenced by an affidavit and supporting documentation filed by the applying taxpayer with the state corporation commission.

pleted in a manner which encounters and produces oil or gas from a geological formation at an angle in excess of 70 degrees from vertical and which laterally penetrates a minimum of 150 feet into the pay zone of the formation; or

(ix) production of natural gas or oil from a coal bed.

- (B) The state corporation commission shall adopt rules and regulations necessary to efficiently and properly administer the provisions of this paragraph (6) including rules and regulations for the qualification of production enhancement projects, the procedures for determining the monthly rate of production decline, criteria for determining the share of incremental production attributable to each well when a production enhancement project includes a group of wells, criteria for determining the start up date for any project for which an exemption is claimed, and determining new qualifying technologies for the purposes of paragraph (6)(A)(4)(vii).
- (C) Any taxpayer applying for an exemption pursuant to this paragraph (6) shall make application to the director of taxation. Such application shall be accompanied by a state corporation commission certification that the production for which an exemption is sought results from a qualified production enhancement project and certification of the base production for the enhanced wells or group of wells, and the rate of decline to be applied to that base production. The secretary of revenue shall provide credit for any taxes paid between the project startup date and the certification of qualifications by the commission.
- (D) The exemptions provided for in this paragraph (6) shall not apply for 12 months beginning July 1 of the year subsequent to any calendar year during which: (1) In the case of oil, the secretary of revenue determines that the weighted average price of Kansas oil at the wellhead has exceeded \$20.00 per barrel; or (2) in the case of natural gas the secretary of revenue determines that the weighted average price of Kansas gas at the wellhead has exceeded \$2.50 per Mcf.
- (E) (D) The provisions of this paragraph (6) shall not affect any other exemption allowable pursuant to this section; and
- (7) for the calendar year 1988, and any year thereafter, the severance or production of the first 350,000 tons of coal from any mine as certified by the state geological survey.
 - (c) No exemption shall be granted pursuant to subsection (b)(3) or
- (4) to any person who does not have a valid operator's license issued by the state corporation commission, and no refund of tax shall be made to any taxpayer attributable to any production in a period when such taxpayer did not hold a valid operator's license issued by the state corporation commission.
 - (d) On April 15, 1988, and on April 15 of each year thereafter, the

STATEMENT BY JACK GLAVES FOR OCCIDENTAL OIL AND GAS COMPANY ON SB 51 BEFORE SENATE UTILITIES COMMITTEE

FEBRUARY 6, 2001

Occidental Oil and Gas Company has a long history in Kansas through its predecessor company Cities Service, that was a developer of the El Dorado field since the First World War. Oxy is currently one of the most active producers in the Southwest Kansas area and is particularly involved in deeper exploration ventures. These are relatively expensive and high risk. The existing tax incentives have encouraged the drilling by Oxy of 32 wells (14 gas and 18 oil) involving an expenditure of approximately 13 million dollars. The drilling program resulted in 15 dry holes costing an additional 2.25 million dollars.

The forgone severance tax is more than offset by added ad valorem taxes received by the counties involved, by a margin of approximately 2 to 1. (roughly \$2.00 of ad valorem tax for \$1.00 of severance tax)

Oxy has particularly utilized the exemption in extensive 3 D seismic that is vital to exploration in the complex geology of the deeper formations underlying the Hugoton.

The attached pie chart reflects the breakdown for industry utilization of the exemption. As you can see 3 D and compression are the major vehicles both of which are prime sources of new and expanded production.

The exemption has encouraged not only Oxy and Anadarko to devote capital to Kansas but it has also resulted in extensive activity by the independents. The KCC list of certifications reflects use of the incentive by Vess Oil Corporation, Pickrell Drilling, Mull Drilling and others from Wichita, American Warrior of Garden City, John Farmer of Russell and many others involving projects ranging from Elk and Butler Counties to the East across the state to North Central and Northwest Kansas; Graham, Ellis, Russell, Lane and Gove counties, as well as the traditional Southwest Kansas gas area.

Bottom line, the exemption has resulted in over 300 applications and as its availability becomes more generally known we believe it can be a continued source for new investment capital for Kansas exploration.

Its cost is not a budget buster.

The attached Department of Revenue transmittal reflects exempt production of

228,000 bbls of oil and 2,300 mcf of gas for the first eight months of 2000, involving a tax exemption of \$274,000 attributable to oil and \$307,000 for gas.

The history of exemptions in the producing states has shown they are net revenue producers for the state and local government as well as oil and gas production enhancers for the economy.

Oxy's staff is seeking authorization for 20 million dollars for additional Kansas exploration for this year.

We believe the discontinuance of the incentive, by not passing the Bill, would send the wrong message to the decision makers as to where to spend investment dollars.

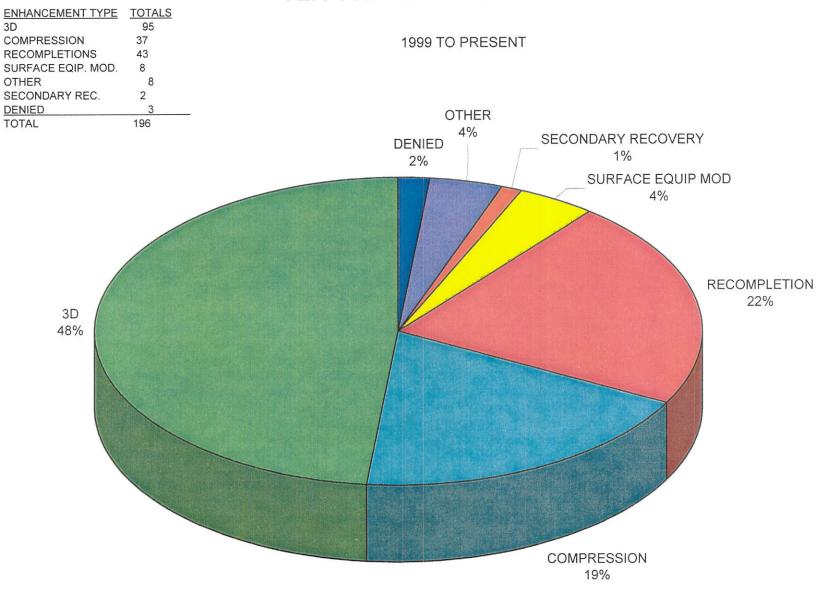
We urge your favorable consideration of SB 51.

