

Approved: 1-26-98  
Date

## MINUTES OF THE HOUSE COMMITTEE ON ENVIRONMENT.

The meeting was called to order by Vice-Chairperson Joann Freeborn at 3:30 p.m. on January 20, 1998 in Room 526-S of the Capitol.

All members were present except: Rep. Steve Lloyd - excused

Committee staff present: Raney Gilliland, Legislative Research Department  
Hank Avila, Legislative Research Department  
Mary Torrence, Revisor of Statutes  
Mary Ann Graham, Committee Secretary

Conferees appearing before the committee: Steve Williams, Secretary, Wildlife and Parks, 900 SW Jackson Ste. 502, Topeka, KS 66612-1233  
Maurice Korphage, Director, Conservation Division, Kansas Corporation Commission, 130 S Market Rm. 2078, Wichita, KS, 67202

Others attending: See attached list

Chairperson Joann Freeborn called the meeting to order at 3:30 p.m. She asked if anyone wanted to make a bill request to the committee. She also added that she would like to continue the tradition of not debating bill requests, on introduction, that are made to the committee.

Rep. Douglas Johnston made a motion to introduce a bill requiring prompt reporting of occurrence of dog bites or attacks to the Department of Health and Environment, requiring a law enforcement officer or a physician to do that reporting. Rep. Marti Crow seconded the motion. Motion carried.

Chairperson Freeborn introduced two guests, her intern, Sarah Ellestat, a student from Kansas University and Steve Baccus, vice-president of Farm Bureau, from her district, District 107.

Rep. Tom Sloan made a motion to make a bill request which will have a license fee for canoes, a fee of \$10.00 per year, beginning January 1, 1999. Rep. Dan Johnson seconded the motion. Motion carried.

Rep. Tom Sloan made a motion to request a bill to prevent release of non-native venomous snakes in Kansas. Rep. Doug Johnston seconded the motion. Motion carried.

Chairperson Freeborn welcomed Steve Williams, Secretary of Wildlife and Parks. Secretary Williams briefed the committee on the Milford Lake Habitat Restoration Project. (See attachment 1) The Milford Wetlands Restoration Project would provide for an estimated 2,400 acres of wetland habitat suitable for usage by waterfowl and shorebird populations as a migratory stop-over and as a production area. In addition it would provide additional habitat for furbearer, game and non-game wildlife species associated with wetland habitat types and restore a high-quality habitat suitable for game and non-game fish spawning and nursery areas.

Secretary Williams introduced John Bond, Regional Public Land Supervisor for Region #2, KS Wildlife and Parks. Mr. Bond briefed the committee and had slides to view, showing the project location, cost, and benefits. The Wildlife and Parks Department Attorney, Amelia McIntyre, spoke concerning some of the costs. Questions by the committee followed.

Chairperson Freeborn thanked Secretary Williams and staff for their presentation. She introduced Rep. Gerald Geringer from the audience. He spoke briefly in support of the project.

Chairperson Freeborn welcomed Maurice Korphage, Director Conservation Division, Kansas Corporation Commission, to the committee. He presented two reports, Abandoned Oil and Gas Well Status Report (See attachment 2) and Remediation Site Status Report (See attachment 3). Mr. Korphage briefed the committee

CONTINUATION SHEET

MINUTES OF THE HOUSE COMMITTEE ON ENVIRONMENT, Room 526-S Statehouse, at 3:30 p.m. on January 20, 1998.

on the Abandoned Well and Site Remediation Fund Status Report (See attachment 4). The fund was created during the 1996 Legislative Session with the passage of House Substitute for **SB755**. Questions by the committee followed. It was announced that copies of the full report were delivered to Raney Gilliland, Legislative Research Department, as well as to the Acting Chair Joann Freeborn and Ranking Minority Person Laura McClure. The public is invited to review these documents.

Chairperson Freeborn thanked Mr. Korphage for his presentation.

The meeting adjourned at 5:05 p.m.

The next meeting is scheduled for January 21, 1998.

HOUSE ENVIRONMENT COMMITTEE COMMITTEE  
GUEST LIST

DATE: January 20 - 98

| NAME                 | REPRESENTING   |
|----------------------|--|
| Alex A. Kotoyantz    | Lobbyist Junction City<br>Convent m. Visitors Bureau |
| M. L. KOPPHAGE       | KCC - CONSERV. DIV.                                  |
| Doug Smith           | SWKROA   |
| Dick Carter, Jr.     | Travel Industry Assn of KS                           |
| Bill Heim            | Heim & Wain  |
| Rennie Ann Brown     | KS Gov. Consuet.                                     |
| Kenny Teichner       | KGFA / KFCA  |
| Mike Beam            | KS LUSTK Assn.                                       |
| Fon Klataske         | National Audubon Society<br>Manhattan, KS            |
| Asuley Jones         | Intern Rep. Crow                                     |
| Breiden Wintz        | Intern (S. Shaver)                                   |
| Rich Bailey          | Kansas Wildscape Foundation                          |
| Kathy Brown (George) | " " "  |
| Steve Baccus         | Kansas Farm Bureau                                   |
| Wendy M. Harms       | KAPA   |
| Den Thelmann         | Nat'l Audubon Society                                |
| Clint Riley          | KDWP   |
| Chad Wice            | KDWP   |
| STEVE WILLIAMS       | KDWP   |

HOUSE ENVIRONMENT COMMITTEE COMMITTEE  
GUEST LIST

DATE: January 20 - 98

| NAME            | REPRESENTING       |
|-----------------|--------------------|
| Amelia McIntyre | KDWP               |
| Bill Fuller     | Kansas Farm Bureau |
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**MILFORD LAKE HABITAT RESTORATION PROJECT**  
**(CWIS No. 096118)**  
**CORPS OF ENGINEERS KANSAS CITY DISTRICT**  
**SECTION 1135 (b) / WATER RESOURCES DEVELOPMENT ACT OF 1986**  
**PROJECT MODIFICATIONS FOR IMPROVEMENT OF THE ENVIRONMENT**

**PROJECT OVERVIEW**  
**up-date December 2, 1997**

**Project Location:** Milford Lake is located on the Republican River at river mile 7.7, approximately 65 miles west of Topeka, Kansas. The restoration project is north of the Highway 82 causeway on the upper reaches of the Republican River arm of Milford Lake, immediately east of the town of Wakefield, Clay County, Kansas.

**Project Background:** The initial concept for this project was created by Corps of Engineer (Corps) and Kansas Department of Wildlife and Parks (KDWP) employees in response to a Federal mandate of "no net loss" of wetlands issued in 1991. Proposals were sent through the regular budgeting processes of the individual agencies but were turned back due to the magnitude and projected costs of the project.

Because of the great potential for positive impact on both the resource and area economies, a nongovernmental committee (Committee) was formed in 1992 to pursue alternative funding sources. Membership in this group includes representatives from local governments and civic groups as well as interested individuals from all four of the communities surrounding the lake. In the spring of 1992 this group approached the Kansas WILDSCAPE Foundation (WILDSCAPE), a non-profit 501(c)(3) dedicated to Kansas natural resource related projects, to assist with the project. The WILDSCAPE Board of Directors agreed to facilitate the project and assist in pursuing both public and private funding sources.

Through an ongoing series of meetings including the Committee, WILDSCAPE, KDWP, the U.S. Fish and Wildlife Service and the Corps, it was determined that the project fit best within the parameters of the CORPS Section 1135 (b) program. In June of 1992 the CORPS received a letter of endorsement from the Kansas State Supervisor for the U.S. Fish and Wildlife Service which stated "the wetland project would contribute significantly to the waterfowl habitat objectives of the North American Waterfowl Management Plan without compromising Milford Lake's overall project purposes".

The Secretary of the Kansas Department of Wildlife and Parks, with the support of the agency's Commission, agreed to become the local sponsor for this project and submitted a letter to the CORPS in May of 1994 requesting that a feasibility study be conducted under the Section 1135 (b) program.

One year later in May of 1995 confirmation was received from the Kansas City CORPS office that the Section 1135 (b) Wetlands Restoration feasibility funding application for the Milford Wetlands project had been approved. Since that time, all entities involved have worked continuously with Kansas City CORPS staff to complete this feasibility study. Through-out the time period from spring of 1992 to the present,

*House Environment  
1-20-98  
Attachment 1*

WILDSCAPE has made preliminary matching fund overtures to a wide variety of potential donors. The proposal process can now be formalized with the information contained in the completed study.

Mr. John G. Montgomery, Junction City, Editor/Publisher of The Daily Union and Wildscape board member will be the regional fundraising liason.

**Project Description:** The Milford Wetlands Restoration Project would provide for an estimated 2,400 acres of wetland habitat suitable for usage by waterfowl and shorebird populations as a migratory stop-over and as a production area. In addition it would provide additional habitat for furbearer, game and non-game wildlife species associated with wetland habitat types and restore a high-quality habitat suitable for game and non-game fish spawning and nursery areas. Depending on the final project size, implementation of this project would create the second or third largest wetland in the State of Kansas.

No fee title land acquisition is anticipated for the project. The proposed modification would be on lands owned in fee by the United States of America, administered by the U.S. Army Corps of Engineers. A portion of the land which would be seasonally inundated by this project is licensed by the Corps to the Kansas Department of Wildlife and Parks.

The modification would restore wetlands in a chain of naturally occurring land cells currently dominated by plant species such as cattails and annual and early successional stages of vegetation. Water level manipulation of up to three feet would be managed through the construction of a series of levees through-out the land cells.

The Kansas Electric Utilities Research Program has committed substantial funds to study the feasibility of utilizing solar powered pumps to assist with water management needs. This study has occurred as a companion effort to the CORPS project feasibility study.

The total project cost has been estimated at approximately \$4.5 million with 75% of this amount covered through the Section 1135 (b) Wetlands Restoration funding. The Kansas Wildscape Foundation will be responsible for raising the remaining 25% through a combination of cash and in-kind non-Federal funding sources.

**Mr. Chad Luce, Public Information Officer for the Kansas Department of Wildlife and Parks, will serve as the information clearinghouse contact for this project.**

**Chad can be reached at the Topeka KDWP offices:**

**Mr. Chad Luce  
Kansas Department of Wildlife and Parks  
900 Jackson Suite 502  
Topeka, Kansas 66612-1233**

**Phone: 785-296-2281**

kgb/12-2-97

**MILFORD WETLANDS  
SECTION 1135 PROJECT**

**STAGE 1**

| <u>WETLAND AREA</u>                     | <u>ACRES</u> | <u>COST</u>      | <u>NON-FED COST</u> |
|---|--------------|------------------|---------------------|
| Develop Lower Refuge                    | 360          | 408,623          | 102,156             |
| Upgrade Cain Creek                      | 170          | 223,808          | 55,952              |
| Upgrade Mall Creek                      | 330          | 483,357          | 120,839             |
| <u>Upgrade wetland at Smith Bottoms</u> | <u>170</u>   | <u>210,261</u>   | <u>52,565</u>       |
| <b>TOTAL</b>                            | <b>1030</b>  | <b>1,326,048</b> | <b>331,512</b>      |

**STAGE 2**

| <u>WETLAND AREA</u>           | <u>ACRES</u> | <u>COST</u>      | <u>NON-FED COST</u> |
|-------------------------------|--------------|------------------|---------------------|
| Develop Quimby Creek          | 160          | 456,376          | 114,094             |
| Smith Bottoms addition        | 300          | 722,824          | 180,706             |
| Beichter Bottom Upgrade       | 125          | 144,857          | 36,214              |
| East Broughton 1 and 3        | 175          | 320,944          | 80,236              |
| <u>West Broughton 1 and 2</u> | <u>135</u>   | <u>348,483</u>   | <u>87,121</u>       |
| <b>TOTAL</b>                  | <b>895</b>   | <b>1,993,484</b> | <b>498,371</b>      |

**STAGE 3**

| <u>WETLAND AREA</u>       | <u>ACRES</u> | <u>COST</u>    | <u>NON-FED COST</u> |
|---------------------------|--------------|----------------|---------------------|
| West Broughton 3 and 4    | 120          | 413,677        | 103,419             |
| Martin Wetland            | 180          | 385,393        | 96,348              |
| East Broughton 2 and 4    | 55           | 119,194        | 29,799              |
| <u>Sugar Bowl Upgrade</u> | <u>60</u>    | <u>13,821</u>  | <u>3,455</u>        |
| <b>TOTAL</b>              | <b>415</b>   | <b>932,075</b> | <b>233,021</b>      |

|                              |             |                  |                  |
|------------------------------|-------------|------------------|------------------|
| Construction Costs           | 2340        | 4,251,607        | 1,062,904        |
| Nesting Structures (Islands) |             | 20,365           | 5,091            |
| Plans and Specs              |             | 478,000          | 119,500          |
| <u>Feasibility Report</u>    |             | <u>250,000</u>   | <u>62,500</u>    |
| <b>GRAND TOTALS</b>          | <b>2340</b> | <b>4,999,972</b> | <b>1,249,995</b> |

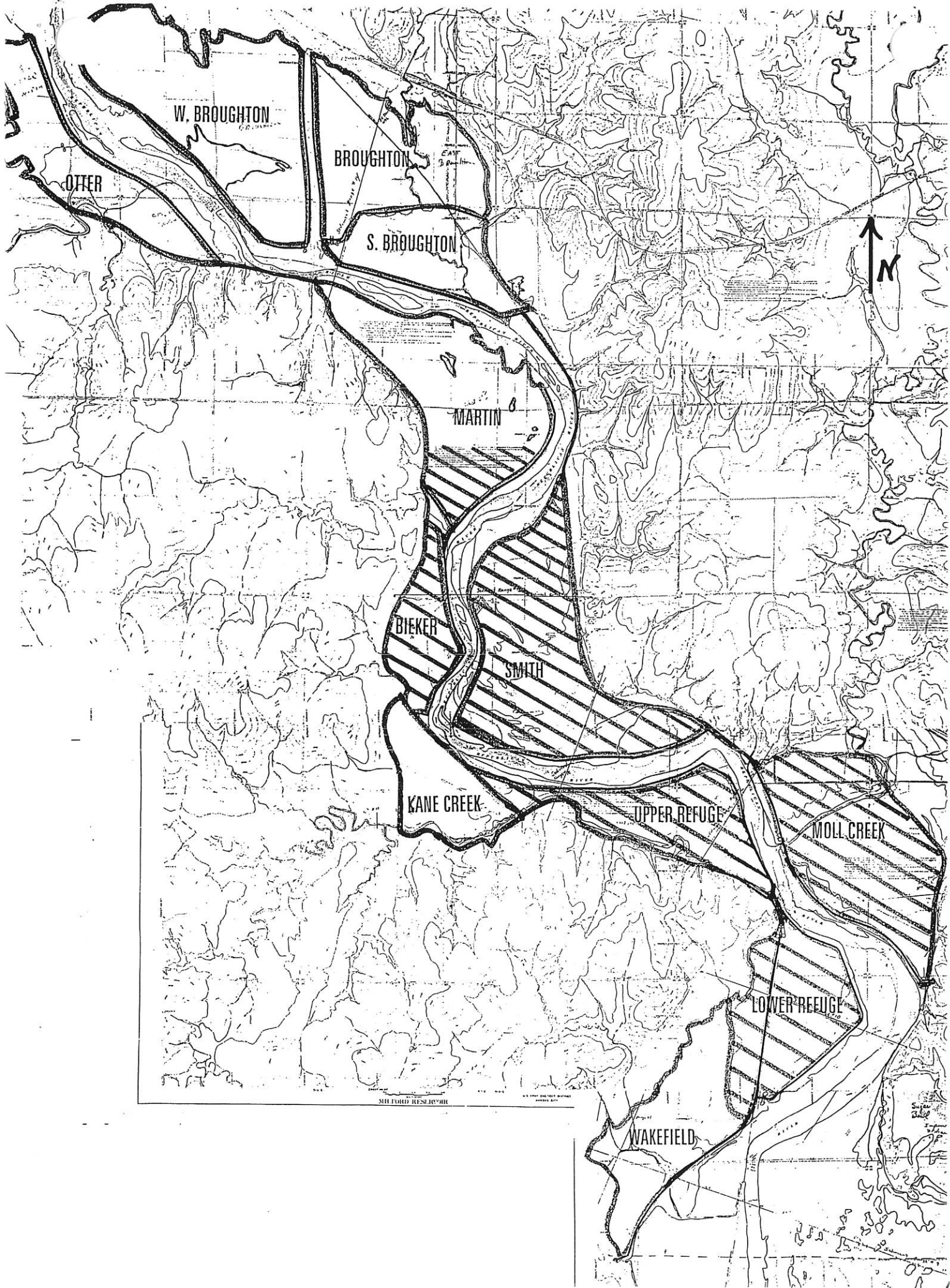
**MILFORD WETLANDS  
STATE COST BY FISCAL YEAR**

| <u>YEAR</u> | <u>DESCRIPTION</u>                 | <u>NON-FED COST</u> |
|-------------|------------------------------------|---------------------|
| FY99        | Feasibility Report                 | \$ 62,500           |
|             | Plans and Specs                    | \$119,500           |
|             | O&M Budget Increase                | \$20,000            |
|             | <u>25% of Constructing Stage 1</u> | <u>\$331,512</u>    |
|             | <b>TOTAL</b>                       | <b>\$533,512</b>    |

| <u>YEAR</u>  | <u>DESCRIPTION</u>                         | <u>NON-FED COST</u> |
|--------------|--|---------------------|
| FY00         | Labor Costs                                | \$30,000            |
|              | Additional O&M Budget Increase             | \$20,000            |
|              | 25% of Constructing Stage 2                | \$498,371           |
|              | 25% of Constructing Stage 3                | \$233,021           |
|              | <u>25% of Constructing Nesting Islands</u> | <u>\$ 5,091</u>     |
| <b>TOTAL</b> | <b>\$781,483</b>                           |                     |

The Department will continue to look to private entities for partnerships to help financially with all phases of the project. The potential exists for private partners to fund the entire 1.25 million for construction. The COE currently has the funding set aside to do plans and specs for their next fiscal year which starts on October 1, 1997. If the Department does not utilize these funds, there is no guarantee that the funds will be available the following year. It is likely that the funds will still be available, but the cost share may be reduced to 65/35 or 50/50 cost ratio, which would require more Department or non-federal funds.

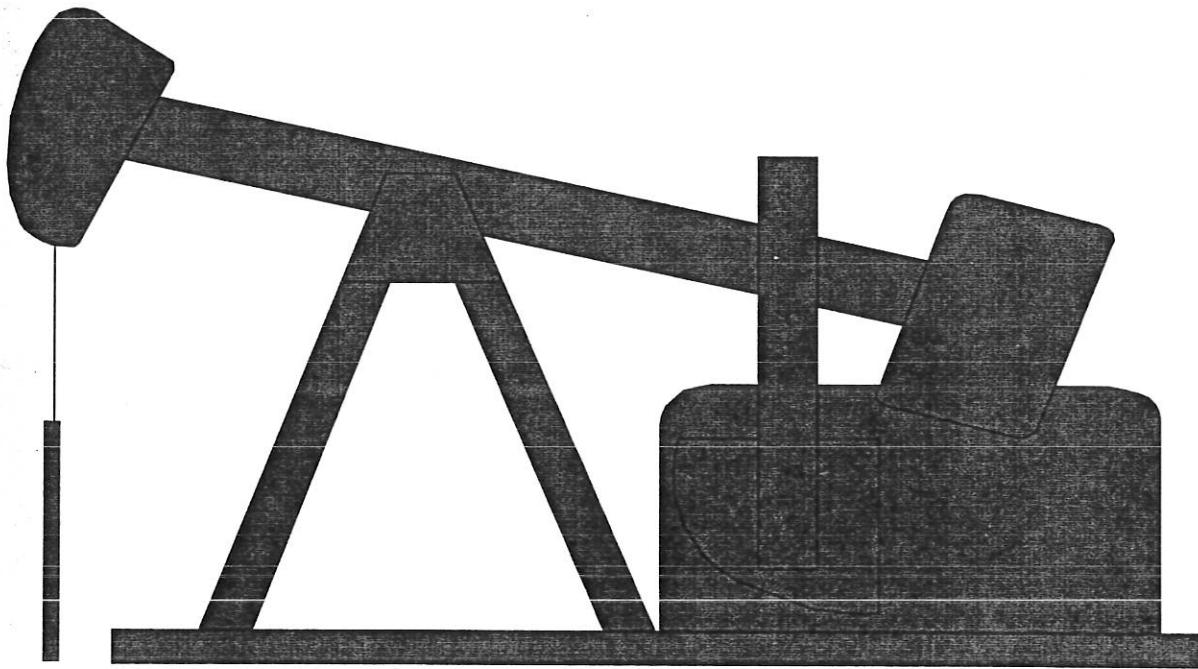




MILFORD RESERVE

**KANSAS CORPORATION COMMISSION  
CONSERVATION DIVISION**

**ABANDONED OIL & GAS WELL  
STATUS REPORT**



**JANUARY 12, 1998**

**REF: ABANDONED OIL AND GAS WELL / REMEDIATION SITE FUND**

*House Environment  
1-20-90  
Attachment 2*

# Abandoned Exploration and Production Wells

## Introduction

During the 1996 legislative session House Substitute for Senate Bill 755 was passed. As a result of that legislation the Abandoned Oil and Gas Well / Remediation Fund was created for the expressed purpose of providing funding to the Kansas Corporation Commission with which to address the problem of abandoned exploration and production wells located within the state. The legislation requires in part that the Commission prepare and maintain an inventory of all abandoned wells with a special focus on wells which, (1) the State of Kansas has assumed the plugging liability because of the lack of a potentially responsible party (No PRP); and, (2) pose either an ongoing or potential threat to the environment (Priority I). The Commission was further directed to develop and maintain such an inventory on a computer database and report to the office of the Governor and certain legislative committees the status of the inventory as well as the Commission's efforts towards plugging those wells which pose a threat to the public safety and / or environment.

## Computer Database / Data Collection

The database application used in the inventory tracking system is a Microsoft Access package on a PC based platform. Field data is collected on site in the four District Field areas. It is then entered into the system where it can be used to create a variety of reports concerning the wells.

The amount of information on each well is extremely variable and is primarily dependent on the location of the well and its age. Those wells located in the Eastern portion of the state are in general older wells and there is very little detailed information available from industry or historical Commission files.

## Priority Ranking (Priority I)

Wells within the Priority I grouping have been further subdivided on the basis of resources impacted by the location or condition of the individual abandoned well. That is whether the impacts are to surface waters (SW), groundwater (GW), or concern public safety issues (PS). The listing below provides definitions for Priority Action Levels within the Priority I inventory. In general, Level "A" wells are the most serious cases while Level "C" wells are less serious situations.

### Priority Action Levels

#### Level A – Surface Water (SW)

Wells actively discharging oil or brine into surface waters with significant ongoing impacts to surface water. (Includes wells with moderate to high volumes of discharge impacting public water supplies or sole source water supplies.)

