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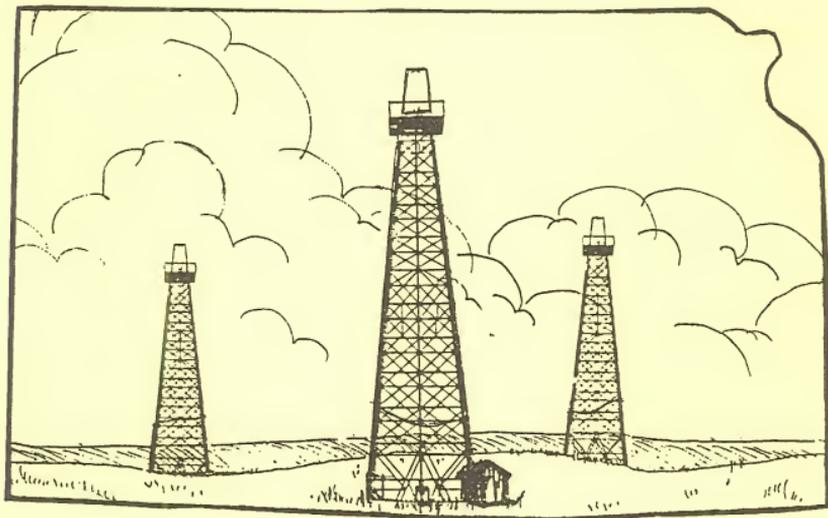
United States Department of the Interior  
Bureau of Land Management  
Tulsa District  
Oklahoma Resource Area

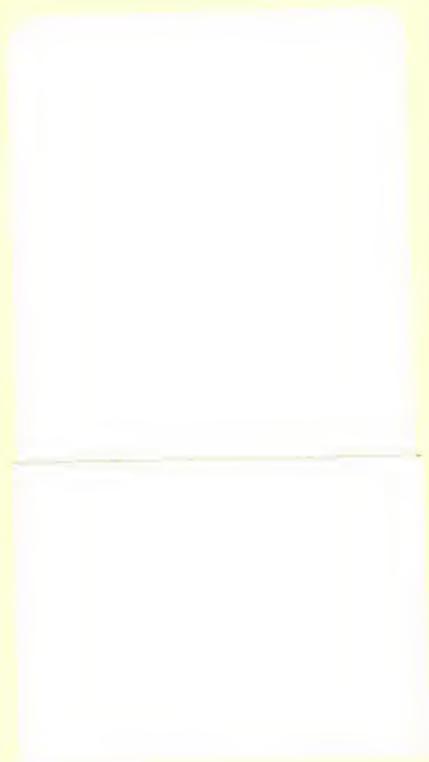
September 1991

# KANSAS RESOURCE MANAGEMENT PLAN



## RECORD OF DECISION AND PLAN





Dear Reader:

This document contains the combined Kansas Record of Decision (ROD) and Resource Management Plan (RMP).

The ROD and RMP are combined to streamline our mandated land-use-planning requirements and to provide the reader with a useable finished product.

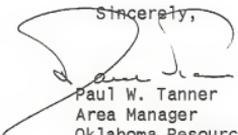
The ROD records the decisions of the Bureau of Land Management (BLM) for administration of approximately 744,000 acres of Federal mineral estate within the Kansas Planning Area.

The Planning Area encompasses BLM administered split-estate minerals and Federal minerals under Federal surface administered by other Federal Agencies within the State of Kansas.

The Kansas RMP and appendices provide direction and guidance to BLM Managers in the formulation of decisions effecting the management of Federal mineral estate within the planning area for the next 15 years. The Kansas RMP was extracted from the Proposed Kansas RMP/FIES.

The issuance of this ROD and RMP completes the BLM land use planning process for the State of Kansas. We now move to implementation of the plan. We wish to thank all the individuals and groups who participated in this effort these past two years, without their help we could not have completed this process.

Sincerely,



Paul W. Tanner  
Area Manager  
Oklahoma Resource Area





# **RECORD OF DECISION**

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*on the*

## **Proposed Kansas Resource Management Plan and Final Environmental Impact Statement**

*September 1991*



## RECORD OF DECISION

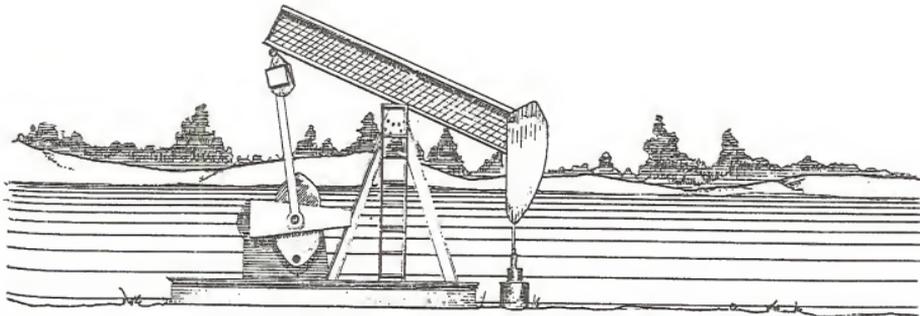
The decision is hereby made to approve the proposed decision as described in the Proposed Kansas Resource Management Plan/Final Environmental Impact Statement (RMP/FEIS July 1991).

### MANAGEMENT CONSIDERATIONS

The decision to approve the Proposed Plan is based on: (1) the input received from the public, other Federal and state agencies; (2) the environmental analysis for the alternatives considered in the Draft RMP/Draft EIS, as well as the Proposed Kansas RMP/FEIS. By adoption of this plan anticipated impacts as described in both the Draft and Final EIS will be minimized.

### IMPLEMENTATION AND MONITORING

The approved Kansas RMP provides specific management decisions for the planning area for the next 15 years. Plan monitoring will be performed by periodic managerial review to ensure that all subsequent land-use management decisions conform to the Plan and to the established guidelines. On-the-ground actions resulting from management decisions will be monitored by agency personnel to establish how effective the management measures are at minimizing environmental impacts.



#### **PUBLIC INVOLVEMENT**

Public opinion, input and involvement has been sought throughout the planning and decision making process. Public participation was documented in detail in Chapter 5 of the Proposed RMP/FEIS. An annual RMP summary document will be prepared to inform the public of the progress made in plan implementation.

#### **CONSISTENCY/PROTEST RESOLUTION**

No inconsistencies with the plans, programs, and policies of other Federal agencies or state and local governments were identified during the planning process, including the Governors consistency review. No protests were received on the Proposed Kansas RMP/FEIS

#### **PUBLIC AVAILABILITY OF THIS DOCUMENT**

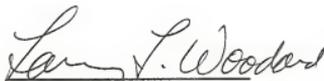
Copies of this document can be obtained by contacting the Bureau of Land Management, Oklahoma Resource Area, 221 North Service Road, Moore Oklahoma 72160.

#### **CONCLUSION**

This Record of Decision constitutes the final Bureau action involved in the approval of the Kansas Resource Management Plan. Any person adversely affected by a decision of the Bureau Officer in implementing some portion of a Resource Management Plan may appeal such action to the Interior Board of Land Appeals pursuant to 43 Code of Federal Regulations 4.400 at the time the action is proposed for implementation.

9-20-91

Date



Larry Woodard  
State Director, New Mexico  
Bureau of Land Management





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## INTRODUCTION

The Kansas Resource Management Plan (RMP) provides the BLM a comprehensive framework for managing the Federally owned minerals in the state of Kansas. The RMP establishes program constraints, resource objectives and resource management methods.

Management decisions presented in this plan will remain in effect until the plan is amended, revised or replaced by a new plan. If significant changes occur in the proposed uses of Federal minerals within the State, the RMP will be amended or revised to address those changes.

This RMP fulfills the Federal Land Policy and Management Act of 1976 (FLPMA) requirements for comprehensive land-use planning for public lands. All actions within this document conform to and are designed to meet the requirements of the Mineral Leasing Act of 1920, as amended.

### Description of Planning Area

Kansas is situated in the center of the contiguous forty-eight states. In fact, the geographic center of the country is located near the town of Lebanon in Smith County. Kansas is the 14th largest state and covers an area of about 82,264 square miles or roughly 52,648,960 acres. Kansas forms a rectangular area 208 miles north and south by 411 miles east and west. Kansas is bordered on the south by Oklahoma, the west by Colorado the north by Nebraska and the east by Missouri. Generally speaking, the state lies in the region known as the Great Plains and has a rich variation of climate, terrain, soil, and native plants and animals.

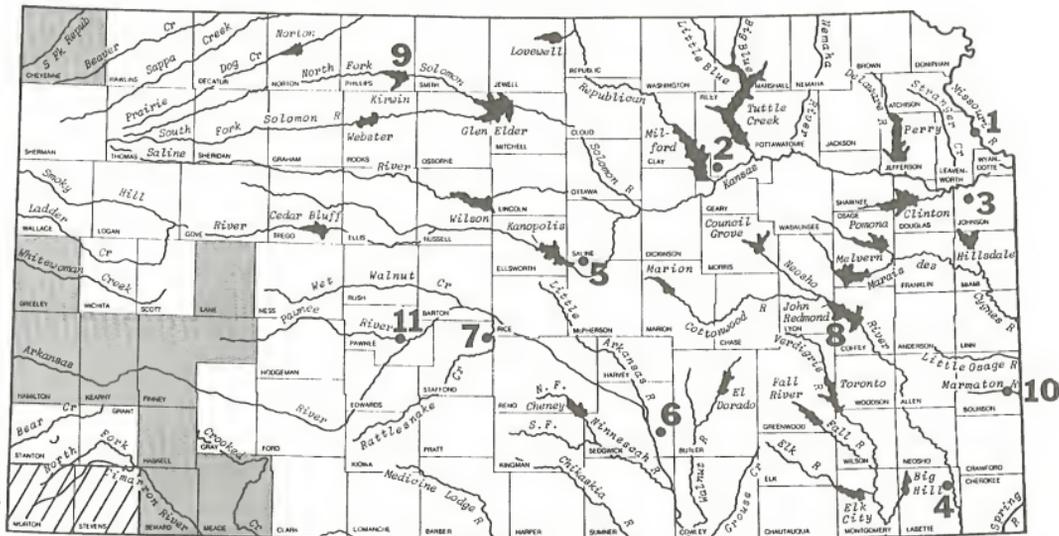
Federally owned surface and mineral estate in Kansas encompasses over 850,000 acres located in 90 out of 105

counties within the state. The Kansas Planning Area (Map 1) addressed by this plan consists of the Federally owned surface and mineral estate administered by the BLM, not including the 108,000 acres located in Morton and Stevens counties. The acreage in these two counties is managed by the U.S. Department of Agriculture, Forest Service (FS), Cimarron National Grassland. Management of Federal lands and minerals in Morton and Stevens counties has been addressed in the "Pike and San Isabel National Forests, Comanche and Cimarron National Grasslands Oil and Gas Leasing EIS and Forest Plan Amendment" (1991). The Forest Service plan meets the BLM requirements for land use planning and EIS documentation for mineral leasing.

The Kansas planning area includes approximately 73,000 acres of split estate minerals (Split estate refers to non-Federal surface estate over Federally owned mineral estate) as well as approximately 670,000 acres of Federal mineral estate underlying other (non-BLM or FS) Federal Surface Management Agencies (SMA) jurisdiction. Federal tracts range in size from less than 10 acres to over 100,000 acres.



# KANSAS PLANNING AREA



1. FORT LEAVENWORTH
2. FORT RILEY
3. SUNFLOWER AMMUNITION PLANT
4. KANSAS ARMY AMMUNITION PLANT
5. SMOKY HILL AIR NATIONAL GUARD RANGE
6. MCCONNELL AIR FORCE BASE
7. QUIVIRA NATIONAL WILDLIFE REFUGE
8. FLINT HILLS NATIONAL WILDLIFE REFUGE
9. KIRWIN NATIONAL WILDLIFE REFUGE
10. FORT SCOTT NATIONAL HISTORIC LANDMARK
11. FORT LARNED NATIONAL HISTORIC LANDMARK

■ COUNTIES WITH GREATER THAN 1000 ACRES OF SPLIT ESTATE.

The planning area includes both Public Domain (PD) minerals and acquired minerals scattered throughout the state. PD minerals have resulted from the Federal Government retaining ownership of the mineral estate. Acquired minerals result from a Federal Agencies purchase of lands and the underlying mineral estate for a specific purpose or project such as a military base or reservoir. Not all land and mineral estate within the administrative boundaries of SMA projects are Federal. For land use planning purposes however, all acreage within the administrative boundaries of the SMA projects are treated as Federal.

The Federal SMAs within Kansas and their areas of responsibility include:

(1) The United States Army, Corps of Engineers (USA, COE), Kansas City District for Clinton, Hillsdale, Kanopolis, Melvern, Milford, Perry, Pomona, Tuttle Creek, and Wilson reservoirs as well as various local flood protection projects;

(2) The USA, COE, Tulsa District for Council Grove, El Dorado, Elk City, Fall River, Hulah, John Redmond, Marion, Big Hill, and Toronto reservoirs as well as various local flood protection projects;

(3) The US Department of the Interior (DOI), Bureau of Reclamation (BOR), Great Plains Region for Cedar Bluff, Cheney, Glen Elder/Waconda, Kirwin, Lovewell, Norton, and Webster reservoirs;

(4) The USA, Combined Arms Center, Fort Leavenworth Military Reservation for Fort Leavenworth;

(5) The USA, 1st Infantry Division, Fort Riley Military Reservation for Fort Riley;

(6) The USA, Kansas Army Ammunition Plant, Parsons Kansas;

(7) The USA, Sunflower Ammunition Plant, Desoto Kansas;

(8) The USA, Kansas Air National Guard for the Smoky Hill Air National Guard Range;

(9) The US Air Force, 384TH Combat Support Group (SAC), McConnell Air Force Base for McConnell Air Force Base;

(10) The DOI, Fish and Wildlife Service (FWS), Region 6, Denver Colorado for the Flint Hills, Kirwin, and Quivira National Wildlife Refuges; and

(11) The DOI, National Park Service (NPS), Midwest Region, Omaha Nebraska for Fort Scott and Fort Larned National Historic Landmarks.

These agencies administer approximately 670,000 acres of the 744,000 acres within the planning area. A list of BLM administered split-estate minerals, identified by legal description, is included in Appendix 1.

#### PLANNING ISSUES, CRITERIA, AND MANAGEMENT CONCERNS

The BLM planning regulations equate land-use planning with problem solving and issue resolution. An issue is defined as an opportunity, conflict, or problem, regarding the use or management of public land and resources.

Planning criteria are the standards, rules, and measures used for data collection and alternative formulation, which were used for final plan selection. Planning criteria were taken from appropriate laws and regulations, BLM Manuals and directives, and concerns expressed in meetings, and consultations, both with the public and other agencies.

Management concerns are those non-issue related procedures or land-use allocations which have proven, during

the preparation of this RMP/EIS, to need modification. Management concerns focus on use conflicts, requirements, or conditions that cannot be resolved administratively and did not, during initial public scoping, appear to meet the criteria to qualify as a planning issue.

The issue examined as a result of the scoping process for the Kansas RMP was identified based upon the judgment of the planning team and BLM management consultation. The issue addresses the concerns of the public, industry and other Federal, State and local agencies.

ISSUE: Leasing and development of Federal oil and gas in Kansas.

The issue is further broken down into the following leasing categories:

1. Open Subject to Standard Terms and Conditions.

These areas of Federal minerals within Kansas as identified by this plan are open for oil and gas leasing and development subject to standard lease terms and conditions. These are the areas where the terms and conditions of a standard lease form are sufficient to protect other land uses and/or resource values.

2. Open Subject to Seasonal or Other Minor Constraints.

These areas of Federal minerals within Kansas are open for oil and gas leasing and development subject to minor constraints such as seasonal restrictions (wildlife, recreation, etc.). These areas as determined by the RMP/EIS process, are where moderately restrictive lease stipulations may be required to mitigate potential impacts to other land uses or resource values.

3. Open Subject to No Surface Occupancy and Similar Major Constraints.

These areas of Federal minerals within Kansas are open for oil and gas leasing and development subject to major constraints such as no-surface occupancy (NSO) stipulations on areas larger than 40 acres in size or more than 1/4 mile in width. These are the areas as determined in the RMP/EIS process, that require highly restrictive lease stipulations in order to mitigate potential impacts to other land uses or resource values.

4. Closed to Leasing.

These areas of Federal minerals within Kansas are closed to leasing. These areas as documented by the RMP/EIS process, are where other land uses or resource values cannot be adequately protected by the most restrictive lease stipulations and appropriate protection can only be ensured by closing the area to leasing. The RMP/EIS has identified closed areas by category of closure i.e., discretionary or non-discretionary closures. A non-discretionary closure is established by legislative mandate while a discretionary closure is the result of an agency management decision.

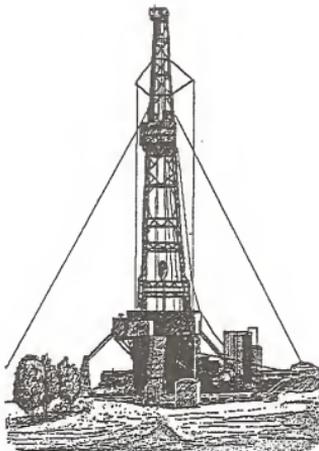
### MANAGEMENT DIRECTION

Existing leases may contain stipulations that are either too restrictive or not restrictive enough in terms of the goals and objectives established in the plan. Although lease terms cannot be modified by the RMP, the plan does allow existing leaseholders the opportunity to voluntarily conform with proposed stipulations contained in the plan.

### PLANNING CRITERIA

The following describes the planning criteria that were used in addressing the issue. The RMP:

1. Complies with laws, executive orders, policy, and regulations.
2. Ensures that resource outputs are reasonable and achievable with available technology.
3. Recommends resource allocations which are in accordance with the principles of multiple-use and sustained yield.
4. Describes the specific circumstances within which lease stipulations would be subject to waiver. Those lease stipulations not subject to waiver are also described.
5. Evaluates and considers long term benefits to the public in relation to short term benefits.
6. Provides for the orderly development of leasable minerals while keeping environmental impacts to a minimum.
7. Surface actions not controlled by or under the authority of the BLM are not addressed by the RMP/EIS. Surface uses authorized by the surface owner or the SMA are not subject to discussion in the RMP/EIS.



## THE RESOURCE MANAGEMENT PLAN

This plan is for all Federal minerals under the jurisdiction of the BLM in Kansas. This RMP was developed with guidance provided by the planning criteria, public consultation, and coordination with other agencies.

This RMP includes continuing management guidance and a description of new management actions outlined in the proposed plan.

### CONTINUING MANAGEMENT GUIDANCE

This section describes resource management guidance that is applicable to, and therefore constitutes a part of, the RMP. Continuing management guidance is provided by laws, executive orders, regulations, Interior Department manuals, BLM manuals and BLM Instruction Memoranda. Continuing management guidance also includes decisions from preceding land-use-plans, cooperative agreements or memoranda of understanding with other state and Federal agencies.

The BLM resource management programs which may be affected by management decisions resulting from this RMP are: 1) The lands program, which encompasses nearly all aspects of Federal real estate management; 2) The wildlife program, which includes threatened and endangered species

responsibilities for both plants and animals; 3) The cultural resources program, which involves paleontological, archeological and historic resources management responsibilities; and 4) The minerals management program, which involves all mineral resources and their management.

With disposal of the BLM administered PD surface estate accomplished, surface administration will be foregone and is not discussed in this document. Leasing of the mineral estate, specifically for oil and gas development in response to industry demands is the principle BLM

administrative function in Kansas. Understanding current BLM management responsibilities will help the reader understand the program descriptions that follow:

#### 1). Lands

The BLM administered surface estate in the Planning Area has been transferred out of Federal ownership.

The previous land use planning conducted by the BLM in Kansas consists of the "Planning Analysis (PA) for Proposed Disposal of Public Lands in Kansas" prepared in 1987 and the "Supplemental Planning Analysis (SPA) for Proposed Disposal of Public Lands in Kansas" completed in 1988. The PA, SPA and the accompanying Decision Documents pertain to the surface estate and do not address the disposition of Federal minerals within Kansas. The result of this previous planning is the decision to transfer title of the isolated tracts of BLM managed Federal surface estate to other than Federal ownership. There may also be additional tracts of public land situated within the state which are presently unidentified due to deficiencies in existing land status records.

Any unidentified tracts detected will be disposed of through procedures outlined in 43 CFR 2710, Sales, or 43 CFR 2740, R&PP. If at some future date, abandoned rail road corridors revert to Federal ownership, the corridors in question would be evaluated for potential rails to trails projects with full public participation as required by law.

## 2). Wildlife

The BLM's wildlife management program activities in Kansas are limited to preparation of environmental analyses, Special Status Species (SSS) evaluations or clearances, wetland determinations and development of stipulations for impact avoidance or mitigation in the mineral development and lands initiatives.

Lease stipulations and notices, and conditions of approval (COA) of an Application for Permit to Drill (APD) deal with such issues and resources as SSS, wetland/riparian areas and migratory birds. Deaths of migratory birds in uncovered oil and gas fluids disposal pits have been documented in Kansas.

Federal minerals under private surface or Federal surface managed by another Federal agency or licensed by another Federal agency to a state or local agency for surface management purposes are the most common situations encountered in BLM's wildlife management program in Kansas. In these situations BLM's wildlife responsibilities in Kansas do not begin until a BLM mineral action is proposed.

SSS include state and Federally listed threatened and endangered plant and animal species, species proposed for listing and category 1 and 2 candidate species being reviewed by the U. S. Fish and Wildlife Service (USFWS). Agency coordination information indicates that there are currently 68 SSS in the state of Kansas. Thirty-nine of the over 400 private surface/Federal mineral (split estate) tracts analyzed potentially provide habitat for some type of SSS.

SSS and other fish, wildlife and wetland/riparian resource concerns are addressed through site specific agency coordination in Kansas.

Agency coordination is initiated with the USFWS, KDWP and the Kansas Natural Heritage Program (KSNHP) regarding each site specific BLM project in Kansas. They have each provided information included in the development of this RMP. No additional wildlife agency coordination is anticipated for oil and gas leasing until this RMP becomes outdated. However, every APD will continue to result in site specific agency coordination and application and discussion of any existing lease stipulations and notices.

The Endangered Species Act of 1973 (as amended), Executive Order 11990 (Protection and Management of Wetlands), BLM policies regarding protection of wetlands and riparian areas, and information received from the USFWS, KDWP, and the KSNHP have influenced the development and application of the stipulations and lease notices. Lease notices are advisory in function and do not mandatorily require any action.

## 3). Cultural and Paleontological Resources

A cultural resource is defined as any cultural, archeological, historical, or architectural site, building, structure, District, or object. Cultural resources with a few exceptions are always over 50 years old; and can also be burials, sacred, or ceremonial sites presently used or considered important by federally recognized Indian tribes.

The primary goal of the cultural resource program is to manage cultural resources on public and split-estate lands in a manner that both protects the cultural resources and provides for their proper use.

Protection of cultural resources is required by several Federal laws; including the National Historic Preservation Act of 1966 (NHPA) as amended, the Archeological Resources Protection Act of 1979 (ARPA), the

American Indian Religious Freedom Act of 1978 (AIRFA), and the FLPMA. All these laws provide for the protection and management of cultural resources.

These laws are implemented through Federal regulations, primarily 36 CFR 800, "Protection of Historic and Cultural Properties," which implements Section 106 of NHPA. These regulations as amended determine how the NHPA shall be followed by the Federal Agencies, the State Historic Preservation Officers (SHPOs) and the Advisory Council on Historic Preservation. Two other key regulations are 43 CFR 7, which implements ARPA; and 36 CFR 60, which sets up the National Register of Historic Places.

When cultural resources are discovered they are evaluated under the criteria of eligibility of the National Register of Historic Places (36 CFR 60.4). Any cultural resources listed or determined eligible for the National Register are protected and managed under BLM guidelines and procedures developed to comply with current laws and regulations.

Sacred tribal grounds or ceremonial sites considered important by federally recognized tribes are managed in accordance with AIRFA using 43 CFR 7. This consultation will take into account the concerns of the tribes involving sites or locations of religious significance and can result in restrictions of oil and gas development or even no surface occupancy.

A key tool used by the BLM to manage the cultural resources is a varied intensity of inventory divided into three classes: Class I - Existing inventory and literature search; Class II - Sampling field inventory (all sample units inventoried to a Class III level); and Class III - Intensive field inventory covers 100% of the area on foot. With only specifically defined exceptions in the BLM Cultural Resource Manual, the

Class III inventory is required before any surface disturbance is allowed. Only qualified professional archaeologists are allowed to perform these inventories through a permitting process controlled by the BLM State Office in Santa Fe.

Four recent overviews of Kansas archeology and cultural resources are being used as background for cultural resource evaluation: 1) Kansas Prehistoric Archaeological Preservation Plan (Brown and Simmons 1987); 2) Kansas Preservation Plan Section on Historical Archeology (Lees 1988); 3) Archeology of the High Plains (Gunnerson 1987); and 4) From Clovis to Comanche: Archeological Overview of the Southern Great Plains (Hoffman et al. 1989).

The BLM's cultural resources management program activities in Kansas are limited by the lack of BLM managed Federal surface estate. The lands identified for disposal by previous land-use-planning were inventoried for cultural resources and an Archeological Inventory Report was completed in support of the planning effort.

Cultural Resource program involvement in split-estate minerals activities in Kansas consists of development of environmental analyses reports, site specific evaluations or inventories in support of oil and gas leasing, development of stipulations for impact mitigation or impact avoidance, and consultations with State agencies. Program involvement associated with mineral leasing under other Federal surface management agencies properties is limited to coordination and consultation with the other Federal agencies and with state agencies.

At the present time no sites listed on the National Register of Historic Places are located on lands with Federal mineral estate in Kansas. A list of known archeological and/or historic sites occurring on lands with Federal

mineral estate is maintained by the ORA.

The BLM paleontological resource management program within Kansas includes the requirement that the BLM be notified should paleontological resources be encountered during the conduct of operations.

#### 4). Mineral Resources

The BLM's minerals management program within Kansas consists of leasing minerals which have an economic value or demand. Minerals occurring in commercial quantities in Kansas include oil and gas, coal, gypsum, salt, zinc, lead, chalk, pumice, commercial quality clays, helium, building stone, limestone and sand and gravel.

All Federal oil and gas leasing and lease operations in Kansas are conducted following procedures established and presented in 43 CFR 3100. Lease development activities in Kansas involve on-site inspections before APD approval, drilling plan review and lease operations inspection and enforcement.

Lease operations are regulated by lease terms, regulations, and stipulations that may be attached to the lease to protect specific resource values identified by an environmental assessment or impact statement. Prior to operations, a site specific environmental analysis of the proposed well site may result in additional considerations before approval of the drilling permit.

Geophysical operations within Kansas are not controlled or authorized by the BLM. Each SMA and surface owner negotiates and controls surface uses which includes access for geophysical exploration activities.

#### RMP ACTIONS

The RMP is a comprehensive land use plan to guide future management of lands and resources. Because only one resource issue, oil and gas leasing and development, has been addressed, the multiple-resource trade-offs which normally constitute the RMP are not applicable.

The selected RMP is the "Proposed RMP" as described in the Proposed RMP/ Final EIS as: Intensive Surface Protection.

#### Split-Estate

Under the RMP new leases and expired leases that are reissued would be leased with standard lease terms. Mandatory stipulations would be incorporated into each lease where those stipulations apply. In addition, this will include optional stipulations where resource values exist that warrant special protection.

#### SMA Lands

All new leases and expired leases that are reissued would be leased with stipulations currently identified by the SMA. Additional stipulations may be applied to these SMA lands where the BLM determines that additional stipulations may be necessary to protect resource values warranting greater protection than provided by the SMA stipulations.

#### FEDERAL OIL AND GAS LEASE STIPULATIONS

A Federal oil and gas lease is a contract between the Federal Government and an individual or corporation (lessee) which allows the lessee to extract oil and gas from the Federal mineral estate for a percentage (royalty) of the gross value. The terms of the lease are considered contractual obligations of the lessee and are standardized on all Federal oil and gas leases. The terms and conditions of an oil and gas lease provide general protection of surface and subsurface resources for normal operations and are

known as the Standard Terms and Conditions (STC). A copy of the STC of a Federal oil and gas lease are presented in Appendix 2. The Federal Government also utilizes leasing stipulations to protect unique values or important resources when it is felt that the STC are not adequate.

Proposals to lease split-estate minerals require the BLM to prepare a site specific environmental assessment and assure that necessary surface protection stipulations are attached to the lease. Procedures for leasing on other SMA minerals are similar to split estate procedures except that the SMA is contacted for consent to lease and also for identification of specific agency surface protection stipulations.

Stipulations to a lease involve additional restrictions required of the lessee for conduct of operations on a lease. Stipulations are attached to a lease at the time of lease offer, providing the potential lessee the opportunity not to bid on the lease if these restrictions are not agreeable. The Mineral Leasing Act for Acquired Lands, 30 U.S.C. 351, requires that the SMA stipulations must be included on a lease. Further, as presented in Title 43 CFR 3101.7-1 (a) "Acquired lands shall be leased only with the consent of the surface management agency, which upon receipt of a description of the lands from the authorized officer, shall report to the authorized officer that it consents to leasing with stipulations, if any, or withholds consent or objects to leasing." Additional, more restrictive stipulations can be added by the BLM. Specific BLM action in regard to SMA stipulations is mandated by 43 CFR 3101.7-2 (a) "Where the surface managing agency has consented to leasing with stipulations, and the Secretary decides to issue (a lease), the authorized officer shall incorporate the stipulations into any lease which it may issue. The authorized officer may add additional stipulations."

Exceptions to a lease stipulation, waiver of a lease stipulation or modification of a lease stipulation are explained in the Federal regulations at 43 CFR 3101.1-4. Generally, an exception, waiver, or modification may be approved if the record shows that circumstances or protected resource values have changed or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts, and that less restrictive stipulations will protect the public interest. Exceptions, waivers, and modifications can only be granted by the Authorized Officer. If the proposed exception, waiver, or modification is inconsistent with the land use plan, the plan will be amended or changed or the exception, waiver, or modification will be disallowed.

Exceptions are considered on a case by case basis and are subject to an environmental analysis. Exception to a leasing stipulation will be granted by the Authorized Officer if the reason for the exception is consistent with that analysis. No public notice is required for exceptions to lease stipulations which conform to the plan. Exceptions which do not conform to the plan may be granted only upon plan amendment and public notification.

A stipulation waiver is the complete elimination of a stipulation from a particular lease contract.

A stipulation is waived by the Authorized Officer after preparation of an environmental assessment and a decision is made that the stipulation in question is no longer required for a particular lease. The decision to waive a substantial stipulation requires a plan amendment and a 30 day public notice period prior to waiver.