Respectfully submitted,

Jack Glaves

CER-1 APPLICATIONS BY TYPE

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189925 GODDARD B 1-5 ANADARKO MORTON 5-34-41W AUGUST 26, 1999 MAY 1, 2000 APPROVED NOVEMBER 17, 1938 RECOMPLETION							APROL 13, 2000 APPROVED	JUME 8, 1888	COMPRESSION
LR 89926 GREGG F 6 AMADARKO MASKELL 4-29-34W AUGUST 26, 1999 MAY 1, 2000 APPROVED NOVEMBER 77, 1998 RECOMPLETION 4-29-34W AUGUST 26, 1999 MAY 1, 2000 APPROVED AUGUST 28, 1999 MAY 1, 2000 APPROVED AUGUST 28, 1999 MAY 1, 2000 APPROVED AUGUST 28, 1999 BECOMPLETION 5-22-39W AUGUST 30, 1999 DECSMBER 27, 1997 APPROVED MAY 25, 1999 3D DECSMBER 27, 1997 APPROVED AUGUST 9, 1999 3D DECSMBER 27, 1997 APPROVED AUGUST 9, 1999 3D DECSMBER 27, 1997 APPROVED AUGUST 9, 1999 3D DECSMBER 27, 1999 APPROVED MARCH 8, 19							MAY 4 POYS ADDDONES	NO THREE 47 1505	SECONDI CTION
CER 89927 SIMMOHS A 1 OXY USA INC MORTON 15-32-39W AUGUST 33, 1999 DECEMBER 27, 1999 APPROVED MAY 25, 1999 30 CER 89929 JACK DURNE 1-35 YOUNGER ENERGY CO LANE 35-18-28W AUGUST 27, 1999 JANUARY 7, 2000 APPROVED AUGUST 9, 1999 30 CER 89930 PRICE 1-25 OIL PROD. INC OF KS FORD 25-28-21W AUGUST 31, 1999 DECEMBER 27, 1999 APPROVED MARCH 8, 1999 COMPRESSION									
CER 89928 FERGUSON 17-1 DOLOMITE RESOURCES COWLEY 17-30-8E AUGUST 27, 1999 JANUARY 7, 2000 APPROVED AUGUST 9, 1999 3D CER 89929 JACK DUNNE 1-35 YOUNGER ENERGY CO LANE 35-18-28W AUGUST 31, 1999 OCTOBER 12, 1999 APPROVED JULY 31, 1999 3D CER 89930 PRICE 1-25 OIL PROD. INC OF KS FORD 25-28-21W AUGUST 31, 1999 DECEMBER 27, 1999 APPROVED MARCH 8, 1999 COMPRESSION	CER 69927								
CER 8929 JACK DUNNE 1-35 YOUNGER ENERGY CO LANE 35-18-28W AUGUST 31, 1999 OCTOBER 12, 1999 APPROVED JULY 31, 1999 3D COMPRESSION PRICE 1-25 OIL PROD. INC OF KS FORD 25-28-21W AUGUST 31, 1999 DECEMBER 27, 1999 APPROVED MARCH 8, 1999 COMPRESSION									
CER 89930 PRICE 1-25 OIL PROD. INC OF KS FORO 25-28-21W AUGUST 31, 1999 DECEMBER 27, 1999 APPROVED MARCH 8, 1999 COMPRESSION									
	CER ESOST	C177 E 2			1 (5 - 5)			CONTRACTOR CONTRACTOR	0.000 0.000