Abandoned Wells

Page 2

|                              |  |
|------------------------------|--|
| Level A – Groundwater (GW)   | Wells creating significant ongoing or potential impacts to groundwater supplies through water quality degradation or loss of water supplies through downward drainage. (With emphasis on impacts to groundwater supplies used for public water supplies or sole source supplies and cases of active subsidence caused by downward drainage.) |
| Level A – Public Safety (PS) | Wells creating an ongoing or current threat to public safety. (Includes wells with active gas flows with danger of explosion or open large diameter wellbores or casings in urban or suburban settings.)   |
| Level B – Surface Water (SW) | Wells intermittently to actively discharging oil or brine into surface waters with ongoing impacts to surface water. (Includes wells with low to moderate volumes of discharge impacting water resources outside of public water supplies. Alternative water supplies available.)  |
| Level B – Groundwater (GW)   | Wells creating ongoing or potential impacts to groundwater supplies through water quality degradation or loss of water supplies through downward drainage. (Includes wells with impacts to groundwater supplies outside of public water supply areas and cases of strong potential for subsidence.)  |
| Level B – Public Safety (PS) | Wells creating a current or ongoing threat or potential danger to public safety. (Includes wells with active gas flows with danger of explosion and/or open large diameter wellbores or casings located in rural, low population areas.)   |
| Level C – Surface Water (SW) | Wells located in sensitive groundwater areas, which are intermittently discharging oil and/or brine or have potential for discharge into surface waters. (Includes wells located in sensitive groundwater areas, which have low volume to intermittent discharges or high fluid levels.)   |
| Level C – Groundwater (GW)   | Wells located in sensitive groundwater areas which have potential impacts to groundwater supplies or loss of water resources through downward drainage. (Includes wells located in sensitive groundwater areas with abnormally high fluid levels.)   |
| Level C – Public Safety (PS) | Wells creating a potential danger to public safety. (Includes secured gas wells in populated areas or large diameter wells in isolated settings.)  |

**Priority Ranking (Priority II)**

Wells within the Priority II grouping consist of wells of relatively modern construction which do not pose either an ongoing or potential threat to the public safety or the environment. These wells have adequate surface pipe in place with which to protect shallow freshwater aquifers and are generally located in environmentally non-sensitive areas. These wells fall within the lowest priority ranking for authorization of plugging with Abandoned Oil and Gas Well / Remediation Fund monies. It is important that these wells be documented within the inventory and periodically inspected to determine if well conditions have changed to a sufficient degree to warrant upgrading to Priority I status.

**Status of the Inventory**

The current status of the abandoned oil and gas well inventory stands at 10,573 wells. This total which includes both Priority I and Priority II wells represents a total increase of 263 wells over that reported in January 1997. This increase represents the addition of 225 Priority I wells and 38 Priority II wells to the inventory. The original estimate of wells fitting the criteria of Priority I ranking with no potential responsible party available to fund plugging operations was in excess of 14,750 wells. The field staff has of the date of this report checked and verified 9929 of these types of wells. As a percentage of the original estimate the statewide inventory is approximately 67% complete. The accompanying map and diagrams provide an overview of the data collected with respect to Priority I severity levels and impacts on both a statewide basis and within individual field areas. The tables below summarize this data.

PRIORITY 1 WELLS

| District | Level A | Level B | Level C | Total |
|----------|---------|---------|---------|-------|
| 1        | 6       | 6       | 24      | 36    |
| 2        | 78      | 36      | 58      | 172   |
| 3        | 938     | 2035    | 6355    | 9328  |
| 4        | 95      | 114     | 184     | 393   |
| Totals   | 1117    | 2191    | 6621    | 9929  |

PRIORITY 1 WELLS

| District | Surface Water (SW) | Groundwater (GW) | Public Safety (PS) |
|----------|--------------------|------------------|--------------------|
| 1        | 1                  | 35               | 0                  |
| 2        | 13                 | 120              | 39                 |
| 3        | 163                | 9030             | 135                |
| 4        | 1                  | 362              | 30                 |
| Totals   | 178                | 9547             | 204                |

TOTAL NO. OF ABANDONED WELLS REQUIRING ACTION

| District | Priority 1 | Priority 2 | Total |
|----------|------------|------------|-------|
| 1        | 12         |            | 12    |
| 2        | 117        | 35         | 152   |
| 3        | 8502       | 607        | 9109  |
| 4        | 368        |            | 368   |
| Totals   | 8999       | 642        | 9641  |

PRIORITY 1 WELLS BY POLLUTION LEVEL - REQUIRING ACTION

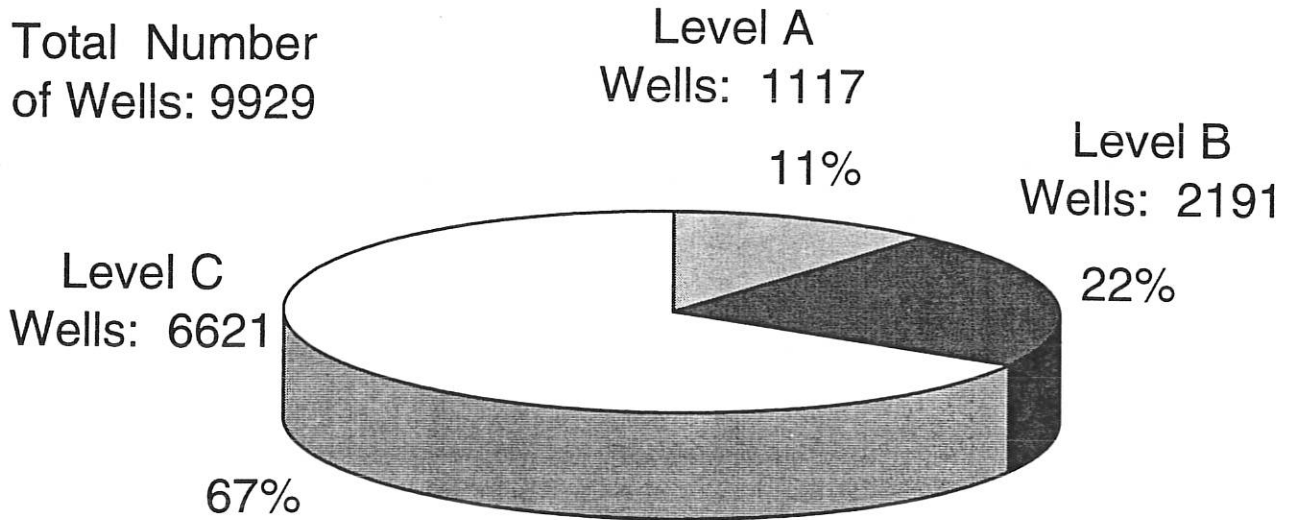
| District | Level A | Level B | Level C | Total |
|----------|---------|---------|---------|-------|
| 1        | 3       |         | 9       | 12    |
| 2        | 42      | 30      | 45      | 117   |
| 3        | 442     | 1814    | 6246    | 8502  |
| 4        | 77      | 109     | 182     | 368   |
| Totals   | 564     | 1953    | 6482    | 8999  |

It should be emphasized that this inventory is an ongoing and active system that is currently being updated on a weekly basis. While certain trends can be recognized within the system, specific well data must be considered as part of a dynamic process and subject to change as the inventory proceeds.

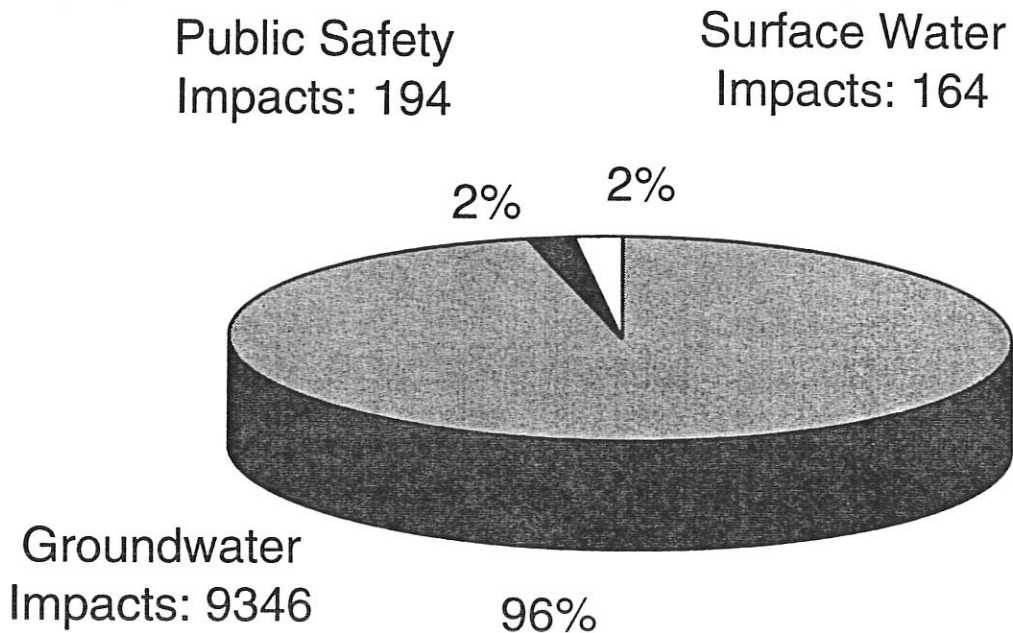
The complete inventory of individual wells awaiting plugging authorization is provided in Appendix A and B of this report. The wells in these listings show the following data for each well: Priority Level, Lease Name, Well Number, District, County, Spot Location, Section, Township, Range, and Impact. Appendix C provides data for wells which have either been plugged or have been approved for plugging with expenditures from the Abandoned Oil and Gas Well / Remediation Fund. An accounting of approved expenditures to date is also enclosed within this section.

# STATEWIDE PRIORITY 1 WELLS

Inventory Status December 16, 1997



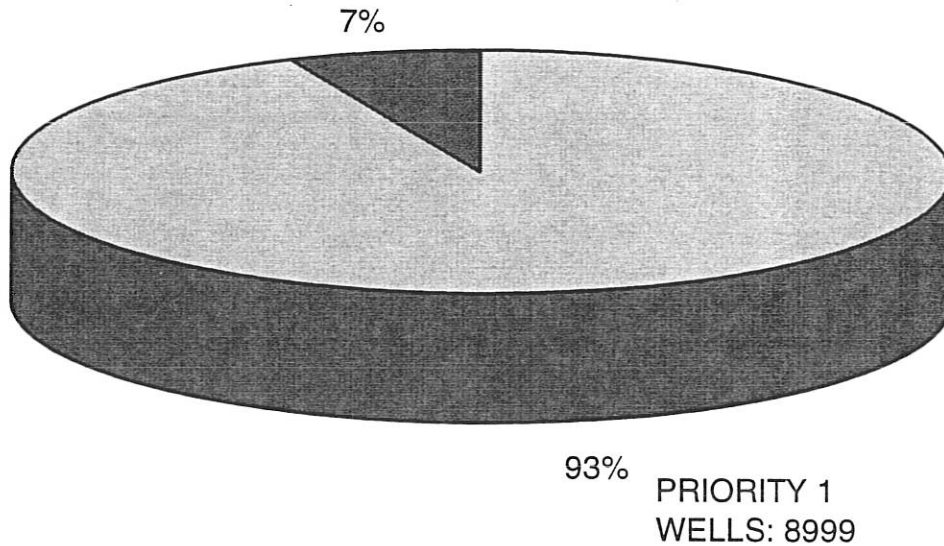
## Impact of Priority 1 Wells



# ABANDONED WELLS TOTAL NUMBER OF WELLS REQUIRING ACTION

TOTAL NO. OF  
WELLS: 9641

PRIORITY 2  
WELLS: 642

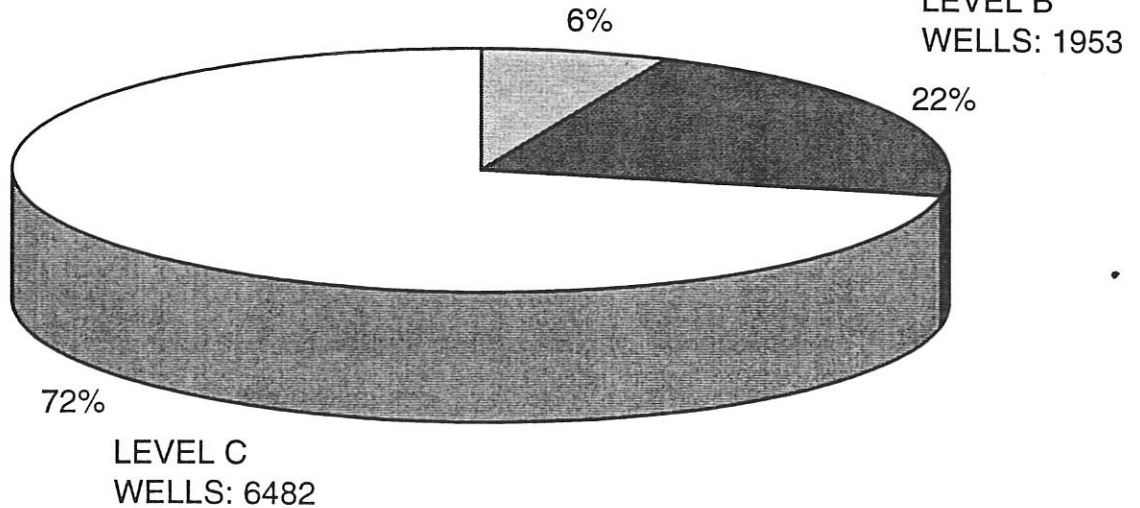


# ABANDONED WELLS BY POLLUTION LEVEL PRIORITY 1 WELLS REQUIRING ACTION

PRIORITY 1  
WELLS: 8999

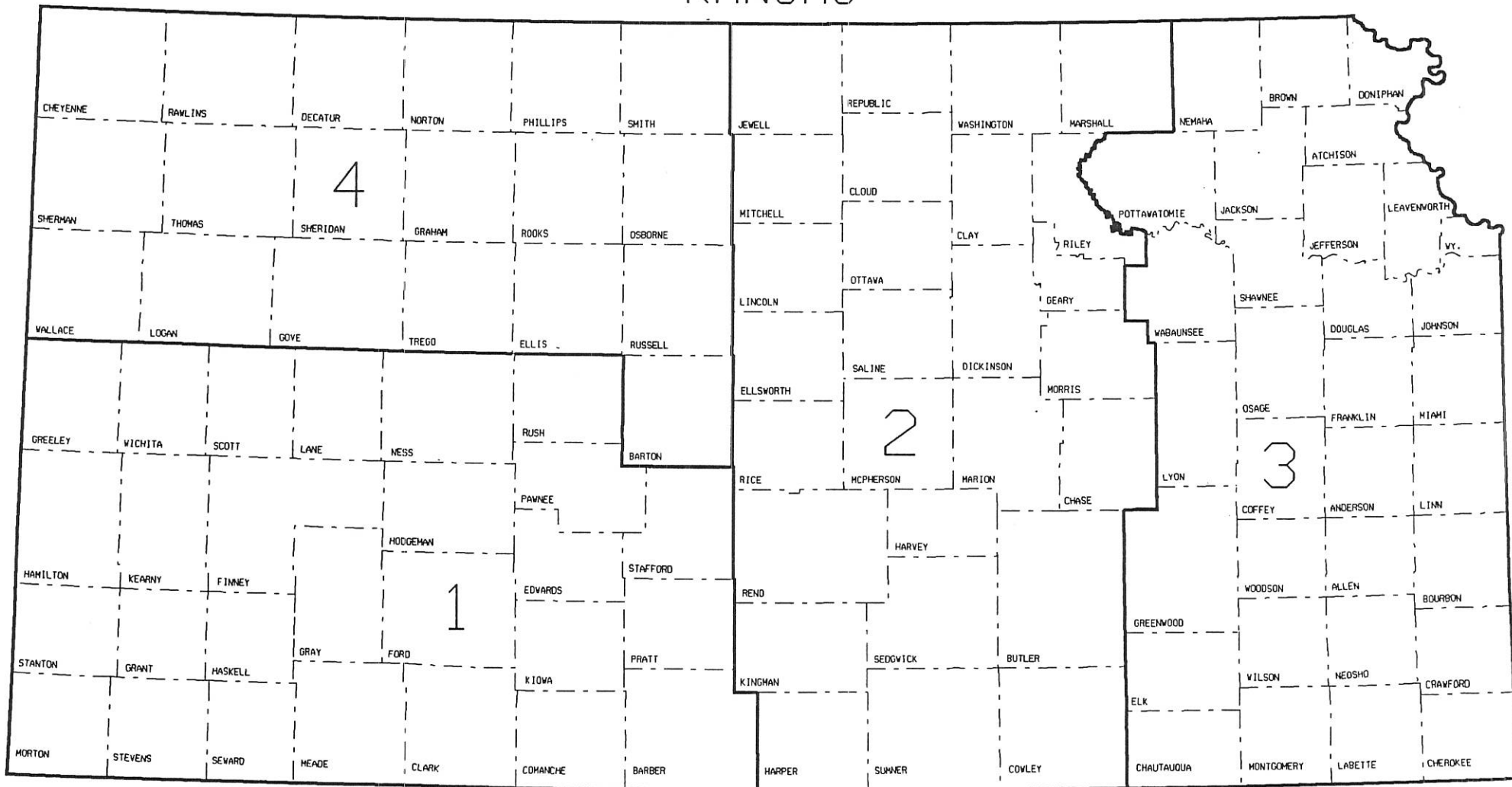
LEVEL A  
WELLS: 564

LEVEL B  
WELLS: 1953





# CONSERVATION DIVISION DISTRICTS KANSAS



# APPENDIX "C"

## Plugged Wells

Kansas Corporation Commission  
Priority 1 and Priority 2 Wells  
Plugged or Have Received Authorization to Plug

12/16/97

| DIST | COUNTY   | LEASE NAME          | WELL NO | 1/4 OF | 1/4 OF | 1/4 OF | SEC | TWN | RNG | DIR | TYPE | LEVEL | PRI | FFREQ     |
|------|----------|---------------------|---------|--------|--------|--------|-----|-----|-----|-----|------|-------|-----|-----------|
| 1    | BARBER   | MILLS OWWO          | 1-29    | C      | NE     | NW     | 29  | 30  | 14  | W   |      |       | 2   | 09-Jul-97 |
| 1    | BARBER   | THOMPSON            | 1       | SE     | NW     | SW     | 10  | 33  | 13  | W   | GW   | C     | 1   | 09-Jul-97 |
| 1    | EDWARDS  | PUTTER/NEBERGALL    | 1       | NE     | SE     | SE     | 7   | 23  | 19  | W   | GW   | C     | 1   | 23-Sep-96 |
| 1    | EDWARDS  | ELLEDGE SWD         | 1       | SW     | SE     | SW     | 24  | 26  | 16  | W   | GW   | C     | 1   | 23-Sep-96 |
| 1    | FINNEY   | LEWIS               | 32-1    |        | C      | NE     | 32  | 22  | 31  | W   | GW   | B     | 1   | 21-Aug-96 |
| 1    | HASKELL  | GEORGE              | 1       |        | C      | SW     | 35  | 27  | 32  | W   | GW   | C     | 1   | 26-Sep-96 |
| 1    | NESS     | STUTZ               | 1       |        |        | SW     | 1   | 17  | 26  | W   | GW   | C     | 1   | 23-Jun-95 |
| 1    | NESS     | WHIPPLE A           | 1       | C      | NW     | SE     | 9   | 19  | 26  | W   | GW   | C     | 1   | 28-Mar-97 |
| 1    | NESS     | MCFADDEN            | 1       |        |        | NE     | 34  | 20  | 22  | W   | GW   | C     | 1   | 11-Nov-11 |
| 1    | NESS     | MCFADDEN            | 2       |        |        | NE     | 34  | 20  | 22  | W   | GW   | C     | 1   | 11-Nov-11 |
| 1    | NESS     | MCFADDEN            | 4       |        |        | NE     | 34  | 20  | 22  | W   | GW   | C     | 1   | 11-Nov-11 |
| 1    | NESS     | MCFADDEN            | 5       |        |        | NE     | 34  | 20  | 22  | W   | GW   | C     | 1   | 11-Nov-11 |
| 1    | NESS     | MCFADDEN            | 6       |        |        | NE     | 34  | 20  | 22  | W   | GW   | C     | 1   | 11-Nov-11 |
| 1    | PAWNEE   | GARVIN              | 1       | NW     | SE     | SW     | 30  | 23  | 15  | W   | GW   | C     | 1   | 11-Nov-11 |
| 1    | PRATT    | THOMPSON-WRIGHT     | 1       | N2     | S2     | SW     | 18  | 29  | 15  | W   | GW   | C     | 1   | 09-Jul-97 |
| 1    | RUSH     | JULIA               | 45-718  | NE     | SW     | SW     | 5   | 17  | 20  | W   | GW   | A     | 1   | 20-Jun-96 |
| 1    | RUSH     | PETERSON OWWO       | 1       | NW     | NW     | NW     | 35  | 19  | 16  | W   | SW   | B     | 1   | 08-Mar-96 |
| 1    | STAFFORD | CULBREATH           | 1       | NE     | SE     | SW     | 17  | 21  | 13  | W   | GW   | C     | 1   | 16-Oct-97 |
| 1    | STAFFORD | FISCHER             | 1       | N2     | SE     | SE     | 34  | 21  | 13  | W   | GW   | C     | 1   | 28-Apr-97 |
| 1    | STAFFORD | SUTTON              | 1A      | SE     | SE     | SW     | 17  | 23  | 13  | W   | GW   | B     | 1   | 08-Mar-96 |
| 1    | STAFFORD | SUTTON              | 1B      | SW     | SE     | SW     | 17  | 23  | 13  | W   | GW   | B     | 1   | 08-Mar-96 |
| 1    | STAFFORD | BUDGE               | 2       | NW     | NW     | NW     | 19  | 23  | 13  | W   |      |       | 2   | 19-Feb-97 |
| 1    | STAFFORD | SCHULZ              | 2       | NE     | NW     | NW     | 20  | 23  | 13  | W   | GW   | B     | 1   | 08-Mar-96 |
| 1    | STAFFORD | SCHULZ              | 3       | NE     | NE     | NW     | 20  | 23  | 13  | W   | GW   | B     | 1   | 08-Mar-96 |
| 1    | STEVENS  | MEYERS              | 1       |        | E2     | SE     | 27  | 34  | 39  | W   | GW   | A     | 1   | 22-Aug-97 |
| 1    | STEVENS  | MEYERS              | 2       | SW     | NE     | SE     | 27  | 34  | 39  | W   | GW   | A     | 1   | 03-Oct-97 |
| 2    | BUTLER   | THIERSTEIN          | 4       | SW     | SW     | SE     | 34  | 24  | 3   | E   | SW   | A     | 1   | 28-Apr-97 |
| 2    | BUTLER   | HOPKINS             | 1       | NE     | SE     | NW     | 23  | 25  | 4   | E   | GW   | A     | 1   | 28-Apr-97 |
| 2    | BUTLER   | TROUSDALE           | T-IJ-O  | NW     | NE     | NE     | 33  | 27  | 7   | E   | SW   | B     | 1   | 11-Nov-11 |
| 2    | BUTLER   | CROWLEY B           | 12      | NW     | NE     | NW     | 14  | 28  | 5   | E   | GW   | B     | 1   | 11-Nov-11 |
| 2    | BUTLER   | ADAMS-DOYLE         | 1       | NE     | NE     | NE     | 14  | 29  | 5   | E   | SW   | B     | 1   | 28-Apr-97 |
| 2    | COWLEY   | SCHOOLEY            | 1       | WC     | E2     | E2     | 6   | 30  | 8   | E   | GW   | B     | 1   | 07-May-97 |
| 2    | COWLEY   | WARREN WOOD         | 1       | NW     | NW     | NE     | 8   | 31  | 4   | E   | SW   | A     | 1   | 28-Apr-97 |
| 2    | COWLEY   | NICOLS-GRAIG        | 1       | SE     | SE     | NE     | 28  | 31  | 5   | E   | GW   | B     | 1   | 28-Apr-97 |
| 2    | HARVEY   | BRTN EAST LECLERC   | 0-1     |        | SW     | SE     | 18  | 23  | 3   | W   | GW   | A     | 1   | 18-Apr-97 |
| 2    | HARVEY   | BRTN EAST LECLERC   | 1       | N2     | S2     | SE     | 18  | 23  | 3   | W   | GW   | A     | 1   | 18-Apr-97 |
| 2    | HARVEY   | BRTN EAST LECLERC   | 2       | S2     | SE     | SE     | 18  | 23  | 3   | W   | GW   | A     | 1   | 18-Apr-97 |
| 2    | HARVEY   | BRTN E MARTINDALE   | 0-5     | SE     | NE     | SE     | 18  | 23  | 3   | W   | GW   | A     | 1   | 18-Apr-97 |
| 2    | HARVEY   | BURRTON EAST DAY A  | 0-13    |        | NE     | NW     | 19  | 23  | 3   | W   | GW   | A     | 1   | 18-Apr-97 |
| 2    | HARVEY   | BURRTON EAST DAY A  | 0-21    |        | SE     | NW     | 19  | 23  | 3   | W   | GW   | A     | 1   | 18-Apr-97 |
| 2    | HARVEY   | BURRTON EAST DAY B  | 11      |        | NW     | NW     | 19  | 23  | 3   | W   | GW   | A     | 1   | 18-Apr-97 |
| 2    | HARVEY   | BURRTON EAST DAY B  | 12      |        | SW     | NW     | 19  | 23  | 3   | W   | GW   | A     | 1   | 18-Apr-97 |
| 2    | HARVEY   | BURRTON EAST DICK A | 25      |        | NE     | NE     | 19  | 23  | 3   | W   | GW   | A     | 1   | 18-Apr-97 |
| 2    | HARVEY   | BURRTON EAST DICK A | 38      |        | SE     | NE     | 19  | 23  | 3   | W   | GW   | A     | 1   | 18-Apr-97 |
| 2    | HARVEY   | BURRTON EAST DICK B | 39      | SW     | SW     | NE     | 19  | 23  | 3   | W   | GW   | A     | 1   | 16-Apr-96 |
| 2    | HARVEY   | BURRTON EAST DICK B | 41      | N2     | SW     | NE     | 19  | 23  | 3   | W   | GW   | A     | 1   | 18-Apr-97 |
| 2    | HARVEY   | BRTN EAST GOULDNER  | 2       |        | NW     | SE     | 19  | 23  | 3   | W   | GW   | A     | 1   | 18-Apr-97 |
| 2    | HARVEY   | DAY A               | W-29    |        |        | N2     | 19  | 23  | 3   | W   | GW   | A     | 1   | 11-Nov-11 |
| 2    | KINGMAN  | SWANDER             | 2       |        | C      | SW     | 20  | 28  | 9   | W   | GW   | B     | 1   | 11-Nov-11 |
| 2    | MARION   | THOMAS REZNICEK     | 1       | NW     | NE     | SW     | 22  | 17  | 4   | E   | GW   | A     | 1   | 03-Jan-97 |
| 2    | RENO     | JUSTUS              | 1       | SW     | SW     | SW     | 14  | 22  | 8   | W   | PS   | A     | 1   | 11-Nov-11 |
| 2    | RENO     | JUSTUS              | 1       | SW     | NW     | NW     | 23  | 22  | 8   | W   | GW   | A     | 1   | 11-Nov-11 |
| 2    | RENO     | DRAKE               | B1      | SE     | SW     | SW     | 17  | 22  | 9   | W   | GW   | A     | 1   | 11-Nov-11 |
| 2    | RICE     | HABIGER             | 6       | NW     | NW     | NE     | 5   | 18  | 10  | W   | GW   | A     | 1   | 04-Apr-97 |
| 2    | RICE     | SCHLICHT            | 5       | SW     | NE     | SE     | 6   | 18  | 10  | W   | GW   | A     | 1   | 10-Mar-97 |