Modifications to a lease stipulation are made if and when resource management determines the stipulation is no longer effective as written. This situation could occur when new information,

obtained by inventory or monitoring, etc. indicates that the protective measure is unnecessarily restrictive. Modification of a stipulation requires the preparation of an environmental assessment to determine the potential impacts and/or plan amendment or maintenance needs. If the modification is determined to be substantial by the Authorized Officer, a 30 day public notice period prior to modifying the lease stipulation is required.

Stipulations attached to a lease as a condition of consent by a SMA are not subject to exception, waiver, or modification by the BLM.

#### BUREAU OF LAND MANAGEMENT STIPULATIONS

Stipulations utilized within the Oklahoma Resource Area (ORA) include both mandatory and optional stipulations. A mandatory stipulation is one which addresses protection of a resource which the BLM is required by law, regulation or policy to protect, and which the BLM feels STC would not offer sufficient protection. Mandatory stipulations include:

##### ORA-1, Floodplain Protection Stipulation

"All or portions of the lands under this lease lie in and or adjacent to a major watercourse and are subject to periodic flooding. Surface occupancy of these areas will not be allowed without the specific approval, in writing, of the Bureau of Land Management."

This stipulation is a result of Executive Order (E.O.) 11988 Floodplain Management of May 24, 1977.

##### ORA-2, Wetland/Riparian Stipulation

"All or portions of the lands under this lease contain wetland and/or riparian areas. Surface occupancy of these areas will not be allowed without the specific approval, in writing of the Bureau of Land Management. Impacts or disturbance

to wetlands and riparian habitats which occur on this lease, must be avoided, minimized or compensated. The mitigation goal will be no net loss of in-kind wetlands. Such mitigation will be developed during the application for permit to drill process in cooperation with appropriate state and Federal agencies."

The wetland/riparian stipulation is mandated by E.O. 11990 "Protection of Wetlands" of May 24, 1977.

Optional stipulations would be applied to protect a resource value or other land use which would be potentially impacted by normal oil and gas lease operations. These stipulations are optional in the sense that they are not mandated by law or regulation. They will be used only when the value of the resource warrants protection. These optional stipulations include:

##### ORA-3, Season of Use Stipulation

"Surface occupancy of this lease will not be allowed from date, through date, without the specific approval in writing, from the Authorized Officer of the Bureau of Land Management."

This stipulation restricts the time that the lessee can be on the lease for a period of more than 60 days. Most season of use restrictions involve wildlife seasonal use requirements or recreation use conflicts with drilling activities.

##### ORA-4, No Surface Occupancy

"Surface occupancy of this lease will not be allowed."

This stipulation prohibits surface use to protect a resource or use that is not compatible with oil and gas development. The tract could be leased for inclusion in a drilling unit and may be drilled directionally from an off-site location where occupancy is allowed.

## LEASE NOTICES

A Lease Notice provides more detailed information concerning limitations that already exist in law, lease terms, regulations, or operational orders. A Lease Notice also addresses special items the lessee should consider when planning operations, but does not impose new or additional restrictions. A lease notice is not binding or enforceable, it provides the potential lessee with additional information. Lease Notices attached to leases should not be confused with NTLs--Notices to Lessees.

Lease Notices (LN) include:  
LN-1: Special Status Species

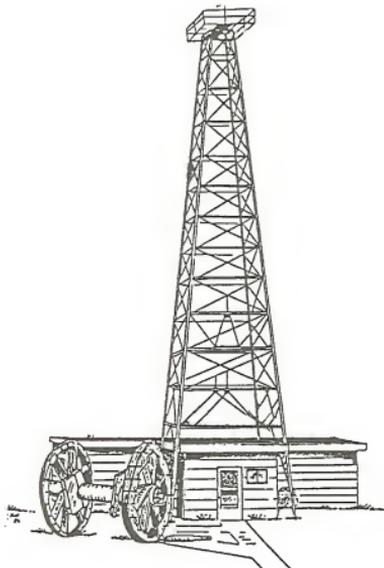
According to preliminary information all or portions of the lease area could contain Federal and/or state-listed threatened or endangered species and/or other special status species and/or habitats utilized by these groups of species. Any proposed surface disturbing activity may require an inventory and consultation with the U. S. Fish and Wildlife Service, the state wildlife agency and/or the BLM. The consultation could take up to 180 days to complete. Surface occupancy could be restricted or not allowed as a result of the consultation. Appropriate modifications to the imposed restrictions will be made for the maintenance and operations of producing oil and gas wells.

### LN-2, Black-footed Ferrets In Kansas

"If black-footed ferrets occur anywhere in the wild in Kansas, they are presumed to be associated with prairie dogs. All or portions of this lease area lie within a county of Kansas where prairie dog towns have occurred in the past. Therefore, if a prairie dog town of eighty acres or more is found to occur on or near this lease, a black-footed ferret survey may be required before permitting surface disturbing activity which may impact the prairie dog town."

LN-2 will be applied to leases issued in the counties which last reported the presence of prairie dog towns. These counties are:

Barber, Barton, Cheyenne, Clark, Clay, Comanche, Decatur, Edwards, Ellis, Ellsworth, Finney, Ford, Gove, Graham, Grant, Gray, Greeley, Hamilton, Harper, Harvey, Haskell, Hodgeman, Jewell, Kearny, Kingman, Kiowa, Lane, Lincoln, Logan, McPherson, Meade, Mitchell, Morton, Ness, Norton, Osborne, Ottawa, Pawnee, Phillips, Pratt, Rawlins, Reno, Rice, Rooks, Rush, Russell, Saline, Scott, Seward, Sheridan, Sherman, Smith, Stafford, Stanton, Stevens, Sumner, Thomas, Trego, Wallace, and Wichita.



### CONDITIONS OF APPROVAL

Additional BLM requirements to protect a resource or value that does not affect the lessee's rights or restrict location on the lease can be imposed as a condition of approval of the APD.

One such condition utilized to protect migratory birds is as follows:

"All open pits and tanks being used in conjunction with the development of this lease will be netted or otherwise covered no later than four days after final drilling depth is achieved and until such time as they are removed and/or filled and reclaimed. The recommended coverings include hard covers or a screen material of small enough mesh size so as to prevent the entry and the death of migratory birds. The U. S. Fish and Wildlife Service, Division of Law Enforcement has prepared materials which provide more detailed guidelines for covering oil field pits and tanks."

Note: The granting of four working days for completion of covering or netting pits and/or tanks in no way limits your responsibility should migratory birds be discovered dead in tanks or pits within the four day period or during the actual drilling phase.

A summary of how stipulations are applied is presented in Table 1.

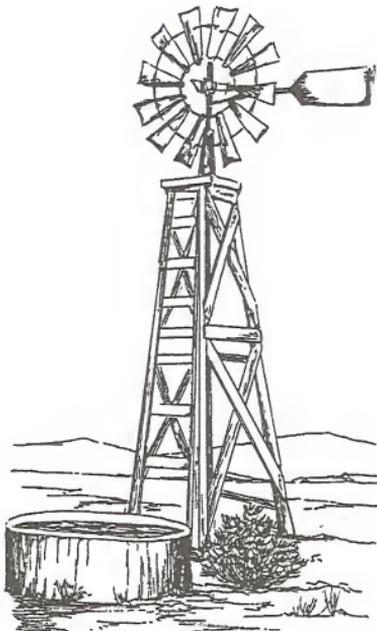


TABLE 1

## ACRES OF FEDERAL MINERALS OPEN FOR OIL &amp; GAS LEASING BY STIPULATION.

SMA PROJECT	AREA ACRES	NSO ND	NSO DD	NSO ELEV.	ORA-1 FL/PLN	ORA-2 WET	ORA-3 TIME	ORA-4 NSO	LN-1 T/E	LN2 B/F
Clinton	22,000	600	17,125	17,125						
Hillsdale	13,103	1,200	2,921	7,500						
Kanopolis	21,166	1,396	3,400	13,958						
Melvern	24,000	950	5,820	13,950						
Milford	37,000	1,190	8,500	33,000						
Perry	42,000	1,300	7,000	30,600						
Pomona	10,501	600	1,460	8,500						
Tuttle Creek	33,634	900	4,700	33,000						
Wilson	21,796	700	4,200	12,000						
Total KC COE	<u>225,200</u>	<u>9,236</u>	<u>52,926</u>	<u>169,733</u>						
Council Grove	5,980	1,300	2,042	2,636				2,636		
El Dorado	16,326	1,200	9,428	5,700					5,700	
Elk City	18,469	1,200	7,050	10,219				10,219		
Fall River	15,147	700	3,040	11,407					11,407	
John Redmond	11,297	1,070	2,400	6,467					2,067	
Marion	12,249	400	2,020	9,829					3,002	
Pearson-Skubitz	2,547	200	510	1,637					600	
Toronto	6,623	300	1,350	6,973					5,576	
Kaw/Hula/Capon	7,500	-0-	-0-	-0-					7,500	
Total TD COE	<u>98,140</u>	<u>6,370</u>	<u>27,840</u>	<u>57,070</u>					<u>48,809</u>	
Cedar Bluff	15,125	15,125	-0-	-0-						
Cheney	16,949	16,949	-0-	-0-						
Glen Elder	27,909	27,909	-0-	-0-						
Lovewell	9,261	8,576	-0-	-0-						
Ketch Sebelius	7,649	7,649	-0-	-0-						
Webster	6,903	6,903	-0-	-0-						
Total BOR	<u>83,897</u>	<u>81,311</u>	<u>-0-</u>	<u>-0-</u>						
Fort Riley	69,973	-0-	66,173	-0-	1,600					
Sunflower Army Ammunition Plant	10,000	-0-	-0-	-0-						
Smoky Hill Bombing Range	33,673	-0-	7,171	-0-						
McConnell										
Air Force Base	2,554	2,554	-0-	-0-						
Total Military	<u>116,400</u>	<u>2,554</u>	<u>75,344</u>	<u>-0-</u>	<u>1,600</u>					
Split Estate	<u>72,410</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>3,850</u>	<u>15,147</u>	<u>320</u>	<u>1,212</u>	<u>5,285</u>	<u>66,000</u>
Total	<u>596,147</u>	<u>99,471</u>	<u>176,327</u>	<u>209,678</u>	<u>5,650</u>	<u>15,147</u>	<u>320</u>	<u>1,212</u>	<u>5,285</u>	<u>66,000</u>

## LEGEND

SMA= Surface Management Agency.

NSO= No Surface Occupancy.

NSO ND= No Surface Occupancy and No Drilling, leased for pooling purposes only.

NSO DD= No Surface Occupancy, Directional Drilling into the minerals would be allowed.

NSO ELEV.= No Surface Occupancy based on project specific elevation.

ORA= Oklahoma Resource Area

### SURFACE MANAGEMENT AGENCY STIPULATIONS

Federal mineral resources under SMA lands within Kansas are subject to each SMA's specific leasing stipulations. Copies of the SMAs' oil and gas leasing stipulations are contained in Appendix 2. Generally, these SMA stipulations can be divided into three categories; no surface occupancy (NSO) with no directional drilling allowed (NSO/ND); NSO with directional drilling (NSO/DD), and NSO described by elevation or surface use if suitable non-agency lands are included in the same drilling unit (NSO/ELEV). The SMAs normally base lease stipulations to the surface land use or allocation at the particular site or installation.

#### NSO/ND, No Surface Occupancy and No Drilling

This stipulation, common to the COE and the BOR, is designed to protect facilities such as dams, embankments and other areas from damage by oil and gas operations. This stipulation prohibits surface occupancy and directional drilling by the lessee under restricted areas. This stipulation allows the identified area to be included in a lease for the purpose of becoming a part of a drilling unit so that the United States will share in the royalty.

#### NSO/DD No Surface Occupancy, Open for Directional Drilling

This stipulation is used by SMAs to protect surface resource values and uses from drilling activities. This stipulation is applied to public use areas, recreation areas, state wildlife and waterfowl refuges, historical sites, trails, roads and military training areas. Directional drilling is permitted from outside the identified areas where occupancy is allowed.

#### NSO/ELEV. No Surface Occupancy based on Elevation

This stipulation is used by the COE in combination with, "No drilling on Government owned surface where alternative surface ownership is available within the same drilling unit" to protect the integrity of their reservoirs at a specific level based upon lake elevation. Normally, this stipulation is subject to negotiation between the SMA and the lessee at the time of operational plan development.

### PLAN APPLICATION

All Federal minerals within the planning area have been evaluated using the previously described criteria and management guidance. The following description is presented by specific location and includes a short description of how the RMP guidance applies to each location. The SMA lands are grouped according to agency jurisdiction, the split-estate lands are grouped by county.

Federal minerals closed to leasing within Kansas are listed in Table 2.

TABLE 2  
FEDERAL MINERAL ESTATE CLOSED TO OIL AND GAS LEASING IN ACRES AS OF 1991

<u>PROJECT/AREA</u>	<u>SMA</u>	<u>ACRES</u>
Flint Hills NWR	USFWS	18,500
Kirwin NWR	USFWS	10,778
Quivira NWR	USFWS	21,800
Fort Scott NHL	USNPS	16
Fort Larned NHL	USNPS	718
Ft. Leavenworth	USA	5,226
Ft. Riley	USA	30,700
Kansas Army		
Ammo Plant	USA	<u>13,727</u>
<u>TOTAL</u>		<u>101,465</u>

Reasons for a SMA to withhold consent to lease vary from agency to agency however, 43 CFR 3100.0-3 specifically identifies U.S. Wildlife Refuges,

National Park Lands, and areas within city limits as excluded from leasing. The fact that all acquired Federal lands in Kansas were obtained for a purpose other than mineral leasing, and that mineral leasing and development may not be compatible with the reason for acquisition, is sufficient to withhold consent. Additionally, it should be pointed out that while these areas are closed to leasing, if federal mineral estate is being drained by adjacent oil and gas activities, the Federal mineral estate being drained will be leased for inclusion in a unit for royalty purposes.

#### SPECIFIC SITE DESCRIPTIONS

The following descriptions of the various SMA projects are general and brief. A series of corresponding maps of each SMA project follows each SMA section.

#### BOR Projects

Oil and gas leasing stipulations for the following reservoir sites are contained in the BOR GP-135 Special Stipulations document which is contained in Appendix 2. The GP-135 stipulations provide for protection of BOR projects by use of buffer zones which prohibit occupancy and/or drilling for a specific distance. Maximum project protection is provided by the use of NSO/ND to within 1,000 feet under the Maximum Water Surface (MWS) by elevation as defined in Standing Operating Procedures of BOR, or to within 2,000 feet under dam embankments and appurtenance structures, outlet works, spillways, etc., or to within one-half mile (2,640 feet) of the centerline of any tunnel. Should the maximum project protection stipulation be waived by the BOR, additional restrictions protect recreational developments, wildlife habitats, project facilities and water supplies by creating a NSO/DD buffer ranging from 200 to 500 feet around these areas.

Stipulations protecting special wildlife habitats or significant surface resources have been identified by project site. The overlapping buffer zones identified for each surface resource results in stipulation acreage greater than the projects total.

In all cases, GP-135 requires a site specific surface use plan approved by the BOR Regional Director prior to any lease development. Whenever a conflict occurs concerning the applicability of a BOR stipulation, the more restrictive stipulation will apply.

<u>Glen Elder Dam/ Waconda Lake</u>	
Project acres	27,909
Land allocations	
Recreation	1,391
Wildlife Mgt.	12,499
Operations	1,417
Water/ surface area	12,602

#### Description

The Glen Elder Dam and reservoir is located in the Solomon River Valley in Osborne, Mitchell, Cloud, and Ottawa Counties in north-central Kansas. The project consists of Glen Elder Dam and its reservoir, Waconda Lake, and protective dikes and appurtenant structures. The dam is a multi-purpose structure on the river approximately 6.5 miles below the confluence of the north and south forks of the Solomon River in Mitchell County immediately above the town of Glen Elder. Waconda Lake parallels U.S. Highway No. 24 and the Missouri Pacific Railroad from Glen Elder to Downs, Kansas.

Glen Elder/Waconda provides municipal and industrial water for Beloit, Kansas, on the Solomon River about 12 miles downstream, and three rural water districts, together with recreation, fish and wildlife conservation and water quality benefits.

#### SMA Lease Stipulations

No surface occupancy and/or no drilling will be allowed on 1,417 acres within the operations area or on 12,602 acres of water surface area. As mineral leases are requested, GP-135 stipulations will be applied on a case-by-case basis on the remaining acres to determine surface occupancy.

Should BOR project lands at Glen Elder Dam/Wacanda lake be leased, stipulations as described above would apply.

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#### Norton/Keith Sebelius Lake

Project acres	7,849
Land allocations	
Recreation	1,578
Wildlife Mgt.	3,475
Operations	471
Withdrawn	144
Water/Surface Area	2,181

#### Description

Norton Dam/Keith Sebelius Lake is located along the valley of the Prairie Dog Creek in north-central Kansas. The project consists of Norton Dam and the associated reservoir, Keith Sebelius Lake, the Almena Diversion Dam, Almena Main and South Canals, and a system of laterals and drains. In addition to storing water for irrigation, the project provides water for use in the city of Norton, protects the valley downstream from floods, and offers opportunities for recreation and for conservation and development of fish and wildlife resources.

The Kansas Department of Wildlife and Parks (KDWP) administers the reservoir water surface and wildlife lands above the dam, and the recreation areas. The KDWP also assumes responsibility for the administration of the water surface and wildlife lands above Almena Diversion Dam.

The city of Norton receives its water supply from Norton Reservoir. In 1963,

the state of Kansas approved a water right granting the city of Norton a storage limit in Norton Reservoir of 1,600 acre-feet and maximum releases from storage of 1,600 acre-feet per year.

The water surface of Norton Reservoir and the adjoining project land provides excellent opportunities for outdoor recreation and fish and wildlife activities.

The KDWP has established a state park on the Prairie Dog Creek arm of the reservoir. There are excellent facilities, including paved roads, boat launching ramps, picnicking, camping, swimming, fishing, day use activities, and modern water and sanitation facilities. The KDWP administers 5,656 acres for fish and wildlife. A game management and public hunting area has been established.

#### SMA Lease Stipulations

No surface occupancy and/or no drilling will be allowed on 471 acres within the operations area or on 2,181 acres of water surface area. As mineral leases are requested, GP-135 stipulations will be applied on a case-by-case basis on the remaining acres to determine surface occupancy.

Should BOR project lands at Norton/Keith Sebelius lake be leased, stipulations as described above would apply.

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#### Lovewell Reservoir

Project acres	6,576
Land allocations	
Recreation	1,126
Wildlife Mgt.	2,029
Operations	435
Water/Surface Area	2,986

#### Description

Lovewell Dam is on the White Rock Creek 3 miles northwest of Lovewell, Kansas. The reservoir stores water from White

Rock Creek and diversions from the Republican River by way of the Courtland Canal. Lovewell Reservoir provides excellent facilities for outdoor recreation and fish and wildlife activities. Thousands of persons visit the facilities each year. Principal recreational activities include camping, fishing, swimming, boating, and water skiing.

#### SMA Lease Stipulations

No surface occupancy and/or no drilling will be allowed on 435 acres within the operations area or on 2,986 acres of water surface area. As mineral leases are requested, GP-135 stipulations will be applied on a case-by-case basis on the remaining acres to determine surface occupancy.

Should BOR project lands at Lovewell Reservoir be leased, stipulations as described above would apply.

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#### Cheney Reservoir

Project acres	16,949
Land allocations	
Recreation	1,913
Wildlife Mgt.	5,249
Operations	250
Water/Surface Area	9,537

#### Description

Cheney Dam and lake is located on the North Fork of the Ninnescah River about 6 miles north of Cheney and 24 miles west of Wichita, Kansas. The site is at the common intersection of the boundaries of Kingman, Reno, and Sedgwick Counties, with portions of the dam lying in all three.

Cheney Reservoir provides a supplemental water supply to the city of Wichita, flood control for protection of downstream areas, and recreation and fish and wildlife benefits.

The construction of Cheney Dam has provided this otherwise arid region of

Kansas with a variety of recreational uses and fish and wildlife benefits. Cheney State Park at Cheney Reservoir provides most species of sport fish common to Kansas. White bass and walleye are the favorites of anglers, and there is good fishing for crappie, channel catfish, striped bass, and largemouth bass. There are excellent camping, boating, swimming and picnicking facilities.

The KDWP administers the recreation areas at Cheney Reservoir, including some 1,900 acres of land and over 5,400 acres of water. The KDWP also administers over 5,200 acres of land and 4,100 acres of water for conservation and management of migratory birds and other fish and wildlife resources.

#### SMA Lease Stipulations

No surface occupancy and/or no drilling will be allowed on approximately 16,949 acres. There are also no surface occupancy stipulations to protect portions of the Cheney Reservoir wildlife area and bald eagle roosting and feeding areas. Special stipulations (seasonal, height, and distance) for wildlife habitat, recreation, and facilities protection also apply to some project lands. In addition to the GP-135 stipulations, Cheney Reservoir is also subject to Oil and Gas, Bureau of Reclamation General Stipulations for Cheney Dam and Reservoir, Wichita Project Kansas January 1985. A copy of these stipulations can be obtained from:

Project Manager  
Oklahoma Project Office  
Bureau of Reclamation  
420 West Main Street, Suite 630  
Oklahoma City, Oklahoma 73102

Should BOR project lands at Cheney Reservoir be leased, stipulations as described above would apply.

<u>Webster Reservoir</u>	
Project acres	6,903
Land allocations	
Recreation	880
Wildlife Mgt.	1,853
Operations	431
Water/Surface Area	3,739

#### Description

Webster Dam and Reservoir is located between Woodston and Osborne, Kansas, on the north side of the South Fork of the Solomon River. Webster Dam, 8 miles west of the city of Stockton, is the principal feature of the project. The project provides flood control for areas downstream of the dam, irrigation water to 8,500 irrigable acres of the Webster Irrigation District No. 4, fish and wildlife conservation and enhancement, and recreation opportunities.

The KDWP are involved in the management of recreation and fish and wildlife interests at the reservoir and diversion dam, surface waters, and adjacent lands set aside for those purposes.

Recreation opportunities at Webster Dam and Reservoir, Woodston Diversion Dam, and surrounding areas set aside for that purpose consist of picnicking, camping, swimming, boating, fishing, and other related activities. Normal operation of the Webster Reservoir provides a stable or slightly rising water level which is ideal for spawning fish.

#### SMA Lease Stipulations

No surface occupancy and/or no drilling will be allowed on 431 acres within the operations area or on 3,739 acres of water surface area. As mineral leases are requested, GP-135 stipulations will be applied on a case-by-case basis on the remaining acres to determine surface occupancy.

Should BOR project lands at Webster Reservoir be leased, stipulations as described above would apply.

<u>Cedar Bluff Reservoir</u>	
Project acres	15,125
Land allocations	
Recreation	1,640
Wildlife Mgt.	5,800
Operations	496
Research Area	320
Water/Surface Area	6,869

#### Description

The Cedar Bluff project is on the north side of Smoky Hill River, 18 miles southwest of Ellis, Kansas. It consists of an earthfill dam and reservoir, a water delivery system to serve the lands of Cedar Bluff Irrigation District No. 6, and municipal and industrial water service to Russell, Kansas. The project also protects the downstream valley from floods.

Operation of the recreation areas and administration of the water surface and wildlife lands is by the KDWP. Operation and maintenance of all irrigation facilities is by the Cedar Bluff Irrigation District No. 6.

Excellent hunting, fishing, boating, water skiing, swimming, picnicking, and camping attract many visitors to the reservoir each year. Facilities include campgrounds, picnic areas, and boat-launching ramps.

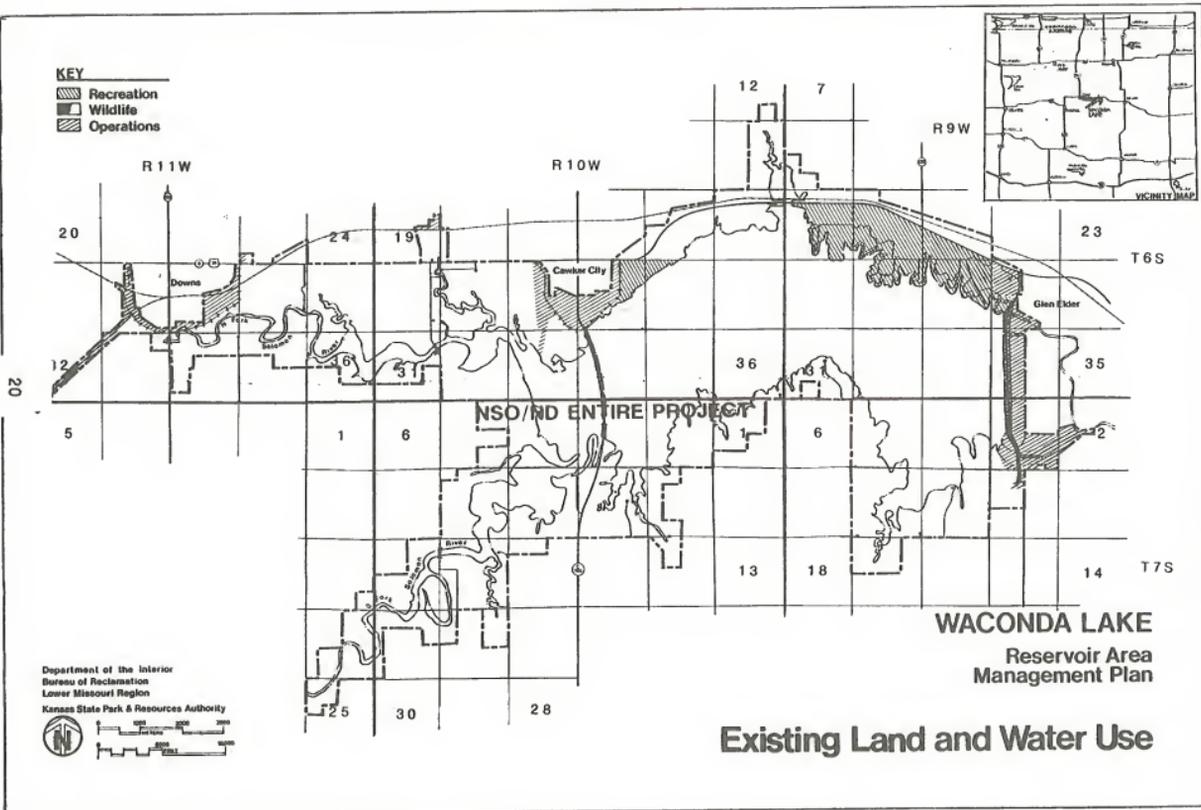
#### SMA Lease Stipulations

No surface occupancy and/or no drilling will be allowed on 496 acres within the operations area or on 6,869 acres of water surface area. As mineral leases are requested, GP-135 stipulations will be applied on a case-by-case basis on the remaining acres to determine surface occupancy.

Should BOR project lands at Cedar Bluff Reservoir be leased, stipulations as described above would apply.

**KEY**

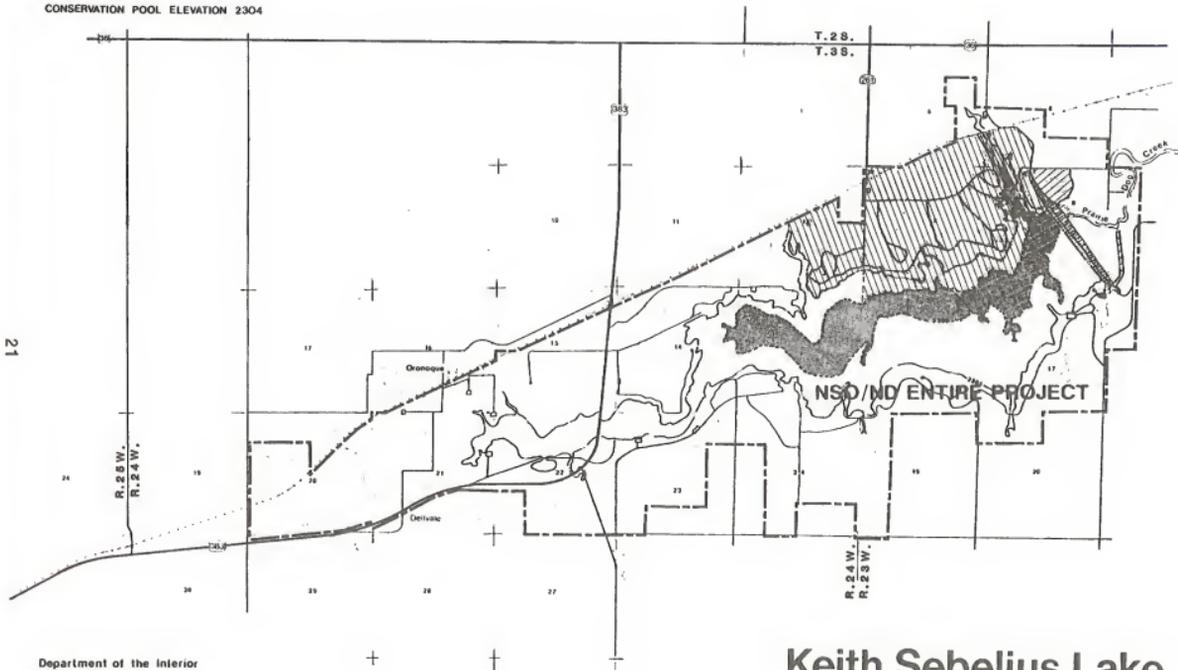
-  Recreation
-  Wildlife
-  Operations



**KEY**

-  Operations
-  Recreation
-  Wildlife

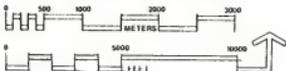
CONSERVATION POOL ELEVATION 2304



21

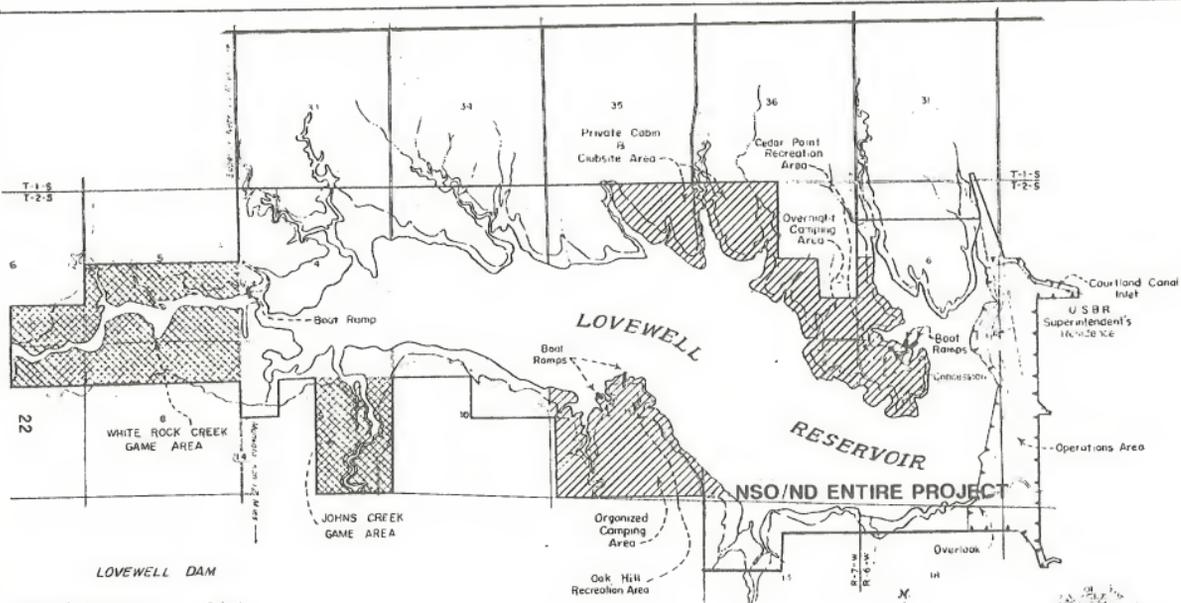
Department of the Interior  
Bureau of Reclamation  
Lower Missouri Region

Kansas State Park and Resources Authority



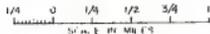
# Keith Sebelius Lake Reservoir Area Management Plan

## Proposed Land and Water Use



**LOVELL DAM**

Height of dam above river 86 feet  
 Crest length of dam 5,500 feet  
 Flood storage 11,700 acre feet  
 Impoundment storage 41,000 acre feet  
 Length of reservoir 6 miles  
 Length of shoreline surface area of reservoir 1,500 miles  
 Top of irrigation pool



BUREAU OF RECLAMATION  
 DEPARTMENT OF THE INTERIOR

R.6W.