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K.C.C. Wichita

	LER 59932	PRICE 2-25	O'L PROD. INC OF KS	FORD	4-28-211/	AUGUST 31, 1999	DECEMBER 27, 1909 APPROVED	MARCH 8, 1999	COMPRESSION
	CER 9331	RUSCO-CAVIS 3-25	MURFIN DRLG CO	ELLIS	25-11-20V/	SEPTEMBER 3, 1998	JANUARY 28, 2000 APPROVED	NOVEMBER 30, 1998	ac ac
	CER 9992	T.W. HALL 1-17	MURFIN DRLG CO	ELLIS	17-11-19W	SEPTEMBER 3, 1999	JANUARY 5, 2000 APPROVED	JUNE 30, 1999	3D
1	CER 9953	UNRUH D 2	ONEOK RESOURCES CO	KIOVIA	27-30-1817	SEPTEMBER 7, 1999	JANUARY 5, 2000 APPROVED	AUGUST 20, 1998	RECOMPLETION
	CER 9904	ADAMS L 2	ANADARKO	HASKELL	33-29-34W	SEPTEMBER 8, 1993	MAY 9, 2000 APPROVED	JULY 13, 1999	COMPRESSION
S	CER 99:35	MURPHY D 2	ANADARKO	HASKELL	34-29-34W	SEPTEMBER 8, 1999	MAY 9, 2000 APPROVED	JULY 13, 1993	COMPRESSION
02/06	CER 9996	MURPHY D 3	ANADARKO	HASKELL	34-29-34W	SEPTEMBER 6, 1993	MAY 9, 2000 APPROVED	JULY 13, 1969	COMPRESSION
ાં તે	CER 9997 CER 10991	MURPHY D 4	ANADARKO	HASKELL	34-29-34W	SEPTEMBER B, 1993	MAY 9, 2003 APPROVED	JULY 13, 1999	COMPRESSION
Ö	CER 10992	HOLLAND UNIT 19-1	IMPERIAL AMERICAN OIL	ELLIS	19-11-19W	OCTOBER 8, 1999	JANUARY 26, 2000 APPROVED	SEPTEMBER 13, 1939	30
	CER 10933	BROLLIER D 2H	ANADARKO	STEVENS	28-31 - 35W	OCTOBER 12, 1999	MAY 10, 2000 APPROVED	JUNE 21, 1999	COMPRESSION SECONDARY RECOVERY
ட	CER 10994	WOLF I 1 JAMISON A 1	YOUNGER ENERGY CO	GOVE	24-11-26W	OCTOBER 12, 1999	JANUARY 17, 2003 APPROVED	SEPTEMBER 30 1999	SECONDARY RECOVERY
	CER 10995	PYLE B 1	YOUNGER ENERGY CO	GOVE	25-11-28W	OCTOBER 12, 1999	JANUARY 17, 2000 APPROVED	SEPTEMBER 27 1990 NOVEMBER 12, 1998	COMPRESSION
	CER 10296	INTERSTATE 1-21	ANADARKO	CCMANCHE	14-31-18W	OCTOBER 14, 1999	MAY 10, 2003 APPROVED	JULY 29, 1998	RECOMPLETION
	CER 10997	MAYBERRY 1-4	ANADARKO ANADARKO	MORTON	27-34-43\\	OCTOBER 15, 1997	MAY 10, 2003 APPROVED MAY 10, 2003 APPROVED	OCTOBER 21, 1998	RECOMPLETION
(1)	CER 10998	KANSAS 1-22	ANADARKO	NORTON	4-36-43W 22-34-43W	OCTOBER 15, 1999 OCTOBER 15, 1999	MAY 10, 2000 APPROVED	AUCUST 20, 1998	RECCMPLETION
(i)	CER 10999	SCHINSTOCK 2	BEREXCO INC	HODGEMAN	16-24-27W	OCTOBER 15, 1999	111110, 2003 111110 122		
1	CER 109310	SEBES, FRANK 1	BEREXOO INC	HODGEMAN	18-72-72'\	OCTOBER 15, 1999			
,1	CER 109911	MERRITT MLP 2-35	HARRIS OIL & GAS CO.	GRANT	35-29-35W	OCTOBER 18, 1999	MAY 10, 2000 APPROVED	SEPTEMBER 7, 1909	DD .
	CER 109912	KANSAS 1-21	ANADARKO	MORTON	21-34-42W	OCTOBER 18, 1999	JUNE 22, 2003 APPROVED	SEPTEMBER 12, 1998	RECOMPLETION
	CER 105013	STEVESSON 3-24	ANADARKO	GRANT	24-29-35VV	OCTOBER 20, 1999	JULY 3, 2000 APPROVED	JANUARY 14, 2999	COMPRESSION
=	CER 109914	WHITE 3-10	ANAQARKO	HASKELL	10-29-34VV	OCTOBER 20, 1999	DECEMBER 19, 2000 APPROVED	MAY 12, 1999	RECOMPLETION
0	CER 109915	WHITE 5-10	ANADARKO	HASKELL	10-29-34V/	OCTOBER 20, 1999	JULY 3, 2000 APPROVED	JULY 8, 1999	RECOMPLETION
32	CER 109916 CER 109917	WARREN A 2H	ANADARKO	FINNEY	1 22-34W	OCTOBER 28, 1999	JULY 3, 2000 APPROVED	JUNE 28, 1999	COMPRESSION
8	CER 109918	SMITH 1	HINKLE OIL COMPANY	BARBER	6-30-13W	OCTOBER 28, 1999	FEGRUARY 4, 2000 APPROVED	SEPTEMBER 15, 1909	RECOMPLETION
144 0000	CER 109919	TUCKER H 2H	ANADARKO	GRANT	24-29-35\V	OCTOBER 20, 1999	JULY 24, 2000 APPROVED	JANUARY 14, 1999	COMPRESSION
Jan	CER 11991	WARREN 1-1 DALE 1	CONTACTION OF THE PROPERTY OF	PINNEY	1-22-3477	OCTOBER 26, 1999	JULY 24, 2000 APPROVED	JUNE 28, 1999 APPROVED	COMFRESSION RECOMPLETION
TO	CER 11992	DEVATT 1	MIDCO EXPLORATION OIL PROD. INC OF KS.	COMANCHE	34-32-18 V	NOVEMBER 4, 1999	JANUARY 24, 2000 APPROVED	AUGUST 31, 1999 OCTOBER 1, 1999	RECOMPLETION
' '	CER 11933	DALE 2	OIL PROD. INC OF KS.	BARBER	10-34-13W	NOVEMBER 12, 1999	OCTOBER 31, 2000 APPROVED	SEPTEMBER 12, 1999	RECOMPLETION
	CER 11994	KOEHN 1-24	VINCENT OIL CORP	COMANCHE KIOWA	26-32-16W	NOVEMBER 12, 1999	OCTOBER 31, 2000 APPROVED JANUARY 7, 2000 APPROVED	SEPTEMBER 10, 1999	3D
	CER 11995	YOST 1-29	VINCENT OIL CORP	KICYMA	24-29-19V/ 29-29-18W	NOVEMBER 15, 1999 NOVEMBER 15, 1999	JANUARY 7, 2003 APPROVED	AUGUST 20, 1939	3D
	CER 11990	USA TO 1	ANADARKO	MORTON	1-34-42W	NOVEMBER 17, 1999	JULY 24, 2000 APPROVED	AUGUST 8, 1939	RECOMPLETION
	CER 11937	BERGER A 1	OXY USA INC	HASKELL	22-27-3¢.V	NOVEMBER 19, 1999	MARCH 29, 2000 APPROVED	MARCH 27, 1999	эΩ
	CER 11998	BERGER A 2	OXY USA INC	HASKELL	22-27-30W	NOVEMBER 19, 1999	MARCH 29, 2000 APPROVED	MAY 28, 1999	3D
	CER 11999	A C ACCOM	OXY USA INC	HASKELL	15-27-34W	NOVEMBER 19, 1999	MARCH 17, 2000 APPROVED	NOVEMBER 9, 1999	30
	CER 119910	MLP CAVNER B 1	OXY USA (NC	STEVENS	32-31-38W	NOVEMBER 19, 1999	MARCH 17, 2000 APPROVED	SEPTEMBER 3, 1989	30
 1	CER 119911	MLP CAVNER D 1	OXY USA INC	STEVENS	31-31-38W	NOVEMBER 19, 1999	MARCH 17 2000 APPROVED	MAY 6, 1999	30