Kansas Corporation Commission  
Priority 1 and Priority 2 Wells  
Plugged or Have Received Authorization to Plug

12/16/97

| DIST | COUNTY | LEASE NAME         | WELL NO | 1/4 OF | 1/4 OF | 1/4 OF | SEC | TWN | RNG | DIR | TYPE | LEVEL | PRI | FFREQ     |
|------|--------|--------------------|---------|--------|--------|--------|-----|-----|-----|-----|------|-------|-----|-----------|
| 2    | RICE   | BENGTON            | 1       | SE     | SE     | SW     | 13  | 20  | 6   | W   | GW   | A     | 1   | 11-Nov-11 |
| 2    | RICE   | CLARA-LOUISE       | 1       | SE     | NE     | NW     | 13  | 20  | 6   | W   | GW   | A     | 1   | 11-Nov-11 |
| 2    | RICE   | WRIGHT             | 1       | C      | W2     | SE     | 13  | 20  | 6   | W   | GW   | C     | 1   | 11-Nov-11 |
| 2    | RICE   | WRIGHT             | 1       | NW     | NE     | SE     | 13  | 20  | 6   | W   | GW   | C     | 1   | 11-Nov-11 |
| 2    | RICE   | WRIGHT             | 1       | NW     | SE     | SE     | 13  | 20  | 6   | W   | GW   | C     | 1   | 11-Nov-11 |
| 2    | RICE   | C JOHNSON          | 1       | NE     | SE     | NW     | 14  | 20  | 6   | W   | GW   | C     | 1   | 11-Nov-11 |
| 2    | RICE   | JOHNSON            | 1       | NE     | NW     | SW     | 14  | 20  | 6   | W   | GW   | C     | 1   | 11-Nov-11 |
| 2    | RICE   | WERENT             | 1       | C      | NE     | NE     | 14  | 20  | 6   | W   | GW   | C     | 1   | 11-Nov-11 |
| 2    | RICE   | MALM               | 1       | SE     | NE     | SW     | 24  | 20  | 6   | W   | GW   | A     | 1   | 11-Nov-11 |
| 2    | RICE   | MALM B             | 1       | E2     | SE     | SW     | 24  | 20  | 6   | W   | PS   | A     | 1   | 11-Nov-11 |
| 2    | RICE   | MATLOCK            | 1       | E2     | E2     | NE     | 24  | 20  | 6   | W   | GW   | C     | 1   | 11-Nov-11 |
| 2    | RICE   | KNIGHT             | 1       | N2     | N2     | NE     | 25  | 20  | 6   | W   | SW   | C     | 1   | 11-Nov-11 |
| 2    | RICE   | KNIGHT             | 1       | E2     | NE     | NE     | 25  | 20  | 6   | W   | GW   | A     | 1   | 11-Nov-11 |
| 2    | RICE   | BINGER             | 2       | NE     | NW     | NE     | 13  | 20  | 10  | W   | GW   | A     | 1   | 19-Feb-97 |
| 2    | RICE   | BINGER             | 1       | S2     | SW     | NW     | 18  | 20  | 10  | W   | GW   | C     | 1   | 11-Nov-11 |
| 2    | RICE   | J R BRYANT         | 1       | NW     | NW     | SW     | 22  | 20  | 10  | W   | GW   | A     | 1   | 11-Nov-11 |
| 2    | RICE   | DRESBACK           | 1       | NW     | SW     | SW     | 7   | 21  | 6   | W   | GW   | A     | 1   | 03-Sep-96 |
| 2    | RICE   | RAMSEY             | 1       | SE     | SW     | SW     | 7   | 21  | 6   | W   | GW   | A     | 1   | 03-Sep-96 |
| 2    | RICE   | HAILE              | 1-11    | NE     | NW     | NW     | 11  | 21  | 7   | W   | PS   | A     | 1   | 13-May-96 |
| 2    | RICE   | PALISTER           | 1       | W2     | W2     | SE     | 11  | 21  | 7   | W   | PS   | A     | 1   | 11-Nov-11 |
| 2    | RICE   | TAYLOR             | 1       | NE     | SW     | SW     | 16  | 21  | 7   | W   | GW   | C     | 1   | 11-Nov-11 |
| 2    | RICE   | SCHAFFER           | 1       | NE     | SW     | SE     | 2   | 21  | 9   | W   | GW   | C     | 1   | 11-Nov-11 |
| 2    | RICE   | SCHAFFER           | 2       | SW     | SW     | SE     | 2   | 21  | 9   | W   | GW   | C     | 1   | 11-Nov-11 |
| 2    | RICE   | SCHAFFER           | 4       | SW     | NE     | SE     | 2   | 21  | 9   | W   | GW   | C     | 1   | 11-Nov-11 |
| 2    | SALINE | E JOHNSON SWD      | 1-SWDW  | SW     | SW     | SE     | 10  | 16  | 3   | W   | GW   | A     | 1   | 30-Jul-96 |
| 2    | SALINE | DYCK               | 1       | SW     | SW     | SE     | 20  | 16  | 3   | W   | GW   | A     | 1   | 28-Apr-97 |
| 3    | ALLEN  | STEWART            | 12      |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | 14      |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | 15      |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | 15WI    |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | 16      |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | 18      |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | 20      |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | 46A     |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | 48      |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | 50      |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | 52      |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | 54      |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | 56      |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | 58      |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | OW-1    |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | OW-11   |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | OW-12   |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | OW-13   |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | OW-2    |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | OW-3    |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | OW-4    |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | OW-5    |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | OW-6    |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | OW-7    |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | OW-8    |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | STEWART            | OW-9    |        |        | NE     | 34  | 24  | 21  | E   | GW   | C     | 1   | 03-Jan-97 |
| 3    | ALLEN  | AM PIPE CO         | OW-1    | SW     | SE     | SW     | 10  | 26  | 18  | E   | SW   | A     | 1   | 07-Feb-97 |
| 3    | ALLEN  | OLSON MANION STOLL | 1       |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 31-Jul-97 |
| 3    | ALLEN  | OLSON MANION STOLL | 11      |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 31-Jul-97 |

Kansas Corporation Commission  
Priority 1 and Priority 2 Wells  
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12/16/97

| DIST | COUNTY | LEASE NAME         | WELL NO | 1/4 OF | 1/4 OF | 1/4 OF | SEC | TWN | RNG | DIR | TYPE | LEVEL | PRI | FFREQ     |
|------|--------|--------------------|---------|--------|--------|--------|-----|-----|-----|-----|------|-------|-----|-----------|
| 3    | ALLEN  | OLSON MANION STOLL | 12      |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 31-Jul-97 |
| 3    | ALLEN  | OLSON MANION STOLL | 2       |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 31-Jul-97 |
| 3    | ALLEN  | OLSON MANION STOLL | 3       |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 31-Jul-97 |
| 3    | ALLEN  | OLSON MANION STOLL | 4       |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 31-Jul-97 |
| 3    | ALLEN  | OLSON MANION STOLL | 5       |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 31-Jul-97 |
| 3    | ALLEN  | OLSON MANION STOLL | 6       |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 31-Jul-97 |
| 3    | ALLEN  | OLSON MANION STOLL | 8       |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 31-Jul-97 |
| 3    | ALLEN  | OLSON MANION STOLL | 9       |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 31-Jul-97 |
| 3    | ALLEN  | OLSON MANION STOLL | A       |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 31-Jul-97 |
| 3    | ALLEN  | OLSON MANION STOLL | B       |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 31-Jul-97 |
| 3    | ALLEN  | OLSON MANION STOLL | C       |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 08-Oct-97 |
| 3    | ALLEN  | OLSON MANION STOLL | D       |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 08-Oct-97 |
| 3    | ALLEN  | OLSON MANION STOLL | E       |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 08-Oct-97 |
| 3    | ALLEN  | OLSON MANION STOLL | F       |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 08-Oct-97 |
| 3    | ALLEN  | OLSON MANION STOLL | G       |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 08-Oct-97 |
| 3    | ALLEN  | OLSON MANION STOLL | H       |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 08-Oct-97 |
| 3    | ALLEN  | OLSON MANION STOLL | I       |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 08-Oct-97 |
| 3    | ALLEN  | OLSON MANION STOLL | J       |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 08-Oct-97 |
| 3    | ALLEN  | OLSON MANION STOLL | WW      |        |        | NW     | 10  | 26  | 18  | E   | GW   | B     | 1   | 31-Jul-97 |
| 3    | ALLEN  | BARNETT            | 1       |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 23-Jun-97 |
| 3    | ALLEN  | BARNETT            | 10      |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | 11      |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | 14      |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | 14A     |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | 16B     |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | 17      |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 23-Jun-97 |
| 3    | ALLEN  | BARNETT            | 17A     |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | 1A      |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 23-Jun-97 |
| 3    | ALLEN  | BARNETT            | 21      |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | 4       |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 23-Jun-97 |
| 3    | ALLEN  | BARNETT            | 5       |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 23-Jun-97 |
| 3    | ALLEN  | BARNETT            | 7       |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | 7WI     |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | A       |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | A10     |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | A11     |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | B       |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | B8      |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | C       |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | D       |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | E       |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | F       |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | G       |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | H       | NE     | SE     | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 20-Jun-96 |
| 3    | ALLEN  | BARNETT            | I       | NE     | SE     | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 20-Jun-96 |
| 3    | ALLEN  | BARNETT            | J       |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | K       |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | L       |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | M       |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | N       |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BARNETT            | O       |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 23-Jun-97 |
| 3    | ALLEN  | BARNETT            | W5      |        |        | SW     | 18  | 26  | 18  | E   | GW   | B     | 1   | 05-Mar-97 |
| 3    | ALLEN  | BURTISS            | 12      |        |        | SE     | 18  | 26  | 18  | E   | GW   | B     | 1   | 01-Jan-96 |
| 3    | ALLEN  | BURTISS            | 13      |        |        | SE     | 18  | 26  | 18  | E   | GW   | B     | 1   | 01-Jan-96 |
| 3    | ALLEN  | BURTISS            | 14      |        |        | SE     | 18  | 26  | 18  | E   | GW   | B     | 1   | 26-Jun-96 |

Kansas Corporation Commission  
 Priority 1 and Priority 2 Wells  
 Plugged or Have Received Authorization to Plug

12/16/97

| DIST | COUNTY | LEASE NAME | WELL NO | 1/4 OF | 1/4 OF | 1/4 OF | SEC | TWN | RNG | DIR | TYPE | LEVEL | PRI | FFREQ     |
|------|--------|------------|---------|--------|--------|--------|-----|-----|-----|-----|------|-------|-----|-----------|
| 3    | ALLEN  | BURTISS    | 15      |        |        | SE     | 18  | 26  | 18  | E   | GW   | B     | 1   | 26-Jun-96 |
| 3    | ALLEN  | FRAKER     | 9       |        |        | NE     | 18  | 26  | 18  | E   | GW   | B     | 1   | 20-Jun-96 |
| 3    | ALLEN  | WILSON     | 1       |        | SE     | NW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 10      |        | SE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 11      |        | SE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 12      |        | SW     | SE     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 15      |        | NE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 16      |        | NE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 17      |        | NE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 18      |        | NE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 19W     |        | SE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 20      |        | SE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 22      |        | SE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 23      |        | NE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 24      |        | NE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 25      |        | NE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 29      |        | NE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 3       |        | SW     | SE     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 31      |        | SE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 32      |        | SE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 4       |        | SE     | NW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 401     |        | NE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 402     |        | SE     | NW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 404     |        | NE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 406     |        | SE     | NW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 408     |        | SE     | NW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 6       | E2     | E2     | W2     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 7       | W2     | E2     | W2     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 89      |        | SW     | SE     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | 9       |        | SE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | A       |        | SW     | NW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | A98     |        | NW     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | B       |        | SW     | SE     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | C       |        | SW     | SE     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | D       |        | SW     | SE     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | WILSON     | E       |        | NE     | SW     | 29  | 26  | 18  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | ALLEN  | DANIELS    | 1       |        |        | NE     | 26  | 26  | 20  | E   | GW   | C     | 1   | 26-Jun-96 |
| 3    | ALLEN  | JACKSON    | 1-NW    |        |        | NW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN  | JACKSON    | 1-SE    |        |        | SE     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN  | JACKSON    | 1-SW    |        |        | SW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN  | JACKSON    | 10-NW   |        |        | NW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN  | JACKSON    | 10-SE   |        |        | SE     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN  | JACKSON    | 10-SW   |        |        | SW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN  | JACKSON    | 11-SE   |        |        | SE     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN  | JACKSON    | 11-SW   |        |        | SW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN  | JACKSON    | 12-SE   |        |        | SE     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN  | JACKSON    | 15-SE   |        |        | SE     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN  | JACKSON    | 2-NW    |        |        | NW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN  | JACKSON    | 2-SE    |        |        | SE     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN  | JACKSON    | 2-SW    |        |        | SW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN  | JACKSON    | 3-NW    |        |        | NW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN  | JACKSON    | 3-SE    |        |        | SE     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN  | JACKSON    | 3-SW    |        |        | SW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN  | JACKSON    | 4-NW    |        |        | NW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN  | JACKSON    | 4-SE    |        |        | SE     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |

Kansas Corporation Commission  
Priority 1 and Priority 2 Wells  
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12/16/97

| DIST | COUNTY    | LEASE NAME  | WELL NO | 1/4 OF | 1/4 OF | 1/4 OF | SEC | TWN | RNG | DIR | TYPE | LEVEL | PRI | FFREQ     |
|------|-----------|-------------|---------|--------|--------|--------|-----|-----|-----|-----|------|-------|-----|-----------|
| 3    | ALLEN     | JACKSON     | 4-SW    |        |        | SW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN     | JACKSON     | 5-NW    |        |        | NW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN     | JACKSON     | 5-SE    |        |        | SE     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN     | JACKSON     | 5-SW    |        |        | SW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN     | JACKSON     | 6-NW    |        |        | NW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN     | JACKSON     | 6-SE    |        |        | SE     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN     | JACKSON     | 6-SW    |        |        | SW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN     | JACKSON     | 7-SE    |        |        | SE     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN     | JACKSON     | 7-SW    |        |        | SW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN     | JACKSON     | 8-SE    |        |        | SE     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN     | JACKSON     | 8-SW    |        |        | SW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN     | JACKSON     | 9-NW    |        |        | NW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN     | JACKSON     | 9-SE    |        |        | SE     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ALLEN     | JACKSON     | 9-SW    |        |        | SW     | 20  | 26  | 21  | E   | GW   | C     | 1   | 31-Jul-97 |
| 3    | ANDERSON  | PAT ROCKERS | 1       |        |        | NW     | 29  | 19  | 21  | E   | PS   | A     | 1   | 03-Jan-97 |
| 3    | ANDERSON  | PAT ROCKERS | 2       |        |        | NW     | 29  | 19  | 21  | E   | PS   | A     | 1   | 03-Jan-97 |
| 3    | ANDERSON  | PAT ROCKERS | 3       |        |        | NW     | 29  | 19  | 21  | E   | PS   | A     | 1   | 03-Jan-97 |
| 3    | ANDERSON  | PAT ROCKERS | 11      |        |        | NW     | 29  | 19  | 21  | E   | PS   | A     | 1   | 03-Jan-97 |
| 3    | ANDERSON  | PAT ROCKERS | 12      |        |        | NW     | 29  | 19  | 21  | E   | PS   | A     | 1   | 03-Jan-97 |
| 3    | ANDERSON  | PAT ROCKERS | 13      |        |        | NW     | 29  | 19  | 21  | E   | PS   | A     | 1   | 03-Jan-97 |
| 3    | ANDERSON  | D HASTERT   | 3       | NE     | SE     | NE     | 10  | 20  | 20  | E   | PS   | A     | 1   | 06-Sep-96 |
| 3    | ANDERSON  | D HASTERT   | OW-1    |        |        | NE     | 10  | 20  | 20  | E   | PS   | A     | 1   | 29-Jan-97 |
| 3    | ANDERSON  | MANNERS     | 5       |        |        | NW     | 6   | 21  | 20  | E   | GW   | C     | 1   | 20-Jun-96 |
| 3    | ANDERSON  | SAYERS      | 1       |        |        | NW     | 22  | 21  | 21  | E   | PS   | A     | 1   | 03-Jan-97 |
| 3    | ANDERSON  | SAYERS      | 2       |        |        | NW     | 22  | 21  | 21  | E   | PS   | A     | 1   | 03-Jan-97 |
| 3    | ANDERSON  | SAYERS      | 3       |        |        | NW     | 22  | 21  | 21  | E   | PS   | A     | 1   | 03-Jan-97 |
| 3    | ANDERSON  | BENNETT     | 1       |        |        | SE     | 8   | 23  | 19  | E   | GW   | A     | 1   | 26-Jun-96 |
| 3    | BOURBON   | WILSON      | 1       |        |        | NW     | 6   | 27  | 22  | E   | GW   | B     | 1   | 28-Apr-97 |
| 3    | BOURBON   | WILSON      | 10      |        |        | NW     | 6   | 27  | 22  | E   | GW   | B     | 1   | 28-Apr-97 |
| 3    | BOURBON   | WILSON      | 11      |        |        | NW     | 6   | 27  | 22  | E   | GW   | B     | 1   | 28-Apr-97 |
| 3    | BOURBON   | WILSON      | 12      |        |        | NW     | 6   | 27  | 22  | E   | GW   | B     | 1   | 28-Apr-97 |
| 3    | BOURBON   | WILSON      | 2       |        |        | NW     | 6   | 27  | 22  | E   | GW   | B     | 1   | 28-Apr-97 |
| 3    | BOURBON   | WILSON      | 3       |        |        | NW     | 6   | 27  | 22  | E   | GW   | B     | 1   | 28-Apr-97 |
| 3    | BOURBON   | WILSON      | 4       |        |        | NW     | 6   | 27  | 22  | E   | GW   | B     | 1   | 28-Apr-97 |
| 3    | BOURBON   | WILSON      | 5       |        |        | NW     | 6   | 27  | 22  | E   | GW   | B     | 1   | 28-Apr-97 |
| 3    | BOURBON   | WILSON      | 6       |        |        | NW     | 6   | 27  | 22  | E   | GW   | B     | 1   | 28-Apr-97 |
| 3    | BOURBON   | WILSON      | 7       |        |        | NW     | 6   | 27  | 22  | E   | GW   | B     | 1   | 28-Apr-97 |
| 3    | BOURBON   | WILSON      | 8       |        |        | NW     | 6   | 27  | 22  | E   | GW   | B     | 1   | 28-Apr-97 |
| 3    | BOURBON   | WILSON      | 9       |        |        | NW     | 6   | 27  | 22  | E   | GW   | B     | 1   | 28-Apr-97 |
| 3    | CHAUTAQUA | ENGLISH     | 1       | NW     | SW     | SE     | 27  | 33  | 12  | E   | SW   | A     | 1   | 29-Jul-96 |
| 3    | CHAUTAQUA | ENGLISH     | 2       | NW     | SW     | SE     | 27  | 33  | 12  | E   | SW   | A     | 1   | 29-Jul-96 |
| 3    | DOUGLAS   | NEIS        | 10      | NE     | NE     | NW     | 25  | 13  | 20  | E   | GW   | C     | 1   | 17-Sep-96 |
| 3    | DOUGLAS   | NEIS        | 11      | SW     | NE     | NW     | 25  | 13  | 20  | E   | GW   | C     | 1   | 17-Sep-96 |
| 3    | DOUGLAS   | NEIS        | 12      | SE     | NW     | NW     | 25  | 13  | 20  | E   | GW   | C     | 1   | 17-Sep-96 |
| 3    | DOUGLAS   | NEIS        | 1A      | NW     | NW     | NW     | 25  | 13  | 20  | E   | GW   | C     | 1   | 17-Sep-96 |
| 3    | DOUGLAS   | NEIS        | 8       | NE     | NE     | NW     | 25  | 13  | 20  | E   | GW   | C     | 1   | 17-Sep-96 |
| 3    | DOUGLAS   | NEIS        | 9       | NE     | NW     | NW     | 25  | 13  | 20  | E   | GW   | C     | 1   | 17-Sep-96 |
| 3    | FRANKLIN  | BIG TULLOSS | 1       |        |        | SE     | 27  | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN  | BIG TULLOSS | 10      |        |        | NE     | 27  | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN  | BIG TULLOSS | 11      |        |        | NE     | 27  | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN  | BIG TULLOSS | 12      |        |        | NE     | 27  | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN  | BIG TULLOSS | 13      |        |        | NE     | 27  | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN  | BIG TULLOSS | 14      |        |        | NE     | 27  | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN  | BIG TULLOSS | 15      |        |        | NE     | 27  | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN  | BIG TULLOSS | 16      |        |        | NE     | 27  | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |

Kansas Corporation Commission  
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12/16/97

| DIST | COUNTY   | LEASE NAME  | WELL NO | 1/4 OF | 1/4 OF | 1/4 OF | SEC | TWN | RNG | DIR | TYPE | LEVEL | PRI | FFREQ |           |
|------|----------|-------------|---------|--------|--------|--------|-----|-----|-----|-----|------|-------|-----|-------|-----------|
| 3    | FRANKLIN | BIG TULLOSS | 17      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 18      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 19      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 2       |        |        |        | SE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 20      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 21      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 22      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 23      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 24      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 25      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 26      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 27      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 28      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 29      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 3       |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 30      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 32      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 33      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 34      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 35      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 36      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 37      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 38      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 39      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 4       |        |        |        | SE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 40      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 41      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 42      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 43      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 44      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 45      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 46      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 47      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 48      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 49      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 5       |        |        |        | SE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 50      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 51      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 52      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 53      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 54      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 55      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 56      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 57      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 58      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 59      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 6       |        |        |        | SE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 60      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 61      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 62      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 63      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 64      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 65      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 66      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |
| 3    | FRANKLIN | BIG TULLOSS | 67      |        |        |        | NE  | 27  | 17  | 21  | E    | GW    | A   | 1     | 10-Jul-97 |



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| DIST | COUNTY      | LEASE NAME           | WELL NO | 1/4 OF | 1/4 OF | 1/4 OF | SEC   | TWN | RNG | DIR | TYPE | LEVEL | PRI | FFREQ     |
|------|-------------|----------------------|---------|--------|--------|--------|-------|-----|-----|-----|------|-------|-----|-----------|
| 3    | FRANKLIN    | BIG TULLOSS          | 68      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 69      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 7       |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 70      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 71      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 72      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 73      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 74      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 75      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 76      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 77      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 78      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 79      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 8       |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 80      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 81      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 82      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 83      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 84      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 85      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 86      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 87      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 88      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 89      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 9       |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 90      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | FRANKLIN    | BIG TULLOSS          | 91      |        |        |        | NE 27 | 17  | 21  | E   | GW   | A     | 1   | 10-Jul-97 |
| 3    | GREENWOOD   | HALSELL              | W-13    |        |        |        | 9     | 27  | 13  | E   | GW   | C     | 1   | 16-Apr-96 |
| 3    | GREENWOOD   | HALSELL              | W-14    |        |        |        | 9     | 27  | 13  | E   | GW   | C     | 1   | 16-Apr-96 |
| 3    | GREENWOOD   | HALSELL              | W-15    |        |        |        | 9     | 27  | 13  | E   | GW   | C     | 1   | 16-Apr-96 |
| 3    | GREENWOOD   | HALSELL FOUND        | 1       |        |        |        | 9     | 27  | 13  | E   | GW   | C     | 1   | 16-Apr-96 |
| 3    | GREENWOOD   | HALSELL FOUND        | 2       |        |        |        | 9     | 27  | 13  | E   | GW   | C     | 1   | 16-Apr-96 |
| 3    | GREENWOOD   | HALSELL FOUND        | 3       |        |        |        | 9     | 27  | 13  | E   | GW   | C     | 1   | 16-Apr-96 |
| 3    | GREENWOOD   | HALSELL FOUND        | 4       |        |        |        | 9     | 27  | 13  | E   | GW   | C     | 1   | 16-Apr-96 |
| 3    | GREENWOOD   | HALSELL FOUND        | W-11    |        |        |        | 9     | 27  | 13  | E   | GW   | C     | 1   | 16-Apr-96 |
| 3    | GREENWOOD   | HALSELL FOUND        | W-12    |        |        |        | 9     | 27  | 13  | E   | GW   | C     | 1   | 16-Apr-96 |
| 3    | JOHNSON     | PATT. / WOOL./CROSS. | OW 1    | NE     | NW     | NW     | 16    | 13  | 24  | E   | PS   | A     | 1   | 14-Oct-97 |
| 3    | LABETTE     | RUBY GOODWIN         | OG1     | SE     | SE     | SE     | 26    | 31  | 19  | E   | GW   | A     | 1   | 04-Sep-97 |
| 3    | LABETTE     | EDDY HAMPSON OW      | 2       |        |        | SW     | 7     | 32  | 18  | E   | GW   | A     | 1   | 07-Aug-96 |
| 3    | LABETTE     | EDDY HAMPSON OW      | 3       |        |        | NW     | 7     | 32  | 18  | E   | GW   | A     | 1   | 07-Aug-96 |
| 3    | LEAVENWORTH | EDMONDS              | I-90    |        |        |        | NE 25 | 09  | 20  | E   | GW   | A     | 1   | 15-Jul-97 |
| 3    | LINN        | STROUP               | 31B4    |        |        |        | SE 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |
| 3    | LINN        | STROUP               | 31B6    |        |        |        | SE 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |
| 3    | LINN        | STROUP               | 31B8    |        |        |        | SE 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |
| 3    | LINN        | STROUP               | 31D10   |        |        |        | SE 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |
| 3    | LINN        | STROUP               | 31D4    |        |        |        | SE 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |
| 3    | LINN        | STROUP               | 31D6    |        |        |        | SE 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |
| 3    | LINN        | STROUP               | 31D8    |        |        |        | SE 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |
| 3    | LINN        | STROUP               | 31F10   |        |        |        | SE 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |
| 3    | LINN        | STROUP               | 31F12   |        |        |        | SE 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |
| 3    | LINN        | STROUP               | 31F2    |        |        |        | SE 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |
| 3    | LINN        | STROUP               | 31F4    |        |        |        | SE 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |
| 3    | LINN        | STROUP               | 31F6    |        |        |        | SE 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |
| 3    | LINN        | STROUP               | 31F8    |        |        |        | SE 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |
| 3    | LINN        | STROUP               | 31H10   |        |        |        | SE 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |

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|------|------------|--------------------|-----------|--------|--------|--------|-------|-----|-----|-----|------|-------|-----|-----------|
| 3    | LINN       | STROUP             | 31H12     |        |        |        | SE 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |
| 3    | LINN       | STROUP             | OW1       |        |        |        | SE 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |
| 3    | LINN       | STROUP             | OW2       |        |        |        | SE 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |
| 3    | LINN       | STROUP             | OW3       |        |        |        | SE 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |
| 3    | LINN       | STROUP             | OW4       |        |        |        | SW 31 | 19  | 23  | E   | GW   | C     | 1   | 04-Sep-97 |
| 3    | LINN       | WINDISCH           | OW-1-97   | N2     | NW     |        | NW 6  | 20  | 23  | E   | PS   | A     | 1   | 19-Feb-97 |
| 3    | LINN       | SAYERS             | OW1       |        |        |        | NW 23 | 21  | 21  | E   | PS   | A     | 1   | 03-Jan-97 |
| 3    | LINN       | JOHNSON            | 1         |        |        |        | SW 13 | 21  | 22  | E   | GW   | C     | 1   | 07-Apr-97 |
| 3    | LINN       | JOHNSON            | 2         |        |        |        | SW 13 | 21  | 22  | E   | GW   | C     | 1   | 07-Apr-97 |
| 3    | LINN       | JOHNSON            | 3         |        |        |        | SW 13 | 21  | 22  | E   | GW   | C     | 1   | 07-Apr-97 |
| 3    | LINN       | JOHNSON            | 4         |        |        |        | SW 13 | 21  | 22  | E   | GW   | C     | 1   | 07-Apr-97 |
| 3    | LINN       | JOHNSON            | 5         |        |        |        | SW 13 | 21  | 22  | E   | GW   | C     | 1   | 07-Apr-97 |
| 3    | LINN       | JOHNSON            | 6         |        |        |        | SW 13 | 21  | 22  | E   | GW   | C     | 1   | 07-Apr-97 |
| 3    | LINN       | MODEL              | OW-1-96   |        |        |        | SW 11 | 21  | 23  | E   | SW   | A     | 1   | 29-Jul-96 |
| 3    | MIAMI      | GRANT              | 1         |        |        |        | NE 35 | 16  | 21  | E   | GW   | C     | 1   | 05-Mar-96 |
| 3    | MIAMI      | GRANT              | 2         |        |        |        | NE 35 | 16  | 21  | E   | GW   | C     | 1   | 05-Mar-96 |
| 3    | MIAMI      | GRANT              | 3         |        |        |        | NE 35 | 16  | 21  | E   | GW   | C     | 1   | 05-Mar-96 |
| 3    | MIAMI      | GRANT              | 4         |        |        |        | NE 35 | 16  | 21  | E   | GW   | C     | 1   | 05-Mar-96 |
| 3    | MIAMI      | GRANT              | 5         |        |        |        | NE 35 | 16  | 21  | E   | GW   | C     | 1   | 05-Mar-96 |
| 3    | MIAMI      | GRANT              | 6         |        |        |        | NE 35 | 16  | 21  | E   | GW   | C     | 1   | 05-Mar-96 |
| 3    | MIAMI      | GRANT              | 7         |        |        |        | NE 35 | 16  | 21  | E   | GW   | C     | 1   | 05-Mar-96 |
| 3    | MIAMI      | ABC - MINDON OW    | 1         |        |        |        | SW 22 | 17  | 22  | E   | SW   | A     | 1   | 26-Jun-96 |
| 3    | MONTGOMERY | WOLFE OG           | 1         | SE     | SE     |        | NW 7  | 31  | 16  | E   | GW   | A     | 1   | 19-Jul-96 |
| 3    | MONTGOMERY | LEO BATES          | 1         |        | S2     |        | NE 9  | 31  | 16  | E   | GW   | A     | 1   | 15-Jul-97 |
| 3    | MONTGOMERY | SUMMERSON          | 105-E     |        |        |        | SW 33 | 31  | 17  | E   | SW   | A     | 1   | 21-Mar-97 |
| 3    | MONTGOMERY | SUMMERSON          | D-3       |        |        |        | SW 33 | 31  | 17  | E   | SW   | A     | 1   | 21-Mar-97 |
| 3    | MONTGOMERY | SUMMERSON          | D-4       |        |        |        | SW 33 | 31  | 17  | E   | SW   | A     | 1   | 21-Mar-97 |
| 3    | MONTGOMERY | LYNDON ASH         | 1         | NE     | NE     | NE     | 7     | 32  | 14  | E   | PS   | A     | 1   | 16-May-97 |
| 3    | MONTGOMERY | USA MCMILLIN       | 2         | NE     | NE     | NE     | 7     | 32  | 14  | E   | SW   | A     | 1   | 16-May-97 |
| 3    | MONTGOMERY | OLIVER             | 1         | NW     | SW     | SW     | 20    | 32  | 14  | E   | GW   | A     | 1   | 16-May-96 |
| 3    | MONTGOMERY | GOODE              | OGW       | SW     | NW     | NE     | 2     | 32  | 16  | E   | GW   | A     | 1   | 02-May-97 |
| 3    | MONTGOMERY | REICHENBERGER      | 1         | NE     | SE     | NE     | 19    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | REICHENBERGER      | 11        | SE     | NE     | SE     | 19    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | REICHENBERGER      | 21        | SE     | SE     | NE     | 19    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | REICHENBERGER      | 22        | SW     | SE     | NE     | 19    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | REICHENBERGER      | 23        | SW     | SE     | NE     | 19    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | REICHENBERGER      | 24        | SE     | SE     | NE     | 19    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | REICHENBERGER      | 25        | SE     | SE     | NE     | 19    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | REICHENBERGER      | 26        | NE     | NE     | SE     | 19    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | REICHENBERGER      | 27        | NE     | NE     | SE     | 19    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | REICHENBERGER      | 28        | NW     | NE     | SE     | 19    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | REICHENBERGER      | 31        | NE     | NE     | SE     | 19    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | REICHENBERGER      | 32        | SE     | NE     | SE     | 19    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | REICHENBERGER      | 33        | SE     | NE     | SE     | 19    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | REICHENBERGER      | 34        | SW     | NE     | SE     | 19    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | REICHENBERGER      | 37        | SE     | NE     | SE     | 19    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | REICHENBERGER      | 5         | NE     | NE     | SE     | 19    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | REICHENBERGER      | 6         | SE     | SE     | NE     | 19    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | REICHENBERGER      | 7         | NE     | SE     | NE     | 19    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | REICHENBERGER      | D-1-B     | NW     | NW     | SW     | 20    | 32  | 16  | E   | GW   | A     | 1   | 20-Aug-97 |
| 3    | MONTGOMERY | KECK               | OG1       | SE     | NE     | SE     | 35    | 32  | 16  | E   | GW   | A     | 1   | 02-Oct-97 |
| 3    | MONTGOMERY | MCGUIRE            | 1         | SE     | NW     | NW     | 4     | 32  | 17  | E   | SW   | A     | 1   | 21-Mar-97 |
| 3    | MONTGOMERY | CITY OF CHERRYVALE | RR        | NW     | NW     | SW     | 9     | 32  | 17  | E   | PS   | A     | 1   | 28-May-97 |
| 3    | MONTGOMERY | CITY OF CHERRYVALE | 510 E 5TH |        |        |        | NE 16 | 32  | 17  | E   | PS   | A     | 1   | 22-Oct-97 |
| 3    | MONTGOMERY | SIMMONS            | 1         | SE     | NE     | SW     | 19    | 33  | 14  | E   | SW   | A     | 1   | 04-Apr-97 |

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| DIST | COUNTY     | LEASE NAME       | WELL NO  | 1/4 OF | 1/4 OF | 1/4 OF | SEC | TWN | RNG | DIR | TYPE | LEVEL | PRI | FFREQ     |
|------|------------|------------------|----------|--------|--------|--------|-----|-----|-----|-----|------|-------|-----|-----------|
| 3    | MONTGOMERY | VEJL-MANTOOTH OW | 2        |        | NW     | NE     | 29  | 33  | 14  | E   | SW   | A     | 1   | 16-May-96 |
| 3    | MONTGOMERY | ERHART           | 01       | NE     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 04-Dec-96 |
| 3    | MONTGOMERY | ERHART           | 10       | NW     | NE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART           | 11       | NE     | NE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART           | 12       | NE     | NE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART           | 129-858  | W2     | E2     | W2     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 129-863  | E2     | E2     | W2     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 129-867  |        | C      |        | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART           | 129-876  | NE     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART           | 129-885  | NW     | NE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 04-Dec-96 |
| 3    | MONTGOMERY | ERHART           | 133-863  | NE     | NE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 133-867  | NE     | NE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 133-872  | NW     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART           | 133-876  | NE     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART           | 133-881P | NE     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART           | 133-885  | NW     | NE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART           | 133-889  | NE     | NE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART           | 133-894  | NE     | NE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART           | 137-858  | SE     | NE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 08-Mar-96 |
| 3    | MONTGOMERY | ERHART           | 137-863  | SE     | NE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 08-Mar-96 |
| 3    | MONTGOMERY | ERHART           | 137-867  | SE     | NE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 08-Mar-96 |
| 3    | MONTGOMERY | ERHART           | 137-872  | SW     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART           | 137-876  | SE     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART           | 137-881  | SE     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART           | 142-863  | NE     | SE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 142-867  | NE     | SE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 142-872  | NW     | SW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 08-Apr-96 |
| 3    | MONTGOMERY | ERHART           | 142-876  | SE     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART           | 142-894  | NE     | SE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART           | 146-858  | NW     | SE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 146-863  | NE     | SE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 146-867  | NE     | SE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 146-872  | NW     | SW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 146-876  | NE     | SW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 151-858  | SW     | SE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 151-863  | SE     | SE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 151-867  | SE     | SE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 151-872  | SW     | SW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 151-876  | SE     | SW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 151-894  | SE     | SE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART           | 155-858  | SW     | SE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 155-876  | SE     | SW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 11-Nov-11 |
| 3    | MONTGOMERY | ERHART           | 18       | SE     | NE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 18-A     | SW     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 19       | SW     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART           | 20W      | NW     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART           | 21       | SE     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART           | 22       | SW     | NE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART           | 23       | NE     | NE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART           | 24       | SE     | NE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART           | 30       | SE     | NE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 32       | SE     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART           | 32A      | C      | W2     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART           | 33       | SE     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART           | 34C      | SW     | NE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 04-Dec-96 |

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Kansas Corporation Commission  
Priority 1 and Priority 2 Wells  
Plugged or Have Received Authorization to Plug

12/16/97

| DIST | COUNTY     | LEASE NAME        | WELL NO | 1/4 OF | 1/4 OF | 1/4 OF | SEC | TWN | RNG | DIR | TYPE | LEVEL | PRI | FFREQ     |
|------|------------|-------------------|---------|--------|--------|--------|-----|-----|-----|-----|------|-------|-----|-----------|
| 3    | MONTGOMERY | ERHART            | 36-W    | SE     | NE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART            | 42      | NE     | SE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART            | 43      | NW     | SW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 01-Jan-95 |
| 3    | MONTGOMERY | ERHART            | 44      | NW     | SW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 08-Apr-96 |
| 3    | MONTGOMERY | ERHART            | 47W     | NE     | SE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART            | 48      | NE     | SE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART            | 53      | SW     | SE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART            | 54      | SE     | SE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART            | 55      | SW     | SW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART            | 56      | SW     | SW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART            | 59      | SE     | SE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART            | 60      | SE     | SE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART            | 64      | SW     | SE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART            | 65      | SW     | SE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART            | 66      | SE     | SE     | SW     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART            | 67      | SW     | SW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART            | 68      | SE     | SW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART            | 69      | SE     | SW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | ERHART            | 7       | NW     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART            | 70      | SW     | SE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART            | 71      | SE     | SE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART            | 72      | SE     | SE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART            | 8       | NW     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART            | 9       | NE     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART            | C       | S2     | SE     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 19-Sep-96 |
| 3    | MONTGOMERY | ERHART            | E       | NW     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART            | F       | SW     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART            | G       | SW     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART            | H       | SE     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART            | I       | SE     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART            | J       | NE     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART            | K       | NE     | NW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 22-Jul-96 |
| 3    | MONTGOMERY | ERHART            | WS-2    | SW     | SW     | SE     | 7   | 33  | 15  | E   | GW   | A     | 1   | 31-Mar-97 |
| 3    | MONTGOMERY | GAY-GORDON        | 20      |        |        |        | 18  | 33  | 15  | E   | GW   | A     | 1   | 08-Mar-96 |
| 3    | MONTGOMERY | GAY-GORDON        | 21      |        |        |        | 18  | 33  | 15  | E   | GW   | A     | 1   | 08-Apr-96 |
| 3    | MONTGOMERY | GAY-GORDON        | 22      |        |        |        | 18  | 33  | 15  | E   | GW   | A     | 1   | 08-Apr-96 |
| 3    | MONTGOMERY | GAY-GORDON        | 23      |        |        |        | 18  | 33  | 15  | E   | GW   | A     | 1   | 08-Mar-96 |
| 3    | MONTGOMERY | GAY-GORDON        | 24      |        |        |        | 18  | 33  | 15  | E   | GW   | A     | 1   | 08-Mar-96 |
| 3    | MONTGOMERY | GAY-GORDON        | 25      |        |        |        | 18  | 33  | 15  | E   | GW   | A     | 1   | 08-Mar-96 |
| 3    | MONTGOMERY | INDEPENDENCE      | OW-4    |        | NW     | NW     | 22  | 33  | 15  | E   | GW   | A     | 1   | 06-Jan-97 |
| 3    | MONTGOMERY | HELEN BOWER       | 1       | SW     | NW     | SW     | 32  | 33  | 15  | E   | GW   | A     | 1   | 26-Sep-96 |
| 3    | MONTGOMERY | LIBERTY LAKE OG   | 3       | NW     | NE     | SW     | 25  | 33  | 16  | E   | GW   | A     | 1   | 16-May-96 |
| 3    | MONTGOMERY | FELT OG           | 1       | SE     | SE     | NE     | 26  | 33  | 16  | E   | GW   | A     | 1   | 23-May-96 |
| 3    | MONTGOMERY | WALLS-DAVIS       | 1A      | NE     | NE     | SE     | 36  | 34  | 14  | E   | GW   | A     | 1   | 29-Aug-97 |
| 3    | MONTGOMERY | JOHN LASSLEY WEST | 1       |        |        | SW     | 10  | 34  | 15  | E   | GW   | A     | 1   | 23-Sep-96 |
| 3    | MONTGOMERY | JIM LOGAN OG      | 1       |        |        | SE     | 10  | 34  | 16  | E   | PS   | A     | 1   | 16-May-96 |
| 3    | MONTGOMERY | SWIFT LANE        | 764     |        |        | SW     | 29  | 34  | 16  | E   | PS   | A     | 1   | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER            | 1       |        |        | SW     | 20  | 34  | 17  | E   | GW   | A     | 1   | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER            | 10      |        |        | NW     | 20  | 34  | 17  | E   | GW   | A     | 1   | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER            | 11      |        |        | NW     | 20  | 34  | 17  | E   | GW   | A     | 1   | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER            | 12      |        |        | SW     | 20  | 34  | 17  | E   | GW   | A     | 1   | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER            | 13      |        |        | NW     | 20  | 34  | 17  | E   | GW   | A     | 1   | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER            | 14      |        |        | NW     | 20  | 34  | 17  | E   | GW   | A     | 1   | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER            | 15      |        |        | NW     | 20  | 34  | 17  | E   | GW   | A     | 1   | 15-Jul-97 |

Kansas Corporation Commission  
Priority 1 and Priority 2 Wells  
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12/16/97

| DIST | COUNTY     | LEASE NAME | WELL NO | 1/4 OF | 1/4 OF | 1/4 OF | SEC | TWN | RNG | DIR | TYPE | LEVEL | PRI | FFREQ |           |
|------|------------|------------|---------|--------|--------|--------|-----|-----|-----|-----|------|-------|-----|-------|-----------|
| 3    | MONTGOMERY | MULLER     | 16      |        |        |        | SW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 17      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 18      |        |        |        | SW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 19      |        |        |        | SW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 2       |        |        |        | SW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 20      |        |        |        | SW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 21      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 22      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 23      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 24      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 25      |        |        |        | SW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 27      |        |        |        | SW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 29      |        |        |        | SW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 3       |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 30      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 31      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 32      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 33      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 34      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 35      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 36      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 37      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 38      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 39      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 4       |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 40      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 41      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 42      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 43      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 44      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 45      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 46      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 47      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 48      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 5       |        |        |        | SW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 50      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 51      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 52      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 53      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 54      |        |        |        | NW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 6       |        |        |        | SW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 7       |        |        |        | SW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | MONTGOMERY | MULLER     | 9       |        |        |        | SW  | 20  | 34  | 17  | E    | GW    | A   | 1     | 15-Jul-97 |
| 3    | NEOSHO     | NELSON     | 17      |        |        |        | NW  | 3   | 27  | 18  | E    | GW    | A   | 1     | 03-Nov-97 |
| 3    | NEOSHO     | NELSON     | 19      |        |        |        | NW  | 3   | 27  | 18  | E    | GW    | A   | 1     | 03-Nov-97 |
| 3    | NEOSHO     | NELSON     | 20      |        |        |        | NW  | 3   | 27  | 18  | E    | GW    | A   | 1     | 03-Nov-97 |
| 3    | NEOSHO     | BARKER     | 10      |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO     | BARKER     | 100     |        |        |        | W2  | 4   | 27  | 18  | E    | GW    | A   | 1     | 24-Jan-97 |
| 3    | NEOSHO     | BARKER     | 101     |        |        |        | W2  | 4   | 27  | 18  | E    | GW    | A   | 1     | 24-Jan-97 |
| 3    | NEOSHO     | BARKER     | 103     |        |        |        | W2  | 4   | 27  | 18  | E    | GW    | A   | 1     | 24-Jan-97 |
| 3    | NEOSHO     | BARKER     | 104     |        |        |        | W2  | 4   | 27  | 18  | E    | GW    | A   | 1     | 24-Jan-97 |
| 3    | NEOSHO     | BARKER     | 105     |        |        |        | W2  | 4   | 27  | 18  | E    | GW    | A   | 1     | 24-Jan-97 |
| 3    | NEOSHO     | BARKER     | 106     |        |        |        | W2  | 4   | 27  | 18  | E    | GW    | A   | 1     | 24-Jan-97 |
| 3    | NEOSHO     | BARKER     | 107     |        |        |        | W2  | 4   | 27  | 18  | E    | GW    | A   | 1     | 24-Jan-97 |
| 3    | NEOSHO     | BARKER     | 108     |        |        |        | W2  | 4   | 27  | 18  | E    | GW    | A   | 1     | 24-Jan-97 |