R.5W.

LEGEND

Recreation Area (Water) 

Wildlife Management (Land) 

Recreation Area (Land) 

Wildlife Management (Water) 

T.25S.

T.26S.

36

32

33

1

6

4

3

12

7

10

11

12

R.4W.

18

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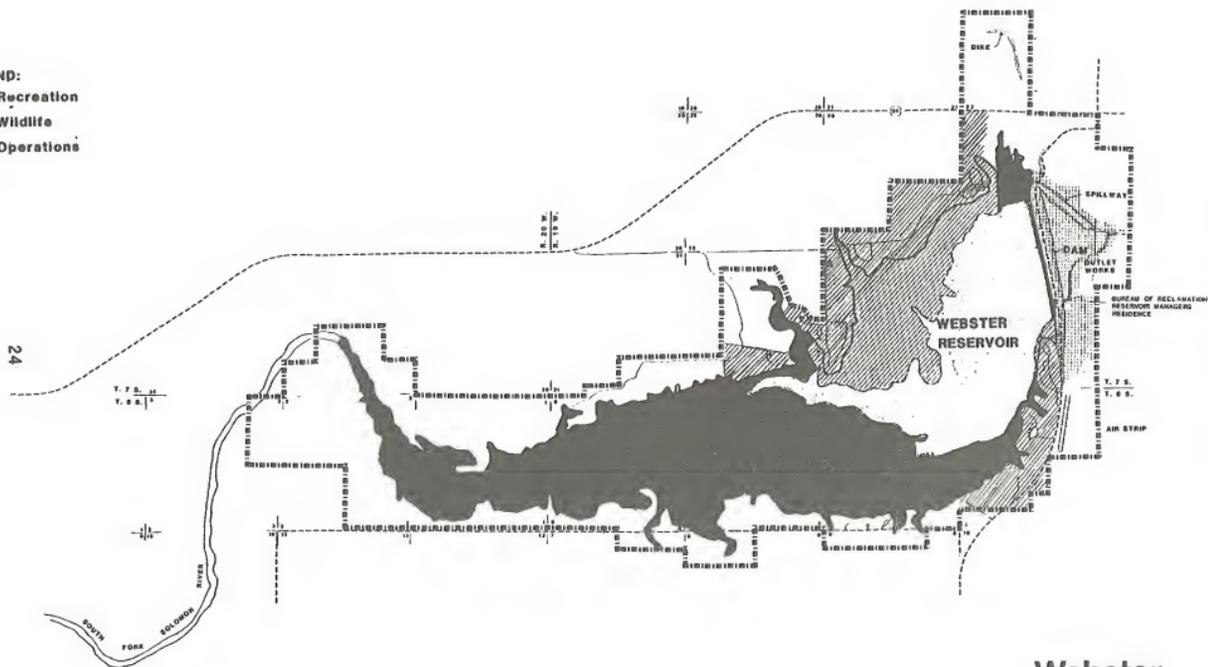


0 1 Mi.

CHENEY RESERVOIR

**LEGEND:**

-  Recreation
-  Wildlife
-  Operations



Department of the Interior  
Bureau of Reclamation  
Lower Missouri Region  
Kansas State Park and Resources Authority



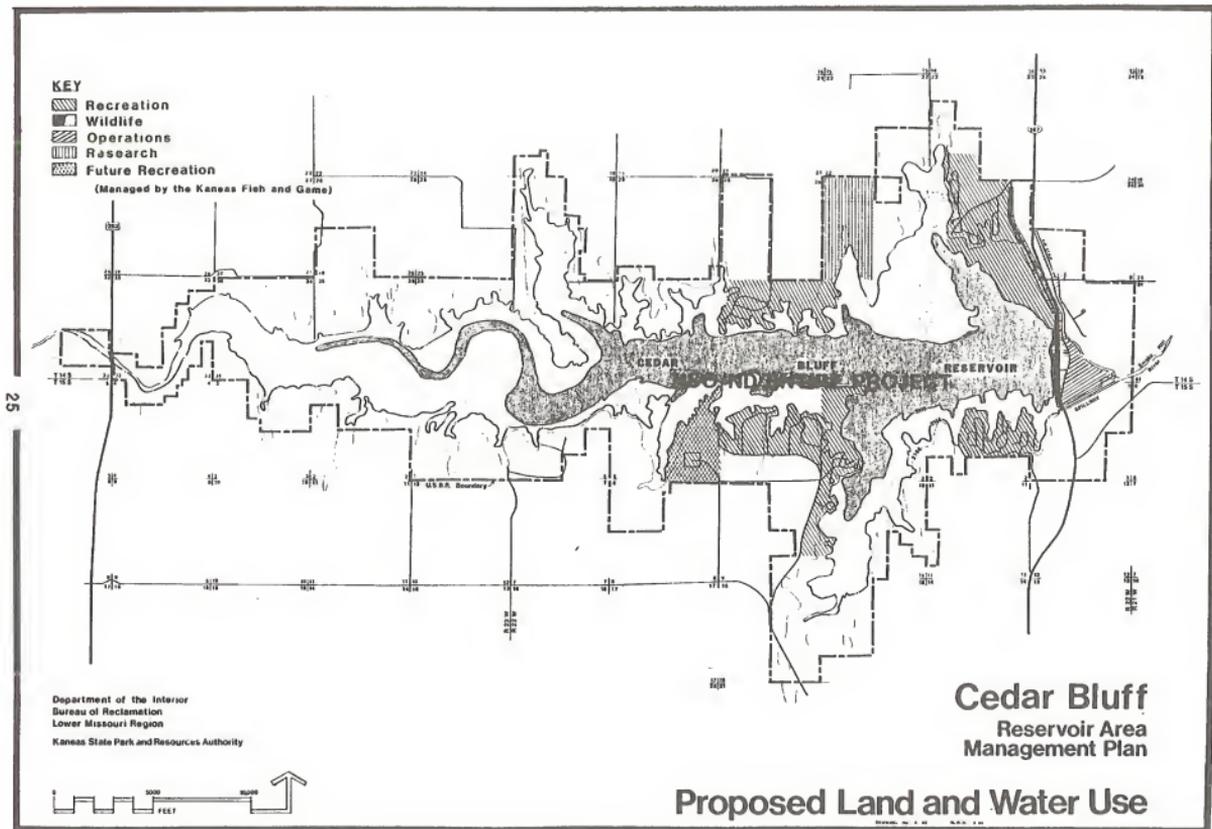
**Webster  
Reservoir Area  
Management Plan**

**Proposed Land and Water Use**

**KEY**

-  Recreation
-  Wildlife
-  Operations
-  Research
-  Future Recreation

(Managed by the Kansas Fish and Game)



Department of the Interior  
Bureau of Reclamation  
Lower Missouri Region  
Kansas State Park and Resources Authority

## Cedar Bluff Reservoir Area Management Plan

### Proposed Land and Water Use

Scale: 1:50,000

## COE Projects, Tulsa District

Oil and gas leasing stipulations for the Tulsa District COE projects are contained within the Districts Special Stipulations 1-A, a copy of which is contained in Appendix 2. These 1-A stipulations provide for the protection of surface resources through the use of surface occupancy restrictions, drilling restrictions or consultation requirements with authorized surface lessees (KDWP). Generally, 1-A requires NSO or directional drilling within 2,000 feet under restricted areas. Restricted areas include the major structures such as the dam, spillways, embankments, etc. All existing or proposed public use areas, recreation areas, wildlife and waterfowl refuges, historical sites, and hiking or horseback trails are designated NSO. The 1-A stipulations are standardized and apply to all Tulsa District projects.

### Council Grove Lake

Project acres	5,980
Land allocations	
Operations	600
Recreation	2,742
Wildlife Mgt,	2,638

### Description

Council Grove Lake is located on the Grand (Neosho) River about 1.5 miles northwest of the town of Council Grove in Morris County. In addition to flood control, Council Grove Lake is used for water quality control, recreation, and water supply.

At Council Grove Lake, 2,638 acres of land and water are licensed to the KDWP for game management and public hunting. Wildlife management practices conducted by the COE include the construction and placement of wood duck boxes, wildlife food plots, tree and shrub plantings for wildlife cover, and livestock control to improve the habitat.

### SMA Lease Stipulations

NSO/ND on approximately 1,300 acres associated with restricted areas. NSO/DD on approximately 2,042 acres associated with recreation areas. NSO/ELEV on approximately 2,638 acres of wildlife management lands and conservation pool where alternative surface ownership is available within the same drilling unit.

Should COE project lands at Council Grove Lake be leased for oil and gas, Tulsa District COE 1-A stipulations as described above would apply.

In addition, ORA-3 Seasonal Surface Use Restrictions would apply from Sept. 01, through March 31, on approximately 2,638 acres of wildlife management lands subject to drilling if not included within a drilling unit.

### El Dorado Lake

Project acres	16,328
Land allocations	
Operations	600
Recreation	9,968
Wildlife Mgt.	5,760

### Description

El Dorado dam and reservoir, is located on the Walnut River about 4 miles northeast of the town of El Dorado in Butler County.

Conservation storage at El Dorado Lake provides a dependable yield of 22.2 million gallons per day (mgd) for water supply. Four recreational-use areas, totaling about 2,900 acres, have been developed above the dam. About 700 acres below the dam were developed to provide access to the stream for fishing and other recreational purposes. Other areas will be developed on the east and west sides of the lake.

### SMA Lease Stipulations

NSO/ND on approximately 1,200 acres associated with operational restrictions. NSO/DD on approximately 9,428 acres of recreational areas.

NSO/ELEV on the approximately 5,700 acres of wildlife management lands or within the conservation pool where alternate surface ownership is available for drilling within a particular drilling unit.

Should COE project lands at El Dorado Lake be leased for oil and gas, Tulsa District COE 1-A stipulations as described above would apply. In addition, ORA-3, Season of Use Restrictions from Sept. 01, through March 31, to protect seasonal wildlife use and recreation (hunting) on approximately 5,700 acres.

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#### Elk City Lake

Project acres	18,469
Land allocations	
Operations	300
Recreation	5,550
Waterfowl Refuge (KDWP)	1,500
Wildlife Mgt.	11,119

#### Description

Elk City Lake is located on the Elk River, a tributary of the Verdigris River in Montgomery County. The dam is approximately 7 miles east of Elk City and 7 miles northwest of Independence. In addition to flood control, Elk City Lake is operated for water supply and water quality control. The conservation storage provides a dependable yield of 10.0 mgd for water supply and 7.4 mgd for water quality control. The lake currently has a surface area of 4,450 acres at the top of the conservation pool. In cooperation with Kansas state agencies to further enhance the wildlife habitat, a lake level manipulation plan has been implemented at Elk City Lake. The lake is raised or lowered seasonally to make conditions more conducive to fish and wildlife management.

The KDWP has a license to approximately 12,240 acres of project area for game management and public hunting. An additional 2,180 acres of project land

managed by the COE are open to the public for hunting.

The KDWP also manages Squaw Creek Cove State Park at the project.

#### SMA Lease Stipulations

NSO/ND on approximately 1,200 acres associated with the Dam, spillway, and canals. NSO/DD on approximately 7,050 acres associated with recreation, refuges, and other designations. NSO on approximately 10,219 acres of wildlife management lands or the conservation pool where alternate lands within a drilling unit are available.

Should COE project lands at Elk City Lake be leased for oil and gas, Tulsa District COE 1-A stipulations as described above would apply. In addition, ORA-3 Season of Use restrictions on the 10,219 acres of wildlife management lands would apply from Sept. 01, through March 31, to protect wintering waterfowl and hunting use.

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#### Fall River Lake

Project acres	15,147
Land allocations	
Operations	200
Recreation	2,400
Waterfowl refuge (KDWP)	640
Wildlife Mgt. (KDWP)	8,712
Wildlife Mgt. (COE)	3,195

#### Description

Fall River Lake is located in Greenwood County on Fall River, a tributary of the Verdigris River. The lake is about 4 miles northwest of the town of Fall River and approximately 17 miles southeast of Eureka. The lake is about a mile wide at the damsite and stretches 15 miles up Fall River. The towns of Fredonia, Neodesha, Independence, and Coffeyville receive flood protection benefits from the project. Regulated releases of water during dry seasons provide a dependable supply of water to

a number of municipalities, industries, and farmers who obtain their water directly from Fall River. These supplementary flows are also beneficial in the abatement of pollution.

At Fall River Lake, four public-use areas are managed by the COE and three are managed by the KDWP. Cabins, clubs and cottages have been developed by private interests.

All project lands are open to the public for hunting except for developed park areas, state parks, and land in the vicinity of the dam and other project structures. Approximately 9,352 acres of project land, made available to the Kansas Fish Game Commission for use as a wildlife management area, are also open to the public for hunting.

#### SMA Lease Stipulations

NSO/ND on approximately 700 acres associated with restricted project facilities and a 2,000 foot buffer. NSO/DD on approximately 3,040 acres of recreation areas and waterfowl refuges. NSO/ELEV on approximately 11,407 acres of wildlife management lands or the conservation pool where alternative surface ownership is available within the same drilling unit.

Should COE project lands at Fall River Lake be leased for oil and gas, Tulsa District COE 1-A stipulations as described above would apply. In addition, ORA-3 Season of Use Restrictions would apply from Sept. 01, through March 31, on the 11,407 acres of wildlife management lands to protect wintering wildlife and hunting use for those areas not included within alternate drilling unit areas.

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#### John Redmond Dam and Reservoir

Project acres	29,797
Land allocations	
Operations	430
Recreation (Land & Water)	8,800
Waterfowl Refuge (USFWS)	18,500
Wildlife Mgt.	2,067

#### Description

The John Redmond Dam and Reservoir is a unit in a system designed for flood control and low flow regulation of the Grand (Neosho) River Basin. In addition to flood control, the reservoir provides water supply storage, water quality control, and recreation. The water supply storage in the conservation pool can provide a dependable yield of 24.5 mgd.

The KDWP and the COE are cooperating in improving the fishery at John Redmond by stocking Striped Bass and other species of game fish. A 13.5 acre forage pond is located below the dam. The KDWP has a license to 1,637 acres of project land for wildlife management. The licensed area is known as the Otter Creek Game Management Area.

The U.S. Fish and Wildlife Service, under a cooperative agreement with the Corps of Engineers, operates the approximately 18,500 acre Flint Hills National Wildlife Refuge at this reservoir. The refuge is managed as part of the national migratory waterfowl program and much of it is open for seasonal public hunting. In addition, approximately 3,000 acres of COE managed lands are open to the public for hunting.

#### SMA Lease Stipulations

NSO/ND on approximately 1,070 acres associated with operational structures and other restricted areas as well as a 2,000 foot buffer. NSO/DD on approximately 2,400 acres of recreation areas. NSO/ELEV on 8,467 acres of wildlife management and conservation

pool lands where alternative surface ownership is available within the same drilling unit. The approximately 18,500 acres of the Flint Hills National Wildlife Refuge is closed to leasing.

Should COE project lands at John Redmond Lake be leased for oil and gas, Tulsa District COE 1-A stipulations as described above would apply. In addition, ORA-3 Season of Use Restrictions would apply from Sept. 01 through March 31, on the approximately 2,067 acres of wildlife management lands subject to drilling if not included in a drilling unit with alternative surface ownership.

<u>Marion Lake</u>	
Project acres	12,249
Land allocations	
Operations	160
Recreation (Land & Water)	8,587
Waterfowl refuge (KDWP)	520
Wildlife Mgt. (KDWP)	3,002

#### Description

Marion Lake is located on the Cottonwood River, a tributary of the Grand (Neosho) River, about 3 miles northwest of the city of Marion and about 46 miles northeast of Wichita. The project was authorized for flood control, water supply, and other conservation uses by the Flood Control Act of 1950. Conservation storage at Marion Lake provides a dependable yield of 3.0 mgd for water supply.

At Marion Lake, 3,522 acres of project land and water in the upper reaches have been leased to the KDWP for wildlife management and public hunting. This area includes a 520-acre waterfowl refuge installed by KDWP in 1968. The project land not under lease is managed by the COE for fish and wildlife purposes.

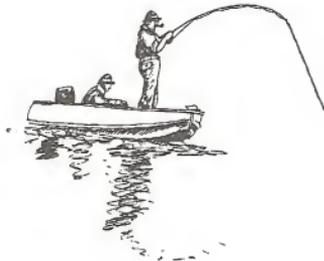
The COE is creating suitable wildlife habitats through various vegetative

management techniques such as food plot plantings, controlled burning, tree and shrub planting, and through improvement of shoreline habitat. The primary objectives of the resource management is to preserve and improve wildlife habitat and to attract small game species and waterfowl into areas used by hunters and into areas where they may be observed by the public.

#### SMA Lease Stipulations

NSO/ND on approximately 400 acres associated with the dam, spillway, dikes and other operational facilities with a 2,000 foot buffer. NSO/DD on approximately 2,020 acres of recreational and waterfowl refuge lands. NSO/ELEV on the approximately 9,829 acres of wildlife management lands and conservation pool where alternative surface ownership is available within the same drilling unit.

Should COE project lands at Marion Lake be leased for oil and gas, Tulsa District COE 1-A stipulations as described above would apply. In addition, ORA-3 Seasonal Surface Use Restrictions would apply from Sept. 01, through March 31, on approximately 3,002 acres of wildlife management lands subject to drilling if not included in a drilling unit with alternative surface ownership.



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**Pearson-Skubitz Big Hill Lake**

Project acres	2,547
Land allocation	
Operations	80
Recreation (Land & Water)	1,250
Wildlife Mgt. (Land & Water)	1,217

**Description**

Pearson-Skubitz Big Hill Lake is located on Big Hill Creek, 4.5 miles east of Cherryvale in Labette County, the project was authorized by the Flood Control Act of 1962 to provide flood control, municipal and industrial water supply, and recreation. The conservation pool provides a water supply yield of 8.5 mgd.

**SMA Lease Stipulations**

NSO/ND on about 200 acres associated with the restricted operations area as well as a 2,000 foot buffer. NSO/DD on approximately 510 acres of recreation areas. NSO/ELEV on approximately 1,837 acres of wildlife management land and conservation pool where alternative surface ownership is available within the same drilling unit.

Should COE project lands at Big Hill Lake be leased for oil and gas, Tulsa District COE 1-A stipulations as described above would apply. In addition, ORA-3 Season of Use Restrictions would apply from Sept. 01, through March 31, on the approximately 800 acres of wildlife management lands subject to drilling if not included in a drilling unit with alternative surface ownership.



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**Toronto Lake**

Project acres	8,623
Land allocations	
Operations	200
Recreation (Land & Water)	2,747
Waterfowl Refuge (KDWP)	100
Wildlife Mgt. (KDWP & COE)	5,576

**Description**

Toronto Lake is located on the Verdigris River about 4 miles southeast of the town of Toronto, in the Flint Hills Region of Woodson and Greenwood Counties. Toronto Lake was authorized for flood control and conservation by the Flood Control Act of 1941.

Toronto Lake contributes toward the protection of the flood plains of the Arkansas and Mississippi Rivers downstream from the Verdigris River. Low flow releases during dry periods and other major benefits are also provided by the project. Conservation storage at Toronto Lake provides a dependable yield of 0.1 mgd for water supply.

Duck Island and the upper half of the reservoir, totaling some 4,366 acres of land and water have been licensed to the KDWP. These areas, and an additional 1,310 acres of project land, are managed primarily for public hunting.

**SMA Lease Stipulations**

NSO/ND on approximately 300 acres of operations facilities as well as a 2,000 foot buffer. NSO/DD on approximately 1,350 acres associated with recreation areas and the Duck Island Waterfowl Refuge. NSO/ELEV on approximately 6,973 acres of wildlife management lands and the conservation pool where alternative surface ownership is available within the same drilling unit.

Should COE project lands at Toronto Lake be leased for oil and gas, Tulsa District COE 1-A stipulations as described above would apply. In addition, ORA-3 Seasonal Surface Use

Restrictions would apply from Sept. 01, through March 31, on approximately 5,576 acres of wildlife management lands subject to drilling if not included in a drilling unit with alternative surface ownership.

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Kaw, Hulah, and Capon Lakes

Project acres 7,500

Land allocations

The portions of these Oklahoma reservoirs located within Kansas are entirely allocated for wildlife management purposes.

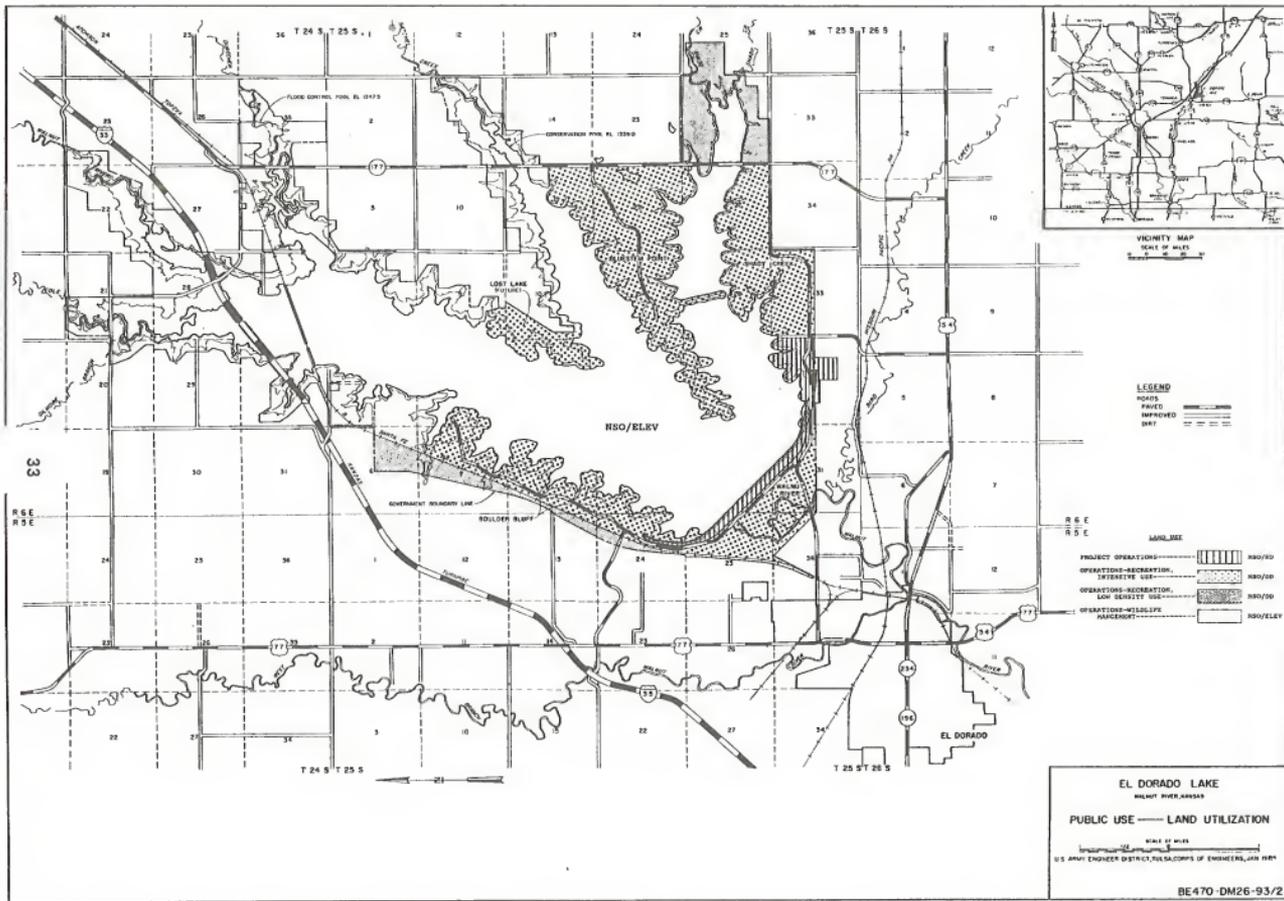
SMA Lease Stipulations

NSO/ELEV on all wildlife management lands where alternative surface ownership is available within the same drilling unit.

Should COE project lands within Kansas located at these Lakes be leased for oil and gas, Tulsa District COE 1-A stipulations as described above would apply. In addition, ORA-3 Season of Use Restrictions would apply from Sept. 01, through March 31, on all wildlife management lands subject to drilling if not included in a drilling unit with alternative surface ownership.



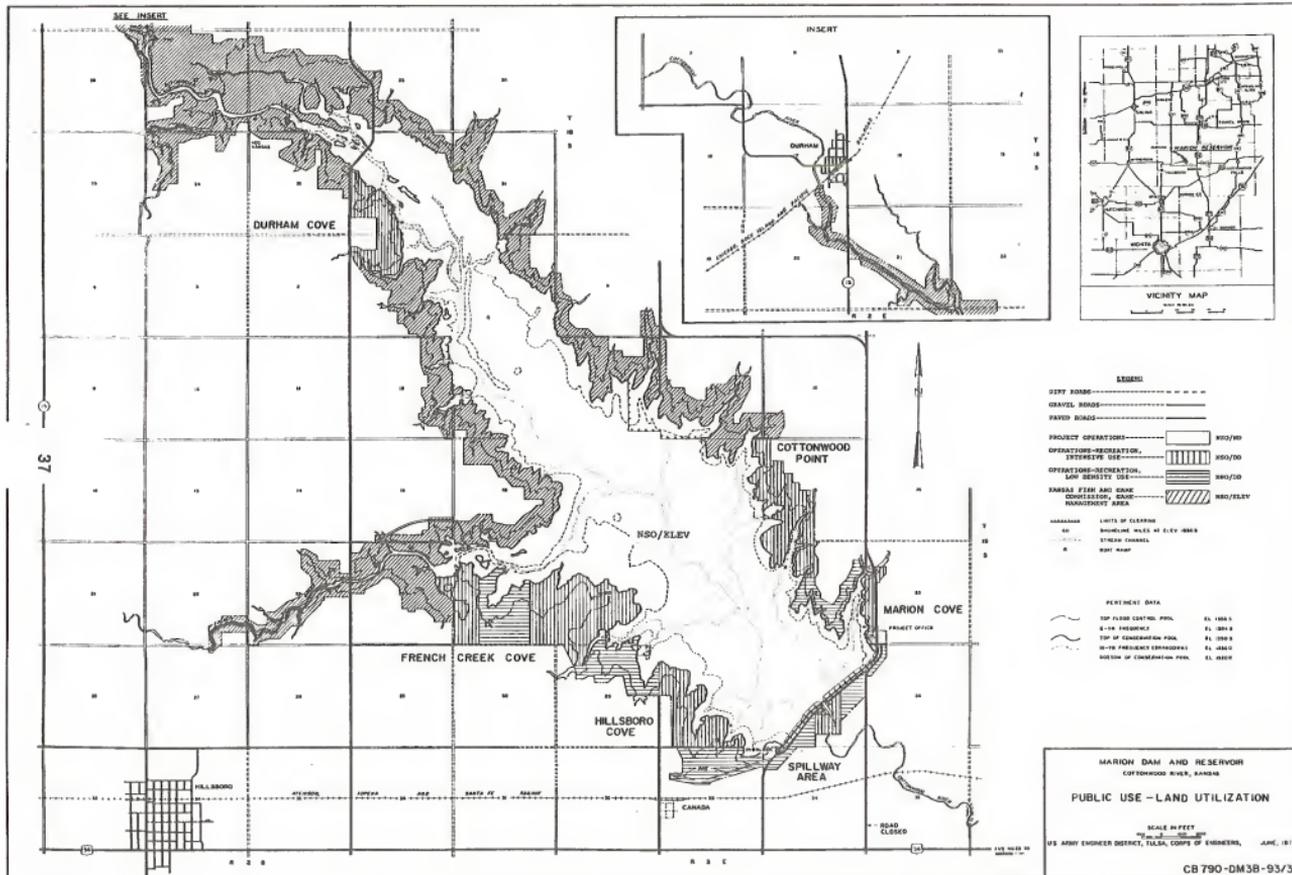


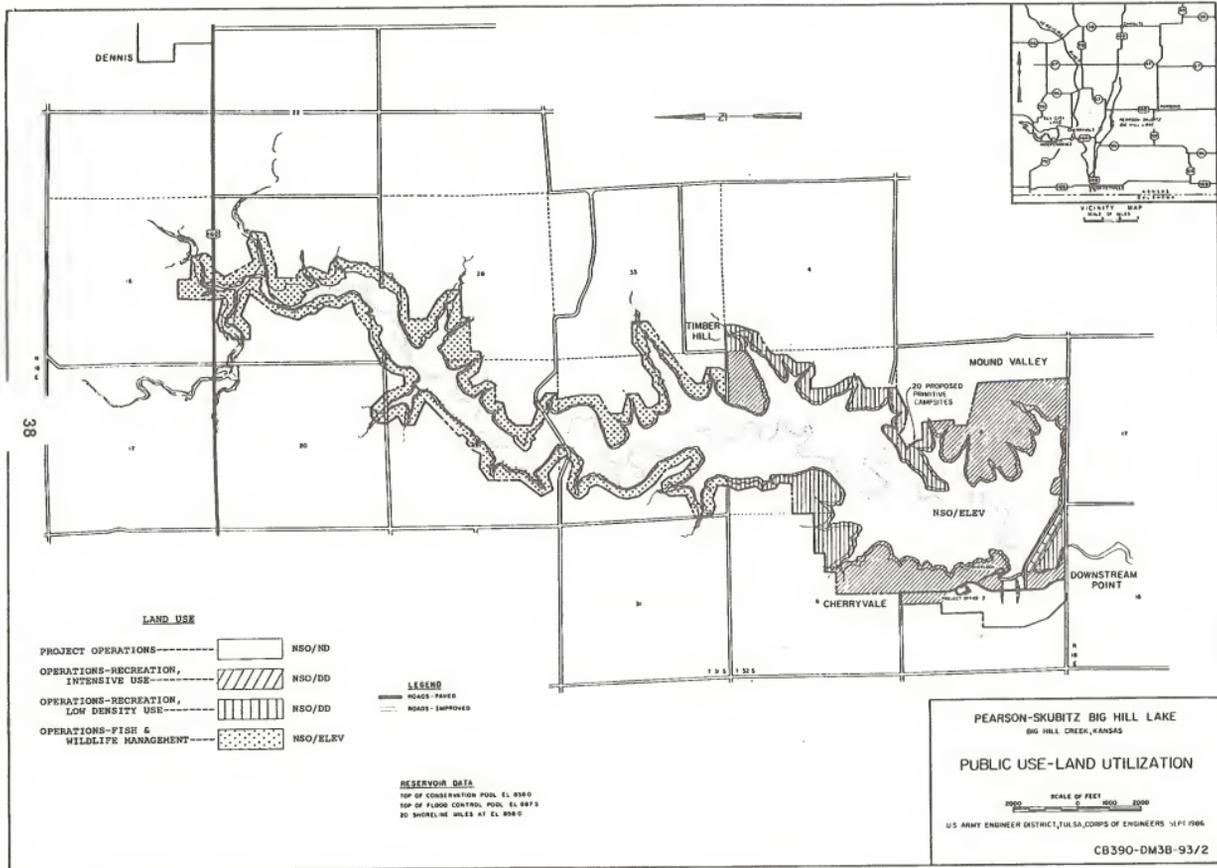












DENNIS

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**LAND USE**

- PROJECT OPERATIONS----- NSO/ND
- OPERATIONS-RECREATION,  
INTENSIVE USE----- NSO/DD
- OPERATIONS-RECREATION,  
LOW DENSITY USE----- NSO/DD
- OPERATIONS-FISH &  
WILDLIFE MANAGEMENT----- NSO/ELEV