	CER 119912	MLP CAVNER E 1	OXY USA INC	STEVENS	31-31-36W	NOVEMBER 19, 1999	MARCH 17, 2003 APPROVED	JULY 21, 1999	30
62	CER 119913	MLP CORNELL UNIV. A 1	OXY USA INC	STEVENS	15-32-39A	NOVEMBER 19, 1999	MARCH 17, 2000 APPROVED	NOVEMBER 6, 1999	30
4	CER 119914 CER 119915	MLP YOUNGREN B 1	OXY USA INC	STEVENS	f1-32-39VV	NOVEMBER 19, 1999	MARCH 20, 2000 APPROVED	OCTOBER 1, 1999	30
r-	CER 119916	BRINKMAN C 1	OXY USA INC	HASKELL	23-27-34VV	NOVEMBER 19, 1999	MARCH 20, 2000 APPROVED	OCTOBER 12, 1999	30
557	CER 119917	FREY E 1	OXY USA INC	HASKELL	13-27-3411	NOVEMBER 19, 1939	MARCH 2D, 2003 APPROVED	AUGUST 25, 1999	3D
140	CER 115918	PARCEL #1-35 CHARLS BREEDING #3-1210	MIDCO EXPLORATION	COMANCHE	35-32-18iV	NOVEMBER 23, 1993	JANUARY 24, 2000 APPROVED	NOVEMBER 13, 1999	RECOMPLETION
ف	CER 12991	MCPHERSON COLLG AZ-27		MORTON	10-32-4 0. ▼	NOVEMBER 29, 1999	FEBRUARY 25, 2000 APPROVED	NOVEMBER 19, 1999	3D
둳	CER 12992	MCPHERSON COLLG A2-28	HARRIS OIL & GAS CO. HARRIS OIL & GAS CO.	STANTON	. 27-29-39W	DECEMBER 1, 1999	MARCH 15, 2000 APPROVED	OCTO3ER 1, 1999	OTHER
1	CER 12993	CAMPIONA 1	ANADARKO	STANTON	28-29-39 <i>N</i>	DECEMBER 1, 1999	MARCH 15, 2000 APPROVED	NDVEMBER 1, 1999 JUNE 4, 1999	OTHER 3D
\times	CER 12994	TUCKER M 1	ANADARKO	SEWARD SEWARD	25-33-34W 8-35-33Y/	DECEMBER 7, 1993	DECEMBER 17, 1999 APPROVED DECEMBER 17, 1999 APPROVED	AUGUST 30, 1999	30
יח	CER 12995	TODD 2-3	MIDCO EXPLORATION	COMANCHE	3-33-1BW	DECEMBER 7, 1999	JANUARY 24, 2000 APPROVED	DECEMBER 7, 1999	30
L	CER 17995	MLF MUNCY A 1	HARRIS OLL & GAS CO.	STEVENS	14-31-39W	DECEMBER 13, 1999 DECEMBER 13, 1999	MAY 30, 2000 APPROVED	JANUARY 30, 1999	30
	CER 12997	ASHER 3	VESS OIL CORPORATION	BARTON	34-20-14W	DECEMBER 22,1993	APRIL 11, 2000 APPROVED	DECEMBER 20, 1999	RECOMPLETION
	CER 12998	ASHER (VESS OIL CORPORATION	BARTON	34-20-14IV	DECEMBER 22, 1999	APRIL 11, 2000 APPROVED	DECEMBER 22, 1999	RECOMPLETION
	CER 12999	REINHARDT C #2	JOHN O. FARMER, INC.	RUSSELL	25-14-15\V	DECEMBER 17, 1999	MARCH 28, 2000 APPROVED	JULY 24, 1999	OTHER
	CER 129910	ADAMS 2-31	R.C. TAYLOR COMPANIES	MEADE	31-34-30V	DECEMBER 22, 1993	MAY 17, 2000 APPROVED	OCTOBER 29, 1999	RECOMPLETION
_	CER 129911	BARNES 1-30	AMERICAN WARRIOR , INC.	COMANCHE	30 12-19W	DECEMBER 21, 1999	MAY 30, 2000 APPROVED	NOVEMBER 6, 1999	307
m	CER 1002	STEVENS A 1H	CHRADAMA	HASKELL	17-30-34W	JANUARY 10, 2000	JULY 24, 2000 APPROVED	OCTOBER 22, 1999	COMPRESSION
رب	CER 1003	ANDERSON A #4	VESS C/L CORPORATION	GRAHAM	t0-10-24W	JANUARY 10, 2000	APRIL 11, 2000 APPROVED	DECEMBER 18, 1990	RECOMPLETION
-:-	CER 1034	PEPPERD 1-35	MIDCO EXPLORATION	COMANCHE	35-32-1EW	JANUARY 18,2000	FEBRUARY 29, 2000 APPHOVED	JANUARY 3, 2000	3D
ch	CER 1005	PEPPERD 1-2 OWNO	R.J. PATRICK OPER. CO.	COMANCHE	4-32-197/	JANUARY 24, 2000	MAY 33, 2000 APPROVED	JANUARY 4, 2000	3D
W.i	CER 2001	MINOR 1-31	MIDCO EXPLORATION	COMANCHE	2-33-18V/	JANUARY 31, 2000		JANUARY 21, 2000	RECOMPLETION
	CER 2002	INTERSTATE 1-10	ANADARKO	MORTON	31-33-41W	FEBRUARY 14, 2000	JULY 24, 2000 APPROVED	JANUARY 5, 1999	RECOMPLETION
	CER 2003	MARJORIE H 19-1	ANADARKO	MORTON	10-34-43IV	FEBRUARY 14, 2000	JULY 24, 2000 APPROVED	JAN'JARY 13, 1999	RECOMPLETION
ن	CER 2004	SCHOENTHALER 32-1	IMPERIAL AMERICAN OIL IMPERIAL AMERICAN OIL	ELLIS	19-11-19 \ V	FEBRUARY 15, 2000	MAY 18, 2000 APPROVED	DECEMBER 6, 1999	30
\mathcal{C}	CER 2005	SMITH 1-8	ANADARKO	ELLIS	32-11-20W	FEBRUARY 16, 2000	APRIL 25, 2001 APPROVED	FEBRUARY 2, 2000	3D RECOMPLETION
ت	CER 2006	DAVIES 2-6	ANADARKO	MORTON	8-34-43W	FEBRUARY 16, 2000	JULY 24, 2000 APPROVED	FEBRUARY 3, 2000 FEBRUARY 12, 1999	RECOMPLETION
	CER 2007	SHARP B 1	ANADARKO	SEWARD MORTON	6-34-31W	FEBRUARY 16, 2000	JULY 24, 2000 APPROVED	DECEMBER 2, 1993	COMPRESSION
\sim	CER 3001	BRECHEISEN A-1	ANADARKO	STEVENS	12-35-43W	FEBRUARY 17, 2000	AUGUST 21, 2000 APPROVEO SEPTEMBER 6, 2000 APPROVED	JANUARY 13, 2000	RECOMPLETION
	CER 3002	EASTIN A 1	BELPORT OIL, INC	LANE	16-35-38W 18-19-27W	MARCH 1, 2000	MAY 25, 2000 APPROVED	MAY 6, 1999	3D
_=	1000	MILLS A 33	VESS O'L CORPORATION	BUTLER	22-25-05E	MARCH 6, 2000 MARCH 14, 2000	MAN EN ZONG REPROSED	0, 1203	~ ~
	0.4	MILLS A 38	VESS OIL CORPORATION	BUTLER	22-25-05E	MARCH 14, 2000			
1	05	MLP MURPHY 1-3	CHESAPEAKE OPER, INC.	HASKELL	3-30-34W	MARCH 16, 2000	JUNE 7, 2000 APPROVED	DECEMBER 19, 1935	30
, S		MLP STUBBS 1-11	CHESAPEAKE OPER, INC	GRANT	11-30-35\V	MARDH 16, 2000	JUNE 7, 2000 APPROVED	FEBRUARY 6, 1999	30
	CER 3007	MLP LESUE 1-26	CHESAPEAKE OPER, INC.	HASKELL	28-29-34W	MARCH 18, 2000	JUNE 20, 2000 APPROVED	JANUARY 25, 1999	30
	CER 3009	MLP BLACK 1-2	CHESAPEAKE OPER, INC.	HASKELL	2-30-34W	MARCH 16, 2000	JUNE 20, 2003 APPROVED	MAY 7, 1959	30
	CER 3000	MLP CLAWSON TRST 2-35	CHESAPEAKE OPER, INC.	HASKELL	25 00 2441			www.new.unit fertilization.	