Kansas Corporation Commission  
Priority 1 and Priority 2 Wells  
Plugged or Have Received Authorization to Plug

12/16/97

| DIST | COUNTY | LEASE NAME | WELL NO | 1/4 OF | 1/4 OF | 1/4 OF | SEC | TWN | RNG | DIR | TYPE | LEVEL | PRI | FFREQ |           |
|------|--------|------------|---------|--------|--------|--------|-----|-----|-----|-----|------|-------|-----|-------|-----------|
| 3    | NEOSHO | BARKER     | 109     |        |        |        | W2  | 4   | 27  | 18  | E    | GW    | A   | 1     | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 11      |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 110     |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 111     |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 12      |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 122     |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 05-Nov-97 |
| 3    | NEOSHO | BARKER     | 13      |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 14      |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 15      |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 16      |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 17      |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 18      |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 19      |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 2       |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 20      |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 21      |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 22      |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 23      | E2     | E2     |        | W2  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 24      | SW     | SE     |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 25      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 26      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 27      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 28      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 29      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 3       |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 30      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 31      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 32      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 33      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 34      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 35      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 36      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 37      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 38      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 39      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 4       |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 40      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 41      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 42      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 43      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 44      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 45      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 46      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 47      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 48      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 49      |        |        |        | NW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 5       |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 50      |        |        |        | SW  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Dec-96 |
| 3    | NEOSHO | BARKER     | 51      |        |        |        | W2  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Dec-96 |
| 3    | NEOSHO | BARKER     | 52      |        |        |        | W2  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Dec-96 |
| 3    | NEOSHO | BARKER     | 53      |        |        |        | W2  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Dec-96 |
| 3    | NEOSHO | BARKER     | 54      |        |        |        | W2  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Dec-96 |
| 3    | NEOSHO | BARKER     | 55      |        |        |        | W2  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Dec-96 |
| 3    | NEOSHO | BARKER     | 56      |        |        |        | W2  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Dec-96 |
| 3    | NEOSHO | BARKER     | 57      |        |        |        | W2  | 4   | 27  | 18  | E    | GW    | A   | 1     | 04-Dec-96 |

Kansas Corporation Commission  
 Priority 1 and Priority 2 Wells  
 Plugged or Have Received Authorization to Plug

12/16/97

| DIST | COUNTY | LEASE NAME | WELL NO | 1/4 OF | 1/4 OF | 1/4 OF | SEC | TWN | RNG | DIR | TYPE | LEVEL | PRI | FFREQ     |
|------|--------|------------|---------|--------|--------|--------|-----|-----|-----|-----|------|-------|-----|-----------|
| 3    | NEOSHO | BARKER     | 58      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 59      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 6       |        |        | SW     | 4   | 27  | 18  | E   | GW   | A     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 60      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 61      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 62      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 64      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 65      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 66      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 67      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 68      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 69      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 7       |        |        | SW     | 4   | 27  | 18  | E   | GW   | A     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 70      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 71      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 72      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 73      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 74      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 75      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 76      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 77      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 78      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 79      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 8       |        |        | SW     | 4   | 27  | 18  | E   | GW   | A     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 80      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 81      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 82      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 84      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 85      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 86      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 87      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 88      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 89      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 9       |        |        | SW     | 4   | 27  | 18  | E   | GW   | A     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BARKER     | 90      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 91      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 92      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 93      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 94      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 95      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 96      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 97      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 98      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | BARKER     | 99      |        |        | W2     | 4   | 27  | 18  | E   | GW   | A     | 1   | 24-Jan-97 |
| 3    | NEOSHO | CASPER     | 1       |        | E2     | SE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 25-Nov-97 |
| 3    | NEOSHO | CASPER     | 10      |        | E2     | SE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 25-Nov-97 |
| 3    | NEOSHO | CASPER     | 16      |        | E2     | SE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 25-Nov-97 |
| 3    | NEOSHO | CASPER     | 2       |        | E2     | SE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 25-Nov-97 |
| 3    | NEOSHO | CASPER     | 27      |        | E2     | SE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 25-Nov-97 |
| 3    | NEOSHO | CASPER     | 28      |        | E2     | SE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 25-Nov-97 |
| 3    | NEOSHO | CASPER     | 3       |        | E2     | SE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 25-Nov-97 |
| 3    | NEOSHO | CASPER     | 4       |        | E2     | SE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 25-Nov-97 |
| 3    | NEOSHO | CASPER     | 5       |        | E2     | SE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 25-Nov-97 |
| 3    | NEOSHO | CASPER     | 7       |        | E2     | SE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 25-Nov-97 |
| 3    | NEOSHO | CASPER     | 8       |        | E2     | SE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 25-Nov-97 |

Kansas Corporation Commission  
Priority 1 and Priority 2 Wells  
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12/16/97

| DIST | COUNTY | LEASE NAME | WELL NO    | 1/4 OF | 1/4 OF | 1/4 OF | SEC | TWN | RNG | DIR | TYPE | LEVEL | PRI | FFREQ     |
|------|--------|------------|------------|--------|--------|--------|-----|-----|-----|-----|------|-------|-----|-----------|
| 3    | NEOSHO | CASPER     | 9          |        | E2     | SE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 25-Nov-97 |
| 3    | NEOSHO | NELSON     | 1          |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | NELSON     | 10         |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | NELSON     | 11         |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | NELSON     | 12         |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | NELSON     | 13         |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | NELSON     | 14         |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | NELSON     | 15         |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | NELSON     | 16         |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | NELSON     | 18         |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | NELSON     | 2          |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | NELSON     | 21         |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | NELSON     | 22         |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | NELSON     | 3          |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | NELSON     | 4          |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | NELSON     | 5          |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | NELSON     | 6          |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | NELSON     | 7          |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | NELSON     | 8          |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | NELSON     | 9          |        |        | NE     | 4   | 27  | 18  | E   | GW   | A     | 1   | 03-Nov-97 |
| 3    | NEOSHO | BURRIS     | 0-14 (51)  |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 29-Apr-97 |
| 3    | NEOSHO | BURRIS     | 0-15 (36)  |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 29-Apr-97 |
| 3    | NEOSHO | BURRIS     | 0-16-X(41) |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 29-Apr-97 |
| 3    | NEOSHO | BURRIS     | 0-2X (44)  |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 29-Apr-97 |
| 3    | NEOSHO | BURRIS     | 0-9X (48)  |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 29-Apr-97 |
| 3    | NEOSHO | BURRIS     | 1          |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 01-Jan-95 |
| 3    | NEOSHO | BURRIS     | 1 (33)     |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 29-Apr-97 |
| 3    | NEOSHO | BURRIS     | 1-B (34)   |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 29-Apr-97 |
| 3    | NEOSHO | BURRIS     | 10 (46)    |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 29-Apr-97 |
| 3    | NEOSHO | BURRIS     | 11         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 12         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 13 (35)    |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 29-Apr-97 |
| 3    | NEOSHO | BURRIS     | 14 (40)    |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 29-Apr-97 |
| 3    | NEOSHO | BURRIS     | 15         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 16         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 17         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 18         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 18 (52)    |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 29-Apr-97 |
| 3    | NEOSHO | BURRIS     | 19         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 2          |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 2 (37)     |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 29-Apr-97 |
| 3    | NEOSHO | BURRIS     | 20         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 21         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 22         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 23         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 24         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 25         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 26         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 27         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 28         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 29         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 30         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 31         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 32         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 04-Sep-96 |
| 3    | NEOSHO | BURRIS     | 38         |        |        | NE     | 9   | 27  | 18  | E   | GW   | B     | 1   | 29-Apr-97 |



Kansas Corporation Commission  
Priority 1 and Priority 2 Wells  
Plugged or Have Received Authorization to Plug

12/16/97

| DIST | COUNTY | LEASE NAME      | WELL NO    | 1/4 OF | 1/4 OF | 1/4 OF | SEC | TWN | RNG | DIR | TYPE | LEVEL | PRI | FFREQ |           |
|------|--------|-----------------|------------|--------|--------|--------|-----|-----|-----|-----|------|-------|-----|-------|-----------|
| 3    | NEOSHO | BURRIS          | 4 (45)     |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | B   | 1     | 29-Apr-97 |
| 3    | NEOSHO | BURRIS          | 42         |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | B   | 1     | 29-Apr-97 |
| 3    | NEOSHO | BURRIS          | 47         |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | B   | 1     | 29-Apr-97 |
| 3    | NEOSHO | BURRIS          | 5 (43)     |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | B   | 1     | 29-Apr-97 |
| 3    | NEOSHO | BURRIS          | 50         |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | B   | 1     | 29-Apr-97 |
| 3    | NEOSHO | BURRIS          | 6          |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | B   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BURRIS          | 7          |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | B   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BURRIS          | 8          |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | B   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BURRIS          | 9          |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | B   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BURRIS          | OW-10      |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | B   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BURRIS          | OW-13      |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | B   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BURRIS          | OW-14      |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | B   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BURRIS          | OW-3       |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | B   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BURRIS          | OW-4       |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | B   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BURRIS          | OW-5       |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | B   | 1     | 04-Sep-96 |
| 3    | NEOSHO | BURRIS          | W-12 (39)  |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | B   | 1     | 29-Apr-97 |
| 3    | NEOSHO | BURRIS          | W-7X (49)  |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | B   | 1     | 29-Apr-97 |
| 3    | NEOSHO | BURRIS          | W-9-T (53) |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | B   | 1     | 29-Apr-97 |
| 3    | NEOSHO | CASPER          | 0          |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | A   | 1     | 25-Nov-97 |
| 3    | NEOSHO | CASPER          | 11         |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | A   | 1     | 25-Nov-97 |
| 3    | NEOSHO | CASPER          | 12         |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | A   | 1     | 25-Nov-97 |
| 3    | NEOSHO | CASPER          | 13         |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | A   | 1     | 25-Nov-97 |
| 3    | NEOSHO | CASPER          | 14         |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | A   | 1     | 25-Nov-97 |
| 3    | NEOSHO | CASPER          | 15         |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | A   | 1     | 25-Nov-97 |
| 3    | NEOSHO | CASPER          | 17         |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | A   | 1     | 25-Nov-97 |
| 3    | NEOSHO | CASPER          | 26         |        |        |        | NE  | 9   | 27  | 18  | E    | GW    | A   | 1     | 25-Nov-97 |
| 3    | NEOSHO | CASPER          | 18         |        |        | W2     | NW  | 10  | 27  | 18  | E    | GW    | A   | 1     | 25-Nov-97 |
| 3    | NEOSHO | CASPER          | 20         |        |        | W2     | NW  | 10  | 27  | 18  | E    | GW    | A   | 1     | 25-Nov-97 |
| 3    | NEOSHO | CASPER          | 21         |        |        | W2     | NW  | 10  | 27  | 18  | E    | GW    | A   | 1     | 25-Nov-97 |
| 3    | NEOSHO | CASPER          | 22         |        |        | W2     | NW  | 10  | 27  | 18  | E    | GW    | A   | 1     | 25-Nov-97 |
| 3    | NEOSHO | CASPER          | 23         |        |        | W2     | NW  | 10  | 27  | 18  | E    | GW    | A   | 1     | 25-Nov-97 |
| 3    | NEOSHO | CASPER          | 24         |        |        | W2     | NW  | 10  | 27  | 18  | E    | GW    | A   | 1     | 25-Nov-97 |
| 3    | NEOSHO | CASPER          | 25         |        |        | W2     | NW  | 10  | 27  | 18  | E    | GW    | A   | 1     | 25-Nov-97 |
| 3    | NEOSHO | NEYHARD-CASPER  | W-18       | SE     |        | NW     | NW  | 10  | 27  | 18  | E    | GW    | A   | 1     | 24-Apr-97 |
| 3    | NEOSHO | RICKERSON       | OW 1       |        |        |        | SE  | 12  | 27  | 18  | E    | GW    | B   | 1     | 11-Aug-97 |
| 3    | NEOSHO | WESLEY THOMPSON | OW 2       |        |        | E2     | SE  | 24  | 27  | 18  | E    | GW    | A   | 1     | 06-Sep-96 |
| 3    | NEOSHO | WESLEY THOMPSON | OW 6       |        |        | E2     | SE  | 24  | 27  | 18  | E    | GW    | A   | 1     | 06-Sep-96 |
| 3    | NEOSHO | WESLEY THOMPSON | OW 7       |        |        | E2     | SE  | 24  | 27  | 18  | E    | GW    | A   | 1     | 06-Sep-96 |
| 3    | NEOSHO | WESLEY THOMPSON | OW 8       |        |        | E2     | SE  | 24  | 27  | 18  | E    | GW    | A   | 1     | 06-Sep-96 |
| 3    | NEOSHO | WESLEY THOMPSON | OW 3       |        |        | N2     | NE  | 25  | 27  | 18  | E    | GW    | A   | 1     | 06-Sep-96 |
| 3    | NEOSHO | WESLEY THOMPSON | OW 4       |        |        | N2     | NE  | 25  | 27  | 18  | E    | GW    | A   | 1     | 06-Sep-96 |
| 3    | NEOSHO | WESLEY THOMPSON | OW 5       |        |        | N2     | NE  | 25  | 27  | 18  | E    | GW    | A   | 1     | 06-Sep-96 |
| 3    | NEOSHO | ALLEN OW        | 1          |        |        |        |     | 5   | 28  | 19  | E    | GW    | A   | 1     | 26-Jun-96 |
| 3    | NEOSHO | SHAW            | 1          |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |
| 3    | NEOSHO | SHAW            | 11         |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |
| 3    | NEOSHO | SHAW            | 15         |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |
| 3    | NEOSHO | SHAW            | 16         |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |
| 3    | NEOSHO | SHAW            | 17         |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |
| 3    | NEOSHO | SHAW            | 22         |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 19-Oct-95 |
| 3    | NEOSHO | SHAW            | 23         |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 19-Oct-95 |
| 3    | NEOSHO | SHAW            | 26         |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |
| 3    | NEOSHO | SHAW            | 28         |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |
| 3    | NEOSHO | SHAW            | 3          |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |
| 3    | NEOSHO | SHAW            | 36         |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |
| 3    | NEOSHO | SHAW            | 37         |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |

Kansas Corporation Commission  
Priority 1 and Priority 2 Wells  
Plugged or Have Received Authorization to Plug

12/16/97

| DIST | COUNTY  | LEASE NAME    | WELL NO | 1/4 OF | 1/4 OF | 1/4 OF | SEC | TWN | RNG | DIR | TYPE | LEVEL | PRI | FFREQ |           |
|------|---------|---------------|---------|--------|--------|--------|-----|-----|-----|-----|------|-------|-----|-------|-----------|
| 3    | NEOSHO  | SHAW          | 39      |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |
| 3    | NEOSHO  | SHAW          | 41      |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |
| 3    | NEOSHO  | SHAW          | 44      |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |
| 3    | NEOSHO  | SHAW          | 46      |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |
| 3    | NEOSHO  | SHAW          | 48      |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |
| 3    | NEOSHO  | SHAW          | 51      |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |
| 3    | NEOSHO  | SHAW          | 54      |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |
| 3    | NEOSHO  | SHAW          | 6       |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |
| 3    | NEOSHO  | SHAW          | 64      |        |        |        | SW  | 22  | 28  | 19  | E    | GW    | B   | 1     | 08-Mar-96 |
| 3    | NEOSHO  | YANCY HUDSON  | 1       |        |        |        | SE  | 23  | 28  | 19  | E    | GW    | A   | 1     | 04-Sep-97 |
| 3    | NEOSHO  | YANCY HUDSON  | 10      |        |        |        | SE  | 23  | 28  | 19  | E    | GW    | A   | 1     | 04-Sep-97 |
| 3    | NEOSHO  | YANCY HUDSON  | 11      |        |        |        | SE  | 23  | 28  | 19  | E    | GW    | A   | 1     | 04-Sep-97 |
| 3    | NEOSHO  | YANCY HUDSON  | 12      |        |        |        | SE  | 23  | 28  | 19  | E    | GW    | A   | 1     | 04-Sep-97 |
| 3    | NEOSHO  | YANCY HUDSON  | 2       |        |        |        | SE  | 23  | 28  | 19  | E    | GW    | A   | 1     | 04-Sep-97 |
| 3    | NEOSHO  | YANCY HUDSON  | 3       |        |        |        | SE  | 23  | 28  | 19  | E    | GW    | A   | 1     | 04-Sep-97 |
| 3    | NEOSHO  | YANCY HUDSON  | 4       |        |        |        | SE  | 23  | 28  | 19  | E    | GW    | A   | 1     | 04-Sep-97 |
| 3    | NEOSHO  | YANCY HUDSON  | 5       |        |        |        | SE  | 23  | 28  | 19  | E    | GW    | A   | 1     | 04-Sep-97 |
| 3    | NEOSHO  | YANCY HUDSON  | 6       |        |        |        | SE  | 23  | 28  | 19  | E    | GW    | A   | 1     | 04-Sep-97 |
| 3    | NEOSHO  | YANCY HUDSON  | 7       |        |        |        | SE  | 23  | 28  | 19  | E    | GW    | A   | 1     | 04-Sep-97 |
| 3    | NEOSHO  | YANCY HUDSON  | 8       |        |        |        | SE  | 23  | 28  | 19  | E    | GW    | A   | 1     | 04-Sep-97 |
| 3    | NEOSHO  | YANCY HUDSON  | 9       |        |        |        | SE  | 23  | 28  | 19  | E    | GW    | A   | 1     | 04-Sep-97 |
| 3    | WILSON  | CLAIBORNE OW  | 1       |        |        |        | SE  | 15  | 27  | 14  | E    | GW    | A   | 1     | 20-Jun-96 |
| 3    | WILSON  | TRIMMEL       | OW-1    |        |        |        | NE  | 15  | 27  | 14  | E    | SW    | A   | 1     | 20-Jun-96 |
| 3    | WILSON  | C PAYNE       | OW1     | SE     | SE     |        | SW  | 33  | 27  | 15  | E    | SW    | A   | 1     | 29-Aug-97 |
| 3    | WILSON  | GUENTHER      | 1       |        |        |        | SW  | 33  | 27  | 15  | E    | GW    | C   | 1     | 20-Jun-96 |
| 3    | WILSON  | GUENTHER      | 2       |        |        |        | SE  | 33  | 27  | 15  | E    | GW    | C   | 1     | 20-Jun-96 |
| 3    | WILSON  | ANDERSON B OW | 1       |        |        |        | SW  | 3   | 28  | 17  | E    | GW    | A   | 1     | 12-Jun-96 |
| 3    | WILSON  | NAOMI J WOLFE | OW 1    | SW     | NE     |        | SE  | 14  | 30  | 15  | E    | GW    | A   | 1     | 19-Feb-97 |
| 3    | WILSON  | PERRY         | 1       |        |        |        | NW  | 18  | 30  | 16  | E    | GW    | A   | 1     | 11-Mar-97 |
| 3    | WILSON  | PERRY         | 2       |        |        |        | NW  | 18  | 30  | 16  | E    | GW    | A   | 1     | 11-Mar-97 |
| 3    | WILSON  | PERRY         | 3       |        |        |        | NW  | 18  | 30  | 16  | E    | GW    | A   | 1     | 11-Mar-97 |
| 3    | WILSON  | PERRY         | 4       |        |        |        | NW  | 18  | 30  | 16  | E    | GW    | A   | 1     | 11-Mar-97 |
| 3    | WILSON  | PERRY         | 5       |        |        |        | NW  | 18  | 30  | 16  | E    | GW    | A   | 1     | 11-Mar-97 |
| 3    | WILSON  | PERRY         | 6       |        |        |        | NW  | 18  | 30  | 16  | E    | GW    | A   | 1     | 11-Mar-97 |
| 3    | WILSON  | PERRY         | 7       |        |        |        | NW  | 18  | 30  | 16  | E    | GW    | A   | 1     | 11-Mar-97 |
| 3    | WILSON  | PERRY         | 8       |        |        |        | NW  | 18  | 30  | 16  | E    | GW    | A   | 1     | 11-Mar-97 |
| 3    | WILSON  | PERRY         | 9       |        |        |        | NW  | 18  | 30  | 16  | E    | GW    | A   | 1     | 11-Mar-97 |
| 3    | WILSON  | MELVIN HARE   | 2       | NW     | NW     |        | SW  | 22  | 30  | 16  | E    | GW    | A   | 1     | 30-Aug-96 |
| 3    | WILSON  | MELVIN HARE   | OW 1    | SW     | NE     |        | NW  | 34  | 30  | 16  | E    | GW    | A   | 1     | 30-Aug-96 |
| 3    | WILSON  | J.D. FRIESS   | OG 1    | SW     | SW     |        | SE  | 33  | 30  | 17  | E    | GW    | A   | 1     | 16-May-97 |
| 3    | WOODSON | RICH          | 1       |        | N2     |        | NE  | 28  | 23  | 16  | E    | GW    | B   | 1     | 06-Sep-96 |
| 3    | WOODSON | MOON          | A       |        |        |        | NW  | 27  | 25  | 17  | E    | GW    | B   | 1     | 25-Nov-97 |
| 3    | WOODSON | MOON          | AA      |        |        |        | NW  | 27  | 25  | 17  | E    | GW    | B   | 1     | 25-Nov-97 |
| 3    | WOODSON | MOON          | B       |        |        |        | NW  | 27  | 25  | 17  | E    | GW    | B   | 1     | 25-Nov-97 |
| 3    | WOODSON | MOON          | BB      |        |        |        | NW  | 27  | 25  | 17  | E    | GW    | B   | 1     | 25-Nov-97 |
| 3    | WOODSON | MOON          | C       |        |        |        | NW  | 27  | 25  | 17  | E    | GW    | B   | 1     | 25-Nov-97 |
| 3    | WOODSON | MOON          | CC      |        |        |        | NW  | 27  | 25  | 17  | E    | GW    | B   | 1     | 25-Nov-97 |
| 3    | WOODSON | MOON          | D       |        |        |        | NW  | 27  | 25  | 17  | E    | GW    | B   | 1     | 25-Nov-97 |
| 3    | WOODSON | MOON          | DD      |        |        |        | NW  | 27  | 25  | 17  | E    | GW    | B   | 1     | 25-Nov-97 |
| 3    | WOODSON | MOON          | E       |        |        |        | NW  | 27  | 25  | 17  | E    | GW    | B   | 1     | 25-Nov-97 |
| 3    | WOODSON | MOON          | EE      |        |        |        | NW  | 27  | 25  | 17  | E    | GW    | B   | 1     | 25-Nov-97 |
| 3    | WOODSON | MOON          | F       |        |        |        | NW  | 27  | 25  | 17  | E    | GW    | B   | 1     | 25-Nov-97 |
| 3    | WOODSON | MOON          | FF      |        |        |        | NW  | 27  | 25  | 17  | E    | GW    | B   | 1     | 25-Nov-97 |
| 3    | WOODSON | MOON          | G       |        |        |        | NW  | 27  | 25  | 17  | E    | GW    | B   | 1     | 25-Nov-97 |
| 3    | WOODSON | MOON          | GG      |        |        |        | NW  | 27  | 25  | 17  | E    | GW    | B   | 1     | 25-Nov-97 |

Kansas Corporation Commission  
Priority 1 and Priority 2 Wells  
Plugged or Have Received Authorization to Plug