**LEGEND**

- ROADS-FADED
- ROADS-IMPROVED

**RESERVOIR DATA**

TOP OF CONSERVATION POOL, EL. 898.0  
 TOP OF FLOOD CONTROL POOL, EL. 887.3  
 80 SHORELINE MILES AT EL. 898.0

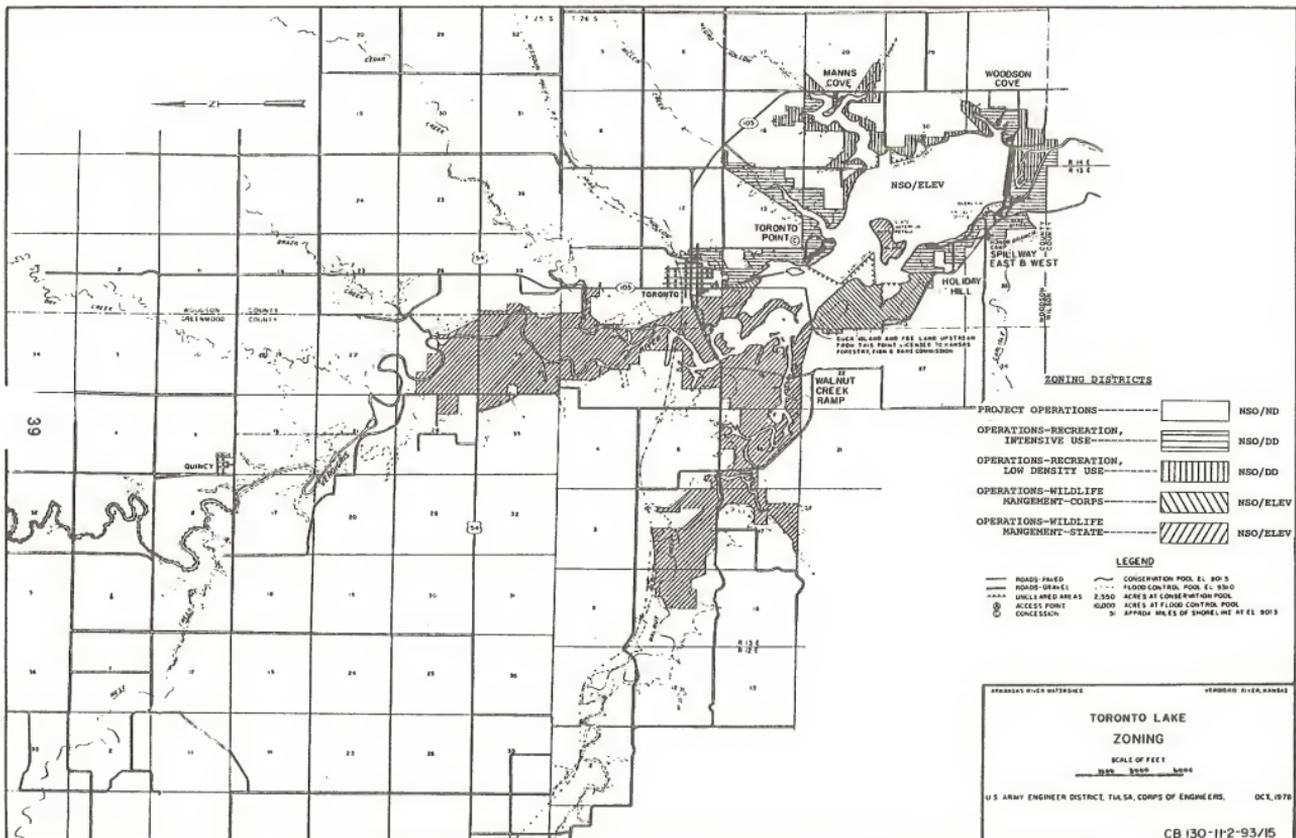
PEARSON-SKUBITZ BIG HILL LAKE  
 BIG HILL CREEK, KANSAS

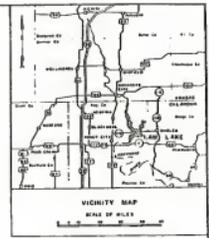
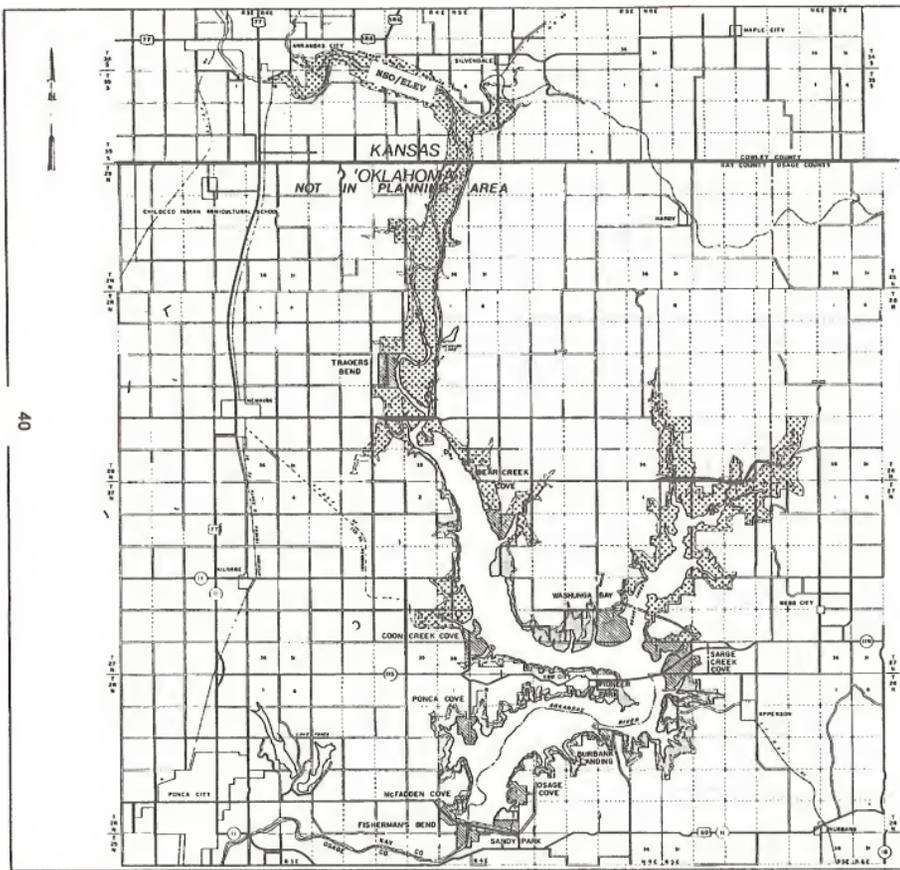
**PUBLIC USE-LAND UTILIZATION**

SCALE OF FEET  
 0 500 1000

U.S. ARMY ENGINEER DISTRICT, JULIA S. CORP'S OF ENGINEERS 11/15/55

CB390-DM3B-93/2





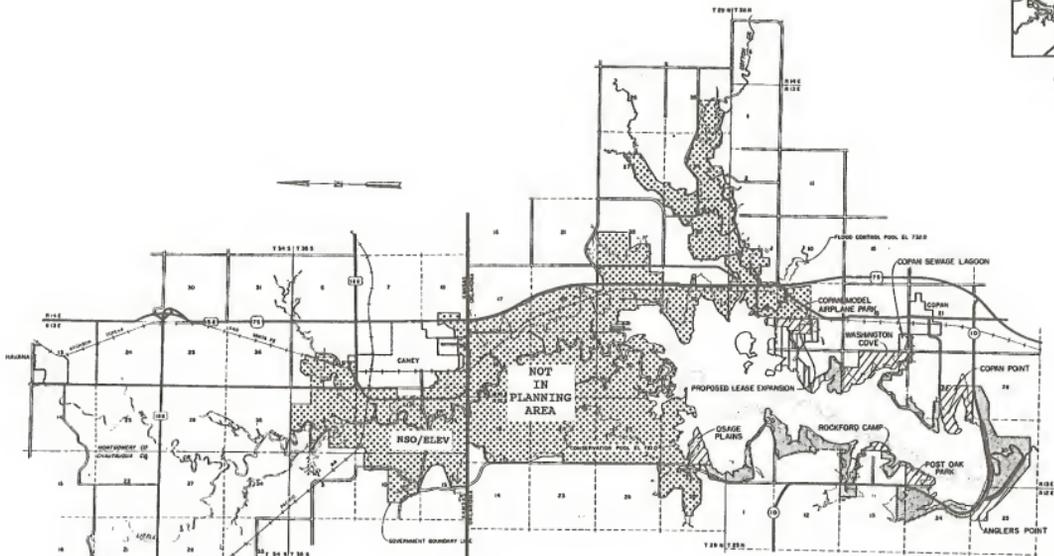
-  PROJECT OPERATION
-  RECREATION - INTENSIVE USE
-  RECREATION - LOW DENSITY
-  WILDLIFE MANAGEMENT (KANSAS & OKLAHOMA)

- LEGEND**
-  TOP OBSERVATION POIN. EL. 900.0
  -  TOP 1:500 CONTROL POIN. EL. 904.3
  -  SHOWING HILES AT EL. 900.0
  -  PROPOSED PUBLIC USE AREAS
  -  GOVERNMENT PROPERTY LINE
  -  PAVED ROAD
  -  DRIVEWAY ROAD
  -  RE CREWERY ROAD
  -  CONCRESSION SITE

**KAW LAKE  
LAND  
MANAGEMENT  
TYPES**

DEPARTMENT OF THE ARMY  
Tulsa District Corps of Engineers  
Tulsa, Oklahoma





LEGEND

ROADS  
PAVED  
IMPROVED  
DIRT

LAND USE

PROJECT OPERATIONS  
RECREATION-INTENSIVE USE  
RECREATION-LOW DENSITY  
WILDLIFE MANAGEMENT  
NATURAL AREA

LITTLE CANEY RIVER, KANSAS & OHLA, ARIZONA

COPAN LAKE

PUBLIC USE — LAND UTILIZATION

SCALE OF FEET  
0 100 200 300 400 500  
U.S. ARMY ENGINEER DISTRICT, JULSA, CORPS OF ENGINEERS, NOV. 1984

1990-DM38-93/2

## COE Projects, Kansas City District

Oil and gas leasing stipulations for the Kansas City District COE projects are contained within the Districts Special Stipulations. A copy is contained in Appendix 2. These stipulations provide for the protection of surface resources through the use of surface occupancy restrictions, drilling restrictions or consultation requirements with authorized surface lessees (KDWP). Generally Kansas City District requires NSO or directional drilling within 2,000 feet under restricted areas. Restricted areas include the major structures such as the dam, spillways, embankments, etc. A NSO restriction applies to all areas below the lakes flood elevation level and to existing or proposed public use areas, recreation areas, wildlife and waterfowl refuges, unique ecological areas, historical sites, and hiking or horseback trails. The special stipulations are standardized and apply to all Kansas City District projects. Additionally, the Kansas City COE uses a wildlife habitat protection stipulation (Appendix 2) that essentially provides a Season of Use Restriction and a surface avoidance restriction on all identified wildlife lands.

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### Clinton Lake

Project acres	22,000
Land allocations	
Operations	450
Recreation	12,550
Wildlife Mgt.	9,000

### Description

Clinton Lake is located about 4 miles southwest of the city of Lawrence on the Wakarusa River near the rivers confluence with Rock Creek in Douglas County.

A total of approximately 4,325 acres within the project area have been dedicated to parks and recreation.

Over 9,000 acres of project land licensed to the KDWP as a wildlife management area are open to the public for hunting. Game species such as mourning dove, quail, squirrel, rabbit, deer, raccoon, and opossum are plentiful around the lake. Waterfowl, such as Canada and snow geese, mallards, and teal, are numerous on the lake late in the year. A stocking program conducted by the KDWP has enhanced the populations of several fish species. Crappie, northern pike, walleye, largemouth and smallmouth bass, striped bass, bluegill, and channel catfish are abundant.

Archeological sites investigated in the Clinton Lake area indicate that prehistoric Indian activity in the region began as early as 8000 BC with transient hunting groups. Later (0-1000 AD) residents lived in seasonal hunting and gathering camps, adding to their food supply by gardening. More intensive farming was practiced by groups living in the Clinton Lake area from 1000 to 1500 AD. The Kansas Indians inhabited northeastern Kansas at the time of initial European contact by the French traders and remained in control of the area until 1824 when they sold portions of the land to the U.S. Government. From 1824 to 1854, the Wakarusa River basin was used as a reservation for Shawnee Indians relocated from Ohio and Missouri. The area was opened for settlement in 1854. The historic Oregon Trail passed through the unincorporated community of Kanwaka about one mile north of the project.

Lawrence, the largest city in the immediate vicinity of Clinton Lake, was founded in 1854 by abolitionists. Lawrence was a major factional headquarters in the slave-state versus free-state conflict which raged through eastern Kansas for 5 years.

### SMA Lease Stipulations

NSO/ND on about 800 acres of restricted operations facilities and a buffer of

2,000 feet. NSO/DD on approximately 17,125 acres of recreational areas and within the area below the water surface at flood level, elevation 908.4 feet.

Should Clinton Lake project lands be leased, stipulations as described above would apply.

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<u>Hillsdale Lake</u>	
Project acres	13,103
Land allocations	
Operations	500
Recreation	6,860
Wildlife Mgt.	5,743

#### Description

Hillsdale Lake is located on Big Bull Creek, a tributary of the Marais des Cygnes (Osage) River, about 40 miles southwest of Kansas City. The lake is mostly within Miami County, a small portion of project lands lie within Johnson County.

In addition to providing water supply and flood protection, Hillsdale Lake is intended to improve downstream water quality, and provide recreation and fish and wildlife benefits. The three-year stage filling of the lake insured an excellent aquatic environment for fish growth. Much of the timber was left in the lake to provide fish habitat. Game fish include walleye, catfish, largemouth bass, crappie and bluegill.

#### SMA Lease Stipulations

NSO/ND on approximately 1,200 acres of operations area with a 2,000 foot buffer. NSO/DD on approximately 7,500 acres below the water surface at flood level, elevation 936 feet, and on approximately 2,921 acres of recreation or park lands.

Should Hillsdale Lake project lands be leased, stipulations as described above would apply.

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#### Kanopolis Lake

Project acres	21,166
Land allocation	
Operations	440
Recreation	6,725
Wildlife Mgt.	14,000

#### Description

Kanopolis Lake is located about 30 miles southwest of the city of Salina on the Smoky Hill River, in Ellsworth County.

The development of Kanopolis Lake as a pilot project for the Kansas park system became a reality on October 1958 when the Federal Government granted a 50-year lease to the Kansas State Park and Resources Authority (now KDWP), for use of a 780-acre tract along the east shore of the lake. Additions have brought the total acreage under lease to the KDWP to 1,585 acres. The COE manages 280 acres of parks at Kanopolis.

The Indian Hill site at Kanopolis Lake is a bluff of Indian petroglyph carvings which is listed in the National Register of Historic Places. The drawings are carved in a Dakota sandstone formation. This site can be found at Inscription Rock on the north shore of the lake in Horse Thief Canyon and is easily reached by boat. The petroglyphs are not presently in danger of flooding; however, if irrigation water is stored in the lake, there may be erosion problems at the base of the bluff.

Land management practices such as prescribed burning, tree planting, establishing food plots and timber stand improvement are performed to protect and maintain wildlife habitat. One of COE's most important wildlife management tools is the agricultural leasing program. Tracts of public land are leased to farmers who incorporate specific wildlife management practices in their farming. Public access is available to all these lands, but vehicles are restricted to existing roads.

Wildlife management acreage is located at the upper end of the project along the Smoky Hill River. Pheasant, quail, prairie chicken, rabbit, whitetail and mule deer are the most abundant game. Many species of duck and geese frequent the lake during the fall and spring migrations. Coyotes, fox, squirrels, mink, muskrat, beaver, raccoon, and opossum are also common.

#### SMA Lease Stipulations

NSO/ND on approximately 1,396 acres associated with the dam, spillway and other structures and a 2,000 foot buffer. NSO/DD on approximately 13,958 acres below the water surface level at elevation 1,508 feet, as well as on the approximately 3,400 acres of park and recreation lands.

Should Kanopolis Lake project lands be leased, stipulations as described above would apply.

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#### Melvern Lake

Project acres	24,000
Land allocations	
Operations	325
Recreation	13,675
Waterfowl Refuge	1,300
Wildlife Mgt. (KDWP)	8,700

#### Description

Melvorn Lake is on the upper Marais des Cygnes River. The major portion of the lake is within Osage County, and the dam is 4 miles west of the community of Melvern. The entire Melvern Lake area lies on the eastern edge of the Bluestem (Flint Hills) region of Kansas. This region is characterized by gently rolling hills covered with tall native grasses. Native woodlands occur in the bottomlands along tributaries of the Marais des Cygnes.

In addition to flood control, the lake provides multipurpose storage to supplement flows downstream for water supply and water quality control.

Five of the projects six intensively developed recreation areas are operated by the COE and one is operated by KDWP.

Wildlife is abundant throughout the project area. The lake and surrounding lands provide food and shelter for thousands of geese and ducks during fall and spring migrations. Other wildlife species include prairie chicken, bobwhites, mourning doves, cottontails, whitetail deer, squirrels, and many non-game species.

Almost 10,000 acres of land in the upper reaches of the lake are licensed to the KDWP for wildlife management. A portion of this area is designated a wildlife refuge and is closed to hunting during certain times of the year.

For centuries, the Marais des Cygnes River Valley has attracted numerous species of fur-bearing animals and waterfowl. The river valley was a popular hunting and fishing ground for many Indian tribes, including the Kansa, Osage, Sac and Fox. When early French trappers found the river teeming with waterfowl, they appropriately named it Marais des Cygnes, meaning "Marsh of the Swans."

During America's westward expansion, the Santa Fe Trail ran just north of the project. Undoubtedly, the wildlife of the Marais des Cygnes valley provided valuable food for the wagon trains.

Coal mining became an important influence on the local economy in the 1800's. The mining industry peaked about 1892 with the main consumer being the Santa Fe Railroad. When more economical coal supplies were found near Pittsburg, Kansas, mining in the Melvern area steadily declined until its demise around the turn of the century.

### SMA Lease Stipulations

NSO/ND on approximately 950 acres associated with the dam, spillway and other administrative or operational structures and a 2,000 foot buffer. NSO/DD on approximately 13,950 acres below elevation 1,057 feet, as well as on the approximately 5,620 acres of parks and recreation lands and approximately 1,300 acres of the waterfowl refuge.

Should Melvern Lake project lands be leased, stipulations as described above would apply.

### Milford Lake

Project acres	44,229
Land allocations	
Operations	230
Recreation (land & water)	25,477
Waterfowl Refuge (KDWP)	1,073
Wildlife Mgt. (KDWP)	17,120
Natural Areas	92
Reserve Forest Land	237

### Description

Milford Lake is located on the Republican River about 10 miles above the confluence of the Republican and Smoky Hill Rivers which form the Kansas River, near Junction City. The lake is mainly in Geary and Clay Counties with small arms extending into Dickinson and Riley Counties.

Milford Lake helps control water in the main stem of the Kansas River. Control runoff from the lower section of the Republican River Valley is required for protection of urban centers and agricultural lands along the Kansas and lower Missouri Rivers. The effect of upstream lakes was considered in determining the height of levees for local flood protection projects on the Kansas and Marais des Cygnes Rivers. The storage space in Milford Lake returns economic benefits in flood control, water supply, and recreation, including fish and wildlife recreation.

The storage for water supply in under contract to the State of Kansas. Under the terms of the contract, the State will repay the cost of the storage and a share of the project operation and maintenance costs. A small portion of this storage is being used for water supply. The remainder may be used to supplement low stream flow until it is needed for water supply.

Milford Lake provides recreation opportunities for approximately one and one half million visitors yearly. The nine recreational facilities or parks are operated by both COE and KDWP.

The KDWP is responsible for management and control of three important recreation activities: hunting, fishing, and boating. Over 16,700 acres of project lands are licensed to KDWP as a game management area and waterfowl refuge.

### SMA Lease Stipulations

NSO/ND on approximately 1,190 acres associated with the dam, spillway and other operational structures and a 2,000 foot buffer. NSO/DD on approximately 33,000 acres below elevation 1,176 feet, as well as approximately 6,500 acres of recreation, park and waterfowl refuge lands also designated NSO/DD most of which overlap with the former.

Should Milford Lake project lands be leased, stipulations as described above would apply.



<u>Perry Lake</u>	
Project acres	42,000
Lands allocations	
Operations	400
Recreation (Land & Water)	30,600
Wildlife Mgt. (KDWP)	11,000

#### Description

Perry Lake is located on the Delaware River three miles northwest of the town of Perry in Jefferson County. Perry provides recreational opportunities close to population centers in Kansas and Missouri. Ten developed recreation areas are located on the lake and are operated by both COE and KDWP. The two parks operated by KDWP are a part of the States park system. The 14-mile long Perry lake trail located on the east shore is an official portion of the National Trails System and is maintained by COE.

The KDWP operates an 11,000 acre wildlife management area in the upper reaches of the lake on both sides of the Delaware River.

With environmental objectives in mind, the COE manages a forestation and vegetation program at Perry Lake. The program has resulted in the successful establishment, improvement and maintenance of a system to enhance public recreation and multiple use benefits. Trees were left standing in lake waters formed by the Delaware River and the Slough Creek, Rock Creek and Evans Creek arms of the lake to provide a natural habitat for fish. Environmental education classes from two local school districts utilize approximately 190 acres and a portion of the Slough Creek area has been designated as a National Environmental Study Area (NESA). The NESA program is an interagency cooperative effort between Federal agencies to provide areas and materials to local schools and special interest groups for environmental education purposes.

#### SMA Lease Stipulations

NSO/ND on about 1,300 acres associated with operational restrictions. NSO/DD on approximately 25,000 acres below elevation 922 feet, as well as on approximately 7,000 acres of recreation and park lands.

Should Perry Lake project lands be leased, stipulations as described above would apply.

<u>Pomona Lake</u>	
Project acres	10,501
Lands allocations	
Operations	370
Recreation	6,200
Wildlife Mgt,	3,931

#### Description

Pomona Lake is located in east-central Osage County about seven miles northwest of the town of Pomona. The lake is formed by the dam on 110-Mile Creek below its junction with Dragoon Creek and above its confluence with the Marais des Cygnes River.

The primary purpose of the lake is for flood control and the storage of water. The lake provides storage for flow supplementation, downstream water supply, quality control, recreational opportunities, and wildlife habitat. Nine recreation areas are located on the lake, one of which is a state park operated by the KDWP.

#### SMA Lease Stipulations

NSO/ND on approximately 800 acres associated with operational structures and the required 2,000 foot buffer. NSO/DD on approximately 8,600 acres below elevation 1,003 feet, as well as on the approximately 1,460 acres of recreation and park lands.

Should Pomona Lake project lands be leased, stipulations as described above would apply.

<u>Tuttle Creek Lake</u>	
Project acres	33,634
Land allocations	
Operations	640
Recreation	20,394
Natural Area	600
Wildlife Mgt.	12,000

#### Description

Tuttle Creek Lake is located on the Big Blue River six miles north of the city of Manhattan in Riley, Pottawatomie and Marshall Counties.

The lake was constructed as a flood control project but also provides streamflow augmentation for the Kansas, Missouri, and Mississippi rivers during periods of drought as well as recreational and wildlife habitat benefits. The lake offers a large expanse of inland water with an irregular wooded shoreline as an outdoor recreational attraction. Nine areas around the lake have been developed as recreation areas or parks and are managed by COE or the KDWP. A 12,000 acre wildlife management area is administered by the KDWP on the upper end of the lake.

#### SMA Lease Stipulations

NSO/ND on approximately 900 acres associated with restricted operational areas and a 2,000 foot buffer. NSO/DD on about 33,000 acres or all project lands below elevation 1,140 feet, as well as on approximately 4,700 acres of recreation and park lands.

Should Tuttle Creek Lake project lands be leased, stipulations as described above would apply.

<u>Wilson Lake</u>	
Project acres	21,796
Land allocations	
Operations	475
Recreation (Land & Water)	12,229
Wildlife Mgt	9,091

#### Description

Wilson Lake is located on the Saline River 10 miles north of the town of Wilson in Russell County.

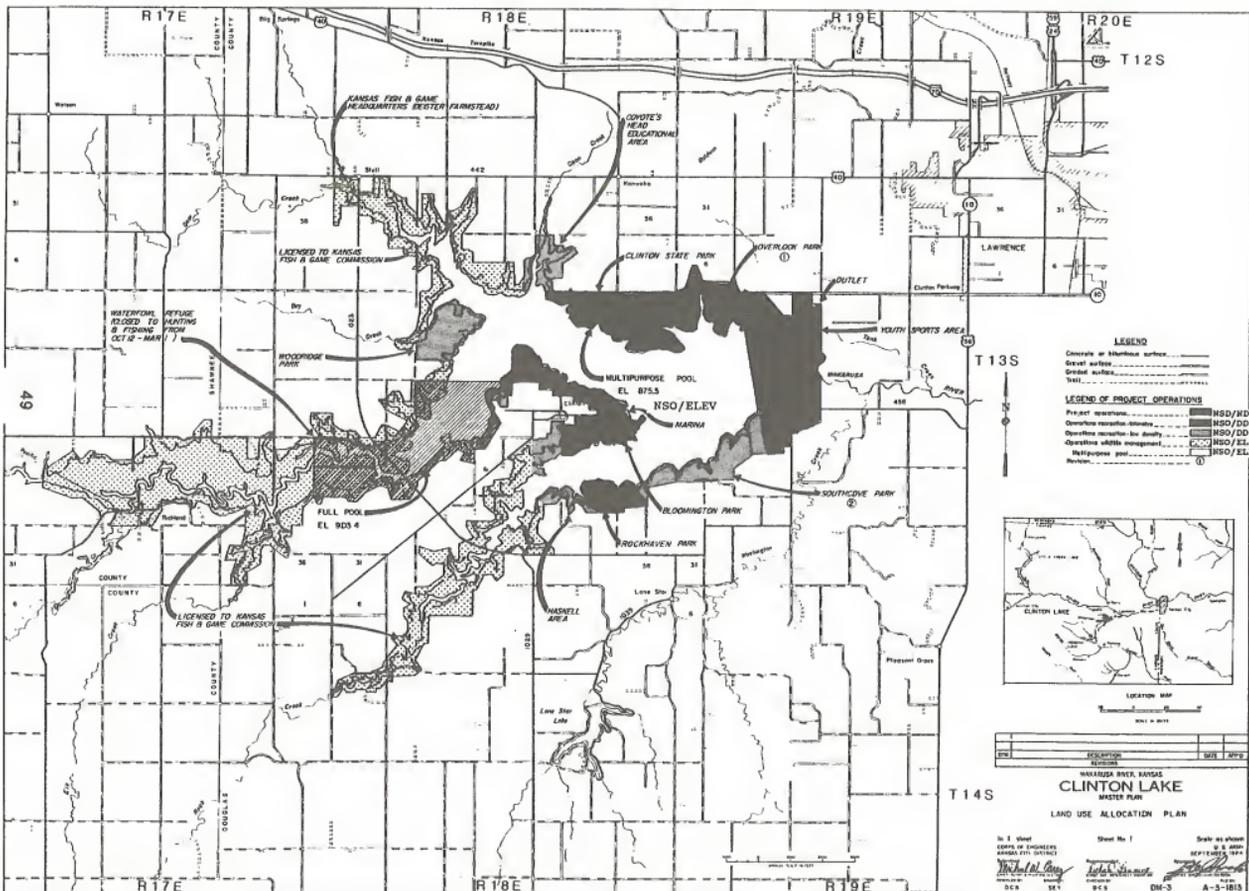
The lake, built as a flood control project, also provides significant downstream benefits as well as providing recreational opportunities.

The proximity of the lake to I-70, and the lack of other bodies of water in this arid region of the state, contribute to extensive recreational use. There are five developed recreation areas or parks within the project; two of which, Wilson and Otoe, are managed as Kansas State Parks by KDWP. The KDWP also manages approximately 6,990 acres of project lands as a wildlife management area in the upper end of the lake. Some project lands are leased to area farmers and ranchers for agricultural purposes.

#### SMA Lease Stipulations

NSO/ND on approximately 700 acres associated with the dam, spillway and other operational structures and a 2,000 foot buffer. NSO/DD on approximately 12,000 acres below elevation 1,554 feet as well as on the 4,200 acres of recreation and park lands.

Should Wilson Lake project lands be leased, stipulations as described for each project would apply.



**LEGEND**

- Concrete or shoreline surface
- Gravel surface
- Grass surface
- Soil

**LEGEND OF PROJECT OPERATIONS**

- Pre-act operations
- Construction
- Operation maintenance low density
- Operation maintenance high density
- Recreation pool
- MSO/DD
- MSO/DD
- MSO/ID
- MSO/ELEV
- MSO/ELEV



LOCATION MAP  
SCALE 1:50,000

DATE	REVISION	BY	APP'D.