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	GER 30010	MCFALL 1	JOHN O FARMER, INC.	PRATT	28-29-13W	MARCH 20, 2000	JUNE 7, 2000 APPROVED	JANUARY 27, 2000	RECOMPLETION 6
	CER 30011	GRAEF# 2	MULL DRILLING CO. INC.	LANE	9-17-2BW	MARCH 21, 2003	CEVORPRA CCCC 29. BY DILL	MARCH 13, 2000	30
	C£R 30012	VORAN 1	AZTEC OIL COMPANY	KINGMAN	15-29-07W	MARCH 21, 2000	JUNE 20, 2000 APPROVED	JANUARY 31, 2000	RECOMPLETION
	CER 30013	VORAN 2	AZTEC OIL COMPANY	KINGMAN	15-29-07W	MARCH 21, 2000	JUNE 20, 2000 APPROVED	JANUARY 13, 2000	RECOMPLETION
_	CER 30014	HJV MILLER A 1	ANADARKO	STEVENS	28-32-35W	MARCH 27, 2000	JULY 3, 2000 APPROVED	MARCH 8, 2000	30
	CER 4001	KOHL 1-19	MURFIN DRILLING CO. INC.	ELLIS	19-11-19W	APRIL 5, 2000	JUNE 29, 2000 APPROVED	JANUARY 12, 2000	30
	CER 4002	WILLIAM UNIT 2-32	MURFIN DRILLING CO. INC.	CHEYENNE	32-02-41W	APRIL 5, 2000	JUNE 30, 2000 APPROVED	NOVEMBER 17, 1999	3D
	CER 4003	HJV BAUGHMAN C 1	ANADARKO	SEWARD	16-31-34V/	APRIL 6, 2000	AUGUST 21, 2000 APPROVED	MARCH 14, 2000	3D
	CER 4004	ADAMS 1	R. C. TAYLOR COMPANIES	SEVIARD	25-34-31V/	APRIL 14, 2000	OCTOBER 2, 2000 APPROVED	FEBRUARY 17, 2000	RECOMPLETION
	CER 4005	NUSSER 1	BECKER OIL CORPORATION	HASKELL	3-27-03W	APRIL 19, 2000		HOUSE HEED 10 1000	RECOMPLETION
	CER 4003 CER 5001	KINZIE 5	JOHN D FARMER, INC.	PRATT	73-29-13W	APRIL 28, 2000	JULY 19, 2000 APPROVED	NOVEMBER 10, 1999	SURFACE EQUIP NOD
	CER 5002	EMERICK A 2	H & B PETROLEUM CORP.	COMANCHE	24-31-18\V	MAY 9, 2000	OCTOBER 9, 2000 APPROVED OCTOBER 9, 2000 APPROVED	FEBRUARY 2, 2000 FEBRUARY 11, 2000	SURFACE EQUIP MOD
	CER 5003	KANE A 1 HORACE 1-17	H & B PETROLEUM CORP. EAGLE CREEK CORP	KIDIVA	17-30-16\V	MAY 9, 2000	OCTOBER 9, 2000 AFFROVED	TEBROART II, 2000	CONTROL EQUIL 1405
	CER 5004	TODD 1-3	MIDCO EXPLORATION	MEADE COMANCHE	17-34-29W 3-33-28W	MAY 10, 2000 MAY 22, 2000	AUGUST 29, 2000 APPROVED	MAY 10, 2000	RECOMPLETION
	CER 5005	STERLING FISCHER 1-5	MURFIN DRILLING CO. INC	ELLIS	5-t1-20W	MAY 24, 2000	AUGUST 29, 2000 APPROVED	MAY 10, 2000	DD .
	CER 5006	KENMARK FISCHER 1-5	MUREIN DRILLING CO. INC	ELLIS	5-11-20W	MAY 24, 2000	AUGUST 28, 2000 APPROVED	MARCH 7, 2000	JD
	CER 50/17	PARSLOW 1-11	ANADARKO	MORTON	11-34-42W	MAY 26, 2000	AUGUST 29, 2003 APPROVED	JULY 17, 1993	RECOMPLETION
	CER 5008	MLP CLOSE A 1	DXY USA, INC	STEVENS	34-31-39W	MAY 30, 2000	OCTOBER 2, 2000 APPROVED	APRIL 12, 2003	3D
	CER 5009	MLP FORD A 1	OXY USA, INC	STEVENS	10-32-39%	MAY 30, 2000	SEPTEMBER 15, 2000 APPROVED	MARCH 17, 2000	3D
	CER 50010 CER 50011	MLP CORNELL UNIV B 1	OXY USA, INC	STEVENS	15-32-394/	MAY 30, 2000	SEPTEMBER 15, 2000 APPROVED	FEBRUARY 16, 2000	3D 3D
	CER 50012	WARD D 1 WARD D 7	OXY USA, INC	HASKELL	24 27-34W	MAY 30, 2000	OCTOBER 2, 2000 APPROVED	APRIL 23, 2000 MAY 10, 2000	3D
	DER 50013	FREY F 2	OXY USA, INC OXY USA, INC	HASKELL HASKELL	24-27-34\	MAY 33, 2000	OCTOBER 2, 2000 APPROVED OCTOBER 5, 2000 APPROVED	DECEMBER 3, 2000	3D
	CER 50014	FREY F3	OXY USA, INC	HASKELL	13-27-34Vi 13-27-34VV	MAY 30, 2000 MAY 30, 2000	OCTOBER 5, 2000 APPROVED	JANUARY 12, 2000	30
	CER 50015	FREY F 5	OXY USA, INC	HASKELL	13-27-34V	MAY 30, 2000	OCTOBER 5, 2000 APPROVED	MARCH 13, 2000	3D
	CER 50018	FREY F 6	OXY USA, INC	HASKELL	13-27-3414	MAY 30, 2000	OCTOBER 5, 2000 APPROVED	MARCH 28, 2000	3D
	CER 50317	FREY F 7	OXY USA, INC	HASKELL	13-27-34:N	MAY 30, 2000	OCTOBER 5, 2000 APPROVED	MAY 10, 2000	30
	CER 50018	MOODY D 2	DXY USA, INC	HASKELL	15-27-34W	MAY 30, 2000	OCTOBER 25, 2000 APPROVED	MARCH 27, 1999	30
	CER 50019 CER 50020	BRINKMAN C 2	OXY USA, INC	HASKELL	23-27-34W	MAY 30, 2000	OCTOBER 25, 2000 APPROVED	JANUARY 15, 2000	30
	CER 50021	MORISSEE 1-3	ANADARKO	MORTON	3-34-43W	MAY 30, 2000	OCTORER 25, 2000 APPROVED	OCTOBER 14, 1999	RECOMPLETION
	CER 50022	KANSAS REGENTS 2-15 DALE 3	ANADARKO M-DCO EXPLORATION	HOTROM	15-34-42W	MAY 30, 2000 MAY 30, 2000	OCTOBER 25, 2000 APPROVED	JULY 15, 1998 MAY 10, 2003	RECOMPLETION 3D
	CER 6001	MURPHY 1-33	ANADARKO	COMANCHE MORTON	34-32-18W 33-32-42W	JUNE 1, 2000	OCTOBER 25, 2000 APPROVED OCTOBER 25, 2000 APPROVED	MAY 2, 1999	RECOMPLETION
	CER 6002	KRIBS 2-26	RED OAK ENERGY, INC.	GREELEY	26-18-42V/	JUNE 5, 2000	OCTOBER 25, 2000 APPROVED	JULY 9, 1999	3D
1	CER 6003	RATZLAFF B-2	ANADARKO	STEVENS	32-33-38W	JUNE 8, 2000	OCTOBER 25, 2000 APPROVED	OCTOBER 26, 1998	RECOMPLETION
,	CER 6004	G!NTHER-HAGEN 1-17	MUREIN DRILLING CO. INC.	EILIS	17-11-19W	JUNE 9, 2000	OCTOBER 25, 2000 APPROVED	MAY 30, 2000	3D
	CER 6005	VANTAGE 31-1	IMPERIAL AMERICAN OIL	EŁUS	31-11-20W	JUNE 9, 2000	OCTOBER 25, 2000 APPROVED	APRIL 15, 2000	30
	CER 6006	KIRKPATRICK 2-14	VESSION CORPORATION	BUTCER	18-26-DSW	JUNE 12, 2000	DECEMBER 6, 2000 APPROVED	APRIL 6, 15:28	RECOMPLETION
	CER 6007	HALL BO	VESS OIL CORPORATION	ELLIS	26-11-175V	JUNE 12, 2000	DECEMBER 6, 2000 APPROVED	MARCH 16 2000	OTHER
	CER 6008 CER 6009	BROWN-SCIALLY A 1	VESS OIL CORPORATION	BUTLER	16-28-04W	JUNE 12, 2000	DECEMBER 6, 2000 APPROVED	AUGUST 6, 1999	SURFACE EQUIP MOD
	CER 60010	WHEELER 1 BERTHA UNIT 3-32	TGT PETROLEUM CORP	KIOWA	3-26-19W	JUNE 22, 2000	OCTOBER 5, 2000 APPROVED	JANUARY 31, 2000	RECOMPLETION
	CER 60011	GREGG F-7	MURFIN DRILLING CO. INC. ANADARKO	CHEYENNE	32-02-41W	JUNE 18, 2000	DECEMBER 6, 2000 APPROVED	MAY 30, 2000	3D RECOMPLETION
	XX 60072	KASSELMAN 1	VINCENT OIL CORP	HASKELL KIOWA	4-29-34W	JUNE 22, 2000	DECEMBER 6, 2000 APPROVED DECEMBER 15, 2000 APPROVED	APRIL 7, 1999 MARCH 17, 2000	SURFACE EQUIP MOD
C	ER 60013	VARNER A 40	VESS OIL CORPORATION	BUTLER	10-23-17\V 17-28-04E	JUNE 23,2000 JUNE 28, 2000	DECEMBER 15, 2000 APPROVED	JULY 16, 1993	RECOMPLETION
	ER 60014	UMMEL 4-H	MULL DRILLING CO. INC.	NESS	2.3-18-24W	JUNE 28, 2000	DECEMBER 15, 2000 APPROVED	MAY 1, 2000	HORIZONTAL
	CR 60015	ZERENER 1-A	D.S. LANGSTON	SUMNER	B-31-3W	JUNE 28, 2000	NOVEMBER 28, 2000 APPROVED	JANUARY 26, 2000	RECOMPLETION
	ER 80016	YUNCKER 6-14	AŁADARKO	HASKELL	14-29-34W	JUNE 30, 2000	DECEMBER 15, 2000 APPROVED	OCTOBER 23, 1999	RECOMPLETION
	DER 7001 DER 7002	COLTER 1	GRAVES DRILLING CO.INC.	COMANCHE	11-33-19W	JULY 7, 2000	DECEMBER 13, 2000 APPROVED	JUNE 28, 2000	3D
	ER 7003	HJV MOORE A 1	ANADARKO	HASKELL	22-28-34W	JULY 10, 2000	DECEMBER 13, 2000 APPROVED	JUNE 12, 2000	3D
	CER 7004	SERIGGS A 2	MULL DRILLING CO. INC.	LANE	21-17-27W	JULY 24, 2000	DECEMBER 13, 2000 APPROVED	JULY 7, 2000	RECOMPLETION
	ER 7005	DONALD HERD 2-10	R.J. PATRICK OPER, CO.	BARBER COMANCHE	32-33-13W 10-33-19W	JULY 24, 2000 JULY 24, 2000	DECEMBER 14, 2000 APPROVED DECEMBER 15, 2000 APPROVED	JULY 2, 1999 JULY 12, 2000	RECOMPLETYON JD
C	ER 7008	GARRISON C 1	DXY USA INC	HASKELL	22-27-34W	JULY 31, 2000	DECEMBER 15, 2000 APPROVED	JULY 70, 2000	30
	ER 7007	MLP SHANK A 1	DXY USA INC	STEVENS	31-31-39W	JULY 31, 2000	DECEMBER 15, 2000 APPROVED	JULY 8, 2000	JD
	ER 7003	GARRISON B 1	OXY USA INC	HASKELL	22-27-34W	JULY 31, 2000	DECEMBER 15, 200) APPROVED	MAY 11, 2000	CIC
	ER 7009 ER 70010	GARRISON B 2	OXY USA INC	HASKELL	22-27-34\4	AUGUST 7, 2000	DECEMBER 15, 2000 APPHOVED	JUNE 2, 2000	30
	ER 70011	SCHUH A 1	OXY USA INC	HASKELL	27-27-34-7	JULY 31, 2003	DECEMBER 15, 2000 APPROVED	JUNE 22, 2000	3D
	DER 70012	SLEEPER DEWERFF 1'A'	BELPORT OVE, INC.	LANE	18-19-27W	JULY 28, 2000	HOVEMBER 29, 2000 APPROVED	MAY 1, 2000	30
	ZR 8001	NOVOTNY 1 BOLES F 5	JOHN O, FARMER INC	PRATT	21-29-13W	JULY 23, 2000	OECEMBER 6, 2000 APPROVED	APRIL 24, 2000	RECOMPLETION 30
	ER 8032	SPRIGGS D 1	ANADARKO VVOOLSEY PETROLEUM	SEWARD	2-35-34W	AUGUST 2, 2000	DECEMBER 18, 2000 APPROVED DECEMBER 15, 2000 APPROVED	JUNE 30, 2000 MAY 29, 1593	RECOMPLETION
	EH 8003	COUNTRY CLUB 1	WOOLSEY PETROLEUM	BARBER PRATT	33-33-13W 10-28-13W	AUGUST 4, 2000	DECEMBER 15, 2000 APPROVED	SEPTEMBER 16, 1998	SURFACE EQUIP MOD
C	ER 8004	SLEEPER 1	DIXON-DEARMORE OIL OO	STAFFORD	9-22-11W	AUGUST 4, 2000 AUGUST 8, 2000	DECEMBER 18, 2000 APPROVED	DECEMBER 21, 1999	RECOMPLETION
C	ER 6005	VIHITE 3-10	ANADARKO	HASKELL	10-29-34W	AUGUST 11, 2000	DECEMBER 19, 2000 CANCELED	ECOLINEZII II.	CANCELED
	ER BOOK	SHAFER D 2	ANADARKO	STEVENS	39-32-39W	AUGUST 16, 2000	DECEMBER 18, 2000 APPROVED	JULY 13, 2000	30
	ER 8307	GEE 1	YOUNGER ENERGY CO	PRATT	7-26-137/	AUGUST 17, 2000	DECEMBER 19, 2000 APPROVED	OCTOBER 12, 1999	SECONDARY RECOVERY
С	ER 8303	GEE 4	YOUNGER ENERGY CO	PRATT	7-26-1317/	AUGUST 17, 2000	DECEMBER 19, 2000 APPROVED	OCTOBER 12, 1939	SECONDARY RECOVERY
	9009	GEE 5	YOUNGER ENERGY CO	PRAIT	7-26-1317	AUGUST 17, 2000	DECEMBER 19, 2000 APPROVED	OCTOBER 12, 1939	SECONDARY RECOVERY
	80010	PRESCO A 3	OXY USA INC	HASKELL	25-27-34W	AUGUST 18, 2000	DECEMBER 19, 2003 APPROVED	JULY 28, 2000	3D
	80011 <r 60012<="" td=""><td>MEP CLOSE B 1</td><td>OXY USA INC</td><td>STEVENS</td><td>10-37-39\\</td><td>AUGUST 18, 2000</td><td>DECEMBER 20, 2000 APPROVED</td><td>AUGUST 11, 2000</td><td>3D</td></r>	MEP CLOSE B 1	OXY USA INC	STEVENS	10-37-39\\	AUGUST 18, 2000	DECEMBER 20, 2000 APPROVED	AUGUST 11, 2000	3D
	ER 80013	KELLS D 1 ZEIGLER A 1	OXY USA INC	HASKELL	27-27-34W	AUGUST 18, 2000	DECEMBER ZO, 2000 APPROVED	JULY 26, 2000	3D
	ER 80014	SANDERS 3	MULL DRILLING CO. INC.	KIONA	28-27-20W	AUGUST 18, 2000	DECEMBED IN 1000 MIRROWED	May 2, 2002	RECOMPLETION
	ER 80015	SELFRIOGE A 1	MULL DRILLING CO. INC. MULL DRILLING CO. INC.	HARPER	6-31-08W	AUGUST 18, 2000	DECEMBER 20, 2003 APPROVED	MAY 3, 2000 JANUARY 27, 2000	RECOMPLETION
	ER 80016	BANTA A 7	MULL DRILLING CO. INC.	LAME	16-17-27W	AUGUST 18, 2000	DECEMBER 20, 2000 APPROVED	270407011 27, 2003	NEO JAN CE NON
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Wichita