12/16/97

| DIST | COUNTY   | LEASE NAME        | WELL NO | 1/4 OF | 1/4 OF | 1/4 OF | SEC | TWN | RNG | DIR | TYPE | LEVEL | PRI | FFREQ     |
|------|----------|-------------------|---------|--------|--------|--------|-----|-----|-----|-----|------|-------|-----|-----------|
| 3    | WOODSON  | MOON              | H       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | HH      |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | I       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | II      |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | J       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | JJ      |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | K       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | KK      |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | L       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | LL      |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | M       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | MM      |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | N       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | NN      |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | O       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | P       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | Q       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | R       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | S       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | T       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | U       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | V       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | W       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | X       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | Y       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | MOON              | Z       |        |        | NW     | 27  | 25  | 17  | E   | GW   | B     | 1   | 25-Nov-97 |
| 3    | WOODSON  | FERREE            | 1       | NE     | NW     | SW     | 32  | 25  | 17  | E   | SW   | A     | 1   | 01-Jul-97 |
| 4    | BARTON   | REIMAN            | 4       | SW     | SW     | NW     | 23  | 16  | 12  | W   | SW   | A     | 1   | 20-Jun-96 |
| 4    | BARTON   | LAUDICK           | 1       | N2     | SE     | SE     | 19  | 16  | 13  | W   | GW   | A     | 1   | 03-Sep-96 |
| 4    | BARTON   | HECK              | 1-OWWO  | S2     | S2     | NW     | 26  | 18  | 15  | W   | PS   | B     | 1   | 21-Mar-97 |
| 4    | BARTON   | ESFELD-MEIER      | 1       | SW     | SE     | SW     | 22  | 19  | 13  | W   | PS   | A     | 1   | 21-Mar-97 |
| 4    | BARTON   | STATE RIVERBED    | 3       | SE     | SE     | SE     | 10  | 20  | 11  | W   | GW   | A     | 1   | 08-May-96 |
| 4    | BARTON   | STATE RIVERBED    | 2       | NE     | NW     | NE     | 15  | 20  | 11  | W   | GW   | A     | 1   | 08-May-96 |
| 4    | BARTON   | UNRUH             | 2-TWIN  | N2     | NW     | SW     | 7   | 20  | 15  | W   | PS   | B     | 1   | 21-Mar-97 |
| 4    | CHEYENNE | WILKENS           | 16-7    | N2     | SW     | NE     | 16  | 02  | 37  | W   | PS   | B     | 1   | 30-Jul-96 |
| 4    | CHEYENNE | BEAUMEISTER       | 1       | SW     | SW     | NW     | 32  | 02  | 39  | W   | GW   | A     | 1   | 15-Oct-96 |
| 4    | ELLIS    | FELDCAMP          | 4-SWD   | NE     | NE     | NW     | 11  | 11  | 18  | W   | GW   | A     | 1   | 29-Jul-96 |
| 4    | ELLIS    | VINE "B"          | 1       | SE     | NE     | SE     | 27  | 11  | 19  | W   | GW   | A     | 1   | 03-Sep-96 |
| 4    | ELLIS    | STAAB             | 5       | SE     | NE     | NE     | 11  | 12  | 18  | W   | GW   | A     | 1   | 26-Sep-96 |
| 4    | ELLIS    | WEBER             | 1       | E2     | E2     | NW     | 33  | 13  | 17  | W   | GW   | A     | 1   | 23-Sep-96 |
| 4    | ELLIS    | J.E. DREILING     | 2       | SW     | SW     | NW     | 22  | 14  | 16  | W   | GW   | B     | 1   | 21-Mar-97 |
| 4    | ELLIS    | SENTINEL HILL     | 1       | W2     | SW     | SW     | 7   | 14  | 18  | W   | GW   | A     | 1   | 21-Mar-97 |
| 4    | ELLIS    | KISNER            | 1       | NW     | NE     | SE     | 11  | 14  | 19  | W   | GW   | A     | 1   | 29-Jul-96 |
| 4    | GRAHAM   | JONES             | 5       | NE     | SW     | NE     | 11  | 09  | 23  | W   | GW   | A     | 1   | 14-Aug-96 |
| 4    | GRAHAM   | JONES             | 6       | SW     | NE     | NE     | 11  | 09  | 23  | W   | GW   | A     | 1   | 14-Aug-96 |
| 4    | GRAHAM   | WHITE             | 1       | S2     | SW     | NE     | 31  | 09  | 23  | W   | GW   | C     | 1   | 14-Aug-96 |
| 4    | GRAHAM   | KNOLL             | 2       | S2     | SE     | NE     | 16  | 10  | 25  | W   | GW   | C     | 1   | 19-Feb-97 |
| 4    | RAWLINS  | A. PETERSON       | 2       | SE     | SE     | SW     | 6   | 01  | 33  | W   | GW   | B     | 1   | 12-Jun-96 |
| 4    | ROOKS    | HINKHOUSE         | 2       | SE     | NE     | SE     | 6   | 10  | 20  | W   | GW   | A     | 1   | 29-Apr-96 |
| 4    | RUSSELL  | STRECKER (THOMAN) | 3       | SE     | SE     | NW     | 27  | 13  | 14  | W   | GW   | A     | 1   | 03-Sep-96 |
| 4    | RUSSELL  | FOSTER "B"        | W-39    | SW     | SW     | NE     | 3   | 14  | 15  | W   | GW   | A     | 1   | 03-Sep-96 |
| 4    | TREGO    | RONALD DEUTSCHER  | 1       |        | S2     | SW     | 1   | 11  | 22  | W   | GW   | A     | 1   | 21-Mar-97 |

Total Wells = 932

Appendix "C"  
FY-1997 Wells = 428

FY-1998 Wells = 384

**Fiscal Year Summary**

| <u>Fiscal Year</u> | <u>Total Cost Incurred to Date</u> | <u>FY Estimated Cost</u> | <u>FY Balance Remaining</u> |
|--------------------|------------------------------------|--------------------------|-----------------------------|
| 97                 | \$1,476,986.16                     | \$1,601,420.71           | \$124,434.55                |

**Summary by Priority**

| <u>Priority</u> | <u>Total Cost Incurred to Date</u> | <u>Priority Estimated Cost</u> |
|-----------------|------------------------------------|--------------------------------|
| -               | \$15,403.84                        |                                |
| 1-              | \$6,033                            | \$6,595                        |
| 1-A             | \$1,211,195.47                     | \$1,241,668.73                 |
| 1-B             | \$163,295.79                       | \$262,031.19                   |
| 1-C             | \$67,883.24                        | \$76,340.59                    |
| 2-B             | \$4,513.77                         | \$4,276.52                     |
| 2-C             | \$8,661.05                         | \$10,508.68                    |

**Summary by Problem Type**

| <u>Problem Type</u>         | <u>Impacts</u> | <u>Total Cost Incurred to Date</u> | <u>Problem Type Estimated Cost</u> |
|-----------------------------|----------------|------------------------------------|------------------------------------|
| Abandoned Well              | GW             | \$1,200,775.35                     | \$1,354,113.52                     |
| Abandoned Well              | PS             | \$37,512.73                        | \$35,597.53                        |
| Abandoned Well              | SW             | \$218,719.46                       | \$211,709.66                       |
| Inherited Remediation SB755 |                | \$8,501.8                          |                                    |
| KCC Remediation SB755       | SH             | \$8,190.54                         |                                    |
| KCC Remediation SB755       |                | \$3,286.28                         |                                    |

**Report Summary**

|  |     |  |
|--|-----|--|
| <u>Total Number of Sites/Wells Scheduled</u> |     |  |
|  | 428 |  |
| <u>Total Number of Sites/Wells Completed</u> |     | <u>Average Cost of the Completed Sites/Wells</u> |
| 428  |     | \$3,536.43                                       |
| Estimated Cost of Completed Wells            |     | \$1,582,608.71                                   |
| Actual Cost of Completed Wells               |     | \$1,457,007.54                                   |
| Remaining Balance from Completed Well        |     | \$125,601.17                                     |

**Fiscal Year Summary**

| <u>Fiscal Year</u> | <u>Total Cost Incurred to Date</u> | <u>FY Estimated Cost</u> | <u>FY Balance Remaining</u> |
|--------------------|------------------------------------|--------------------------|-----------------------------|
| 98                 | \$142,988.48                       | \$997,443.68             | \$854,455.2                 |

**Summary by Priority**

| <u>Priority</u> | <u>Total Cost Incurred to Date</u> | <u>Priority Estimated Cost</u> |
|-----------------|------------------------------------|--------------------------------|
| 1-A             | \$57,943.02                        | \$632,449.25                   |
| 1-B             | \$42,290.5                         | \$312,366                      |
| 1-C             | \$26,903.88                        | \$40,394.5                     |
| 2-A             | \$5,019.41                         | \$4,021.24                     |
| 2-B             | \$10,831.67                        | \$8,212.69                     |

**Summary by Problem Type**

| <u>Problem Type</u> | <u>Impacts</u> | <u>Total Cost Incurred to Date</u> | <u>Problem Type Estimated Cost</u> |
|---------------------|----------------|------------------------------------|------------------------------------|
| Abandoned Well      | GW             | \$137,404.48                       | \$977,433.86                       |
| Abandoned Well      | PS             | \$3,125                            | \$10,594.82                        |
| Abandoned Well      | SW             | \$2,459                            | \$9,415                            |

**Report Summary**

|  |  |  |
|--|--|--|
| <u>Total Number of Sites/Wells Scheduled</u> |  |  |
|  | 385  |  |
| <u>Total Number of Sites/Wells Completed</u> | <u>Average Cost of the Completed Sites/Wells</u> |  |
| 83   | \$1,722.75                                       |  |
| Estimated Cost of Completed Wells            | \$184,953.86                                     |  |
| Actual Cost of Completed Wells               | \$142,988.48                                     |  |
| Remaining Balance from Completed Well        | \$41,965.38                                      |  |

**KANSAS CORPORATION COMMISSION  
CONSERVATION DIVISION**

**REMEDIATION SITE  
STATUS REPORT**



**JANUARY 12, 1998**

**REF: ABANDONED OIL AND GAS WELL / REMEDIATION SITE FUND**

*House Environment  
1-20-98  
Attachment 3*

**Abandoned Oil and Gas Well / Remediation Site Fund  
Remediation Sites  
Status Report**

**Introduction**

During the 1996 legislative session House Substitute for Senate Bill 755 was passed. A part of this legislation created an Abandoned Oil and Gas Well / Remediation Fund the expressed purpose of which was to provide funding to the Kansas Corporation Commission with which to both plug abandoned wells and remediate contamination sites related to oil and gas activities. The legislation requires that the Kansas Corporation Commission prepare an annual Remediation Site Status Report for the office of the Governor and certain legislative committees. This report for the period January 1, 1997 through December 31, 1997 contains information for each of the sites with regard to the following: (1) A description and evaluation of the site; (2) the immediacy of the threat to public health and environment; (3) the level of remediation sought; (4) any unusual problems associated with the investigation or remediation; (5) any remedial efforts completed during the review period; (6) current contaminate level; (7) status of the site; (8) direct and indirect costs associated with remedial efforts; and (9) an estimate of the cost to achieve the recommended level of remediation or an estimate of the cost to conduct an investigation sufficient to determine the cost of remediation.

**Site Inventory**

The inventory of sites listed in the current Remediation Site Status Report consists of 97 sites. This report includes sites that were transferred to the control of the Kansas Corporation Commission (KCC) from the Kansas Department of Health and Environment (KDHE) by legislative action in 1995 and in-house sites already under KCC jurisdiction. Of the original 109 sites, four were combined with other sites and eight were resolved during the previous evaluation period. During this evaluation period, January 1, 1997 through December 31, 1997, nine sites were resolved thereby resulting in a total of 88 active sites. Summary tables for site impacts and immediacy levels as well as estimated costs are found at the beginning of the report. The tables below provide an overview of distribution of sites with respect to both resources impacted and the range of immediacy levels for required remediation.

**Distribution of Sites with Respect to Impacted Resources**

| <b>Impacted Resources</b> | <b>Number of Sites</b> |
|---------------------------|------------------------|
| Public Water Supply       | 7                      |
| Domestic Supply           | 35                     |
| Stock Supply              | 21                     |
| Irrigation Supply         | 10                     |
| Other                     | 80                     |

\*Some sites have impacts to multiple resources

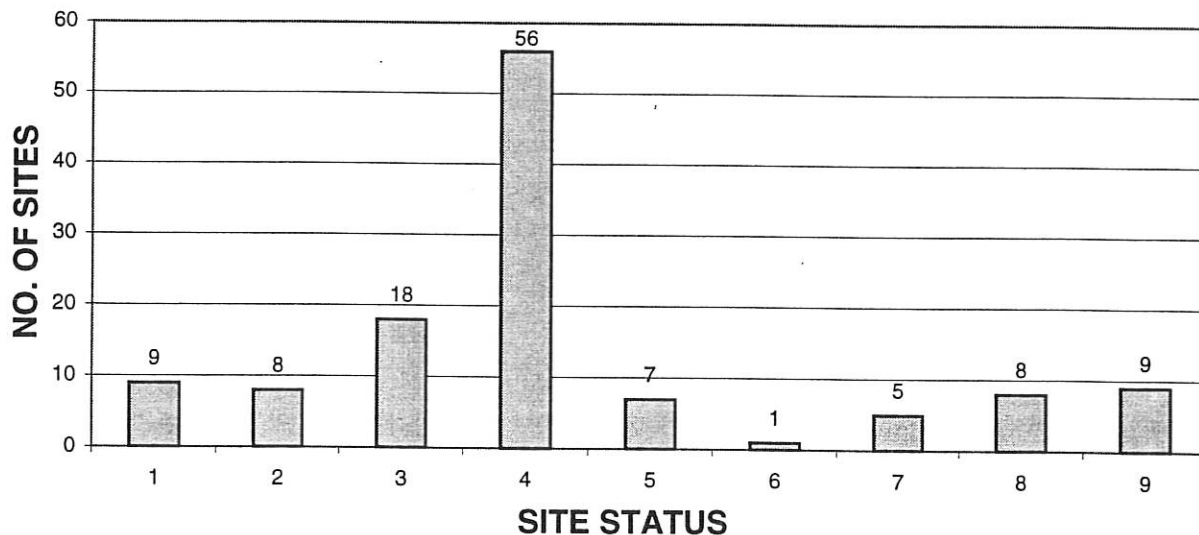
### Distribution of Sites with Respect to Immediacy Levels

| Range of Immediacy Level  | No. of Sites |
|---------------------------|--------------|
| Low & Low to Moderate     | 61           |
| Moderate                  | 10           |
| Moderate to High & High   | 12           |
| Other (Under Remediation) | 5            |
| Total                     | 88           |

### Site Status

In general each contamination site has a definable life cycle. This cycle follows a sequence of investigatory and remedial activities which move the site towards ultimate resolution. The first phase of the cycle is the site assessment. This phase defines general site parameters and conditions that form the basis for additional efforts at the site. Once the assessment is complete the site moves on to a new phase. This next phase may be short term or long term monitoring followed closely by resolution of the site. While another scenario may include an extensive investigation phase followed by the installation of a monitoring system whose sample results may indicate the necessity for certain remedial activities and additional post remediation monitoring prior to resolution of the site. The following graphs depict the current status of the 88 active sites on a statewide and K.C.C. District basis.

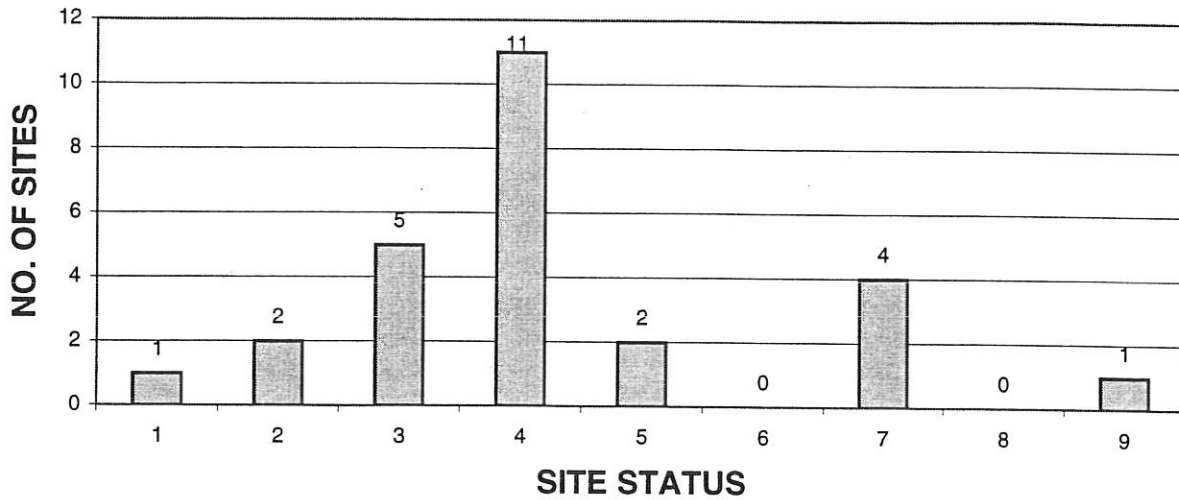
### STATEWIDE DISTRIBUTION OF SITES BY STATUS



|                         |                                |                  |
|-------------------------|--------------------------------|------------------|
| 1. SITE ASSESSMENT      | 2. SHORT TERM MONITORING       | 3. INVESTIGATION |
| 4. LONG TERM MONITORING | 5. REMEDIATION PLAN            | 6. INSTALLATION  |
| 7. REMEDIATION          | 8. POST REMEDIATION MONITORING | 9. RESOLVED      |

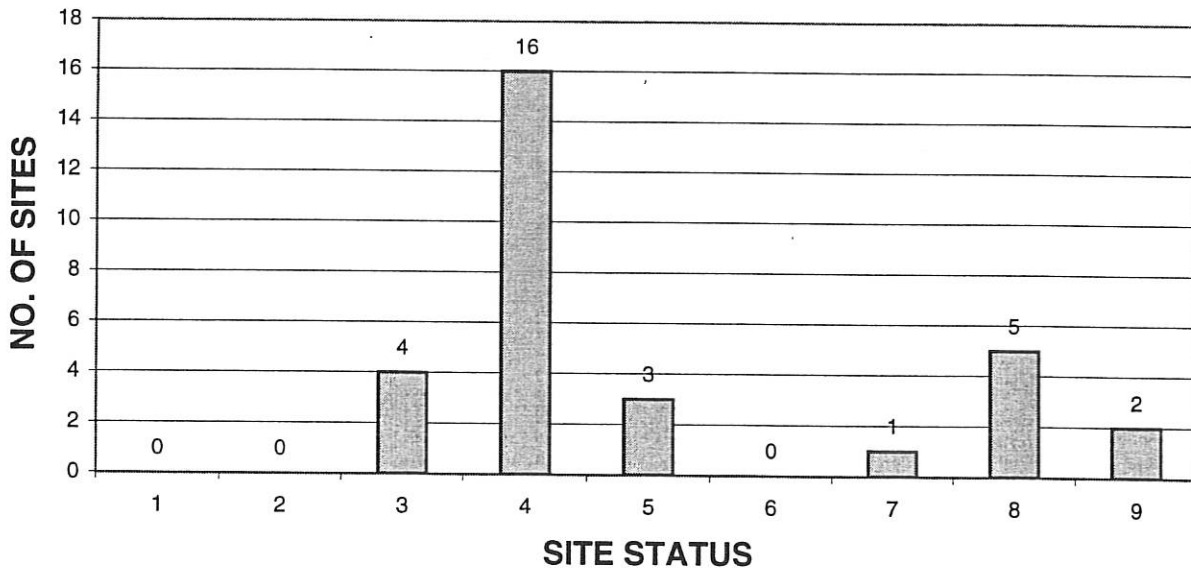


## DISTRICT 1 DISTRIBUTION OF SITES BY STATUS



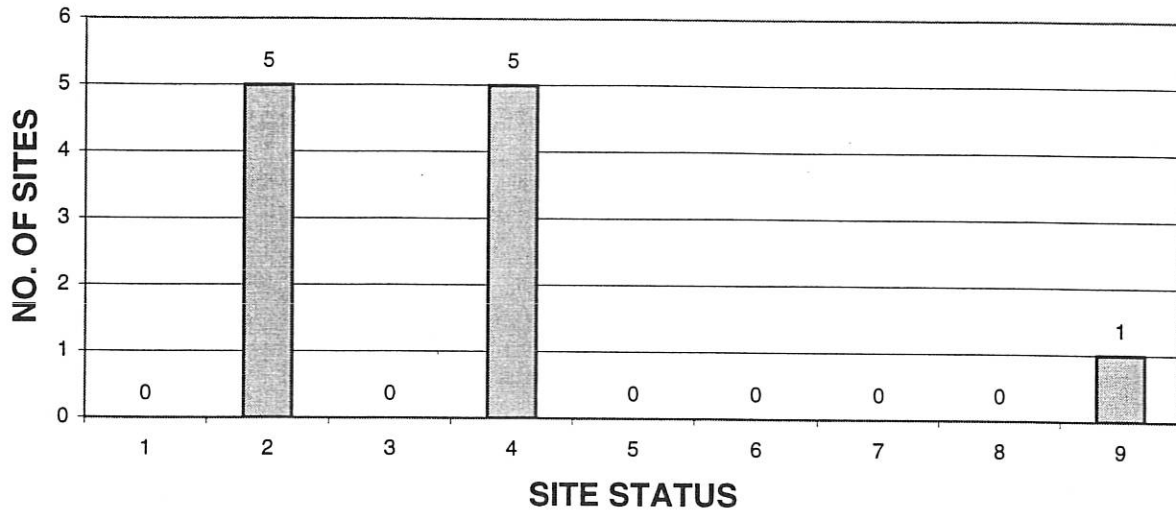
|                         |                                |                  |
|-------------------------|--------------------------------|------------------|
| 1. SITE ASSESSMENT      | 2. SHORT TERM MONITORING       | 3. INVESTIGATION |
| 4. LONG TERM MONITORING | 5. REMEDIATION PLAN            | 6. INSTALLATION  |
| 7. REMEDIATION          | 8. POST REMEDIATION MONITORING | 9. RESOLVED      |

## DISTRICT 2 DISTRIBUTION OF SITES BY STATUS



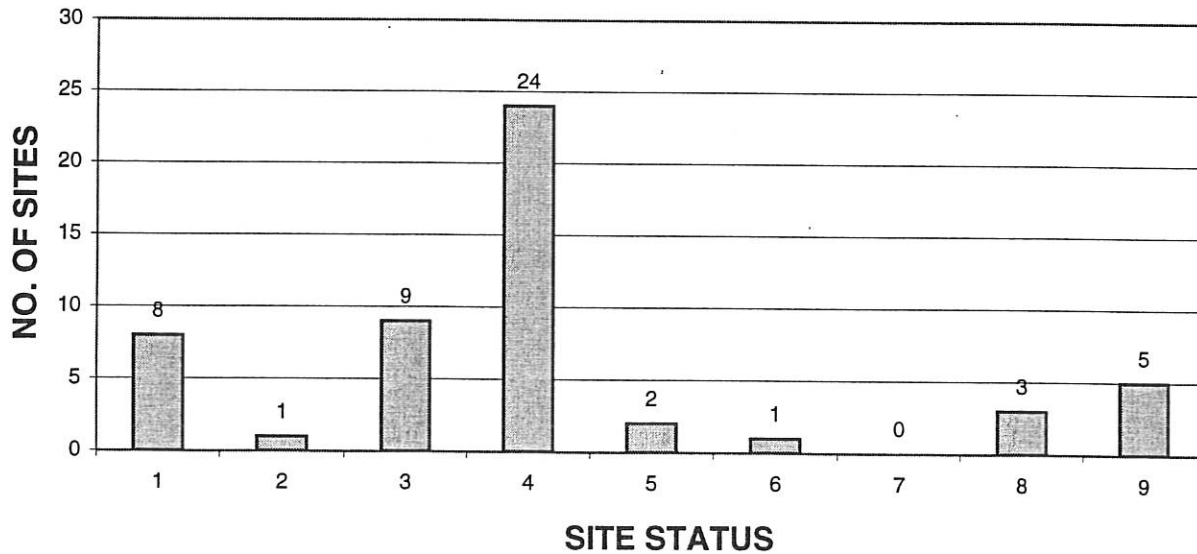
|                         |                                |                  |
|-------------------------|--------------------------------|------------------|
| 1. SITE ASSESSMENT      | 2. SHORT TERM MONITORING       | 3. INVESTIGATION |
| 4. LONG TERM MONITORING | 5. REMEDIATION PLAN            | 6. INSTALLATION  |
| 7. REMEDIATION          | 8. POST REMEDIATION MONITORING | 9. RESOLVED      |

## DISTRICT 3 DISTRIBUTION OF SITES BY STATUS



|                         |                                |                  |
|-------------------------|--------------------------------|------------------|
| 1. SITE ASSESSMENT      | 2. SHORT TERM MONITORING       | 3. INVESTIGATION |
| 4. LONG TERM MONITORING | 5. REMEDIATION PLAN            | 6. INSTALLATION  |
| 7. REMEDIATION          | 8. POST REMEDIATION MONITORING | 9. RESOLVED      |

## DISTRICT 4 DISTRIBUTION OF SITES BY STATUS



|                         |                                |                  |
|-------------------------|--------------------------------|------------------|
| 1. SITE ASSESSMENT      | 2. SHORT TERM MONITORING       | 3. INVESTIGATION |
| 4. LONG TERM MONITORING | 5. REMEDIATION PLAN            | 6. INSTALLATION  |
| 7. REMEDIATION          | 8. POST REMEDIATION MONITORING | 9. RESOLVED      |

## **Conclusions**

This report provides information concerning the location, resource impact, immediacy level, and site description and status for 88 active contamination / remediation sites related to exploration and production activities in the state. In addition, data is presented with regard to staff expenditures for site management, administration, and inspections, as well as authorization and/or expenditures against the Abandoned Well / Remediation fund for investigatory and remedial activities at the sites.