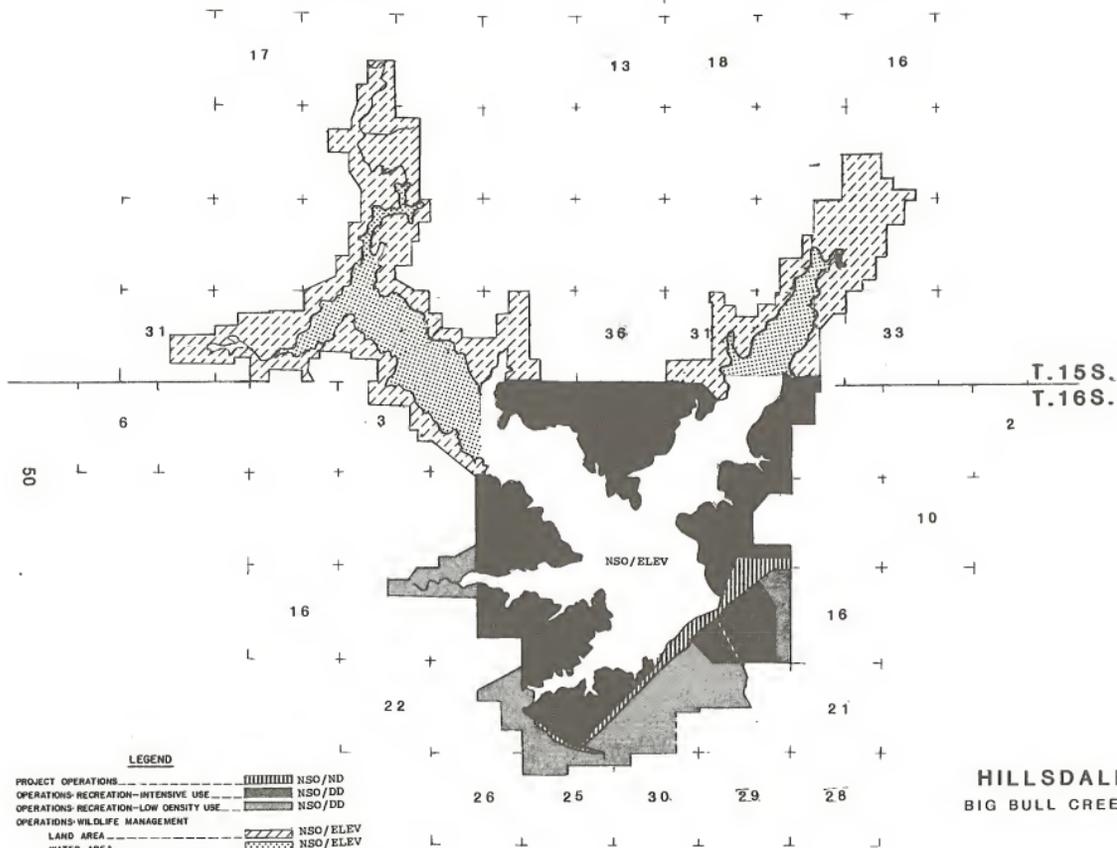
**CLINTON LAKE**

MANAGEMENT BY KANSAS  
MASTER PLAN  
LAND USE ALLOCATION PLAN

Scale 1:50,000  
 SHEET NO. 1  
 DATE: 11/2/88  
 DRAWN BY: J. L. GAY  
 CHECKED BY: J. L. GAY  
 DESIGNED BY: J. L. GAY  
 PROJECT NO. 804-5-1615  
 SHEET NO. 1 OF 3  
 SCALE: 1" = 500'

R.22E.

R.23E.



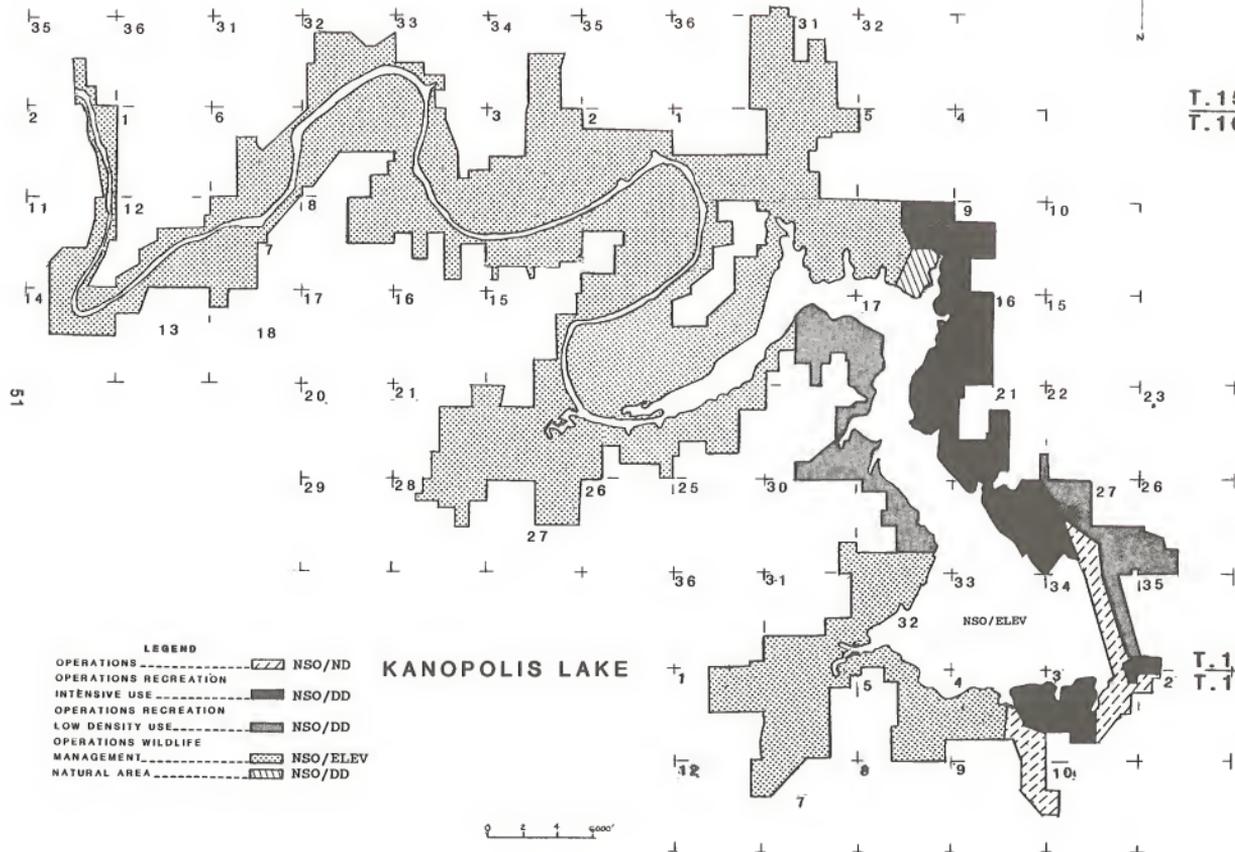
**HILLSDALE LAKE**  
BIG BULL CREEK, KANSAS

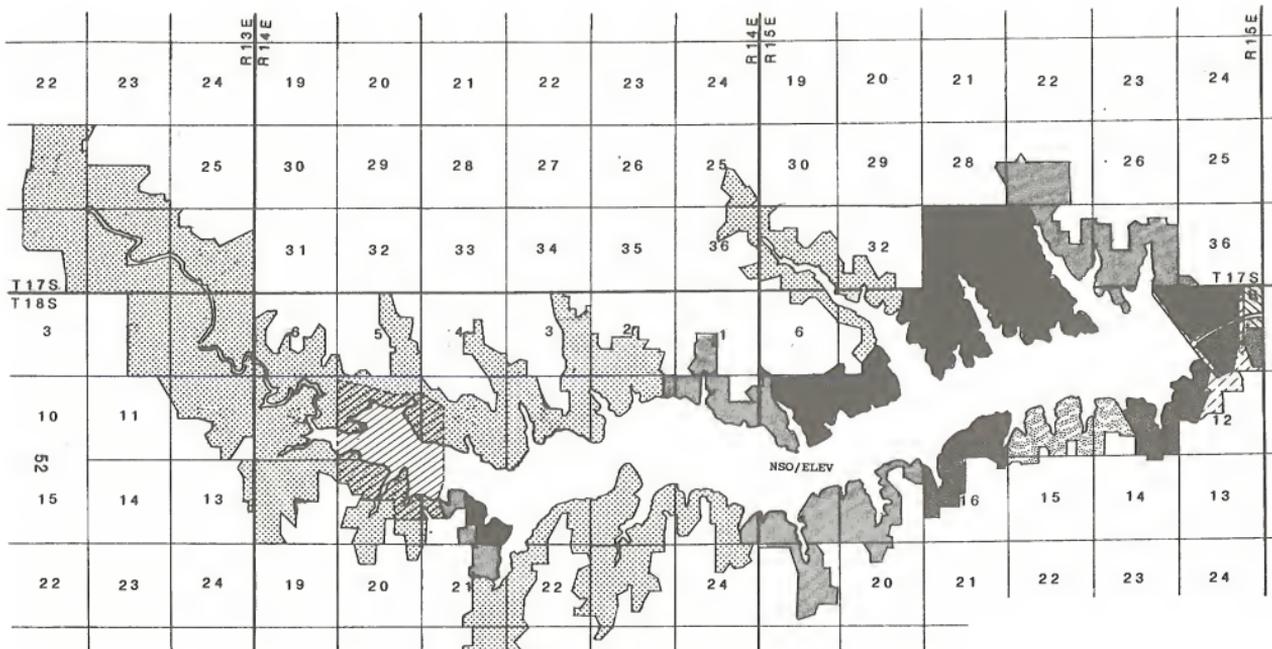
0 1 2 4 6000'

R. 8 W.

R. 7 W.

R. 6 W.





**LEGEND**

- |   |  |        |
|---|--|--------|
| PROJECT OPERATION                       |  | NSO/DD |
| OPERATIONS RECREATION - INTENSIVE USE   |  | NSO/DD |
| OPERATIONS RECREATION - LOW DENSITY USE |  | NSO/DD |
| OPERATIONS WILDLIFE MANAGEMENT          |  | NSO/DD |
| OPERATIONS GRASSLAND MANAGEMENT         |  | NSO/DD |
| OPERATIONS NATURAL AREA                 |  | NSO/DD |
| RESOURCE USE OBJECTIVE COMPARTMENTS     |  | ①      |



**MELVERN LAKE**

MARAIS DES CYGNES RIVER, KANSAS



R. 17 E.

R. 18 E.

T. 7 S.  
T. 8 S.

T. 8 S.  
T. 9 S.

T. 9 S.  
T. 10 S.

T. 10 S.  
T. 11 S.



- LEGEND
- OPERATIONS RECREATION  NSO/ND
  - OPERATIONS RECREATION  NSO/DD
  - OPERATIONS RECREATION  NSO/DD
  - LOW DENSITY USE  NSO/DD
  - OPERATIONS WILDLIFE  NSO/ELEV
  - MANAGEMENT  NSO/ELEV
  - WATERS  NSO/ELEV
  - UNRESTRICTED  NSO/ELEV
  - RESTRICTED  NSO/ELEV

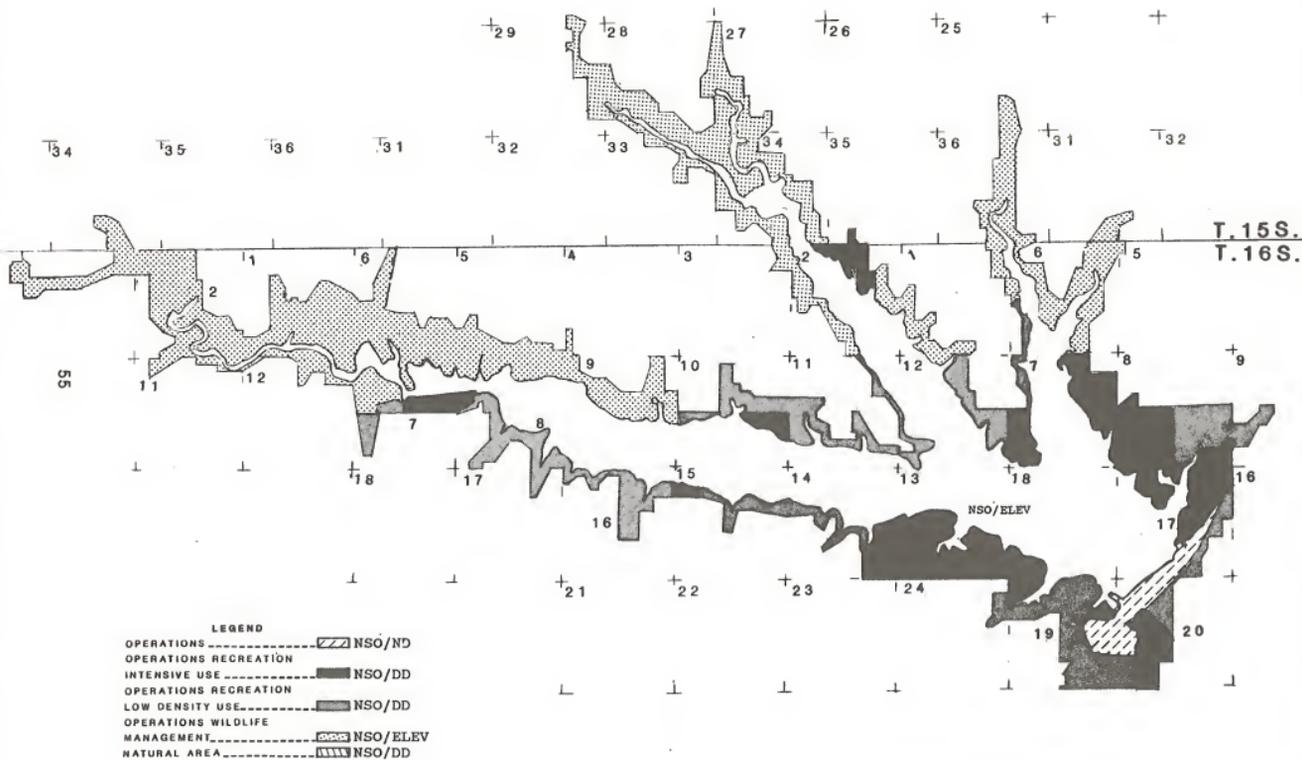
PERRY LAKE



R. 15E.

R. 16E.

R. 17E.



POMONA LAKE



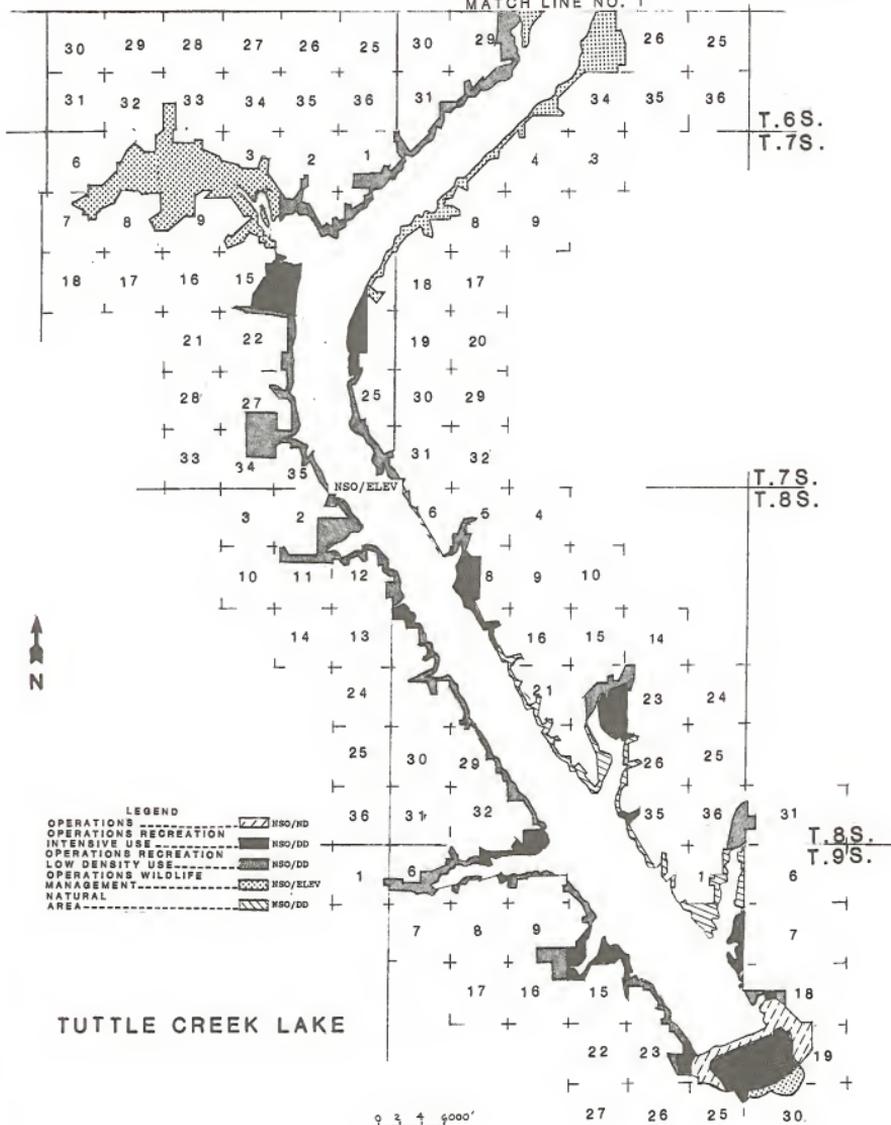
R.5E.

R.6E.

R.7E.

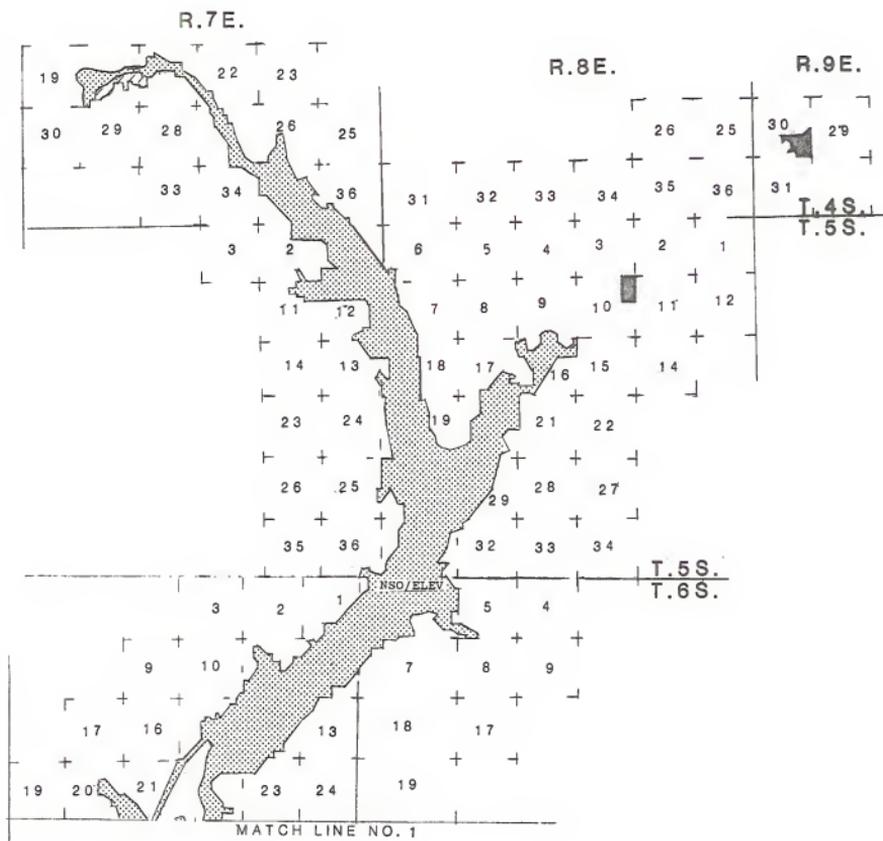
R.8E.

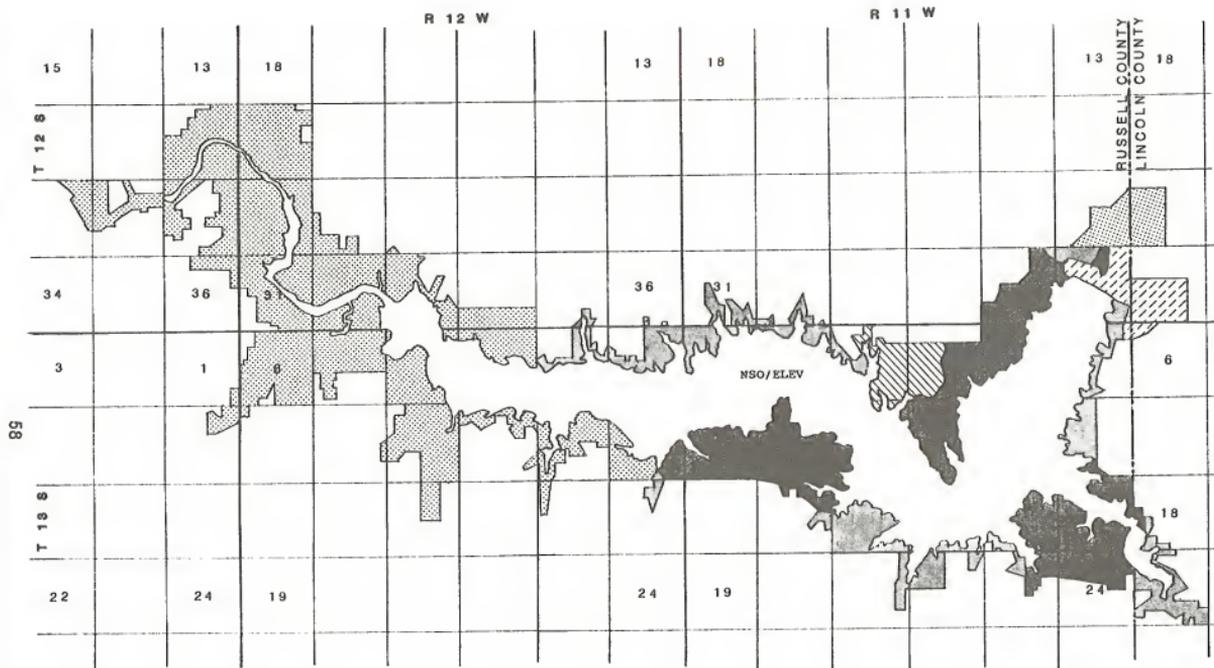
MATCH LINE NO. 1



TUTTLE CREEK LAKE

0 2 4 6000'





# WILSON LAKE

Saline River, Kansas



### LEGEND

- OPERATIONS RECREATION NSO/ND
- OPERATIONS RECREATION INTENSIVE USE NSO/DD
- OPERATIONS RECREATION LOW DENSITY USE NSO/DD
- OPERATIONS WILDLIFE MANAGEMENT NSO/ELEV
- NATURAL AREA NSO/DD

U.S. DEPARTMENT OF DEFENSE MILITARY  
LANDS

Department of Defense (DOD) lands acquired or withdrawn for military purposes are available for oil and gas leasing subject to DOD leasing stipulations and the particular uses of a specific base or facility. There are two active Army Military Reservations (Forts), two working Army Ammunition plants and two active Air Force facilities located within Kansas. Two of the military facilities, Fort Leavenworth and the Kansas Army Ammunition Plant are closed to oil and gas leasing.

Fort Riley Military Reservation

100,673 acres

Fort Riley, situated in northeast Kansas, encompasses nearly a third of Riley County. The military reservation of over 100,000 acres, includes both Public Domain and acquired lands lying between Milford Lake and Tuttle Creek Lake about three miles west of the city of Manhattan. The entire military reservation is used for military purposes and contains both developed and undeveloped areas. The Base Commander has evaluated Federal oil and gas leasing in relation to the mission of the Fort and has made land use determinations regarding oil and gas leasing.

SMA Lease Stipulations

Closed to Leasing	30,700
No Surface Occupancy	68,173
Open W/STC	1,800

Should Fort Riley Military Reservation lands identified as open for oil and gas leasing by the Base Commander be leased, NSO would apply to 68,173 acres.

All 1,800 acres subject to STC within Fort Riley are in a floodplain or contain wetlands and/or riparian zones

and as such the BLM would apply ORA-1 and ORA-2 stipulations to any leases.

Sunflower Army Ammunition Plant

10,000 acres

The Sunflower Army Ammunition plant is located in Johnson County, south of the town of Desoto. This 10,000 acre tract of acquired Federal minerals is intensively developed with numerous surface structures and both surface use and access is restricted. The plant is open for oil and gas leasing subject to standard DOD leasing stipulations and any other restrictions required by the Base Commander.

SMA Lease Stipulations

Standard DOD stipulations require NSO within 2,000 feet of structures and developments. This effectively places the entire 10,000 acres within this category. All oil and gas operations would be subject to approval of the Base Commander.

Should Sunflower Army Ammunition Plant lands be leased for oil and gas, stipulations as described above would apply.

McConnell Air Force Base

2,554 acres

McConnell AFB is located within Sedgwick County adjacent to the City of Wichita. This is an active base with facilities, structures and runways located over its entirety.

SMA Lease Stipulations

NSO with directional drilling possible with the approval of the Base Commander. Should McConnell AFB lands would be leased, stipulations as described above would apply.

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Smoky Hill ANG Range

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Range acres 33,873

Land allocations

Target complex	11,326
Agricultural leases	842
Hay leases	811
Grazing leases	17,358
Kansas Army National Guard	3,536

Description

Smoky Hill Air National Guard (ANG) bombing Range is a 50 square mile facility located in central Kansas, 11 miles southwest of Salina. The range is an air to ground bombing and gunnery target range used by 29 air units from the continental United States.

Consisting of approximately 33,873 acres of tall grass prairie and woodlands, with over 120 ponds, reservoirs, and the associated riparian habitats, the range provides a home for numerous wildlife species.

The range is managed to meet its military mission and for natural resources development, wildlife habitat protection and enhancement, livestock grazing, forestry, and recreation. As described in the Integrated Land Use Management Plan prepared for the facility in March of 1989, the goals and objectives of the Kansas Air National Guard (KSANG) are to manage the natural resources of the Range with a multi-disciplinary approach to sound land use management.

Forest resources on the Smoky Hill Range encompass over 1,500 acres. Commercial species include; black walnut, bur oak, green ash, and cottonwood. Noncommercial trees include American and Siberian elm, willow, cedar, osage-orange, honey locust, black locust, mulberry, and box elder.

Wildlife species include both whitetail and mule deer, as well as every species common to central Kansas.

Recreation resources on the Range consist of hunting and fishing and are open to military personnel, dependents, guests, and retired military personnel on a permit basis.

SMA Lease Stipulations

Standard DOD and USAF stipulations would apply. NSO on approximately 11,326 acres associated with the target area as well as an appropriate buffer surrounding facilities and structures would apply.

Should Smoky Hill Weapons Range lands identified as open for oil and gas leasing by the Base commander be leased, stipulations as described would apply.