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	CER 80017	TERMILIGER NE UNIT 1	MULL DRILLING CO INC.	0100012					
	S1008 R30	TERWILLIGER NE UNIT 3		LANE	36-16-29\4	AUGUST 18, 2000			
	CER 60019	CITY OF LIBERAL "C" 1	more of the co. II to.	LANE	36-16-29.V	AUGUST 19, 2000	DECEMBER 20, 2000 APPROVED	JUNE 1, 1999	SECONDARY RECOVERY
	CER 80020	LONN'ET 14	ANADARKO	SEWARD	38-34-34W	AUGUST 28, 2000	5-52m5211 23, 2500 711 1 1150 20	JOHE 1, 1889	SECONDARY RECOVERY
_/	CER 80021		MULL DRILLING CO. INC.	LANE	4-17-26NV	AUGUST 28, 2000			
	CER 80022	GREGG F 9	ANADARKO	HASKELL	4-29-34W	AUGUST 30, 2000			
	CER 80023	GREGG F 12	ANADARKO	HASKELL	4-20-34W	AUGUST 30, 2000			
	CER 80024	GREGG F 11	ANADARKO	HASKELL	4-29-34W				~ i
		GREGG F 10	ANADARKO	HASKELL	4-29-34VV	AUGUST 30, 2000			
	CER 9001	RATCLIFF 8 1	ANADARKO	STEVENS	18-33-37VV	AUGUST 33, 2000			9
	CER 9002	FISCHER HEIRS 1-4	MURFIN DRILLING CO. INC.	ELLIS	4-11-20W	SEPTEMBER 0,2000			
	CER 9003	HANKS 1	MULL DRILLING CO. INC.	LANE	20-17-27W	SEPTEMBER 7, 2000			
	CER 9004	HANKS B 1	MULL DRILLING CO. INC.	LANE		SEPTEMBER 13, 2000			
	CER 9005	SHYDER 2	MULL DRILLING CO. INC.	HESS	21-17-27*	SEPTEMBER 13, 2000			
	CER 9006	MURPHY D 2	ANADARKO		11-16-26W	SEPTEMBER 13, 2000			
	CER 9007	MILLS 2	MULL DRILLING CO. INC.	HASKELL	34-29-34W	SEPTEMBER 13, 2000			
	CER 9008	PFEIFER 1-8	MURFIN DRILLING CO. INC.	BARBER	24-32-14W	SEPTEMBER 14, 2000			
	CER 9009	TEET-BILL :	HESS OIL COMPANY	ELL/5	8-11-20'A'	SEPTEMBER 15, 2000			
	CER 90010	TJADEN A Z	MULL DRILLING CO. INC	ELLIS	2-11-19W	SEPTEMBER 29, 2000	DECEMBER 7, 2000 APPROVED	FEBRUARY 22, 2000	3D
	CER 10001	MEYER 10-7		KINGMAN	33-30-8W	SEPTEMBER 29, 2000			30
	CFR 10002	MEYER 10-B	PETROSANTANDER	FINNEY	10-23-31W	OCTOBER 10, 2000	NOVEMBER 29, 2000 APPROVED	E921 .81 TZ1JDUA	30
	CER 10003	SHERMAN 8	PETROSANTANDER	FINNEY	10-23-3114	OCTOBER 10, 2000	NOVEMBER 29, 2000 APPROVED	OCTOBER 18, 1999	30
	CER 10004	MACKEY 7	PETROSANTANDER	FINNEY	11-23-31W	OCTOBER 10, 2000	NOVEMBER 29, 2003 APPROVED	SEPTEMBER 17, 1990	30
	CER 10005		PETROSANTANDER	FINNEY	12-23-31W	OCTOBER 10, 2000	NOVEMBER 29, 2003 APPROVED	NOVEMBER 17, 1999	
	CER 10006	MACKEY 8	PETROSANTANDER	FINNEY	12-23-31W	OCTOBER 10, 2000	HOVEMBER 29, 2000 APPROVED		3D
	CER 10007	MACKEY 9	PETROSANTANDER	FINNEY	12-23-31\	OCTOBER 10, 2000	NOVEMBER 29, 2000 APPROVED	DECEMBER 20, 1999	3D
	CER 10003	BULGER 7-11	PETROSANTANDER	FINNEY	7-23-30 V	OCTOBER 10, 2000		AUGUST 21, 2000	3D
	CER 10009	BULGER 7-13	PETROSANTANDER	FINNEY	7-23-30 V	OCTOBER 10, 2000	NOVEMBER 29, 2000 APPROVED	OCTOBER 18, 1939	3D
	CER 100010	PAULS 9-7	PETROGANTANDER	FINNEY	9-23-31W		HOYEMBER 29, 2000 APPROVED	HOYBRER 19, 1999	3D
	CER 100011	SCOTT 4-10	PETROSANTANDER	FINNEY	4-23-31W	OCTOBER 10, 2000	NOVEMBER 29, 2000 APPROVED	JUNE 20, 2000	30
		TURRENTINE 10-1	PETROSANTANDER	FINNEY	10-23-317/	OCTOBER 10, 2000	NOVEMBER 29, 2000 APPROVED	MAY 19, 2000	30
	CER 100012	TILLER A 1	ANADARKO	HASKELL	10-29-34NV	OCTOBER 10, 2000	NOVEMBER 29, 2000 APPROVED	SEPTEMBER 20, 2000	JD.
	CER 100013	CHARLES 2-12	ANADARKO	HASKELL		OCTOBER 11, 2000			
	CER 100014	MYERS TRUST 1-30X	MURFIN DRILLING CO. INC.	CHEYENNE	12-29-34W	OCTOBER 10, 2000			
	CER 100015	H M WRIGHT 1	VINCENT OIL CORP		30-2-4 rv	OCTOBER 17, 2000			
(CER 1000111	VADA BELLE UNIT 18-1	IMPERIAL AMERICAN OXL	KIOWA	24-29-19W	OCTOBER 25, 2000			
(CER 100017	WAGNON 1-9		ELLIS	18-11-19\4	OCTOBER 29, 2000			
(CER 100018	LYTLE 1-17	AMERICAN WARRIDR INC	DOMANCHE	9-33-18-V	OCTOBER 30, 2000			
(CER 100019	KERSTETTER 2-33	AMERICAN WARRIOR INC	COMANCHE	17-33-18.V	OCTOBER 30, 2000			
	CER 100020	BEELEY 1	AMERICAN WARRIOR INC	COMANCHE	33-32-19'A'	OCTOBER 30, 2000			
	ER 100021		AMERICAN WARRIOR INC	COMANCHE	10-33-18W	OCTOBER 30, 2000			
		CARTHRAE 1-4	AMERICAN WARRIOR INC	COMANCHE	4-33-16NV	OCTOBER 30, 2000			
						50. CEC. 35, 2000			