The Conservation Division of the Kansas Corporation Commission is committed to working with the oil and gas industry of the state, as well as other resource stakeholders within government and the public in general to provide a scientifically sound and technically based remediation program.



**Impacts, Immediacy and Target Remediation Levels  
For  
Kansas Corporation Commission Contamination Sites**

| <b>Site Name</b> | <b>County</b> | <b>KCC District</b> | <b>Impact</b>            | <b>Immediacy</b> | <b>Target Level Of Remediation</b> | <b>Unusual Problems</b> | <b>Estimated Total Cost</b> |
|------------------|---------------|---------------------|--------------------------|------------------|------------------------------------|-------------------------|-----------------------------|
| Aldrich          | Kingman       | 2                   | GW / SW                  | Resolved         | Reached                            | Yes                     | N/A                         |
| Alta Mills       | Harvey        | 2                   | Domestic                 | Resolved         | Reached                            | Yes                     | N/A                         |
| American Salt    | Rice          | 2                   | Domestic                 | Low              | 500 ppm                            | No                      | \$ 5,500                    |
| Amons            | Butler        | 2                   | Domestic                 | Low              | 500 ppm                            | Yes                     | \$ 25,500(+)                |
| Arkansas River   | Cowley        | 2                   | Wells / SW/ GW           | Mod-High         | 0 ppm                              | Yes                     | \$ 182,855                  |
| Asbury           | Cowley        | 2                   | Domestic                 | Low              | 500 ppm                            | Yes                     | \$ 7,500                    |
| Avey, Gene       | Rush          | 1                   | Domestic                 | Low              | 350 ppm                            | No                      | \$ 4,500                    |
| Balthazor        | Graham        | 4                   | Domestic(Sole Source)    | Mod-High         | 250 ppm                            | Yes                     | \$ 37,000                   |
| Batt             | Russell       | 4                   | Domestic                 | Low              | 500 ppm                            | No                      | \$ 50,000                   |
| Beard and Meats  | Coffey        | 3                   | GW / Soil                | Low              | 500 ppm                            | No                      | \$ 200(yr)                  |
| Braun            | Ellis         | 4                   | Groundwater / Stock Well | Low              | 500 ppm                            | Yes                     | \$ 20,000                   |
| Brothers         | Rice          | 2                   | Groundwater              | Low              | 500 ppm                            | Yes                     | \$ 31,500                   |
| Browning         | Greenwood     | 3                   | GW / SW                  | Low              | 150 ppm                            | Yes                     | \$ 10,000                   |

| Site Name      | County      | KCC District | Impact                   | Immediacy | Target Level Of Remediation | Unusual Problems | Estimated Total Cost |
|----------------|-------------|--------------|--------------------------|-----------|-----------------------------|------------------|----------------------|
| Buckner        | Graham      | 4            | Groundwater / Stock Well | Resolved  | Reached                     | Yes              | N/A                  |
| Burrton        | Harvey/Reno | 2            | Domestic / Irrigation    | High      | Variable                    | Yes              | \$3,000,000          |
| Catron, James  | Sedgwick    | 2            | Domestic / Irrigation    | Moderate  | 250 to 400 ppm              | Yes              | \$ 1,500             |
| Cessna         | Kingman     | 2            | GW / SW                  | Low       | 500-750 ppm                 | Yes              | \$ 15,000            |
| Clawson(Mesa)  | Haskell     | 1            | Irrigation               | UR        | 350 ppm                     | Yes              | 450(yr)*             |
| Codell         | Rooks       | 4            | Public Water Supply      | Mod-High  | 250 ppm                     | Yes              | \$ 5,000             |
| Curtis         | Stafford    | 1            | Groundwater              | Low-Mod   | 500-1000 ppm                | Yes              | \$ 30,500            |
| Dettweiler     | Harvey      | 2            | Domestic / Irrigation    | Low       | 500 to 750 ppm              | Yes              | \$ 12,500            |
| Dinkel         | Ellis       | 4            | GW / Domestic (SS)       | Moderate  | 250 ppm                     | Yes              | \$ 30,000            |
| Dinkel/Sanders | Ellis       | 4            | Groundwater / Domestic   | Low       | 250 ppm                     | Yes              | \$ 250               |
| Dortland, E    | Russell     | 4            | GW / STK / SW            | Low       | 500 ppm                     | Yes              | \$ 90,000            |
| Dortland, H    | Ellis       | 4            | Domestic                 | Low       | 500 ppm                     | Yes              | \$ 500               |
| Eastman        | Montgomery  | 3            | Surface Water            | Moderate  | N/A – Oil                   | Yes              | \$ 100,000           |
| EB-3C          | Reno        | 2            | Groundwater              | Low       | 16 ppb                      | Yes              | \$ 20,000            |
| Elm Creek      | Rooks       | 4            | Domestic / Stock Well    | Mod-High  | 500 ppm                     | Yes              | \$ 300,000           |
| Enoch-Thompson | Pawnee      | 1            | Stock Well               | UR        | 500 ppm                     | Yes              | \$ 10,000            |

| Site Name        | County     | KCC District | Impact                 | Immediacy | Target Level Of Remediation | Unusual Problems | Estimated Total Cost |
|------------------|------------|--------------|------------------------|-----------|-----------------------------|------------------|----------------------|
| Fink, Leon       | Graham     | 4            | Stock Well             | Low       | 500 ppm                     | Yes              | \$ 2,000             |
| Fowler           | Montgomery | 3            | Soil                   | Low       | 300 ppm                     | No               | \$ 4,500             |
| Greenwood        | Greenwood  | 3            | GW / SW / Soil         | Low       | 500 ppm                     | No               | \$ 340(yr)           |
| Gross, Marcellus | Ellis      | 4            | Groundwater / SD       | Low-Mod   | 500 ppm                     | No               | \$ 20,000            |
| Harbaugh         | Barber     | 1            | Domestic / Stock Well  | High      | 1000 ppm                    | Yes              | \$ 260,000           |
| Hollow-Nikkel    | Harvey     | 2            | Domestic / Irrigation  | Moderate  | 500 ppm                     | Yes              | \$ 75,000            |
| Houser           | Rooks      | 4            | Domestic (Sole Source) | Low       | 500 ppm                     | No               | \$ 2,000             |
| Hrencher         | Barber     | 1            | GW/ STK / Soil / SW    | Mod-High  | 1000 ppm                    | No               | \$ 150,000           |
| Hullman          | Pratt      | 1            | Groundwater / Soil     | Mod-High  | 500 ppm                     | Yes              | \$ 700               |
| Irey - Hrabe     | Rooks      | 4            | Groundwater            | Low       | 250 ppm                     | Yes              | \$ 4,000             |
| Jennings         | Decatur    | 4            | Groundwater / PWSW     | Low-Mod   | 500 ppm                     | No               | \$ 500               |
| Johnson, C       | Rice       | 2            | GW / SD                | Moderate  | 750 ppm                     | Yes              | \$ 50,000            |
| Johnson, R       | Pratt      | 1            | Groundwater            | Low       | 1000 ppm                    | No               | \$ 1,000             |
| Keith            | Graham     | 4            | Domestic (Sole Source) | Low-Mod   | 250 ppm                     | No               | \$ 2,250             |
| Keller           | Rooks      | 4            | Domestic               | Low       | 250 ppm                     | Yes              | \$ 30,000            |

| Site Name        | County    | KCC District | Impact                   | Immediacy | Target Level Of Remediation | Unusual Problems | Estimated Total Cost |
|------------------|-----------|--------------|--------------------------|-----------|-----------------------------|------------------|----------------------|
| Knackstedt       | McPherson | 2            | WP (Cavity)              | Low-Mod   | N/A                         | Yes              | \$ 12,000            |
| Lang, Doris      | Ellis     | 4            | Domestic(Sole Source)    | Mod-High  | 250 ppm                     | No               | \$ 2,500             |
| Law Production   | Stafford  | 1            | Groundwater              | Low       | 500 ppm                     | No               | \$ 3,500             |
| Lawless          | McPherson | 2            | Domestic                 | Low       | 500 ppm                     | Yes              | \$ 6,500             |
| LeRoy            | Coffey    | 3            | GW / Soil                | Low       | 500 ppm                     | No               | \$ 10,500            |
| Long Rifle       | Ellis     | 4            | Groundwater / Domestic   | Resolved  | Reached                     | Yes              | N/A                  |
| Macksville       | Pawnee    | 1            | Groundwater              | UR        | 300 ppm                     | Yes              | \$ 15,000(yr)        |
| Maupin           | Russell   | 4            | Domestic / Stock Well    | Low-Mod   | 500 ppm                     | No               | \$ 2,000             |
| McDonald - East  | Linn      | 3            | GW / SW                  | Low       | 500 ppm                     | No               | \$ 1,700             |
| McDonald - West  | Linn      | 3            | Groundwater              | Low       | 500 ppm                     | No               | \$ 350               |
| Minium           | Graham    | 4            | Groundwater / Stock Well | Low       | 500 ppm                     | No               | \$ 250               |
| Mowat            | Marion    | 2            | Domestic(Sole Source)    | Low       | N/A - Gas                   | Yes              | \$ 2,250             |
| Nuss             | Russell   | 4            | Domestic / Stock Well    | Low       | 250 ppm                     | No               | \$ 1,250             |
| Otis Creek Basin | Greenwood | 3            | GW / SW / Soil           | Resolved  | Reached                     | No               | N/A                  |
| Packard          | Barber    | 1            | Groundwater / Water Well | High      | 1000 ppm                    | Yes              | \$ 275,000           |



| Site Name         | County   | KCC District | Impact                   | Immediacy | Target Level Of Remediation | Unusual Problems | Estimated Total Cost |
|-------------------|----------|--------------|--------------------------|-----------|-----------------------------|------------------|----------------------|
| Peace Creek       | Reno     | 2            | WP                       | Low       | N/A                         | Yes              | \$ 3,000             |
| Peavy-Mowry-Vine  | Rooks    | 4            | Stock Well               | Low       | 500 ppm                     | Yes              | \$ 28,000            |
| Pleasant Prairie  | Finney   | 1            | Stock Well               | Resolved  | Reached                     | Yes              | N/A                  |
| Raymond/Seelye    | Rush     | 1            | Groundwater              | Low       | 500 ppm                     | No               | \$ 500(yr)           |
| Rein              | Russell  | 4            | Groundwater              | Low       | 1000 ppm                    | Yes              | \$ 4,250             |
| Richmeier, Paxson | Graham   | 4            | GW / SW / Irrigation     | Resolved  | Reached                     | Yes              | N/A                  |
| Rixon             | Stafford | 1            | Groundwater / IR         | Low       | 250 ppm                     | No               | \$ 300(yr)           |
| Ruder             | Ellis    | 4            | GW / SW                  | Moderate  | 500 ppm                     | Yes              | \$ 8,250             |
| Russell City      | Russell  | 4            | Domestic / Irrigation    | Moderate  | 1000 ppm                    | Yes              | \$ 420,000           |
| Russell RWD #1    | Russell  | 4            | Public Water Supply Well | Mod-High  | 250 ppm                     | Yes              | \$ 3,000             |
| RWD #6            | Franklin | 3            | Public Water Supply      | Moderate  | 250 ppm                     | No               | \$ 300               |
| S&K               | Reno     | 2            | Groundwater / Domestic   | Low-Mod   | 750 ppm                     | Yes              | \$ 15,000            |
| Sample            | Sedgwick | 2            | Groundwater              | Low       | 500 ppm                     | Yes              | \$ 2,500             |
| Sander            | Russell  | 4            | Stock Well               | Low       | 1000 ppm                    | Yes              | \$ 3,000             |
| Sarver            | Rooks    | 4            | Stock Well               | Low       | 250 ppm                     | No               | \$ 2,250             |

| Site Name                        | County    | KCC District | Impact                | Immediacy | Target Level Of Remediation | Unusual Problems | Estimated Total Cost |
|----------------------------------|-----------|--------------|-----------------------|-----------|-----------------------------|------------------|----------------------|
| Schnellar                        | Trego     | 4            | Groundwater           | Low       | 1000 ppm                    | No               | \$ 1,250             |
| Schraeder                        | Hodgeman  | 1            | GW / Stock Well       | Low       | 350 ppm                     | No               | \$ 223,000           |
| Schroeder                        | McPherson | 2            | Domestic              | Low       | 500-750 ppm                 | Yes              | \$ 10,000            |
| Schruben-Rogers                  | Rooks     | 4            | Domestic(Sole Source) | Low       | 250 ppm                     | No               | \$ 2,000             |
| Schulte Field                    | Sedgwick  | 2            | Domestic / PWSW       | Moderate  | 500 ppm                     | Yes              | \$ 615,000           |
| Selzer                           | McPherson | 2            | GW / SW               | Moderate  | 500-750 ppm                 | Yes              | \$ 62,500            |
| Simons                           | Rooks     | 4            | Surface Water / SD    | Low       | 500 ppm                     | No               | \$ 1,500             |
| Smith-Finn                       | Morton    | 1            | Domestic              | UR        | 500 ppm                     | Yes              | \$ 2,600             |
| South Spivey                     | Kingman   | 2            | GW / DM / SW          | UR        | 750 ppm                     | Yes              | \$ 5,000             |
| South Stockton                   | Rooks     | 4            | Domestic              | Low       | 500 ppm                     | No               | \$ 1,000             |
| South Wichita<br>(Blood Orchard) | Sedgwick  | 2            | PWSW / DM / IR        | Low-Mod   | 500 to 750 ppm              | Yes              | \$ 257,500           |
| Staudinger                       | Barton    | 4            | Surface Water         | Low       | 1000 ppm                    | No               | \$ 1,250             |
| Striker                          | Reno      | 2            | GW                    | Low       | 350 ppm                     | No               | \$ 5,000             |
| Swisher                          | Saline    | 2            | Domestic / SD         | Low       | 500-750 ppm                 | Yes              | \$ 2,500             |
| Tillock                          | McPherson | 2            | Domestic              | Low       | 500 ppm                     | Yes              | \$ 1,000(yr)         |

| Site Name            | County  | KCC District | Impact                   | Immediacy | Target Level Of Remediation | Unusual Problems | Estimated Total Cost |
|----------------------|---------|--------------|--------------------------|-----------|-----------------------------|------------------|----------------------|
| Vaughn               | Reno    | 2            | Domestic (Sole Source)   | Low-Mod   | 500 ppm                     | Yes              | \$ 1,000             |
| Webber               | Butler  | 2            | Domestic (Sole Source)   | Low       | 500 ppm                     | Yes              | \$ 1,000             |
| West Hiss            | Barton  | 4            | GW / Domestic (SS)       | Resolved  | Reached                     | No               | PRP                  |
| Wildboy's            | Barber  | 1            | GW / SW / PWSW           | Mod-High  | 500 ppm                     | No               | \$ **                |
| Wilgus               | Saline  | 2            | Domestic                 | Low       | 500 to 750 ppm              | Yes              | \$ 8,000             |
| Wingate              | Wilson  | 3            | GW / Soil                | Low       | 500 ppm                     | No               | \$ 700               |
| Wittman              | Russell | 4            | Groundwater / Stock Well | Resolved  | Reached                     | No               | N/A                  |
| Zimmerman            | Ellis   | 4            | GW / Stock Well          | Low       | 800 ppm                     | No               | <u>\$ 2,250</u>      |
| Total Estimated Cost |         |              |                          |           |                             |                  | \$6,619,745          |

GW=Groundwater    SW=Surface Water    ABDW=Abandoned Well    IR=Irrigation Well    PWSW=Public Water Supply Well  
 STK=Stock Well    WP=Well Problem    DM=Domestic    SS=Sole Source    SD=Surface Damage    Mod=Moderate  
 UR=Under Remediation

## CONTAMINATION SITES BY RIVER BASIN LOCATION

| <u>SITE NAME</u> | <u>COUNTY</u> | <u>LOCATION</u> | <u>RIVER BASIN</u>  | <u>DISTRICT</u> |
|------------------|---------------|-----------------|---------------------|-----------------|
| ALDRICH          | KINGMAN       | 25-30 S- 08 W   | LOWER ARKANSAS      | 2               |
| ALTA MILLS       | HARVEY        | 02-22 S- 02 W   | LOWER ARKANSAS      | 2               |
| AMERICAN SALT    | RICE          | 33-20 S- 07 W   | LOWER ARKANSAS      | 2               |
| AMONS            | BUTLER        | 11-25 S- 04 E   | WALNUT              | 2               |
| ARKANSAS RIVER   | COWLEY        | 07-33 S- 03 E   | LOWER ARKANSAS      | 2               |
| ASBURY           | COWLEY        | 07-30 S- 08 E   | WALNUT              | 2               |
| AVEY             | RUSH          | 15-18 S- 16 W   | UPPER ARKANSAS      | 1               |
| BALTHAZOR        | GRAHAM        | 14-09 S- 21 W   | SOLOMON             | 4               |
| BATT             | RUSSELL       | 35-15 S- 14 W   | SMOKY HILL - SALINE | 4               |
| BEARD AND MEATS  | COFFEY        | 12-23 S- 16 E   | NEOSHO              | 3               |
| BRAUN            | ELLIS         | 32-13 S- 16 W   | SMOKY HILL - SALINE | 4               |
| BROTHERS         | RICE          | 12-21 S- 07 W   | LOWER ARKANSAS      | 2               |
| BROWNING         | GREENWOOD     | 20-22 S- 10 E   | VERDIGRIS           | 3               |
| BUCKNER          | GRAHAM        | 01-08 S- 22 W   | SOLOMON             | 4               |
| BURRTON          | HARVEY        | -23 S- 03 W     | LOWER ARKANSAS      | 2               |
| CATRON           | SEDGWICK      | 07-26 S- 01 E   | LOWER ARKANSAS      | 2               |
| CESSNA           | KINGMAN       | 12-30 S- 07 W   | LOWER ARKANSAS      | 2               |
| CLAWSON          | HASKELL       | 34-29 S- 34 W   | CIMARRON            | 1               |

| <b>SITE NAME</b> | <b>COUNTY</b> | <b>LOCATION</b> | <b>RIVER BASIN</b>  | <b>DISTRICT</b> |
|------------------|---------------|-----------------|---------------------|-----------------|
| CODELL           | ROOKS         | 13-10 S- 17 W   | SMOKY HILL - SALINE | 4               |
| CURTIS           | STAFFORD      | 26-24 S- 14 W   | LOWER ARKANSAS      | 1               |
| DETTWEILER       | HARVEY        | 02-23 S- 02 W   | LOWER ARKANSAS      | 2               |
| DINKEL           | ELLIS         | 32-13 S- 17 W   | SMOKY HILL - SALINE | 4               |
| DINKEL/SANDERS   | ELLIS         | 16-14 S- 17 W   | SMOKY HILL - SALINE | 4               |
| DORTLAND, E      | RUSSELL       | 05-14 S- 15 W   | SMOKY HILL - SALINE | 4               |
| DORTLAND, H      | ELLIS         | 34-12 S- 16 W   | SMOKY HILL - SALINE | 4               |
| EASTMAN          | MONTGOMERY    | 12-35 S- 16 E   | VERDIGRIS           | 3               |
| EB-3C            | RENO          | 25-23 S- 04 W   | LOWER ARKANSAS      | 2               |
| ELM CREEK        | ROOKS         | 06-09 S- 17 W   | SOLOMON             | 4               |
| ENOCH THOMPSON   | PAWNEE        | 17-21 S- 20 W   | UPPER ARKANSAS      | 1               |
| FINK             | GRAHAM        | 27-08 S- 22 W   | SOLOMON             | 4               |
| FOWLER           | MONTGOMERY    | 19-32 S- 15 E   | VERDIGRIS           | 3               |
| GREENWOOD        | GREENWOOD     | 19-22 S- 11 E   | VERDIGRIS           | 3               |
| GROSS            | ELLIS         | 18-15 S- 17 W   | SMOKY HILL - SALINE | 4               |
| HARBAUGH         | BARBER        | 20-33 S- 11 W   | LOWER ARKANSAS      | 1               |
| HOLLOW NIKKEL    | HARVEY        | 20-22 S- 03 W   | LOWER ARKANSAS      | 2               |
| HOUSER           | ROOKS         | 08-10 S- 17 W   | SMOKY HILL - SALINE | 4               |
| HRENCHER         | BARBER        | 36-32 S- 12 W   | LOWER ARKANSAS      | 1               |
| HULLMAN          | PRATT         | 07-27 S- 12 W   | LOWER ARKANSAS      | 1               |
| IREY-HRABE       | ROOKS         | 01-09 S- 17 W   | SOLOMON             | 4               |

| <b>SITE NAME</b>       | <b>COUNTY</b> | <b>LOCATION</b> | <b>RIVER BASIN</b>  | <b>DISTRICT</b> |
|------------------------|---------------|-----------------|---------------------|-----------------|
| PEAVY-MOWRY-VINE-BATES | ROOKS         | 16-10 S- 18 W   | SMOKY HILL - SALINE | 4               |
| PLEASANT PRAIRIE       | FINNEY        | 19-26 S- 34 W   | UPPER ARKANSAS      | 1               |
| RAYMOND/SEELYE         | RUSH          | 03-16 S- 19 W   | SMOKY HILL - SALINE | 1               |
| REIN                   | RUSSELL       | 18-14 S- 13 W   | SMOKY HILL - SALINE | 4               |
| RICHMEIER              | GRAHAM        | 16-08 S- 25 W   | SOLOMON             | 4               |
| RIXON                  | STAFFORD      | 07-24 S- 13 W   | LOWER ARKANSAS      | 1               |
| RUDER                  | ELLIS         | 08-15 S- 18 W   | SMOKY HILL - SALINE | 4               |
| RUSSELL CITY           | RUSSELL       | 27-13 S- 14 W   | SMOKY HILL - SALINE | 4               |
| RUSSELL RWD #1         | RUSSELL       | 34-14 S- 14 W   | SMOKY HILL - SALINE | 4               |
| RWD #6                 | FRANKLIN      | 22-17 S- 21 E   | MARAIS DES CYGNES   | 3               |
| S&K                    | RENO          | 13-24 S- 04 W   | LOWER ARKANSAS      | 2               |
| SAMPLE                 | SEDGWICK      | 29-26 S- 02 E   | WALNUT              | 2               |
| SANDER                 | RUSSELL       | 03-14 S- 15 W   | SMOKY HILL - SALINE | 4               |
| SARVER                 | ROOKS         | 12-09 S- 16 W   | SMOKY HILL - SALINE | 4               |
| SCHNELLAR              | TREGO         | 25-13 S- 21 W   | SMOKY HILL - SALINE | 4               |
| SCHRAEDER              | HODGEMAN      | 03-24 S- 24 W   | UPPER ARKANSAS      | 1               |
| SCHROEDER              | MCPHERSON     | 01-20 S- 01 W   | LOWER ARKANSAS      | 2               |
| SCHRUBEN-ROGERS        | ROOKS         | 18-07 S- 17 W   | SOLOMON             | 4               |
| SCHULTE                | SEDGWICK      | 07-28 S- 01 W   | LOWER ARKANSAS      | 2               |
| SELZER                 | MCPHERSON     | 02-20 S- 01 W   | LOWER ARKANSAS      | 2               |
| SIMONS                 | ROOKS         | 26-07 S- 17 W   | SOLOMON             | 4               |

| <b>SITE NAME</b> | <b>COUNTY</b> | <b>LOCATION</b> | <b>RIVER BASIN</b>  | <b>DISTRICT</b> |
|------------------|---------------|-----------------|---------------------|-----------------|
| SMITH-FINN       | MORTON        | 08-34 S- 43 W   | CIMARRON            | 1               |
| SOUTH SPIVEY     | KINGMAN       | 34-30 S- 08 W   | LOWER ARKANSAS      | 2               |
| SOUTH STOCKTON   | ROOKS         | 24-07 S- 18 W   | SOLOMON             | 4               |
| SOUTH WICHITA    | SEDGWICK      | 29-28 S- 01 E   | LOWER ARKANSAS      | 2               |
| STAUDINGER       | BARTON        | 07-16 S- 11 W   | SMOKY HILL - SALINE | 4               |
| STRIKER          | RENO          | 07-24 S- 10 W   | LOWER ARKANSAS      | 2               |
| SWISHER WELL     | SALINE        | 08-16 S- 01 W   | SMOKY HILL - SALINE | 2               |
| TILLOCK          | MCPHERSON     | 21-19 S- 02 W   | LOWER ARKANSAS      | 2               |
| VAUGHN           | RENO          | 30-24 S- 04 W   | LOWER ARKANSAS      | 2               |
| WEBBER           | BUTLER        | 01-27 S- 04 E   | WALNUT              | 2               |
| WEST HISS        | BARTON        | 36-20 S- 14 W   | UPPER ARKANSAS      | 4               |
| WILDBOY'S        | BARBER        | 28-33 S- 11 W   | LOWER ARKANSAS      | 1               |
| WILGUS           | SALINE        | 20-14 S- 02 W   | SMOKY HILL - SALINE | 2               |
| WINGATE          | WILSON        | 17-29 S- 17 E   | VERDIGRIS           | 3               |
| WITTMAN          | RUSSELL       | 24-14 S- 15 W   | SMOKY HILL - SALINE | 4               |
| ZIMMERMAN        | ELLIS         | 35-15 S- 19 W   | SMOKY HILL - SALINE | 4               |