# FORT RILEY KANSAS

## LAND AREA TABULATION

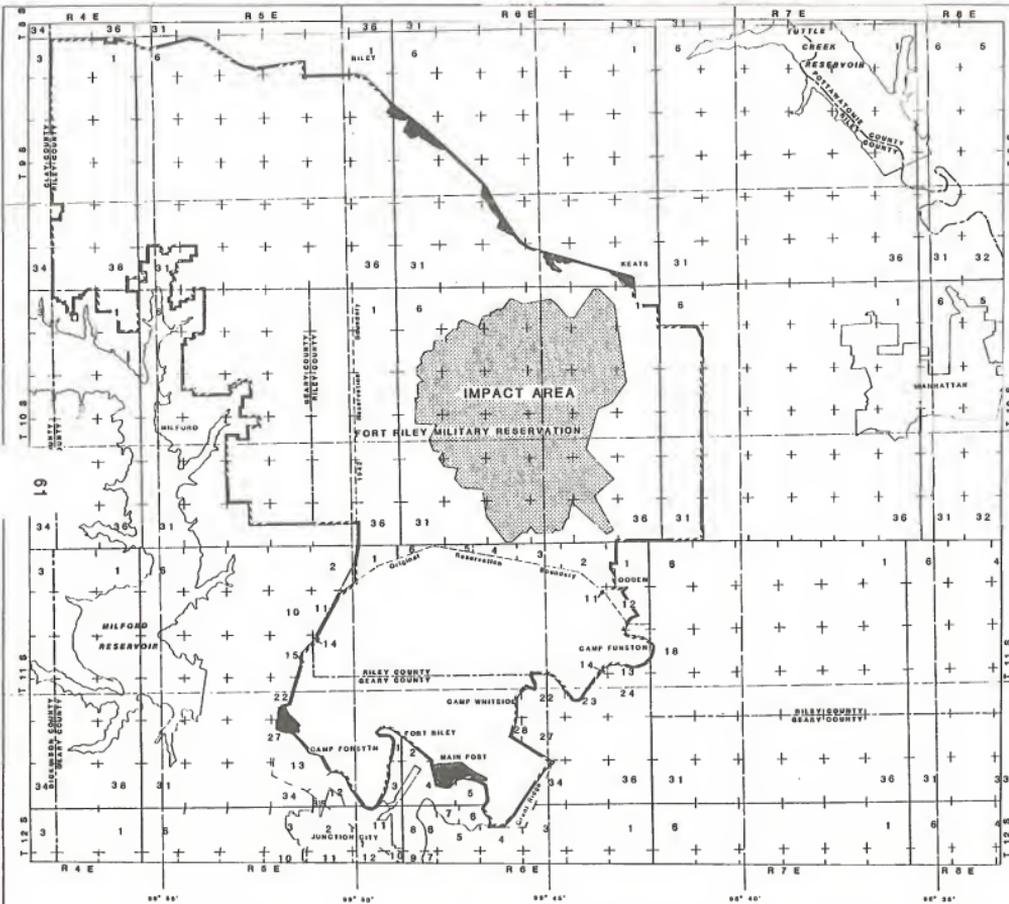
Public Domain Section	Acres
Area Closed to Leasing	10,211
Open Area with Standard Easements	1,000
Surface Occupancy Not Allowed on All Remaining Areas	1,000
<b>Total</b>	<b>12,211</b>

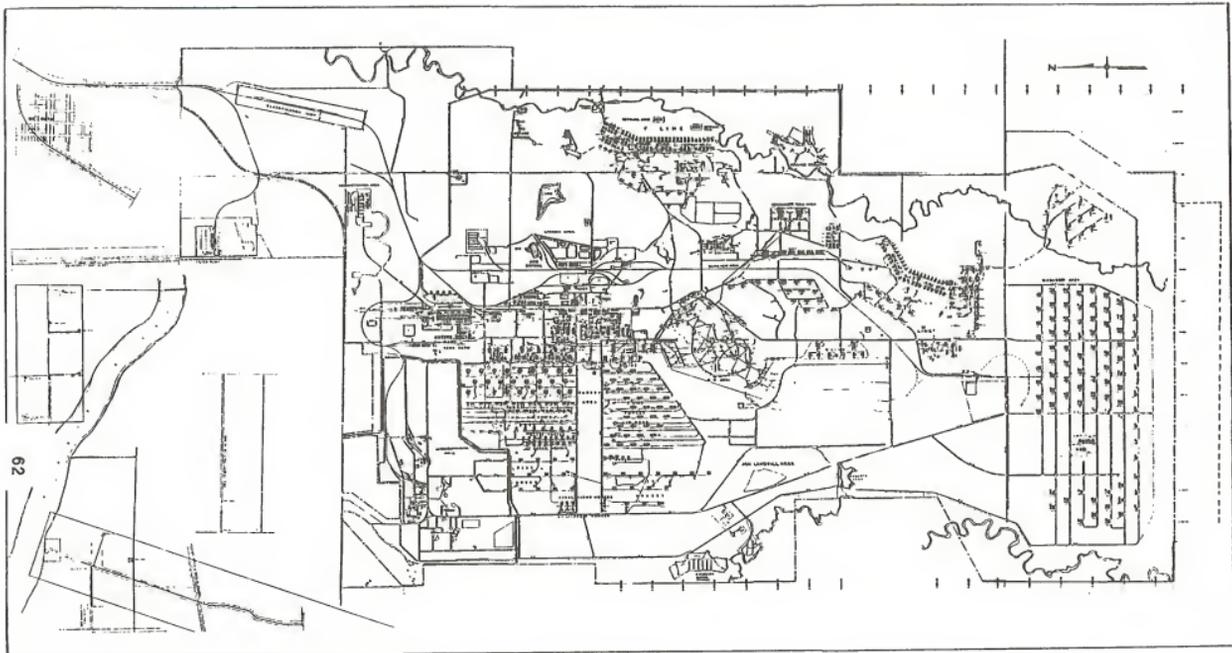
--- MILITARY RESERVATION BOUNDARY

 AREA CLOSED TO LEASING

 OPEN AREA WITH STANDARD EASEMENTS

 SURFACE OCCUPANCY NOT ALLOWED ON ALL REMAINING AREAS





62

<table border="1"> <tr> <td>DATE</td> <td>1/11/67</td> </tr> <tr> <td>SCALE</td> <td>AS SHOWN</td> </tr> <tr> <td>PROJECT</td> <td>HERCULES PROJECT</td> </tr> <tr> <td>NO.</td> <td>066</td> </tr> </table>		DATE	1/11/67	SCALE	AS SHOWN	PROJECT	HERCULES PROJECT	NO.	066	<table border="1"> <tr> <td colspan="2">HERCULES PROJECT</td> </tr> <tr> <td colspan="2">SCHEDULED FOR CONSTRUCTION</td> </tr> <tr> <td colspan="2">CONTRACT NO. 67-0000000000</td> </tr> <tr> <td colspan="2">DRAWING NO. 066</td> </tr> <tr> <td colspan="2">DATE 1/11/67</td> </tr> <tr> <td colspan="2">BY [Signature]</td> </tr> <tr> <td colspan="2">CHECKED BY [Signature]</td> </tr> <tr> <td colspan="2">APPROVED BY [Signature]</td> </tr> <tr> <td colspan="2">TITLE</td> </tr> <tr> <td colspan="2">PLAN SITE PLAN</td> </tr> <tr> <td>DATE</td> <td>1/11/67</td> </tr> <tr> <td>BY</td> <td>[Signature]</td> </tr> <tr> <td>CHECKED</td> <td>[Signature]</td> </tr> <tr> <td>APPROVED</td> <td>[Signature]</td> </tr> </table>	HERCULES PROJECT		SCHEDULED FOR CONSTRUCTION		CONTRACT NO. 67-0000000000		DRAWING NO. 066		DATE 1/11/67		BY [Signature]		CHECKED BY [Signature]		APPROVED BY [Signature]		TITLE		PLAN SITE PLAN		DATE	1/11/67	BY	[Signature]	CHECKED	[Signature]	APPROVED	[Signature]
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DATE	1/11/67																																					
BY	[Signature]																																					
CHECKED	[Signature]																																					
APPROVED	[Signature]																																					

**FINAL  
PROJECT MAP**

OFFICE OF THE AIR FORCE

STRATEGIC AIR COMMAND

LOCATION OF PROJECT

STATE: MISSISSIPPI  
COUNTY: LEWIS  
TOWNSHIP: MISSISSIPPI  
SICITY: MANASSA  
LOCAL AREA: 2713  
1/4 SECTION: SOUTH OF HIGHWAY 2

TRANSPORTATION FACILITIES

NATIONAL AIRWAY SYSTEM  
STATE HIGHWAY: 13  
FEDERAL HIGHWAY: MISSISSIPPI 13  
AIRPORT: MANASSA  
RAILROAD: MISSISSIPPI

ACQUISITION

TOTAL ACRES ACQUIRED: 1,570.00

USE REVENUE: 3,000.00  
PUBLIC BONDING: 0.00  
USE FEES: 0.00  
REVENUE: 0.00  
LEASE: 0.00  
LEASE AGREEMENTS: 0.00  
EASEMENTS: 0.00  
EASEMENTS NOT INCLUDED IN THIS ACQUISITION: 0.00

DISPOSAL

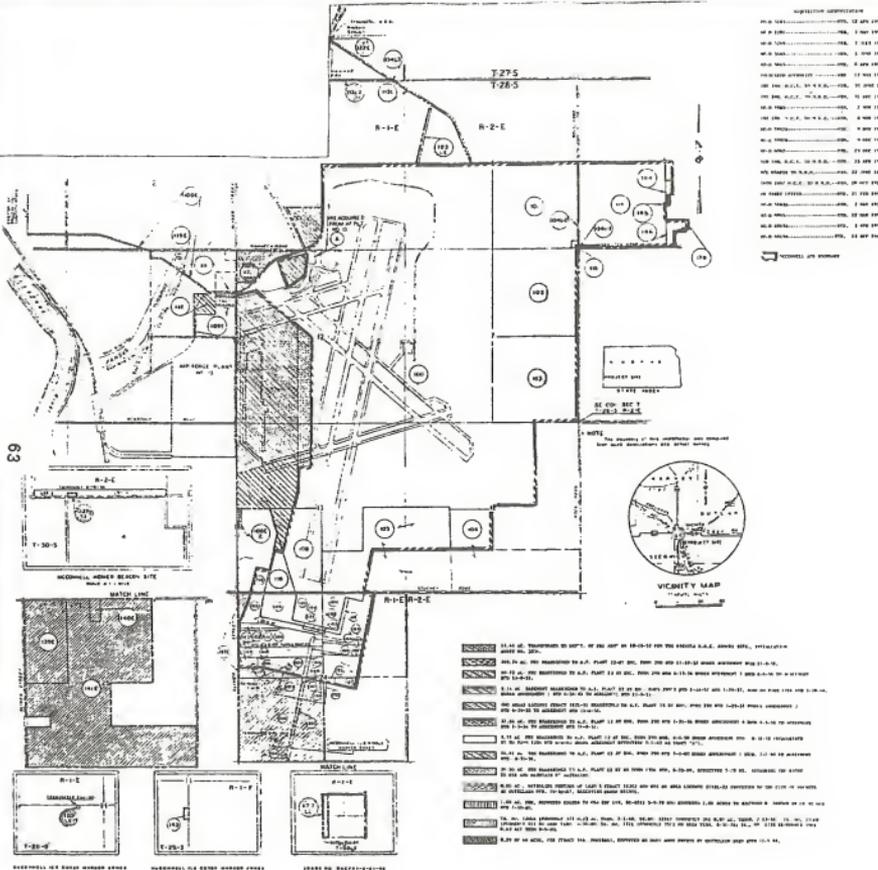
TOTAL ACRES DISPOSED OF: 0.00

USE REVENUE: 0.00  
PUBLIC BONDING: 0.00  
USE FEES: 0.00  
REVENUE: 0.00  
LEASE: 0.00  
LEASE AGREEMENTS: 0.00  
EASEMENTS: 0.00  
EASEMENTS NOT INCLUDED IN THIS ACQUISITION: 0.00

LEGEND

PROPERTY NOT TO BE ACQUIRED THROUGH EASEMENT OR  
EASEMENT OR OTHERWISE BY THIS MAP SHOULD  
BE ACQUIRED BY THE  
ACQUISITION UNIT  
EASEMENT UNIT  
LEASE UNIT  
CONDUIT UNIT  
DISPOSAL  
CLEARANCE EASEMENTS

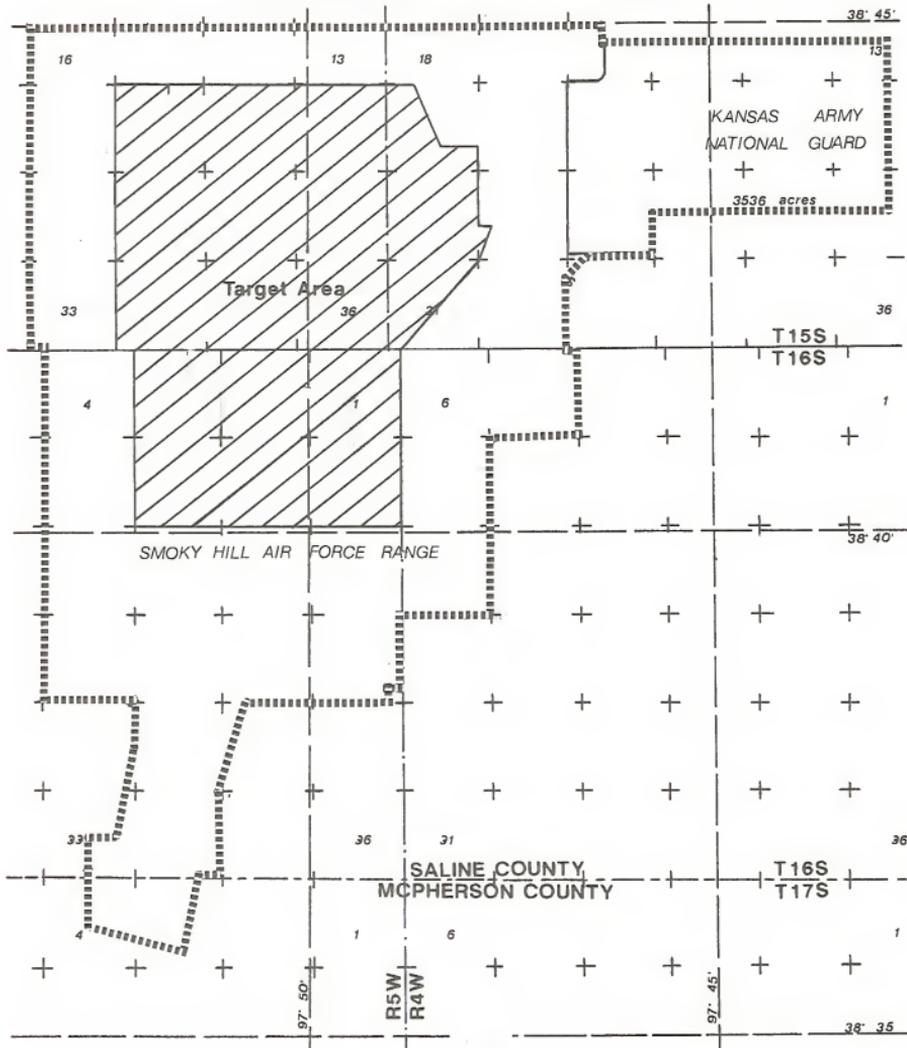
COORDINATION	STRATEGIC AIR COMMAND
PROJECT	STRATEGIC AIR COMMAND
ENGINEERING	STRATEGIC AIR COMMAND
DESIGN	STRATEGIC AIR COMMAND
CONSTRUCTION	STRATEGIC AIR COMMAND
OPERATION	STRATEGIC AIR COMMAND
MAINTENANCE	STRATEGIC AIR COMMAND
REPAIR	STRATEGIC AIR COMMAND
REPLACEMENT	STRATEGIC AIR COMMAND
RECONSTRUCTION	STRATEGIC AIR COMMAND
RENOVATION	STRATEGIC AIR COMMAND
REPAIR	STRATEGIC AIR COMMAND
REPLACEMENT	STRATEGIC AIR COMMAND
RECONSTRUCTION	STRATEGIC AIR COMMAND
RENOVATION	STRATEGIC AIR COMMAND



REPRODUCTION FOR GROUP PURPOSES ONLY  
REPRODUCTION FOR GROUP PURPOSES ONLY  
REPRODUCTION FOR GROUP PURPOSES ONLY

# SMOKY HILL MILITARY RESERVATION

SALINE AND MCPHERSON COUNTIES, KANSAS



## SPLIT-ESTATE TRACTS

Included within the Kansas RMP area are over 73,000 acres of split-estate minerals located on over 400 tracts within 66 counties (Morton and Stevens counties tracts are included in FS planning). A complete list of leased and unleased split-estate tracts included in this planning effort is contained in Appendix 1.

The majority (over 57,000 acres) of the split-estate tracts could be leased with STC under the RMP. No surface resource values or special conditions exist on these tracts to warrant additional protective measures. The majority of these tracts occur in croplands, improved pasture lands and native grasslands. Typically, these are uplands with no surface water, riparian vegetation or other unique or special habitat features.

The split-estate tracts described below are those tracts which would require other than STC should oil and gas leasing occur.

The protective measures identified for these tracts are protective stipulations required under existing BLM policy as well as those stipulations and requirements identified by the proposed RMP. A summary of split-estate stipulations is presented on the following Table (3).



Table 3

ACRES OF STIPULATIONS AND LEASE NOTICES ON KANSAS SPLIT-ESTATE LANDS.

COUNTY	TOTAL ACRES	STC	ORA-1 FLPLN	ORA-2 WET	ORA-3 TIME	ORA-4 NSD	LN-1 T/E	LN-2 RFF
Allen	476		476	476			476	
Atchison	80							
Barber	80			40		40		80
Bourbon	300	80	220	220			220	
Brown	160			80				
Cheyenne	11,217	8,330	760	2,887				11,217
Clark	377	279	40	98		40	138	377
Clay	557	398		159				557
Cloud	161							
Comanche	201	42	40	159		120	40	201
Cowley	1		1	1		1	1	
Decatur	800	640	160	160		40		800
Doniphan	4			4		4		
Douglas	532	532					274	
Edwards	51	11				40		51
Ellis	40			40				40
Finney	9,279	7,999		1,280	320		798	9,279
Franklin	190	190					120	
Geary	339	333	6			6		
Gove	960	800				160		960
Grant	800	800						800
Greeley	1,933	1,321	160	612				1,933
Hamilton	8,041	7,201	46	821		19	446	8,041
Haskell	2,551	1,751		800				2,551
Jackson	195	95		100				
Jefferson	359	125	74	234			74	
Jewell	63			63				63
Johnson	160	160		160			160	
Kearny	18,854	17,414		1,440		440		18,854
Kingman	16			16				16
Lane	1,160	560	80	600				1,160
Leavenworth	436	288	101	148			284	
Lane	240	240						
Linn	484	29	384	455			484	
Logan	865	705	40	160		65	145	865
Lyon	80	80						
Marshall	160	120	39	40				
Meade	1,513	850		663		79	1,062	1,513
Miami	160	160						
Mitchell	240	80		160				240
Morris	442		442	442				
Neosho	195	195						
Ness	160	160						160
Norton	476	158		318				476
Osage	110		110	110				
Palmer	11	11						11
Phillips	100			100				100
Rawlins	480	480						480
Republic	430	320	110					
Riley	157		157	157		78		
Saline	221			221				221
Scott	540	300	240	240			40	540
Seward	1,064	826	160	238		80	320	1,064
Shawnee	74	74						
Sherman	960	960						960
Smith	160			160				160
Stafford	41	41						41
Stanton	916	876		40				916
Trego	200	200						200
Wabaunsee	15	10	5	5			5	
Wallace	990	430		560			160	990
Washington	193	33		160				
Wichita	480	160		320				480
Wilson	80	80						
Woodson	317	317						
<b>TOTALS</b>	<b>72,927</b>	<b>57,244</b>	<b>3,851</b>	<b>15,147</b>	<b>320</b>	<b>1,212</b>	<b>5,285</b>	<b>65,397</b>

### ALLEN COUNTY

T. 24 S., R. 17 E.,  
Sec. 2, Lots 1, 2, S1/2NE1/4, SE1/4,  
316 acres  
Sec. 11, NE1/4. 160 acres  
Tract Total= 476 acres

This unleased tract of acquired Federal mineral estate is contained in two contiguous portions totaling 476 acres. Located approximately four miles northwest of the town of Iola on the Neosho River, this tract has been classified as both a floodplain and wetland and contains riparian habitat. The Neosho River has been designated critical habitat by the KDWP. The Neosho River provides habitat for the Neosho madtom (listed as threatened by the State of Kansas and USFWS) and the pallid sturgeon (listed as endangered by the KDWP and the USFWS).

Should this tract be leased, ORA-1 and ORA-2 apply. The SSS lease notice (LN-1) would be used to alert all parties involved in leasing, approving, and developing the lease, that site specific field surveys and additional agency coordination and consultation may be necessary due to the greater probability of impacting threatened or endangered species near this tract.

### BARBER COUNTY

Barber County contains two forty acre tracts of unleased Federal split-estate minerals. Both are located in the southwest quarter of the county. Special resource values have been identified for both tracts which would warrant special stipulations and notices to ensure resource protection.

Tract 1.  
T. 33 S., R. 15 W.,  
Sec. 8, SE1/4SE1/4. 40 acres

This tract containing a wetland is located approximately 21 miles west southwest of the town of Medicine Lodge. This tract is not leased at this time.

The KDWP owns the surface and has identified this tract as valuable habitat that should not be disturbed.

Tract 2.  
T. 35 S., R 14 W.,  
Sec. 3, SW1/4NW1/4. 40 acres

This tract is located about 22 miles southwest of the town of Medicine Lodge. The Kansas Biological Survey's Natural Heritage Program (KSNHP) has identified this tract as possible habitat for the checkered garter snake and the eastern hognose snake. Both species are listed by the KDWP as threatened in Kansas.

Should tracts 1 and 2 be leased, ORA-2 would apply to Tract 1, ORA-4 would also apply to Tract 1. LN-1 would apply to Tract 2.

### BOURBON COUNTY

T. 26 S., R. 24 E.,  
Sec. 4, NW/14SW1/4, W1/2SW1/4SW1/4;  
60 acres  
Sec. 5, SE1/4. 160 acres  
Tract Total= 220 acres

This tract consists of a 200 acre contiguous parcel and a twenty acre parcel one eighth mile to the east separated by the Missouri, Kansas, Texas (MKT) railroad tracks. This tract is located within the floodplain of the Marmaton River approximately 4 miles southwest of the city of Fort Scott. This unleased tract has also been classified as a wetland by the USFWS. This tract falls within an area which has been designated by the KDWP as critical habitat for the broadhead skink, listed as threatened by KDWP.

Should this tract be leased, ORA-1 and ORA-2 apply.

BROWN COUNTY

T. 2 S., R. 17 E.,  
Sec. 5, S1/2SE1/4. 80 acres

This eighty acre unleased site is located three miles north of the town of Hiawatha on Spring Branch Creek, an intermittent tributary of Walnut Creek, a perennial stream. The tract contains both wetland and riparian habitat.

Should this tract be leased, ORA-2 would apply.

CHEYENNE COUNTY

Cheyenne County contains over 11,217 acres of split-estate minerals scattered over its northwest half in 37 tracts ranging in size from 40 acres to over 3800 acres. Fifteen of these tracts have been identified as wetlands or floodplain and have been determined to warrant special stipulations for resource protection. These tracts are:

Tract 1.  
T. 2 S., R. 42 W.,  
Sec. 10, SW1/4NW1/4; 40 acres  
Sec. 9, SE1/4NE1/4, N1/2SE1/4. 120 acres  
Tract Total= 160 acres

This unleased tract contains both a wetland and floodplain and is located less than one mile from the Colorado state line six miles south of the Nebraska state line.

Tract 2.  
T. 4 S., R 42 W.,  
Sec. 22, SW1/4; 160 acres  
Sec. 27, N1/2NW1/4. 80 acres  
Tract Total= 240 acres

Located on Cowge Creek, one mile from the Colorado state line and less than a mile from the creek's confluence with the South Fork of the Republican River, this unleased tract contains areas classified as wetlands and provides riparian habitat.

Tract 3.  
T. 4 S., R. 41 W.,  
Sec. 35, SE1/4. 160 acres

This unleased tract is located approximately four miles southwest of the town of Saint Francis on an unnamed intermittent tributary of the South Fork of the Republican River and contains a wetland.

Tract 4.  
T. 1 S., R 39 W.,  
Sec. 5, SW1/4, W1/2SE1/4. 240 acres

This tract, containing a wetland, sits on an unnamed intermittent tributary of the Arikaree River approximately one-half mile from the Nebraska state line. The tract is a part of a larger block containing 360 acres of split-estate minerals.

Tract 5.  
T. 1 S., R. 41 W.,  
Sec. 9, NE1/4NW1/4, NE1/4; 200 acres

Tract 6.  
Sec. 11, N1/2, NE1/4SE1/4. 360 acres

Tracts 5 and 6 are situated on either end of a larger 1200 acre unleased tract of split-estate minerals located one mile south of Nebraska and one quarter mile east of State Highway 27. Both tracts contain wetlands formed by unnamed intermittent tributaries of the Arikaree River.

Tract 7.  
T. 1 S., R. 40 W.,  
Sec. 34, NE1/4NE1/4. 40 acres

This is an unleased, isolated tract. It contains a wetland formed on an intermittent tributary of Hackberry Creek approximately four miles west of Hackberry Creek's confluence with the South Fork of the Republican River.

Tract 8.  
T. 3 S., R. 41 W.,  
Sec. 6, E1/2. 320 acres

This tract is under lease at this time. It contains a wetland formed on an intermittent tributary of Cherry Creek and is located approximately eight miles northwest of the town of Saint Francis.

Tract 9.  
T. 2 S., R. 38 W.,  
Sec. 16, NE1/4. 160 acres

This unleased tract abuts an additional 200 acres of split-estate minerals to the northwest forming a 360 acre unit. A wetland formed by an unnamed intermittent tributary of Timber Creek is situated on Tract 9. This tract is located approximately two miles west of where Kansas State Highway 161 crosses Timber Creek.

Tract 10.  
T 1 S., R. 38 W.,  
Sec. 18, Lots 2, 3, SE1/4NW1/4,  
NE1/4SW1/4. 167 acres

This unleased tract is located approximately two miles south of Nebraska on an unnamed tributary of the South Fork of the Republican River and contains both wetland and riparian habitat.

Tract 11.  
T. 2 S., R. 37 W.,  
Sec. 5, Lot 2. 40 acres

This unleased isolated tract contains a wetland and is located on an unnamed intermittent tributary of Timber Creek approximately two miles east of Kansas State Highway 161 and six miles south of Nebraska.

Tract 12.  
T. 2 S., R. 40 W.,  
Sec. 2, SW1/4NE1/4, SW1/4 NW1/4,  
W1/2SE1/4. 200 acres

This unleased tract is located on the headwaters of two intermittent

tributaries of Hackberry Creek approximately three miles west of the confluence of Hackberry Creek with the South Fork of the Republican River. This tract contains wetlands formed by the unnamed streams.

Tract 13.  
T. 4 S., R. 41 W.,  
Sec. 21, SE1/4, SE1/4SW1/4; 200 acres  
Sec. 28, W1/2NE1/4. 80 acres  
Tract Total= 280 acres

This tract is located approximately eight miles southwest of the town of Saint Francis on Crosby Creek, a tributary of the South Fork of the Republican River, within one-half mile of the confluence of Crosby Creek with the river. This unleased tract contains wetland and riparian habitat.

Tract 14.  
T. 2 S., R. 38 W.,  
Sec. 8, S1/2NW1/4, N1/2SW1/4. 160 acres

Located three miles west of where Kansas State Highway 161 crosses Timber Creek, this unleased tract contains a wetland formed by the headwaters of an unnamed intermittent tributary of Timber Creek.

Tract 15.  
T. 2 S., R. 39 W.,  
Sec. 16, All. 640 acres

This unleased tract is located in the floodplain of the South Fork of the Republican River eight miles northeast of the town of Saint Francis.

Tract 16.  
T. 2 S., R. 41 W.,  
Sec. 25, NE1/4. 160 acres

This quarter section of unleased Federal split-estate minerals is located approximately 5 miles northwest of the town of St. Francis on the north side and adjacent to State Highway 27. The headwaters of Fish Creek occur on this tract and there is a wetland associated with this creek.

Should these tracts be leased, ORA-1 would apply to Tracts 1 and 15, ORA-2 would apply to Tracts 1 through 14 and Tract 16. Tract 8 would be re-offered with ORA-2.

#### CLARK COUNTY

Clark County contains seven tracts of split-estate minerals totaling approximately 377 acres. There are no leased tracts within the county, however should leasing occur, three of these tracts contain surface resources where ORA-1 or ORA-2 would apply. These tracts are:

Tract 1.  
T. 32 S. R. 23 W.,  
Sec. 18, NE1/4NW1/4. 40 acres

This isolated tract contains wetlands and is located approximately six miles northwest of the town of Ashland on an unnamed intermittent tributary of the West Branch of Bear Creek. State-listed threatened species known or likely to occur near streams and wetlands are the checkered garter snake and the eastern hognose snake. The state-listed threatened New Mexico blind snake, Texas longnose snake and the Texas night snake are also known to occur in Clark county.

Tract 2.  
T. 34 S., R. 24 W.,  
Sec. 7, SW1/4SE1/4. 40 acres

This isolated tract is located in the floodplain of Big Sandy Creek approximately one-half mile east of the U.S. Highway 283 crossing. This tract contains wetland and riparian habitats on Big Sandy Creek. State-listed threatened species known or likely to occur near streams and wetlands are the checkered garter snake and the eastern hognose snake. The state-listed threatened New Mexico blind snake, Texas longnose snake and the Texas night snake are also known to occur in Clark county.

Tract 3.  
T. 35 S., R. 25 W.,  
Sec. 5, Lot 2. 18 acres

This tract is located about three miles west of the town of Engwood and contains a wetland formed by an unnamed intermittent stream. State-listed threatened species known or likely to occur near streams and wetlands are the checkered garter snake and the eastern hognose snake. The state-listed threatened New Mexico blind snake, Texas longnose snake and the Texas night snake are also known to occur in Clark county.

Tract 4.  
T. 31 S., R. 23 W.,  
Sec. 27, SW1/4NE1/4. 40 acres

This isolated tract is located about nine miles northwest of Ashland, Kansas. The surface of this public land tract is in the process of being patented to the KDWP. The KDWP has identified this tract as having valuable wildlife resources and has requested that no surface disturbing activities be allowed. The state-listed threatened New Mexico blind snake, Texas longnose snake and the Texas night snake are also known to occur in Clark county.

Should these tracts be leased, ORA-1 would apply to Tract 1, ORA-2 applies to all. ORA-4 applies to Tract 4 to protect wildlife resources identified by the KDWP. LN-1 would apply to tracts 1 through 4.

#### CLAY COUNTY

T. 7 S., R. 4 E.,  
Sec. 7, NE1/4. 159 acres

This unleased tract is located on an unnamed tributary of West Fancy Creek approximately seven miles northeast of the city of Clay Center. Wetlands occur on this tract.

Should this tract be leased, ORA-2 would apply.

### COMANCHE COUNTY

Comanche County contains approximately 160 acres of split-estate minerals within three tracts. Three of these tracts possess surface values requiring greater protection than STC provides.

Tract 1.  
T. 31 S., R. 16 W.,  
Sec. 1, Lot 4. 39 acres

This leased tract is located on North Elk Creek approximately 18 miles northeast of the town of Coldwater. Wetlands occur on this tract. The surface of this public land tract is in the process of being patented to the KDWP. The KDWP has identified this tract as having valuable wildlife resources and has requested that no surface disturbing activities be allowed.

Tract 2.  
T. 34 S., R. 16 W.,  
Sec. 8, NW1/4SW1/4, SE1/4SW1/4. 80 acres

This unleased tract is located on an unnamed tributary of the Salt Fork of the Arkansas River approximately 17 miles southeast of the town of Coldwater. Wetlands occur on this tract. The surface of this public land tract is in the process of being patented to the KDWP. The KDWP has identified this tract as having valuable wildlife resources and has requested that no surface disturbing activities be allowed.

Tract 3.  
T. 34 S., R. 17 W.,  
Sec. 11, SE1/4SE1/4. 40 acres

This unleased tract is located within the floodplain of the South Fork of the Arkansas River approximately 11 miles east of the town of Buttermilk. This tract contains a wetland and provides habitat which may be suitable for the checkered garter snake, a state-listed threatened species.

Should Tract 1 become available, ORA-2 and ORA-4 would apply. ORA-2 would apply to Tracts 2 and 3. ORA-1 would apply to Tract 3. LN-1 would apply to Tract 3 and ORA-4 would apply to Tract 2

### COWLEY COUNTY

T. 34 S., R. 3 E.,  
Sec. 7, Lot 1. 0.38 acre

This tract is located on the Arkansas River at the town of Geuda Springs. The tract falls within both a floodplain and wetland habitats. The Arkansas River has been designated critical habitat by the KDWP for the Arkansas river shiner (state-listed threatened species), the speckled chub (state-listed endangered species) and the bald eagle (state and Federal listed endangered species). The surface of this public land tract is in the process of being patented to the KDWP. The KDWP has identified this tract as having valuable wildlife resources and has requested that no surface disturbing activities be allowed.

Should this tract be leased, ORA-1 and ORA-2 apply. In addition to no surface occupancy (ORA-4) restriction would prevent oil and gas drilling activities on this site. LN-1 would also apply.

### DECATUR COUNTY

Tract 1.  
T. 1 S., R. 27 W.,  
Sec. 23, E1/2E1/2. 160 acres

This unleased tract is located within the floodplain of Sappa Creek approximately three miles south of Nebraska. This tract contains both wetland and riparian habitat.

Tract 2.  
T. 1 S., R. 29 W.,  
Sec. 1, SW1/4SE1/4. 40 acres

This unleased tract is located approximately two miles northeast of

Cedar Bluffs, Kansas and one mile south of the Kansas/Nebraska state line. The surface of this public land tract is in the process of being patented to the KDWP. The KDWP has identified this tract as having valuable wildlife resources and has requested that no surface disturbing activities be allowed.

Should these tracts be leased, ORA-1 and ORA-2 apply to Tract 1, ORA-4 would apply to Tract 2.

#### DONIPHAN COUNTY

T. 2 S., R. 19 E.,  
Sec. 24, Lot 7. 3.68 acres

This unleased tract lies one-half mile east of the town of Highland on Mission Creek, a tributary of the Missouri River. This tract contains wetlands. The surface of this public land tract is in the process of being patented to the KDWP. The KDWP has identified this tract as having valuable wildlife resources and has requested that no surface disturbing activities be allowed.