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	Kansas Oil Production in 12 SW Kansas Counties									
County	1995	1996				1st 5 mo. Of				
Hamilton			1997	1998	1999	2000				
Wichita	_ 867	6,576	4,251	1,827	2,043	2,334				
	42,508	42,774	45,803	52,121	39,370	48,653				
Greeley	261,977	276,120	171,361	148,319	144,863	129,652				
Gray	135,623	123,747	113,930	108,835	106,337	77,551				
Grant	599,335	488,585	428,383	322,937						
Haskell	1,870,143	2,204,939	2,413,976		296,599	198,616				
Finney	2,581,087	2,564,709		1,905,297	1,703,268	1,576,188				
Kearney	650,812		2,548,026	2,731,365	2,888,197	1,751,018				
Morton		528,003	432,364	399,215	347,296	235,818				
Stevens	1,136,056	861,237	721,351	676,139	650,282	387,143				
	681,613	560,899	439,137	403,752	453,328	368,227				
Stanton	573,697	691,487	504,472	363,013	277,176	239,371				
Seward	1,751,540	1,453,104	1,141,448	1,179,670	856,636	537,382				
otals	10,285,258	9,802,180	8,964,502	8,292,490	7,765,395	5,551,953				

Source: Kansas Geological Survey

ST. OF KANSAS
Bill Graves, Governor

Customer Relations
Mineral Tax Section
Kansas Department of Revenue
915 SW Harrison St.
Topeka, KS 66625



DEPARTMENT OF REVENUE
Stephen S. Richards, Secretary

(785) 296-7713 FAX (785) 296-2073 Hearing Impaired TTY (785) 296-6461

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FROM:

LARRY NEWMAN

KANSAS DEPARTMENT OF REVENUE, CUSTOMER RELATIONS

PHONE: 785 296 5447

FAX:

785 296 4993

This is in response to your Incremental Exemption inquiry.

These figures are for 1/1/2000 through 8/30/2000.

Exempt Production

Exempt Value

Exempt Tax

Oil 228

228,325 bbls

\$6,320,726

\$273,687

Gas

2,309,145 mcf's

\$7,085,978

\$306,823

SENATE COMMITTEE ON UTILITIES

Tuesday, February 6, 2001

SENATE BILL No. 51

TESTIMONY OF
Robert E. Krehbiel, Exec V.P.
Kansas Independent Oil & Gas Association

Mr. Chairman and Members of the Committee:

My name is Robert E. Krehbiel and I am appearing on behalf of the Kansas Independent Oil & Gas Association. Kioga was organized 65 years ago to represent the interests of the many independents who explore for and produce oil and gas in Kansas. We are appearing in support of SB 51 to amend K.S.A. 79-4217.

K.S.A. 79-4217 includes a severance tax exemption for a period of seven years given to the incremental production resulting from a production enhancement project begun on or after July 1, 1998. Qualifying enhancement projects are defined by statute and rules and regulations have been developed by the Kansas Corporation Commission. Qualifying projects include workovers, re-completions, secondary recovery projects, the addition of mechanical devices to dewater a gas or oil well, replacement or enhancement of surface equipment, installation or enhancement of compression equipment, and new discoveries resulting from the use of new technology such as three dimensional seismic. Incremental severance and production is defined as production in excess of base production. Base production is the average monthly amount of production for the 12-month period immediately prior to the project beginning date, minus the monthly rate of production decline. The monthly rate of production decline would be determined with reference to the same 12-month period used to determine the base production. The monthly rate of production decline is the decline that would have occurred except for the enhancement project. The credit does not apply in any fiscal year if in the preceding calendar year the price exceeded, in the case of oil, \$20 per barrel; or, in the case of natural gas, \$2.50 per Mcf.

The purpose of this severance tax exemption was to incent investment in the kinds of enhanced production cited in the statute, to increase production, prevent waste and create jobs and the associated economic activity which results. This exemption has been very effective and has been utilized by various independent oil and gas producers. Recent price increases above the price limitations have eliminated the use of this incentive to exploration.

The severance tax in addition to the property tax is a major disincentive to exploration and production in Kansas. We believe that the severance tax should be eliminated in its entirety.

The exploration and production component of the Kansas industry and the Kansas resource base can no longer support the severance tax. It is a tax from a bygone era which, when coupled with the ad valorem tax, creates an effective tax rate which is three times higher than for that of any other industry in Kansas. This combination of taxes is punitive in nature, imposed at a time when investments in oil and gas exploration would yield a competitive rate of return. Since inception of the tax the industry has lost over 10,000 employees, over 165 fewer rigs are operating and production continues to decline. The exploration and production component of the oil and gas industry has been decimated by a decade and a half of low wellhead prices.

Maintaining the viability of the incremental production exemption to the severance tax is critical to continue to incent enhancement activity in the State of Kansas. A recent study commissioned by the Interstate Oil and Gas Compact Commission indicates that such incentives pay off for the States economy. States receive up to \$39 in increased gross output for each incentive dollar granted. Up to \$5.20 in new salaries is generated for each tax dollar the industry keeps. The typical oil and gas incentive attracts about \$1.098 billion in investment activity during its life and creates 6,000 work years. A copy of the IOGCC Briefing Paper with Key Findings from the study is attached.

We encourage you to pass SB 51. Thank you very much for your consideration.