# CONTAMINATION SITE EXPENDITURES

| SITE NAME       | CONTROL NO. | STAFF HOURS | REMEDATION FUND |                 |
|-----------------|-------------|-------------|-----------------|-----------------|
|                 |             |             | EXPENDITURE FOR | AUTHORIZATION / |
|                 |             |             | STAFF HOURS     | EXPENDITURE     |
| ALDRICH         | 970018-00   | 15          | \$285.51        |                 |
| ALTA MILLS      | 970001-00   | 12          | \$222.96        |                 |
| AMERICAN SALT   | 970019-00   | 6           | \$114.84        |                 |
| AMONS           | 970020-00   | 3           | \$60.78         |                 |
| ARKANSAS RIVER  | 970021-00   | 4           | \$78.80         |                 |
| ASBURY          | 970022-00   | 6.5         | \$123.85        |                 |
| AVEY            | 970002-00   | 8.5         | \$156.69        |                 |
| BALTHAZOR       | 970023-00   | 23          | \$421.18        |                 |
| BATT            | 970025-00   | 7.75        | \$146.38        |                 |
| BEARD AND MEATS | 970026-00   | 2           | \$42.76         |                 |
| BRAUN           | 970028-00   | 7           | \$132.86        |                 |
| BROTHERS        | 970029-00   | 16          | \$315.39        |                 |
| BROWNING        | 970030-00   | 2           | \$42.76         |                 |
| BUCKNER         | 970031-00   | 4           | \$78.80         |                 |
| BURRTON         | 970003-00   | 926         | \$12,481.26     | \$83,765.00     |
| CATRON          | 970004-00   | 13          | \$240.98        |                 |
| CESSNA          | 970032-00   | 9           | \$174.56        |                 |
| CLAWSON         | 970005-00   | 6           | \$114.84        |                 |
| CODELL          | 970033-00   | 15          | \$277.02        |                 |
| CURTIS          | 970034-00   | 61.5        | \$1,174.99      | \$584.97        |
| DETTWEILER      | 970006-00   | 10.5        | \$210.08        |                 |
| DINKEL          | 970035-00   | 8           | \$150.88        |                 |
| DINKEL/SANDERS  | 970036-00   | 9           | \$168.90        |                 |
| DORTLAND, E     | 970038-00   | 12          | \$222.96        |                 |
| DORTLAND, H     | 970037-00   | 7           | \$132.86        |                 |
| EASTMAN         | 970041-00   | 2           | \$42.76         |                 |
| EB-3C           | 970042-00   | 3.5         | \$69.79         |                 |
| ELM CREEK       | 970043-00   | 239         | \$4,433.30      | \$29,200.00     |
| ENOCH THOMPSON  | 970044-00   | 26.5        | \$477.85        |                 |
| FINK            | 970007-00   | 8           | \$150.88        |                 |
| FOWLER          | 970046-00   | 2           | \$42.76         |                 |
| GREENWOOD       | 970048-00   | 2           | \$42.76         |                 |

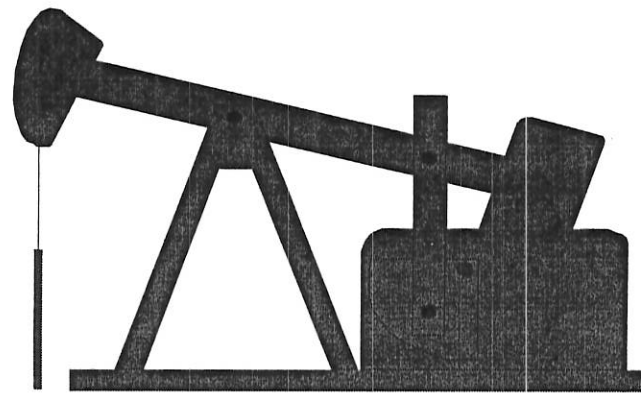


| SITE NAME           | CONTROL NO. | STAFF HOURS | REMEDATION FUND                |                                |
|---------------------|-------------|-------------|--------------------------------|--------------------------------|
|                     |             |             | EXPENDITURE FOR<br>STAFF HOURS | AUTHORIZATION /<br>EXPENDITURE |
| GROSS               | 970008-00   | 2           | \$42.76                        |                                |
| HARBAUGH            | 970049-00   | 237.5       | \$4,417.93                     | \$189,137.92                   |
| HOLLOW NIKKEL       | 970009-00   | 4.5         | \$87.81                        | \$1,761.00                     |
| HOUSER              | 970050-00   | 32          | \$583.36                       |                                |
| HRENCHER            | 970051-00   | 10          | \$169.32                       |                                |
| HULLMAN             | 970052-00   | 14          | \$249.40                       |                                |
| IREY-HRABE          | 970053-00   | 4           | \$78.80                        |                                |
| JENNINGS            | 970054-00   | 7           | \$132.86                       |                                |
| JOHNSON             | 970055-00   | 23          | \$432.28                       |                                |
| JOHNSON, R          | 970056-00   | 19          | \$337.90                       |                                |
| KEITH               | 970058-00   | 4           | \$78.80                        |                                |
| KELLER              | 970059-00   | 7           | \$132.86                       |                                |
| KNACKSTEDT          | 970060-00   | 31          | \$585.69                       | \$153.39                       |
| LANG                | 970010-00   | 33          | \$601.38                       |                                |
| LAW PROD            | 970062-00   | 3           | \$60.78                        |                                |
| LAWLESS             | 970063-00   | 5.5         | \$105.83                       |                                |
| LEROY               | 970064-00   | 2           | \$42.76                        |                                |
| LONG RIFLE          | 970065-00   | 12          | \$222.96                       |                                |
| MACKSVILLE          | 970066-00   | 31          | \$558.94                       | \$8,190.54                     |
| MAUPIN              | 970068-00   | 8           | \$150.88                       |                                |
| MC DONALD-EAST      | 970070-00   | 2           | \$42.76                        |                                |
| MC DONALD-WEST      | 970071-00   | 2           | \$42.76                        |                                |
| MINIUM              | 970072-00   | 6           | \$114.84                       |                                |
| MOWAT               | 970073-00   | 6           | \$114.84                       |                                |
| NUSS                | 970074-00   | 5           | \$96.82                        |                                |
| OTIS CREEK          | 970011-00   | 2           | \$42.76                        |                                |
| PACKARD             | 970075-00   | 8           | \$146.08                       |                                |
| PEACE CREEK         | 970076-00   | 14          | \$259.00                       |                                |
| PEAVY-MOWRY-VINE-BA | 970077-00   | 11          | \$204.94                       |                                |
| PLEASANT PRAIRIE    | 970078-00   | 6           | \$114.84                       |                                |
| RAYMOND/SEELYE      | 970079-00   | 11          | \$201.74                       |                                |
| REIN                | 970080-00   | 7.75        | \$146.38                       |                                |
| RICHMEIER           | 970012-00   | 17          | \$313.06                       |                                |
| RIXON               | 970081-00   | 4           | \$78.80                        |                                |

| SITE NAME       | CONTROL NO. | STAFF HOURS    | REMEDIATION FUND               |                                |
|-----------------|-------------|----------------|--------------------------------|--------------------------------|
|                 |             |                | EXPENDITURE FOR<br>STAFF HOURS | AUTHORIZATION /<br>EXPENDITURE |
| RUDER           | 970082-00   | 5.5            | \$105.83                       |                                |
| RUSSELL CITY    | 970083-00   | 13             | \$240.98                       |                                |
| RUSSELL RWD #1  | 970084-00   | 14             | \$259.00                       |                                |
| RWD #6          | 970085-00   | 2              | \$42.76                        |                                |
| S&K             | 970086-00   | 20.5           | \$398.77                       |                                |
| SAMPLE          | 970088-00   | 13             | \$240.98                       |                                |
| SANDER          | 970089-00   | 4              | \$78.80                        |                                |
| SARVER          | 970090-00   | 6.5            | \$123.85                       |                                |
| SCHNELLAR       | 970091-00   | 5.5            | \$105.83                       |                                |
| SCHRAEDER       | 970013-00   | 21             | \$378.74                       |                                |
| SCHROEDER       | 970092-00   | 11             | \$209.86                       |                                |
| SCHRUBEN-ROGERS | 970014-00   | 32.5           | \$592.37                       |                                |
| SCHULTE         | 970015-00   | 73.5           | \$1,353.83                     | \$1,218.50                     |
| SELZER          | 970093-00   | 18             | \$331.08                       |                                |
| SIMONS          | 970094-00   | 6.5            | \$123.85                       |                                |
| SMITH-FINN      | 970095-00   | 14.5           | \$247.21                       |                                |
| SOUTH SPIVEY    | 970096-00   | 28             | \$516.94                       |                                |
| SOUTH STOCKTON  | 970087-00   | 9              | \$168.90                       |                                |
| SOUTH WICHITA   | 970016-00   | 167            | \$3,154.73                     | \$70.00                        |
| STAUDINGER      | 970097-00   | 2              | \$42.76                        |                                |
| STRIKER         | 970099-00   | 9              | \$168.90                       |                                |
| SWISHER WELL    | 970100-00   | 8              | \$150.88                       |                                |
| TILLOCK         | 970101-00   | 3.5            | \$69.79                        |                                |
| VAUGHN          | 970102-00   | 9.5            | \$177.91                       |                                |
| WEBBER          | 970104-00   | 5              | \$96.82                        |                                |
| WEST HISS       | 970105-00   | 33             | \$601.38                       |                                |
| WILDBOY'S       | 970017-00   | 7              | \$123.26                       |                                |
| WILGUS          | 970106-00   | 8              | \$158.28                       |                                |
| WINGATE         | 970107-00   | 2              | \$42.76                        |                                |
| WITTMAN         | 970108-00   | 3.75           | \$74.30                        |                                |
| ZIMMERMAN       | 970109-00   | 9              | \$168.90                       |                                |
| <b>Totals:</b>  |             | <b>2632.75</b> | <b>\$44,376.16</b>             | <b>\$314,081.32</b>            |

Abandoned Well and Site Remediation Fund  
Status Report  
to  
The 1998 Legislative Session

Kansas Corporation Commission  
Conservation Division



*House Environment  
1-20-98  
Attachment 4*

# Abandoned Well / Site Remediation Fund

- **The fund was created during the 1996 Legislative Session with the passage of House Substitute for S.B. 755**
- **The purpose of the fund is to provide additional funding to the Kansas Corporation Commission, Conservation Division with which to address the problem of both abandoned oil and gas wells and exploration and production related contamination sites.**
- **In addition to the creation of the fund the legislation directed the Conservation Division to establish financial responsibility requirements for oil and gas operators within the State of Kansas. These requirements were to be in place by January 1, 1998.**

# Abandoned Well / Site Remediation Fund

## Funding Sources

**Funding to this abandoned well plugging and site remediation program is provided through four funding sources.**

**Increased assessments on crude oil and natural gas production through the Conservation Fee Fund: \$400,000 / Year**

**General Fund monies: \$400,000 / Year**

**50% of monies received by the State through the Federal mineral leasing program: Currently estimated in excess of \$400,000 / Year**

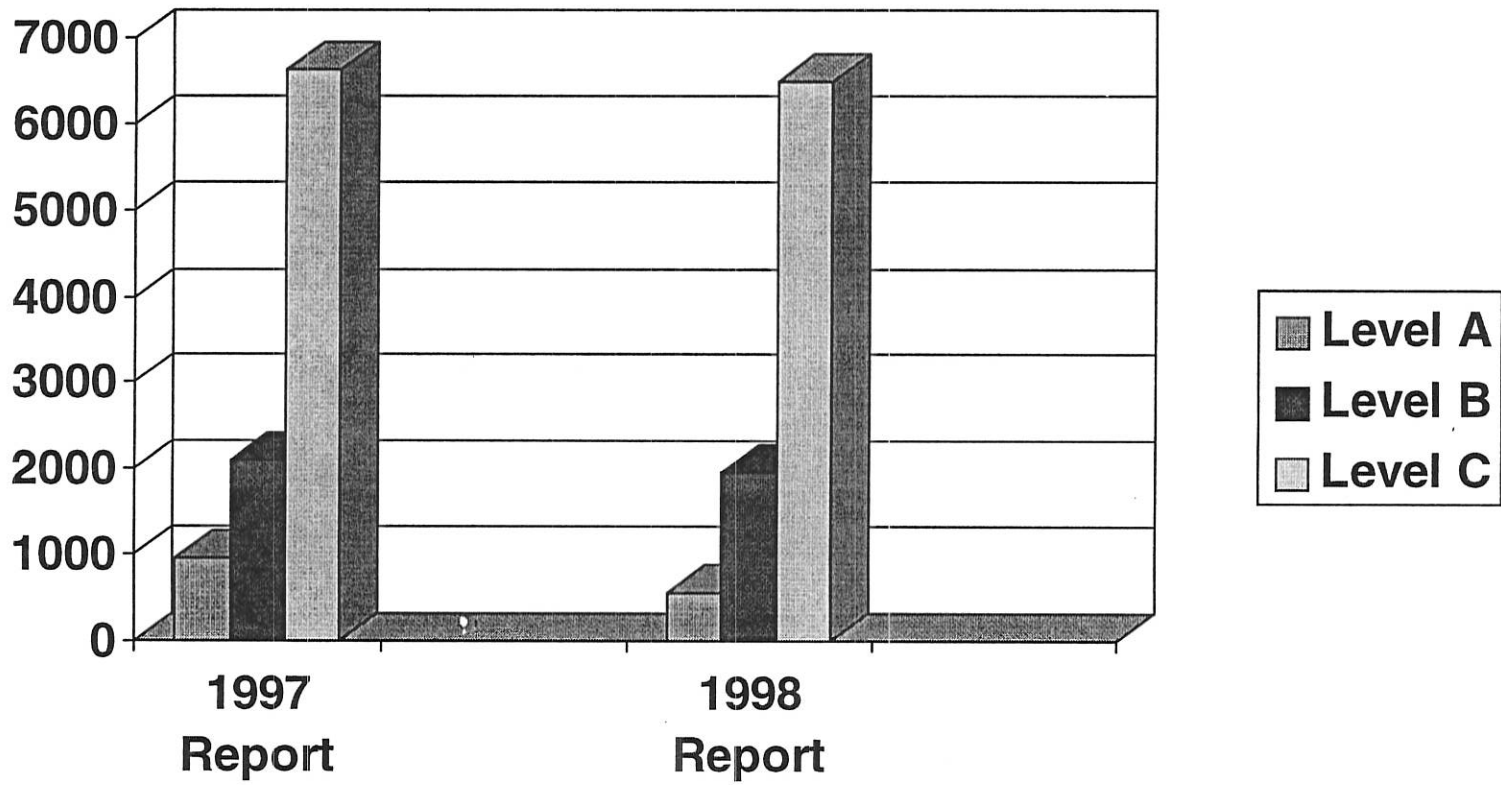
**State Water Plan monies: \$400,000 / Year**

# Abandoned Well / Site Remediation Fund

## Status of the Abandoned Well Inventory

- **The Kansas Corporation Commission abandoned well inventory currently contains 10,573 documented and verified wells. This represents an increase in the total inventory of 263 wells over that reported in January of 1997. Of this total 9,929 are listed in the Priority I inventory. Of these wells 8,999 wells still require plugging operations.**
- **During fiscal year 1997 428 abandoned wells were plugged at a cost of \$1,457,007 or \$3,536 / well. For the first 6 months of fiscal year 1998 385 have been authorized to be plugged or have been plugged with monies from the fund.**
- **Distribution of remaining Priority I wells needing plugging operations are by action level: Level A = 564 (6.3%), Level B = 1953 (21.7%), Level C = 6482 (72.0%).**

# Abandoned Well / Site Remediation Fund Wells Requiring Action



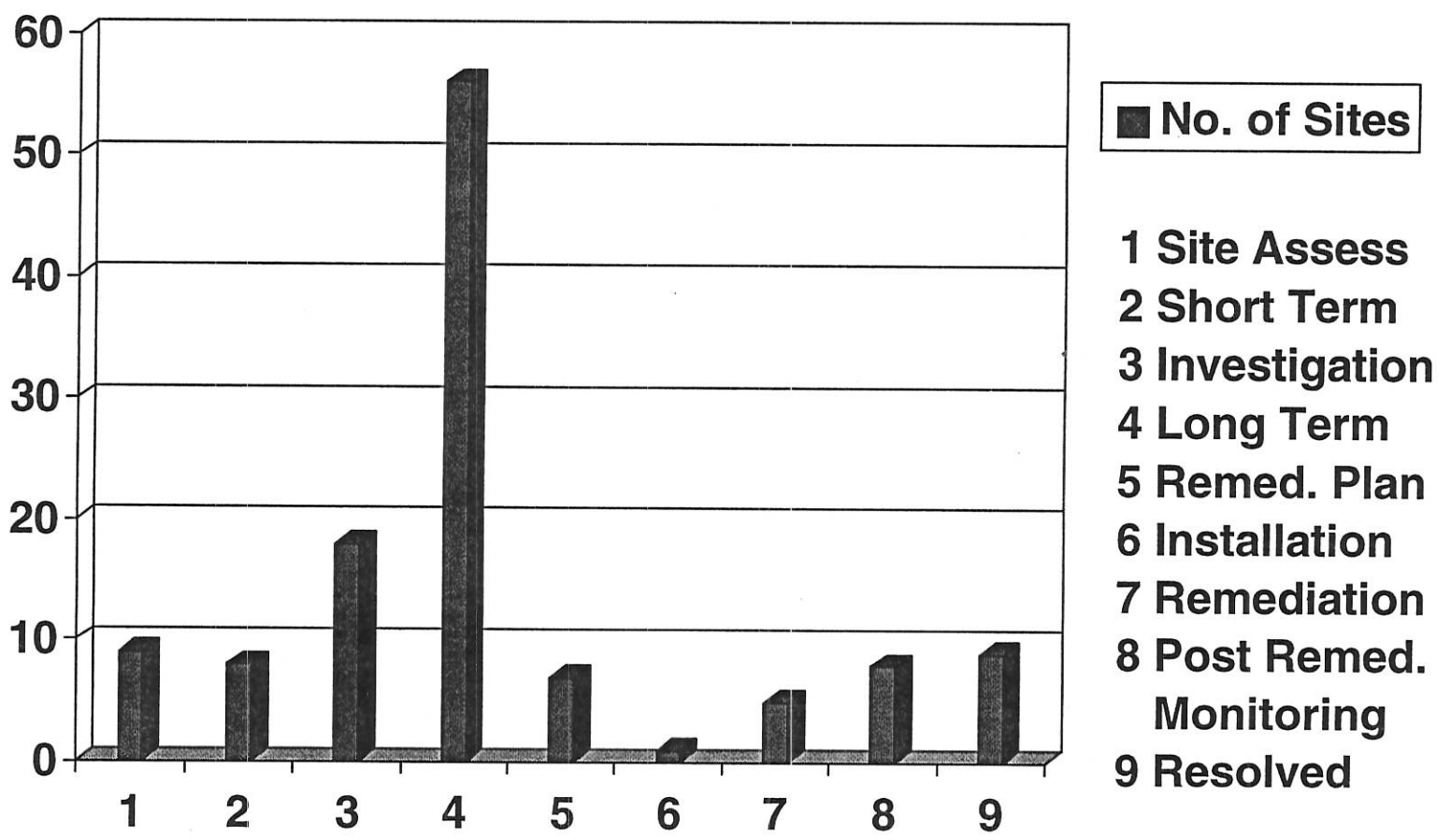
65%

# Abandoned Well / Site Remediation Fund Status of the Site Remediation Inventory

- **When the Abandoned Well / Site Remediation Fund was first created the KCC carried a listing of 109 sites. During the previous report period (1997) four sites were combined with other existing sites and eight sites were resolved. Of the 97 sites contained in the 1998 report nine additional sites have been resolved thereby resulting in 88 active sites.**
- **Distribution of Sites with respect to Immediacy levels are: Low & Low to Moderate = 69.5%, Moderate = 11.4%, Moderate to High & High = 13.6%, Other (Under Remediation) = 5.7%.**
- **Site status and cost reporting has been improved and will allow for more consistent tracking of efforts at projects and the direct and indirect costs associated with those sites. Expenditures / Authorizations against the fund since the last report include \$314,081 of direct costs to site projects.**



# Abandoned Well / Site Remediation Fund Distribution of Sites by Status



# Abandoned Well / Site Remediation Fund Operator Financial Responsibility Requirements

- **Operators having an acceptable record of compliance with KCC rules and regulations over the proceeding 36 months may pay a \$50 nonrefundable fee.**
- **Operators that have not been licensed for at least the proceeding 36 months or have not met the acceptable record of compliance requirement must furnish one of the following on an annual basis:**
  1. **A performance bond or letter of credit in the amount equal to \$.75 x the aggregate depth of all wells under his control.**
  2. **A blanket bond or letter of credit between \$5000 and \$30,000 based on the depth and number of wells operated.**
  3. **A fee equal to 3% of the blanket bond required under 2.**
  4. **A first lien on equipment equal to the bond requirement.**
  5. **Other financial assurance approved by the Commission.**