Should this tract be leased, ORA-2 and ORA-4 applies.

#### DOUGLAS COUNTY

Douglas County contains five tracts of split-estate minerals totalling approximately 472 acres, all unleased. Three of these tracts contain surface resources which would require more than STC. These tracts are:

Tract 1.  
T. 13 S., R. 18 E.,  
Sec. 1, Lots 1, 2, S1/2NE1/4. 158 acres

This tract is located two miles west of the city of Lawrence and one-half mile north of Clinton Lake. The KSNHP has identified the area of this tract as tallgrass prairie and possible habitat for Mead's milkweed and the western white-fringed prairie orchid. These

species are Federally listed as threatened by the USFWS.

Tract 2.  
T. 13 S., R. 20 E.,  
Sec. 7, M&B. 18 acres

This unleased tract has also been identified as possible habitat for Mead's milkweed. This tract is located within the city of Lawrence adjacent to the Haskell Indian Jr. College and adjacent to KDWP's designated critical habitat identified for the northern crawfish frog (State of Kansas Threatened Species).

Tract 3.  
T. 14 S., R. 20 E.,  
Sec. 26, E1/2NE1/4. 80 acres

This tract is located approximately two miles northeast of Baldwin City adjacent to State Lake. This tract contains wetlands and riparian habitat along Coal Creek, a tributary of the Wakarusa River. This tract has been identified as potentially providing habitat for a Federally listed threatened species, Mead's milkweed. The wooded portion of this tract is near a known location for the state-listed threatened northern redbelly snake. The state-listed threatened western earth snake is also likely to occur on this tract.

Tract 2 is not available for lease. It is located within the city limits of Lawrence. Should tract 3 be leased, ORA-2 applies, LN-1 applies to both tracts 1 and 3.

EDWARDS COUNTY

T. 26 S., R. 20 W.,  
Sec. 32, SW1/4SE1/4. 40 acres

This is an unleased upland tract located near the Arkansas River 13 miles southwest of the town of Kinsley. The tract has been identified as valuable habitat by the KDWP, who owns the surface. The KDWP has requested that no surface disturbing activities be allowed.

Should this tract be leased, ORA-4 applies.

ELLIS COUNTY

T. 11 S., R. 20 W.,  
Sec. 22, SE1/4SW1/4. 40 acres

This tract contains wetlands formed by an unnamed tributary of the Saline River and is located approximately nine miles north of the town of Ellis.

Should this tract be leased, ORA-2 applies.

FINNEY COUNTY

Finney County has approximately 9,279 acres of split-estate minerals contained in 18 tracts generally located in the southwest portion of the county. All split-estate tracts are situated entirely within a known gas field. All but three tracts are leased. Portions of the leased tracts have been identified as containing wetlands or providing threatened species habitat.

Tract 1.  
T. 25 S., R. 34 W.,  
Sec. 34, SE1/4; 160 acres  
T. 26 S., R. 34 W.,  
Sec. 10; 640 acres  
Sec. 3, Lots 3, 4, S1/2NW1/4, S1/2.  
601 acres  
Tract Total= 1,401 acres

This tract of split-estate is located approximately 13 miles southwest of

Garden City. Section 10 contains a wetland. Sections 3 and 34 have been identified as possibly providing habitat for the glossy snake, a state-listed threatened species. This section is a part of a tract of 3000 acres of contiguous Federal minerals.

Tract 2.  
T. 25 S., R. 33 W.,  
Sec. 11, N1/2. 320 acres

Located near Garden City, this is a one-half section upland tract adjacent to a State Game Preserve (KDWP Refuge) which supports a buffalo herd. This area is open to the regular Kansas hunting seasons subject to firearm restrictions. This portion of Kansas is known for excellent pheasant and quail hunting.

Tract 3.  
T. 24 S., R. 33 W.,  
Sec. 18, Lot 4. 35 acres

This tract is located one and one-half miles south of the town of Holcomb and provides potential habitat for the glossy snake, the longnose snake, and the eastern spotted skunk. All three are state-listed threatened species.

Tract 4.  
T. 26 S., R. 34 W.,  
Sec. 31, All. 640 acres

This section is located approximately 18 miles southwest of Garden City and contains wetlands. This section is a part of a tract of 2880 acres of contiguous Federal minerals.

These tracts are currently leased with STC. Should these tracts become available, Tracts 1 and 4 would be leased with ORA-2. In addition to ORA-2 on Tracts 1 and 4, Tract 2 would be re-offered with season of use restrictions (ORA-3) from November 1, through March 1. This would prevent oil and gas drilling activities from disrupting the upland game seasons of the State. Tracts 1 and 3 would also be subject to LN-1.

FRANKLIN COUNTY

T. 17 S., R. 20 E.,  
Sec. 4, E1/2SW1/4, SE1/4NE1/4. 120 acres

This tract is located approximately one mile east of the U.S. Interstate Highway 35 crossing of the Marais des Cygnes River outside of the city of Ottawa. The tract has been identified as possible habitat for the northern crawfish frog and the redbelly snake, a state-listed threatened species.

Should this tract be leased, LN-1 would apply.

GEARY COUNTY

T. 11 S., R. 5 E.,  
Sec. 22, Lot 6. 5.7 acres

This unleased tract is located within the floodplain of the Republican River between Fort Riley and Milford Reservoir. The surface of this public land tract is in the process of being patented to the KDWP. The KDWP has identified this tract as having valuable wildlife resources and has requested that no surface disturbing activities be allowed.

Should this tract be leased, ORA-1 and ORA-4 apply.

GOVE COUNTY

T. 15 S., R. 26 W.,  
Sec. 20, NE1/4SE1/4; 40 acres  
Sec. 21, W1/2NW1/4, NW1/4SW1/4. 120 acres  
Tract Total= 160 acres

This tract located on Sand Creek, a tributary of the Smoky Hill River, is composed of an unleased 40 acre portion and a leased 120 acre portion. The KDWP is the surface owner and has identified both portions as containing valuable habitat. The KDWP has requested that no surface disturbing activities be allowed.

Should section 20 be leased, ORA-4

applies. Should Section 21 become available, ORA-4 would also apply.

GREELEY COUNTY

Greeley County contains over 1,932 acres of split-estate minerals in 10 tracts. Four of the unleased tracts contain surface values which would require surface protection measures greater than STC.

Tract 1.  
T. 18 S., R. 41 W.,  
Sec. 11, NE1/4. 160 acres

This tract is located in the floodplain of White Woman Creek approximately two miles northwest of the town of Horace. This unleased tract contains wetlands formed by the creek.

Tract 2.  
T. 20 S., R. 42 W.,  
Sec. 23, NE1/4. 160 acres

This tract is located approximately 14 miles southwest of the town of Tribune. This unleased tract has been identified as containing wetlands by the USFWS's National Wetland Inventory (NWI).

Tract 3.  
T. 20 S., R 42 S.,  
Sec. 31, SE1/4. 160 acres

This unleased tract is located approximately 19 miles southwest of the town of Tribune on an unnamed intermittent stream. Wetlands are formed by the stream.

Tract 4.  
T. 20 S., R. 43 W.,  
Sec. 11, Lot 2, E1/2SW1/4. 132 acres

This tract located on the Colorado state line 18 miles southwest of the town of Tribune, contains wetlands formed by an intermittent stream.

Should these tracts be leased, ORA-1 applies to Tract 1, and ORA-2 applies to all tracts.

### HAMILTON COUNTY

Hamilton County contains over 8,041 acres of split-estate minerals in 27 tracts generally scattered across the south-central portion of the county.

Tract 1.  
T. 23 S., R. 42 W.,  
Sec. 28, Lot 5. 8.1 acres

Tract 2.  
T. 23 S., R. 42 W.,  
Sec. 34, Lot 1. 27.3 acres

Both tracts are located in the Arkansas River floodplain about four miles east of the town of Coolidge. The Arkansas River forms a wetland on these tracts and the river has been identified as state designated critical habitat for the flathead chub, listed by the KDWP as a threatened species. The USFWS recognizes the significance of the Arkansas River and its tributaries for numerous listed and candidate species. The surface of these public land tracts are in the process of being patented to the KDWP. The KDWP has identified these tracts as having valuable wildlife resources and has requested that no surface disturbing activities be allowed.

Tract 3.  
T. 24 S., R. 42 W.,  
Sec. 14, NE1/4, N1/2NW1/4, N1/2NE1/4.  
320 acres

This unleased tract is located approximately seven miles west of the town of Syracuse on an unnamed intermittent tributary of the Arkansas River about two miles above the confluence with the river. The tract contains wetlands formed by the stream and identified by the USFWS NWI.

Tract 4.  
T. 24 S., R. 40 W.,  
Sec. 20, Lot 1. 11 acres

This leased tract is located in the Arkansas River floodplain approximately

one mile downstream of the town of Syracuse. The river has been identified as state designated critical habitat for the flathead chub, listed as threatened by the KDWP. The surrounding area is considered potential habitat for the longnose snake, also listed as threatened by the KDWP. The surface of this public land tract is in the process of being patented to the KDWP. The KDWP has identified this tract as having valuable wildlife resources and has requested that no surface disturbing activities be allowed.

Tract 5.  
T. 24 S., R. 40 W.,  
Sec. 20, S1/2NW1/4. 80 acres

This leased upland tract is located approximately one mile south of the town of Syracuse. The tract has been identified by the KSNHP as possible habitat for the longnose snake, a state-listed threatened species.

Tract 6.  
T. 26 S., R. 41 W.,  
Sec. 2, Lots 3 and 4. 137 acres

Tract 6 is unleased split-estate minerals located on the headwaters of an unnamed tributary of North Bear Creek approximately 10 miles south of the town of Syracuse one-half mile west of U.S. Highway 270. The tract has been identified as a wetland by the USFWS's NWI.

Tract 7.  
T. 24 S., R. 41 W.,  
Sec. 22, N1/2. 320 acres

This tract is located approximately two miles south of the town of Syracuse and one mile east of U.S. Highway 270. This upland tract provides possible habitat for the longnose snake, a state-listed threatened species.

Tract 8.  
T. 21 S., R. 42 W.,  
Sec. 4, Lots 1 to 4, inclusive,  
S1/2NE1/4, S1/2NW1/4. 329 acres

This unleased tract identified as a wetland by the USFWS NWI is located approximately five miles east of the Colorado state line on the Greeley county line. The wetland is formed by the headwaters of an unnamed intermittent stream.

Should these tracts be leased, ORA-1 would apply to Tracts 1, 2 and Tract 4 should it become available for lease, ORA-2 applies to Tracts 1, 2, 3, 6 and 8. In addition, LN-1 would apply to Tracts 1, 2, 4, 5 and 7. ORA-4 would apply to Tracts 1 and 2 and should Tract 4 become available ORA-4 would also apply.

#### HASKELL COUNTY

All 3,288 acres of split-estate minerals within Haskell County are currently under lease. These Federal minerals are generally contained in five tracts located in the northwest corner of the county. Two of these tracts have been identified as containing wetlands.

Tract 1.  
T. 27 S., R. 34 W.,  
Sec. 12, All. 640 acres

This tract located six miles west of U.S. Highway 83 approximately 22 miles north of the town of Sublet contains a playa lake identified as a wetland by the USFWS NWI.

Tract 2.  
T. 27 S., R. 34 W.,  
Sec. 15, NE1/4. 160 acres

Located approximately eight miles west of U.S. Highway 83 and about 28 miles north of the town of Satanta, this tract contains a playa lake identified as a wetland by the USFWS NWI.

Should these tracts be leased, ORA-2 applies.

#### JACKSON COUNTY

Jackson County contains two tracts of split-estate minerals both unleased and containing wetlands.

Tract 1.  
T. 7 S., R. 14 E.,  
Sec. 14, SW1/4NE1/4, S1/2SE1/4NE1/4.  
60 acres

This tract is located on an unnamed tributary of Banner Creek approximately three miles southwest of the town of Holton. Tract 1 contains wetlands formed by the creek.

Tract 2.  
T. 6 S., R. 14 E.,  
Sec. 12, SE1/4SW1/4. 40 acres

This tract is located on the unnamed south fork of Straight Creek about five miles northwest of the town of Holton three miles west of U.S. Highway 75. A wetland and riparian area occur at this site.

Should these tracts be leased, ORA-2 applies.

#### JEFFERSON COUNTY

Tract 1.  
T. 11 S., R. 19 E.,  
Sec. 2, S1/2SE1/4; 80 acres  
Sec. 11, N1/2NE1/4. 80 acres  
Tract Total= 160 acres

This 160 acre tract of unleased split-estate minerals is located on Plum Creek approximately one and one-half miles above its confluence with Mud Creek, a tributary of the Kansas River. This tract contains a wetland formed by Plum Creek as well as riparian habitat.

Tract 2.

T. 11 S., R. 16 E.,  
Sec. 25, M&B; 34 acres  
Sec. 24, M&B. 40 acres  
Tract Total= 74 acres

This wetland tract located in the Kansas River floodplain is one-half mile south of the city of Shawnee. The Kansas River has been designated by the KDWP as critical habitat for the flathead chub, a state-listed threatened species.

Should these tracts be leased, ORA-2 applies to Tract 1. ORA-1, ORA-2 and LN-1 apply to Tract 2.

JEWELL COUNTY

T. 3 S., R. 6 W.,  
Sec. 14, W1/2NE1/4NW1/4, NW1/4NW1/4.  
62 acres

This tract of unleased minerals is located on Marsh Creek along U.S. Highway 36 approximately one mile east of the town of Formoso. This tract contains a wetland formed along Marsh Creek.

Should this tract be leased, ORA-2 applies.

JOHNSON COUNTY

T. 12 S., R. 22 E.,  
Sec. 35, W1/2W1/2SW1/4, SE1/4NE1/4,  
E1/2SW1/4. 160 acres

This tract is located along unnamed, intermittent tributaries of the Kansas River about 1 mile south of the town of Cedar and along the north side of Kansas State Highway 10. Wetlands are present on this tract. Upland woods on this tract may be habitat for the state-listed threatened northern redbelly snake.

Should this tract be leased, ORA-2 and LN-1 would apply.

KEARNY COUNTY

Located in the southwest part of the State, Kearny County contains over 18,853 acres of split-estate minerals within 37 tracts. Four of the tracts have been identified as possessing values requiring special considerations. The currently leased tracts and/or portions of tracts would require application of the necessary stipulations and notices should they terminate and be re-offered.

Tract 1.  
T. 22 S., R. 35 W.,  
Sec. 36, SE1/4. 160 acres  
This leased tract of minerals is located on the Amazon Ditch approximately seven miles north of the town of Deerfield. The USFWS NWI has identified this tract as containing a wetland.

Tract 2.  
T. 25 S., R. 38 W.,  
Sec. 31, NE1/4. 160 acres

Located approximately six miles due south of the town of Kendall, this unleased tract contains the headwaters of an unnamed intermittent stream identified by the USFWS NWI as being a wetland.

Tract 3.  
T. 22 S., R. 36 W.,  
Sec. 10, SE1/4 (unleased); 160 acres  
Sec. 14, NW1/4 (leased); 160 acres  
Sec. 15, SE1/4 (leased). 160 acres  
Tract Total= 480 acres

These three quarter sections form a contiguous tract of split-estate minerals located on James Draw, approximately 13 miles north of the town of Lakin and one mile east of Kansas State Highway 25. Each portion contains a wetland associated with James Draw.

Tract 4.  
T. 26 S., R. 37 W.,  
Sec. 10, All. 640 acres

This section of leased split-estate minerals is a portion of a 1600 acre tract located on State Highway 25 about 10 miles south of the town of Lakin. This section contains a portion of Bear Creek which forms a wetland.

Tract 5.  
T. 25 S, R. 37 W.,  
Sec. 30, Lots 3, 4, S1/2NE1/4,  
E1/2SW1/4 and SE1/4. 400 acres

This leased tract of minerals lies about six miles southeast of Kendall, Kansas. The surface of this public land tract is in the process of being patented to the KDWP. The KDWP has identified this tract as having valuable wildlife resources and has requested that no surface disturbing activities be allowed.

Tract 6.  
T. 24 S., R. 38 W.,  
Sec. 28, SE1/4NW1/4. 40 acres

This leased tract of minerals lies about 2.5 miles east of Kendall, Kansas, south of US Highway 50. The surface of this public land tract is in the process of being patented to the KDWP. The KDWP has identified this tract as having valuable wildlife resources and has requested that no surface disturbing activities be allowed.

Should all unleased tracts or unleased portions of tracts be leased, ORA-2 applies. ORA-2 would be applied to currently leased tracts or leased portions of tracts should those leases terminate and the lands be re-offered for lease. ORA-4 would apply to Tracts 5 and 6 should they become available.

#### KINGMAN COUNTY

T. 30 S., R. 5 W.,  
Sec. 6, Lot 2. 16.9 acres

This tract is located approximately three miles west of the town of Norwich and contains the headwaters of an unnamed intermittent stream.

Should this tract would be available for lease. ORA-2 applies.

#### LANE COUNTY

Lane County, situated in a region of the state with many playa lakes, contains approximately 1160 acres of split-estate minerals within ten tracts. Half of these have been identified as possessing values warranting protection greater than afforded by STC.

Tract 1.  
T. 16 S., R. 29 W.,  
Sec. 3, SE1/4SE1/4; 40 acres  
Sec. 10, NE1/4NE1/4. 40 acres  
Tract Total= 80 acres

This unleased tract lies along the west side of Kansas State Highway 23 approximately five miles north of its junction with Kansas State Highway 4. This tract contains wetlands formed by an unnamed intermittent tributary of Cheyenne Creek.

Tract 2.  
T. 16 S., R. 28 W.,  
Sec. 12, E1/2SE1/4. 80 acres

Tract 2, located approximately two miles northwest of the town of Pendennis, contains a perennial wetland associated with a reservoir constructed on an unnamed intermittent tributary of the Smoky Hill River.

Tract 3.  
T. 16 S., R. 27 W.,  
Sec. 4, S1/2SW1/4. 80 acres

This tract is located approximately three miles north of the town of Pendennis and contains wetlands formed

by the headwaters of an unnamed intermittent tributary of the Smoky Hill River.

Tract 4.  
T. 16 S., R. 28 W.,  
Sec. 11, SE1/4NW1/4, E1/2SW1/4.  
120 acres

This tract located approximately three miles northwest of the town of Pendennis, contains wetlands formed by the headwaters of two intermittent unnamed tributaries of the Smoky Hill River.

Tract 5.  
T. 16 S., R. 27 W.,  
Sec. 12, W1/2NE1/4, NW1/4, 240 acres

This leased tract located approximately four miles northeast of the town of Pendennis contains wetlands formed by an unnamed tributary of the Smoky Hill River.

Should tracts 1-4 be leased, ORA-2 applies. Should Tract 5 become available, ORA-2 would apply.

#### LEAVENWORTH COUNTY

Leavenworth County contains 446 acres of split-estate minerals in ten tracts scattered throughout the county. All split-estate tracts are unleased.

Tract 1.  
T. 8 S., R. 21 E.,  
Sec. 29, M&B. 47.6 acres

This tract is located approximately two miles southeast of the town of Easton, and contains wetlands formed by an unnamed tributary of Stranger Creek, a tributary of the Kansas River.

Tract 2.  
T. 9 S., R. 21 E.,  
Sec. 33, M&B. 58 acres

This tract is located in the floodplain of Stranger Creek approximately seven miles north of the town of Tonganoxie.

This tract contains wetlands associated with the creek.

Tract 3.  
T. 8 S., R. 24 E.,  
Sec. 24, PARCEL "1"; 9.4 acres  
Sec. 24, M&B. 33.4 acres  
Tract Total= 42.8 acres

This tract is located on the Missouri River within the City of Leavenworth north of U.S. Highway 73. The KDWP and USFWS have identified the Missouri River as endangered species habitat for several state and Federal SSS. These species include the pallid sturgeon (state and Federal endangered), flathead chub (state threatened), silverband shiner (state threatened), chestnut lamprey (state threatened) and the sicklefin chub (state endangered).

Tract 4.  
T. 12 S., R. 20 E.,  
Sec. 15, M&B, NE1/4SW1/4, NE1/4SE1/4.  
120 acres

Tract 4 lies between Union Pacific Railroad (U.S. Highway 40/24) and Interstate Highway 70, 8 miles west of the town of Linwood. The KSNHP has identified the area near this tract as having potential habitats for the western white-fringed prairie orchid and Mead's milkweed, both Federally listed as threatened species. A southeastern tallgrass prairie area known as Big Springs occurs within 3 miles of this tract.

Tract 5.  
T. 9 S., R. 20 E.,  
Sec. 2, N1/2SE1/4. 78 acres

This tract is approximately 2.5 miles north-northwest of the town of Springdale, adjacent to a paved county road. The KSNHP has identified this area as possible habitat for the redbelly snake, a species listed as threatened by the KDWP.

Should these tracts be leased, ORA-2 applies to Tracts 1 and 2, ORA-1 applies

to Tract 2. Tract 3 would not be available for lease due to its location within the Leavenworth city limits. LN-1 would apply to Tracts 4 and 5.

#### LINN COUNTY

Linn County contains approximately 484 acres of split-estate minerals within three tracts.

##### Tract 1.

T. 19 S., R. 24 E.,  
Sec. 19, Lot 4; 29 acres  
Sec. 30, Lots 1 and 3. 115 acres  
Tract Total= 144 acres

Tract 1 lies within the floodplain of the Marais des Cygnes River near its confluence with Middle Creek. A wetland occurs on this tract. The KSNHP and the KDWP have identified potential habitats for four state-listed threatened species on and in the vicinity of Tract 1. The broadhead skink, eastern newt, northern crawfish frog and redbelly snake have all been listed as threatened species by the KDWP.

##### Tract 2.

T. 22 S., R. 23 E.,  
Sec. 8, M&B; 60 acres  
Sec. 17, Lots 1, 2, E1/2NW1/4,  
W1/2NE1/4. 240 acres  
Tract Total= 300 acres

Tract 2 lies within the floodplain created by the confluence of Little Sugar Creek and the South Fork of Little Sugar Creek approximately four miles west of Mound City. The creeks form wetlands which provide riparian habitat. The KDWP has identified this tract as containing potential habitat for the state-listed threatened northern crawfish frog.

##### Tract 3.

T. 23 S., R. 23 E.,  
Sec. 15, NW1/4NE1/4. 40 acres

This tract located on Lost Creek approximately six miles south-southwest of Mound City contains wetlands formed

by the creek. The KDWP has identified this tract as containing potential habitat for the state-listed threatened northern crawfish frog.

Should these tracts be leased, ORA-1 applies to Tracts 1 and 2; ORA-2 applies to all. LN-1 would apply to all three tracts.

#### LOGAN COUNTY

Logan County contains eleven tracts of split-estate minerals totalling approximately 865 acres. Several of these tracts provide threatened species habitat or wetlands.

##### Tract 1.

T. 15 S., R. 32 W.,  
Sec. 1, NE1/4SW1/4. 40 acres

##### Tract 2.

T. 15 S., R. 32 W.,  
Sec. 11, S1/2SW1/4, W1/2SE1/4. 160 acres

These two tracts are located within one mile of each other on the same unnamed tributary of the Smoky Hill River approximately 24 miles due south of the town of Oakley. Tract 1 lies within the floodplain of the river and Tract 2 contains a wetland at the headwaters of the tributary.

##### Tract 3.

T. 13 S., R. 37 W.,  
Sec. 30, Lot 9; 1.1 acre  
Sec. 31, Lots 6 and 7. 23.8 acres  
T. 14 S., R. 37 W.,  
Sec. 26, SE1/4NE1/4. 40 acres  
T. 15 S., R. 37 W.,  
Sec. 8, N1/2NE1/4. 80 acres

These tracts are all located within the southwest corner of the county, an area designated by the KDWP as critical habitat for the western green toad, a state-listed threatened species. The portions of this tract described in Sections 30 and 31 are public land surface which is in the process of being patented to the KDWP. The KDWP has identified these lands in Sections 30

and 31 as having valuable wildlife resources and has requested that no surface disturbing activities be allowed.

Tract 4.  
T. 14 S., R. 32 W.,  
Sec. 14, SW1/4NW1/4. 40 acres

This tract is located about 19 miles south of Oakley, Kansas adjacent to U.S. Highway 83. The surface of this public land tract is in the process of being patented to the KDWP. The KDWP has identified this tract as having valuable wildlife resources and has requested that no surface disturbing activities be allowed.

Should these tracts be leased, ORA-1 applies to Tract 1, ORA-2 applies to Tract 2. LN-1 would apply to Tract 3 and ORA-4 would apply to Tract 4 and lands in Sections 30 and 31 of Tract 3.

#### MARSHALL COUNTY

Marshall County contains approximately 160 acres of split-estate minerals located in three unleased tracts, two of which possess surface resource values in need of greater than STC should they be leased.

Tract 1.  
T. 2 S., R. 6 E.,  
Sec. 1, Lot 1. 39 acres

This tract is located in the floodplain of an unnamed tributary of Horseshoe Creek about four miles northwest of the town of Marysville.

Tract 2.  
T. 3 S., R. 10 E.,  
Sec. 11, NW1/4SW1/4. 40 acres

This tract is located on an unnamed tributary of the North Fork of the Black Vermillion River, five miles north of the town of Vermillion, and contains wetlands.

Should these tracts be leased, ORA-1 applies to Tract 1, ORA-2 applies to Tract 2.

#### MEADE COUNTY

Meade County contains fifteen tracts with over 1,512 acres of split-estate minerals scattered over the southern half of the county.

Tract 1.  
T. 31 S., R. 26 W.,  
Sec. 25, Lots 5 and 6. 17.4 acres

Tract 1 lies on Gyp Creek approximately 12 miles east of the town of Meade and two miles north of U.S. Highway 160. Gyp Creek forms a wetland at this location. The KDWP has identified this tract as containing habitat suitable for the state-listed threatened eastern hognose snake and checkered garter snake.

Tract 2.  
T. 33 S., R. 29 W.,  
Sec. 3, E1/2SW1/4; 80 acres  
Sec. 10, W1/2NE1/4, E1/2NW1/4. 160 acres  
Tract Total= 240 acres

Tract 2 consists of a leased portion in section 3 and an unleased portion in section 10. This tract is located eight miles southwest of the town of Meade on an unnamed tributary of a state lake. Both parcels contain wetlands formed by the stream. Tract two has been identified by the KSNHP and the KDWP as possible habitat for five state-listed threatened species, the longnose snake, the Texas blind snake, the eastern hognose snake, checkered garter snake and the Arkansas darter.

Tract 3.  
T. 34 S., R. 27 W.,  
Sec. 15, S1/2SE1/4; 80 acres  
Sec. 22, NE1/4, N1/2SE1/4. 240 acres  
Tract Total= 320 acres

This unleased tract is located on an unnamed tributary of Crooked Creek approximately 14 miles south of the town



creek's confluence near the town of Beloit. Wetlands occur on this tract as well as riparian habitat.

Should this tract be leased, ORA-2 applies.

#### MORRIS COUNTY

T. 14 S., R. 6 E.,  
Sec. 4, W1/2SW1/4; 80 acres  
Sec. 5, Lots 3, 4, SW1/4NE1/4,  
S1/2NW1/4, W1/2SE1/4, SE1/4SE1/4.  
362 acres  
Tract Total= 442 acres

This tract lies in the floodplain of Clark's Creek in the community of Skiddy approximately three miles east of U.S. Highway 77. Wetlands are formed by the creek on this tract.

Should this tract be leased, ORA-1 and 2 apply.

#### NORTON COUNTY

T. 4 S., R. 21 W.,  
Sec. 7, W1/2SW1/4; 160 acres  
Sec. 18, N1/2N1/2. 158 acres  
Tract Total= 318 acres

These tracts together with an adjoining 80 acres are an unleased tract located on an unnamed tributary to Big Dutchman Lake. Wetlands occur on this tract formed by the stream.

Should this tract be leased, ORA-2 applies.

#### OSAGE

T. 16 S., R. 15 E.,  
Sec. 11, Lot 1, E1/2NW1/4. 110 acres

This tract is adjacent to and may be partially contained within the boundary of Pomona Lake (5 miles east and 3 miles north of Osage City). Pomona Lake and an unnamed tributary of Coyote Creek have contributed to the presence of a floodplain and wetland habitats on this tract.

Should this tract be leased, ORA-1 and ORA-2 would apply.

#### PHILLIPS COUNTY

T. 1 S., R. 17 W.,  
Sec. 8, N1/2E1/4, S1/2SW1/4NE1/4.  
100 acres

Located one mile south of Nebraska and three miles east of U.S. Highway 183, this tract sits on an unnamed tributary of Crystal Creek. Wetlands occur on this tract.

Should this tract be leased, ORA-2 applies.

#### REPUBLIC COUNTY

T. 2 S., R. 5 W.,  
Sec. 12, W1/2SE1/4, SE1/4SE1/4.  
110 acres

This unleased tract lies in the floodplain of the Republican River two miles south of the town of Republic.

Should this tract be leased, ORA-1 applies.

#### RILEY COUNTY

Tract 1.  
T. 10 S., R. 7 E.,  
Sec. 15, N1/2SW1/4. 80 acres

This unleased tract lies on the head waters of an unnamed tributary of Wildcat Creek one mile west of the City of Manhattan. The tract is located in the floodplain of the creek and wetlands occur at this site.

Tract 2.  
T. 11 S., R. 6 E.,  
Sec. 13, M&B; 50 acres  
T. 11 S., R. 7 E.,  
Sec. 18, M&B. 27 acres  
Tract Total= 77 acres

This unleased tract is located in the floodplain of the Republican River one mile south of the town of Ogden and is

adjacent to Fort Riley. The river forms a wetland at this location. The surface of this public land tract is in the process of being patented to the KDWP. The KDWP has identified this tract as having valuable wildlife resources and has requested that no surface disturbing activities be allowed.

If leased, ORA-1 and ORA-2 apply to both. ORA-4 would apply to Tract 2.

#### SALINE COUNTY

T. 15 S., R. 3 W.,  
Sec. 19, M&B (Leased). 121 acres

T. 15 S., R. 4 W.,  
Sec. 24, M&B (Unleased). 100 acres  
Tract Total= 221 acres

These adjoining tracts are located on the Missouri Pacific Railroad right-of-way along an unnamed creek near the town of Smolan. The creek forms wetlands which encompass both tracts.

ORA-2 would apply to both the unleased parcel and the leased parcel.

#### SCOTT COUNTY

Scott County contains 540 acres of split-estate minerals within five tracts, two of which possess surface values needing protection greater than provided by STC.

Tract 1.  
T. 20 S., R. 31 W.,  
Sec. 20, NE1/4, N1/2SW1/4. 240 acres

This tract lies approximately 14 miles south-southeast of Scott City, and seven miles east of U.S. Highway 83. This area of Kansas contains numerous intermittent (playa) lakes which are important for migrating waterfowl during the fall and spring. This tract lies within a playa lake. A portion of the NWNE is upland. This tract is unleased.

Tract 2.  
T. 16 S., R. 33 W.,  
Sec. 24, NW1/4NW1/4. 40 acres

Located 12 miles north of Scott City, Tract 2 is adjacent to state designated critical habitat for the Scott riffle beetle, a species classified as threatened by the KDWP.