IOGCC Briefing Paper

An Issue Summary from the Interstate Oil and Gas Compact Commission (IOGCC)

KEY FINDINGS

From the IOGCC's 1998 report on state oil and gas incentive programs,

Investments in Energy Security

- · State and local tax collection streams get back \$2.27 for every dollar invested in tax credits.
- States receive up to \$39 in increased gross output for each incentive dollar granted. Up to \$5.20 in new salaries is generated for each tax dollar the industry keeps.
- The typical oil and gas incentive <u>attracts about \$1.098 billion in investment activity</u> during its life and <u>creates 6,000 years of work</u>.
- · For the 17 state incentive programs studied:
 - " Approximately \$18 billion in final demand was associated with the work.
 - " Over 100,000 years of employment were attached.
 - " Over \$920 million in net additional state taxes were associated with the efforts.
 - " The federal government received over \$400 million in income tax payments."
 - " People were paid \$2.5 billion in salaries to do the work.
- The oil and gas investment and production activity involved with these 17 incentives creates over \$16 billion per year in economic impact.
- <u>Salaries are among the highest</u> in any sector. For example, average earnings per oil and gas job in Montana equals \$32,380—considerably above the statewide average of \$20,500 for all industries and \$25,679 for the manufacturing sector.
- Each job created by the oil and gas industry <u>results in an average 2.3 additional indirect</u> <u>jobs</u> being created in other economic sectors.
- States receive a <u>net annual tax gain of \$530 million</u> on the investment in taxes distributed as incentives.
- Among the additional, immeasurable benefits is the positive atmosphere created for oil and gas investment. Just as the United States competes with other countries to lure industrial investment, so must the United States aggressively compete with other countries to attract petroleum industrial investment. A company will invest where it is most welcome if by financial incentives or a government attitude that appreciates the investment dollars.

CHARLES B. WILSON TESTIMONY BEFORE THE SENATE UTILITIES COMMITTEE FEBRUARY 6, 2001

My name is Charles B. Wilson and I am a vice president with BEREXCO INC., an independently owned oil and gas exploration and production company headquartered in Wichita. BEREXCO currently employees over 300 personnel and we operate nearly 1000 oil and gas wells in 44 Kansas counties.

As you know current legislation provides a seven year exemption from severance tax on oil and gas production increases, or incremental production, which result from investments in production enhancement projects. Such qualified projects after July 1, 1998 include: workovers of wells; recompletions into a different producing zone within the same well bore; secondary recovery projects; adding dehydration equipment; replacing or enhancing surface equipment; adding compression for gas wells; and new discoveries as a result of new exploration technology.

The severance tax, as is true with any tax related to a business activity, reduces the cash flow from that activity. We at BEREXCO saw the value of this tax incentive to re-invest cash flow into enhancing our existing production. Granted the paper work requirements are somewhat burdensome and many producers have been slow to take advantage of this exemption, we at BEREXCO have been proactive in our business decisions regarding the availability of the credit. Following are some facts of our activity since the exemption was made effective July 1, 1998:

1998 (after 7/1/98) - 10 wells were enhanced

1999 - Spent ~\$500,000 enhancing 39 wells. A year later, oil production is up 115 BPD 2000 - Spent \$2,728,000 enhancing 117 oil wells and 63 gas wells.

not meet the qualifications for the severance tax exemption. 105 applications have been sent to the KCC for approval, of which 6 have now been approved. The remaining 76 applications are in various stages of internal preparation at BEREXCO.

As our production has increased due to investing in projects, additional revenue has accrued to us, and a significant portion of the total investment has been recouped. The incremental impact will not only benefit us. Jobs have been created and the local economies have felt the multiplier effect from project dollars spent by us. Royalty owners have received increased revenues from the production increases, while not bearing any of the cost of the projects. Additional county ad valorem taxes have or will increase and certainly additional state income taxes have been or will be paid as a result of our investments.

Pursuant to the price caps in the existing provisions of the exemption rules, it appears we will lose this credit for the next year. The loss of the credit, not only affects the economics of the projects already completed, but creates a disincentive for entering into new projects.

Among other modifications to the statute which we also support, SB 51 removes these price caps. We encourage your support of SB 51 so we can continue evaluating possible projects without having to worry about losing this incentive. I believe every party will be a net winner with the passage of this bill.

HEIN AND WEIR, CHARTERED

Attorneys at Law
5845 SW 29th Street, Topeka, KS 66614-2462
Telephone: (785) 273-1441
Telefax: (785) 273-9243

Ronald R. Hein Email: rhein@hwchtd.com

Stephen P. Weir*
Email: sweir@hwchtd.com
*Admitted in Kansas & Texas

Testimony re: SB 51
Senate Utilities Committee
Presented by Ronald R. Hein
on behalf of
Pioneer Natural Resources U.S.A., Inc.
February 6, 2001

Mr. Chairman, Members of the Committee:

My name is Ron Hein, and I am legislative counsel for Pioneer Natural Resources USA, Inc. Pioneer is one of the largest independent exploration and production oil and gas companies in North America, with major natural gas production in the Hugoton field in Southwest Kansas.

Pioneer supports SB 51. Specifically, Pioneer supports the removal of the cap on the price of gas in K.S.A. 79-4217(b)(6)(D), at page 6, lines 25-31, and the addition of the two new exemptions set out in K.S.A. 79-4217(b)(6)(A)(4)(viii) and (ix), at page 5, line 43, and page 6, lines 1-5.

Pioneer supports these changes because anything that the State of Kansas can do to remove disincentives to increase production of oil and gas, either from new technologies or otherwise, will be positive to the citizens of Kansas and this nation. Kansas' tax structure which includes a 4.33% severance tax on oil and gas in addition to ad valorem tax, which is based upon production, results in taxes higher than other oil and gas producing states. When companies are choosing where to invest their money in enhanced recovery projects or other expensive technological methodologies for increasing or finding new production, Kansas' combined severance and ad valorem tax operates as a disincentive to invest in Kansas.

Because you are hearing from other producers regarding the details of enhanced recovery and SB 51, we will not repeat those here, but will simply indicate our support for the passage of this bill.

Thank you very much for permitting me to submit this written testimony, and if you have any questions, I will be available to respond to them.

Senate Utilities Committee February 6, 2001 Attachment 7-1

Statement of Erick E. Nordling, Executive Secretary Southwest Kansas Royalty Owners Association Hugoton, Kansas 67951

February 6, 2001

To the Honorable Members of the Senate Committee on Utilities:

RE: Senate Bill 51 relating to exemptions from severance taxation for incremental severance and production of oil and gas

Chairman Clark and Members of the Committee:

My name is Erick E. Nordling of Hugoton. I am Executive Secretary of the Southwest Kansas Royalty Owners Association (SWKROA). I am appearing on behalf of members of our Association and on behalf of Kansas royalty owners to support of Senate Bill No. 51 dealing with exemptions from severance taxation for incremental severance and production of oil and gas.

BACKGROUND ON SWKROA

SWKROA is a non-profit Kansas corporation, organized in 1948, for the primary purpose of protecting the rights of landowners in the Hugoton Gas Field. We have a membership of around 2,300 members. Our membership primarily consists of landowners owning mineral interests in the Kansas portion of the Hugoton Field who are lessors under oil and gas leases, as distinguished from oil and gas lessees, producers, operators, or working interest owners.

One of the early objective of our Association, formed in 1948, was to fight a severance tax. We have maintained that position throughout the years, even though a severance tax was eventually enacted.

We believe that any severance tax acts to reduce the long term development of our energy resources and makes our nation more dependant on foreign energy and thus more vulnerable to price increases. We also note that mineral production in Kansas is declining and will continue to do so in the years to come, thus creating a declining and unstable tax source for the state.

SEVERANCE TAX EXEMPTION BILL

Senate Bill No. 51 is an industry sponsored bill which, in part, grants additional exemptions from severance taxation for production from oil and gas from horizontally drilled wells, and from gas or oil produced from a coal bed.

As we have seen in recent months, it is very important for the United States to develop and implement policies that will encourage responsible development of natural resources within its borders to help make itself energy independent.

Kansas has been blessed with many oil and gas deposits. Most of the "easy to find" reserves have been discovered long ago, yet there are many reserves in Kansas that are not so easy to find, or are more difficult and costly to produce. The use of horizontal drilling techniques allows for precise and efficient development of reserves that might otherwise not be recovered. Likewise, encouraging production of gas and oil from coal beds is another way to promote development of reserves that may be more difficult to produce.

To the extent that SB No. 51 helps to promote further development of long term stable supplies of oil and gas in Kansas, and the development of difficult to find or costly to produce reserves of oil and gas in Kansas, SWKROA supports the bill.

Thank you for this opportunity to present these concerns to your honorable committee.

Respectfully submitted,

Erick E. Nordling, Executive Secretary, SWKROA

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