Should these tracts be leased, ORA-1 and ORA-2 apply to Tract 1. ORA-3 applies to Tract 1. A season of use restriction from October 15, through March 1, would minimize oil and gas drilling activities on the uplands. LN-1 would apply to Tract 2.

#### SEWARD COUNTY

Seward County contains over 1,063 acres in 20 tracts over half of which are leased. Several tracts within the county provide habitat or contain surface resources worthy of additional protection.

Tract 1.  
T. 33 S., R. 32 W.,  
Sec. 25, SW1/4SW1/4; 40 acres  
Sec. 26, SE1/4SE1/4. 40 acres  
Tract Total= 80 acres

This tract is located 10 miles northeast of the city of Liberal on U.S. Highway 54, and adjacent to the Cimarron River which has been designated by the KDWP as critical habitat for the state-listed threatened species, Arkansas darter, and the state-listed endangered Arkansas river shiner. The state-listed threatened species, the flathead chub is also known to occur in the Cimarron river.

Tract 2.  
T, 34 S., R. 31 W.,  
Sec. 7, Lot 2, SE1/4NW1/4. 78 acres

This leased tract of split-estate minerals is located on the headwaters of an unnamed tributary of the Cimarron River about nine miles northeast of the city of Liberal. A wetland formed by the tributary occurs at this location.

Tract 3.  
T. 33 S., R. 32 W.,  
Sec. 35, SE1/4SW1/4, SW1/4SE1/4;  
NW1/4NW1/4. 120 acres

These unleased tracts within the same section possibly contain habitat for the longnose snake, a state-listed threatened species. This section is located six miles southwest of the town of Kismet on U.S. Highway 54.

Tract 4.  
T. 31 S., R. 34 W.,  
Sec. 21, NE1/4NW1/4. 40 acres

This leased tract located in the Cimarron River floodplain three miles south of the point where U.S. Highway 56 crosses the river, contains a wetland. The river has been designated critical habitat by the state of Kansas for the Arkansas darter, a state-listed threatened species.

Tract 5.  
T. 33 S., R. 31 W.,  
Sec. 32, NE1/4NE1/4, SE1/4SE1/4.  
80 acres

These leased tracts are located four miles south of the town of Kismet and are situated on the headwaters of an unnamed intermittent tributary of the Cimarron River. Both parcels have been classified as floodplains and contain wetlands.

Tract 6.  
T. 35 S., R. 31 W.,  
Sec. 9, W1/2NE1/4. 80 acres

Tract 6 lies 11.5 miles east of Liberal, Kansas. The surface of this public land tract is being transferred to the KDWP. The KDWP has identified this tract as having valuable wildlife resources and has requested that no surface disturbing activities be allowed.

Should these tracts be leased, ORA-1 would apply to Tracts 3, 4, and 5. ORA-2 would apply to Tracts 2-5. LN-1 would apply to Tracts 1, 3, and 4 and ORA-4

would apply to Tract 6.

#### SMITH COUNTY

T. 2 S., R. 11 W.,  
Sec. 14, SW1/4. 160 acres

This unleased tract is located on White Rock Creek and along U.S. Highway 281 approximately four miles north of the town of Lebanon. Wetlands and riparian areas occur on this tract. Should this tract be leased, ORA-2 would apply.

#### STANTON COUNTY

T. 29 S., R. 43 W.,  
Sec. 15, SE1/4SW1/4. 40 acres

Located six miles west of the town of Manter and three miles north of U.S. Highway 160, this unleased tract contains wetlands formed by Bear Creek, an intermittent stream.

Should this tract be leased, ORA-2 would apply.

#### WABAUNSEE COUNTY

T. 10 S., R. 10 E.,  
Sec. 10, Lot 11; 1.3 acres  
Sec. 15, Lot 13. 3.7 acres  
Tract Total= 5.0 acres

This tract is located in the floodplain of the Kansas River about one-half mile east of the point where Kansas State Highway 99 crosses the river. The Kansas River, in the area of this tract, has been identified as providing habitat for the bald eagle, a Federally listed threatened species. This tract contains wetland areas.

Should this tract be leased, ORA-1, ORA-2 and LN-1 apply.

### WALLACE COUNTY

Wallace County contains over 989 acres of split-estate minerals in six unleased tracts. Half of these tracts possess surface values or resources which would require protection greater than provided by STC should they be leased.

Tract 1.

T. 11 S., R. 40 W.,  
Sec. 20, E1/2NE1/4, W1/2. 400 acres

Located approximately two miles west of Kansas State Highway 27 and 13 miles north of the town of Sharon Springs, this tract contains wetlands formed by an unnamed intermittent tributary of Turkey Creek.

Tract 2.

T. 15 S., R. 38 W.,  
Sec. 32, SE1/4. 160 acres

Tract 2, located approximately 16 miles southeast of the town of Sharon Springs, lies in the southeast quarter of the county, an area designated by the KDWP as critical habitat for the western green toad a state-listed threatened species.

Tract 3.

T. 11 S., R. 43 W.,  
Sec. 12, NE1/4. 160 acres

Located approximately 21 miles northwest of the town of Sharon Springs, nearly on the Colorado state line, Tract 3 contains a wetland formed by an unnamed intermittent tributary of the North Fork of the Smoky Hill River.

Should these tracts be leased, ORA-2 would apply to Tracts 1 and 3. LN-1 would apply to Tract 1.

### WASHINGTON COUNTY

T. 1 S., R. 1 E.,  
Sec. 11, SE1/4. 160 acres

This unleased tract is located on the headwaters of an unnamed tributary of Bowman Creek, approximately three miles

east of the town of Mahaska one and one-half miles south of Nebraska. Wetlands occur on this tract.

Should this tract be leased, ORA-2 would apply.

### WICHITA COUNTY

T. 16 S., R. 37 W.,  
Sec. 24, S1/2. 320 acres

This unleased tract is located along Kansas State Highway 25 ten miles north of the town of Leoti, on an unnamed intermittent tributary of Ladder Creek. Wetlands have been identified as occurring on this tract.

Should this tract be leased, ORA-2 would apply.



# PLAN IMPLEMENTATION AND MONITORING

## Implementing The Plan

The approved Kansas RMP provides the framework and guidelines for making specific management decisions for the planning area for the next 15 years. Implementation of the management decisions contained within the Kansas RMP is considered complete with RMP approval. All future resource management authorizations and actions, including budget proposals, will conform with the Approved Kansas RMP.

## Monitoring The Plan

Monitoring provides a record of the progress made in implementing the RMP. This monitoring record contains information for use in evaluating the Plans effectiveness and usefulness in the management of public resources. Plan monitoring will be performed by periodic managerial review to ensure that all land-use management decisions conform to the Plan and to the established guidelines. On-the-ground actions resulting from management decisions will be monitored by agency personnel to establish how effective the management measures are at minimizing environmental impacts. Where such management measures are found to be ineffective through monitoring, these measures will be revised through the RMP amendment process.

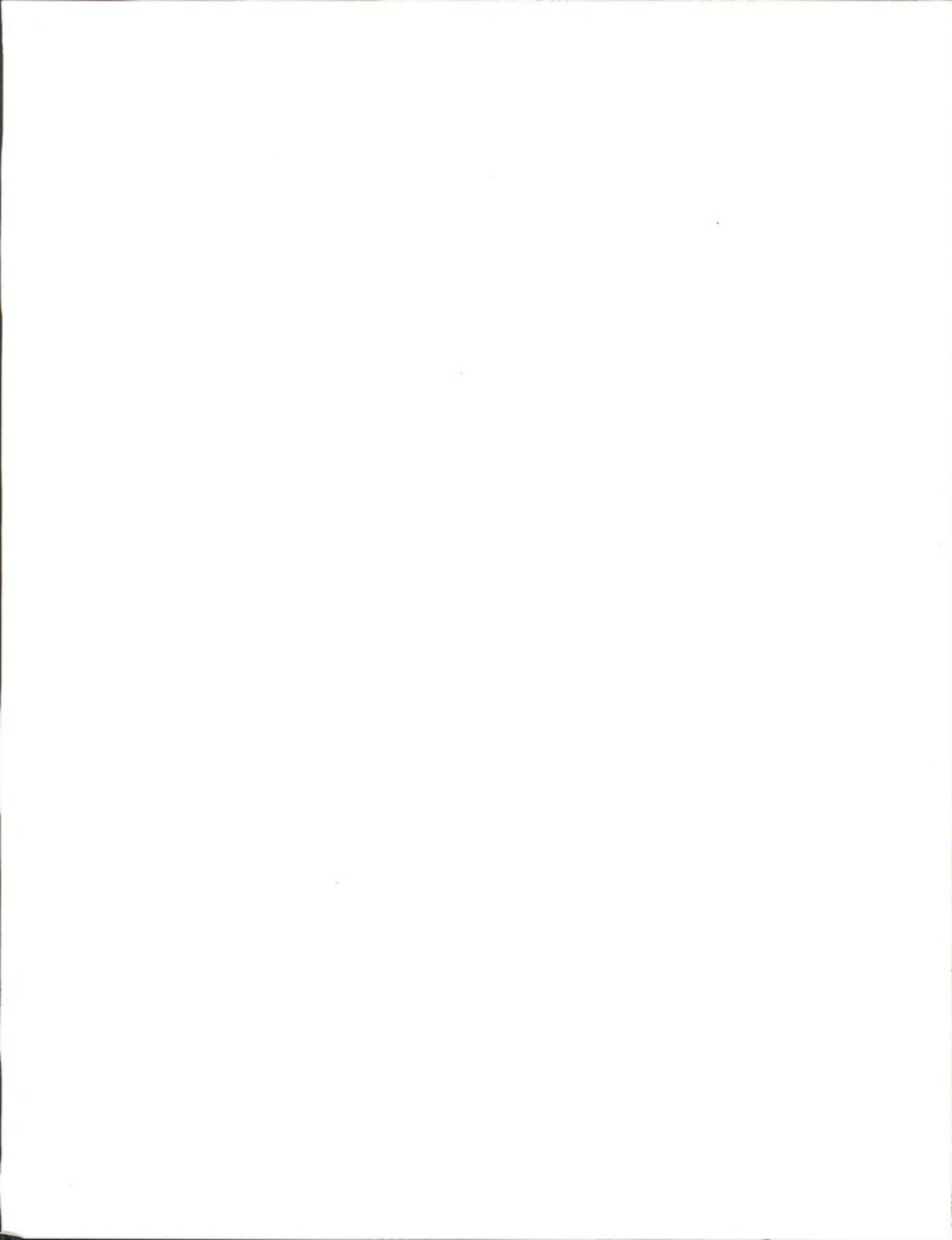
## Changing The Plan

The Plan may be changed, if necessary through amendment. Monitoring and evaluation findings, new data, and new or revised policies will be evaluated to determine if there is a need for an amendment. Any change in circumstances or conditions which affect the scope, terms, or conditions of the RMP may warrant an amendment. In all cases, a proposed action that does not conform to the RMP, or was not addressed by the RMP and warrants further consideration before an RMP revision is scheduled would require an amendment. Generally an RMP amendment is site specific or involves only one planning issue.

A plan revision, if necessary would involve the preparation of a new RMP for the entire planning area.

## Public Involvement

Public opinion, input and involvement has been sought throughout the planning and decision making process. Public participation was documented in detail in Chapter 5 of the Proposed RMP/FEIS. An annual RMP summary document will be prepared to inform the public of the progress made in plan implementation. This summary will also describe the results of monitoring and evaluation of the effectiveness of the RMP decisions concerning protection of the environment. All persons on the RMP mailing list will be sent copies of the RMP summary documents.



## APPENDICES



APPENDIX 1  
KANSAS SPLIT ESTATE

Unleased Split Estate.....1-1

Leased Split Estate.....1-7



KANSAS SPLIT ESTATE (UNLEASED)

COUNTY	TOWN	RNG	SN	SUBDIVISION	ACREAGE	MINRL	COUNTY	TOWN	RNG	SN	SUBDIVISION	ACREAGE	MINRL
	SHIP							SHIP					
** COUNTY ALLEN													
ALLEN	25S	18E	10	SE1/4	160.000	ACQ	CHEYENNE	1S	40W	5	LOT1-4, S1/2S1/2, N1/2N1/2, SWSW, S1/2SE	604.760	ALL
** Subtotal **					160.000		CHEYENNE	1S	40W	6	ALL	610.880	ALL
** COUNTY ATCHISON							CHEYENNE	1S	40W	7	LOT1, 2, NE1/4, SENW, E1/2SW, SE1/4	465.100	ALL
ATCHISON	6CS	17E	36	NW1/4	80.000	ACQ	CHEYENNE	1S	40W	8	N1/2NW1/4, NWSW	120.000	ALL
** Subtotal **					80.000		CHEYENNE	1S	40W	9	S1/2NE, E1/2NW, SE1/4	320.000	ALL
** COUNTY BARBER							CHEYENNE	1S	41W	1	SW1/4	160.000	ALL
BARBER	33S	15W	8	SESE	40.000	ALL	CHEYENNE	1S	41W	11	N1/2, NESE	360.000	ALL
BARBER	35S	14W	3	SWW	40.000	AG	CHEYENNE	1S	41W	12	NHW	40.000	ALL
** Subtotal **					80.000		CHEYENNE	1S	41W	14	NHW	40.000	ALL
** COUNTY BOURBON							CHEYENNE	1S	41W	4	S1/2SW1/4	80.000	ALL
BOURBON	24S	24E	30	E1/2SE1/4	80.000	ACQ	CHEYENNE	1S	41W	5	LOT 2	41.430	ALL
BOURBON	26S	24E	4	NWSW, N1/2SW1/4SW1/4	60.000	ACQ	CHEYENNE	1S	41W	9	NHW	40.000	AG
BOURBON	26S	24E	5	SE1/4	160.000	ACQ	CHEYENNE	1S	41W	9	NE1/4	160.000	ALL
** Subtotal **					300.000		CHEYENNE	1S	42W	22	SW1/4	160.000	ALL
** COUNTY BROWN							CHEYENNE	1S	42W	26	SW1/4, N1/2SE1/4	240.000	ALL
BROWN	2S	17E	5	S1/2NW1/4	80.000	ACQ	CHEYENNE	1S	42W	27	N1/2NW, SWSW, SENE, E1/2SE	240.000	ALL
BROWN	4S	16E	19	N1/2NW1/4	80.000	ALL	CHEYENNE	1S	42W	28	E1/2NE, S1/2SE, NESE	200.000	ALL
** Subtotal **					160.000		CHEYENNE	1S	42W	29	LOT 1	44.400	ALL
** COUNTY CHAUTAUQU							CHEYENNE	1S	42W	34	E1/2NE, SWNE, NWNW	160.000	ALL
CHAUTAUQU	35S	12E	7	S1/2NE1/4	80.000	ACQ	CHEYENNE	2S	37W	5	LOT 2, NESE	80.270	ALL
** Subtotal **					80.000		CHEYENNE	2S	38W	16	NE1/4	160.000	ACQ
** COUNTY CHEYENNE							CHEYENNE	2S	38W	4	S1/2SW1/4, E1/2SE1/4	160.000	ALL
CHEYENNE	1S	37W	16	NE1/4, E1/2SE1/4	240.000	ACQ	CHEYENNE	2S	38W	8	S1/2NW, N1/2SW	160.000	ACQ
CHEYENNE	1S	37W	4	NESE	40.000	ALL	CHEYENNE	2S	38W	9	S1/2NW1/4, SW1/4	240.000	ACQ
CHEYENNE	1S	38W	18	LOT 2, 3, SENW, NESW	167.720	ACQ	CHEYENNE	2S	39W	10	NW1/4	160.000	ACQ
CHEYENNE	1S	38W	28	N1/2SW1/4	80.000	ALL	CHEYENNE	2S	39W	16	ALL	640.000	ACQ
CHEYENNE	1S	39W	30	LOTS 1, 2, E1/2NW1/4	157.580	ACQ	CHEYENNE	2S	39W	27	N1/2, SE1/4	480.000	ACQ
CHEYENNE	1S	39W	4	SENW, NESW	80.000	ALL	CHEYENNE	2S	40W	2	SWNE, SENW, SESW, N1/2SE	200.000	ALL
CHEYENNE	1S	39W	5	SW1/4, N1/2SE1/4	240.000	ALL	CHEYENNE	2S	40W	34	SE1/4	160.000	ALL
CHEYENNE	1S	39W	6	NESE, E1/2SE1/4	120.000	ALL	CHEYENNE	2S	41W	11	SESE	40.000	ALL
CHEYENNE	1S	39W	7	LOT 2	36.030	ALL	CHEYENNE	2S	41W	25	NE1/4	160.000	ACQ
CHEYENNE	1S	40W	1	E1/2SESWSE	120.000	ALL	CHEYENNE	2S	42W	10	SWNW	40.000	ALL
CHEYENNE	1S	40W	10	SW, N1/2NE1/4	240.000	ALL	CHEYENNE	2S	42W	9	SENE, N1/2SE	120.000	ALL
CHEYENNE	1S	40W	11	NE1/4, E1/2NWSW	360.000	ALL	CHEYENNE	4S	41W	21	SE1/4, SESW	200.000	ALL
CHEYENNE	1S	40W	12	NE1/4, N1/2NW1/4, SENW	280.000	ALL	CHEYENNE	4S	41W	28	N1/2NE1/4	80.000	ALL
CHEYENNE	1S	40W	2	SESW, SE1/4	200.000	ALL	CHEYENNE	4S	41W	35	SE1/4	160.000	ALL
CHEYENNE	1S	40W	3	LOT1, 2, SWSE, E1/2SW, N1/2SE	283.300	ALL	CHEYENNE	4S	42W	16	LOT 2	22.240	ALL
CHEYENNE	1S	40W	30	E1/2NE1/4, NWSE	120.000	ALL	CHEYENNE	4S	42W	21	LOTS 1, 2	22.240	ALL
CHEYENNE	1S	40W	34	NENE	40.000	ALL	CHEYENNE	4S	42W	22	SW1/4	160.000	ACQ
CHEYENNE	1S	40W	4	E1/2	322.630	ALL	CHEYENNE	4S	42W	27	N1/2NW1/4	80.000	ACQ
							CHEYENNE	5S	42W	5	LOTS 5, 6	9.100	ALL
							** Subtotal **					10,737.980	
							** COUNTY CLARK						
							CLARK	31S	23W	27	SWNE	40.000	ALL
							CLARK	32S	23W	18	NHW	40.000	AG
							CLARK	32S	24W	11	NWSE	40.000	AG
							CLARK	32S	24W	23	SWSE	40.000	AG
							CLARK	33S	21W	2	LOTS 3, 4, S1/2NW1/4	158.650	ACQ
							CLARK	34S	24W	7	SWSE	40.000	AG

KANSAS SPLIT ESTATE (UNLEASED)

COUNTY	TOWN	RNG	SN	SUBDIVISION	ACREAGE	MINRL	COUNTY	TOWN	RNG	SN	SUBDIVISION	ACREAGE	MINRL	
CLARK	SHIP	35S	25W	5 LOT 2	18.3000AG									
** Subtotal **						376.950	** COUNTY EDWARDS							
** COUNTY CLAY							EDWARDS	26S	14W	28	LOTS 5,6	11.2600AG		
CLAY	6S	4E	17	E1/2	318.000ACQ		EDWARDS	26S	20W	32	SWSE	40.000ALL		
CLAY	7S	4E	10	W1/2HW1/4	80.000ACQ		** Subtotal **						51.260	
CLAY	7S	4E	7	WE1/4	159.000ACQ		** COUNTY ELLIS							
** Subtotal **						557.000	ELLIS	11S	20W	22	SESW	40.0000AG		
** COUNTY CLOUD							** Subtotal **						40.000	
CLOUD	8S	4W	2	HW1/4	161.040ACQ		** COUNTY FINNEY							
** Subtotal **						161.040	FINNEY	25S	34W	6	LOTS 6,7,W1/2SW,SE1/4	320.520ALL		
** COUNTY COMANCHE							FINNEY	25S	34W	18	ALL	641.280ALL		
COMANCHE	34S	16W	8	HWSW	40.000ALLPO		FINNEY	26S	33W	5	LOTS2,3,NESW,NWSE	281.330ALL		
COMANCHE	34S	16W	8	SEHW	40.000ALLPO		** Subtotal **						1,243.130	
COMANCHE	34S	17W	11	SESE	40.0000AG		** COUNTY FRANKLIN							
** Subtotal **						120.000	FRANKLIN	17S	20E	4	E1/2SW1/4, SEHW	120.000ACQ		
** COUNTY COWLEY							FRANKLIN	19S	23E	24	SESE	40.000ACQ		
COWLEY	34S	3E	7	LOT 1	0.380ALLPO		FRANKLIN	19S	23E	25	METES AND BOUNDS	30.000ACQ		
** Subtotal **						0.380	** Subtotal **						190.000	
** COUNTY DECATUR							** COUNTY GEARY							
DECATUR	1S	27W	23	E1/2E1/2	160.000ACQ		GEARY	11S	5E	22	LOT 6	5.700ALLPO		
DECATUR	1S	29W	1	SWSE	40.000ALLPO		GEARY	11S	6E	34	TRACT38	212.850ALL		
DECATUR	2S	28W	9	W1/2SW1/4	80.000ALL		GEARY	12S	4E	12	S1/2SW1/4,NESW	120.000ACQ		
DECATUR	2S	28W	8	SW1/4	160.000ALL		** Subtotal **						338.550	
DECATUR	4S	27W	31	SENE	40.000ALL		** COUNTY GOVE							
DECATUR	4S	30W	33	WE1/4,E1/2SE,E1/2NW	320.000ACQ		GOVE	14S	26W	24	SWW,NWSW	80.000ALL		
** Subtotal **						800.000	GOVE	15S	26W	13	SESW	40.0000AG		
** COUNTY DONIPHAN							GOVE	15S	26W	20	NESE	40.000ALL		
DONIPHAN	2S	19E	24	LOT 7	3.680ALLPO		GOVE	15S	27W	34	W1/2SW	80.000ALL		
** Subtotal **						3.680	GOVE	15S	28W	10	SWSW	40.000ALL		
** COUNTY DOUGLAS							GOVE	15S	28W	31	SWNE,SWSE	80.000ALL		
DOUGLAS	13S	18E	1	LOTS 1,2,S1/2NE1/4	158.490ACQ		GOVE	15S	28W	32	NWNE,SESW	80.0000AG		
DOUGLAS	13S	18E	23	S1/2S1/2HW1/4,E1/2SW1/4	70.000ACQ		GOVE	15S	30W	19	E1/2SW,W1/2SE	160.000ALL		
DOUGLAS	13S	18E	26	METES AND BOUNDS	145.000ACQ		GOVE	15S	30W	30	NWNE,NEHW	80.000ALL		
DOUGLAS	13S	19E	6	METES AND BOUNDS	60.000ACQ		** Subtotal **						800.000	
DOUGLAS	13S	20E	7	METES AND BOUNDS	18.610ALL		** COUNTY GRANT							
DOUGLAS	14S	20E	26	E1/2NE1/4	80.000ACQ		GRANT	30S	37W	19	NE1/4	160.000ACQ		
** Subtotal **						532.100	** Subtotal **						160.000	

KANSAS SPLIT ESTATE (UNLEASED)

COUNTY	TOWN	RNG	SN	SUBDIVISION	SWIP	ACREAGE	HTHRL	COUNTY	TOWN	RNG	SN	SUBDIVISION	SWIP	ACREAGE	HTHRL	
<b>** COUNTY GREELEY</b>																
GREELEY	18S	41W	11	NE1/4		160.000ACQ		JEFFERSON	8S	20E	24	N1/2SE1/4		80.000ACQ		
GREELEY	18S	41W	3	SE1/4		160.000ACQ		JEFFERSON	9S	20E	2	N1/2SE1/4		78.000ACQ		
GREELEY	19S	43W	2	LOT 4		40.1500AG		<b>** Subtotal **</b>								627.460
GREELEY	20S	40W	19	SE1/4		160.000ALL		<b>** COUNTY JEWELL</b>								
GREELEY	20S	40W	35	NE1/4		160.000ALL		JEWELL	3S	6W	14	N1/2NEW,HNW		62.500ACQ		
GREELEY	20S	42W	23	NE1/4		160.000ALL		<b>** Subtotal **</b>								62.500
GREELEY	20S	42W	31	SE1/4		160.000ALL		<b>** COUNTY KEARNY</b>								
GREELEY	20S	42W	34	NW1/4		160.000ALL		KEARNY	22S	36W	10	SE1/4		160.000ACQ		
GREELEY	20S	43W	11	LOT 2,E1/2SW1/4		132.630ALL		KEARNY	22S	36W	9	SW1/4		160.000ACQ		
GREELEY	20S	43W	12	SW1/4		160.000ALL		KEARNY	25S	35W	17	S1/2		320.000ALL		
<b>** Subtotal **</b>																1,452.780
<b>** COUNTY HAMILTON</b>																
HAMILTON	21S	42W	4	LOTS 1-4,S1/2NE,S1/2NW		329.660ACQ		KEARNY	25S	35W	18	E1/2SW1/4, SE1/4		200.000ALL		
HAMILTON	22S	39W	7	NE1/4		160.000ALL		KEARNY	25S	35W	34	N1/2		320.000ALL		
HAMILTON	22S	42W	30	LOTS 1-4,NE1/4,E1/2E1/2		459.080ALL		KEARNY	25S	38W	31	NE1/4		160.000ACQ		
HAMILTON	23S	42W	28	LOT 5		8.100ALLPO		KEARNY	26S	35W	27	SE1/4		160.000ALL		
HAMILTON	23S	42W	34	LOT 1		27.3200AG		KEARNY	26S	35W	5	LOTS 1,2		193.160ALL		
HAMILTON	24S	41W	22	N1/2		320.000ALL		KEARNY	26S	36W	18	ALL		658.000ALL		
HAMILTON	24S	42W	10	N1/2		320.000ALL		KEARNY	26S	36W	20	S1/2		320.000ALL		
HAMILTON	24S	42W	12	ALL		640.000ALL		KEARNY	26S	36W	21	S1/2		320.000ALL		
HAMILTON	24S	42W	14	NE1/4,N1/2NW,N1/2NE		320.000ALL		KEARNY	26S	36W	27	N1/2		320.000ALL		
HAMILTON	24S	42W	18	S1/2SE1/4		80.000ALL		KEARNY	26S	37W	11	ALL		640.000ALL		
HAMILTON	24S	42W	4	N1/2,SE1/4		479.680ALL		<b>** Subtotal **</b>								3,931.160
HAMILTON	24S	43W	2	LOTS 1,2,S1/2NE		179.200ALL		<b>** COUNTY KINGMAN</b>								
HAMILTON	25S	39W	12	S1/2		320.000ALL		KINGMAN	30S	5W	6	LOT 2		16.1900AG		
HAMILTON	25S	39W	8	S1/2		320.000ALL		<b>** Subtotal **</b>								16.190
HAMILTON	25S	40W	2	N1/2		318.960ALL		<b>** COUNTY LANE</b>								
HAMILTON	25S	41W	20	SW1/4		160.000ALL		LANE	16S	27W	1	S1/2SW1/4		80.000ALL		
HAMILTON	26S	41W	2	LOTS 3,4		137.980ALL		LANE	16S	27W	4	S1/2SW1/4		80.000ALL		
HAMILTON	26S	41W	6	LOT 5		33.800ALL		LANE	16S	27W	5	N1/2SW1/4		80.000ALL		
HAMILTON	26S	42W	2	SNW		40.000ALL		LANE	16S	28W	11	SEW,E1/2SW1/4		120.000ALL		
HAMILTON	26S	42W	3	LOT 2		59.4100AG		LANE	16S	28W	12	E1/2SE1/4		80.000ALL		
HAMILTON	26S	43W	3	SWNE		40.000ALL		LANE	16S	28W	14	NENE,S1/2SW1/4		120.000ALL		
<b>** Subtotal **</b>																4,753.190
<b>** COUNTY JACKSON</b>																
JACKSON	6S	14E	12	SESW		40.000ACQ		LANE	16S	28W	27	E1/2NE,NW1/4		240.000ALL		
JACKSON	7S	14E	14	SWNE,S1/2SENE		60.000ACQ		LANE	16S	29W	10	NENE		40.000ALL		
JACKSON	7S	15E	27	NETES AND BOUNDS		95.000ACQ		LANE	16S	29W	3	SESE		40.000ALL		
<b>** Subtotal **</b>																195.000
<b>** COUNTY JEFFERSON</b>																
JEFFERSON	11S	17E	36	N1/2SE1/4		80.000ACQ		LANE	19S	27W	2	LOT 2		40.0800AG		
JEFFERSON	11S	19E	11	N1/2NE1/4		80.000ACQ		<b>** Subtotal **</b>								920.080
JEFFERSON	11S	19E	2	S1/2SE1/4		80.000ACQ		<b>** COUNTY LEAVENWORTH</b>								
JEFFERSON	12S	17E	1	WYNE		39.460ACQ		LEAVENWORTH	11S	22E	9	E1/2E1/2SW1/4		19.790ACQ		
JEFFERSON	12S	20E	15	SE1/2SEW,NESW,NESE		110.000ACQ		LEAVENWORTH	12S	22E	35	N1/2N1/2SW,SEW,E1/2SW1/4		160.000ACQ		
JEFFERSON	8S	18E	10	N1/2NW1/4		80.000ACQ		LEAVENWORTH	8S	21E	29	NETES AND BOUNDS		47.680ACQ		
																9.440ALL
																33.400ALLPO

KANSAS SPLIT ESTATE (UNLEASED)

COUNTY	TOWN	RNG	SN	SUBDIVISION	ACREAGE	MINRL	COUNTY	TOWN	RNG	SN	SUBDIVISION	ACREAGE	MINRL
LEAVENWORTH	9S	21E	33	METES AND BOUNDS	58.000ACQ		HEAD	34S	26W	13	LOTS 5,6		3.5200AG
** Subtotal **						328.310	HEAD	34S	26W	24	LOTS 5,6		2.7200AG
** COUNTY LINN							HEAD	34S	26W	25	LOTS 5,6		2.4800AG
LINN	19S	24E	19	LOT 4	29.000ACQ		HEAD	34S	27W	15	S1/2SE1/4		80.000ALL
LINN	19S	24E	30	LOTS 1,3	115.300ACQ		HEAD	34S	27W	22	NE1/4, NE1/2SE1/4		240.000ALL
LINN	22S	23E	17	LOT 1,2,E1/2NW,W1/2NE	240.000ACQ		HEAD	34S	28W	13	SWSE		40.000ALL
LINN	22S	23E	8	METES AND BOUNDS	60.000ACQ		HEAD	34S	28W	20	S1/2NW1/4		80.000ALL
LINN	22S	23E	15	HWNE	40.000ACQ		HEAD	34S	29W	12	SESE		40.000ALL
** Subtotal **						484.300	HEAD	34S	30W	19	LOT 3		38.780ALLPO
** COUNTY LOGAN							HEAD	34S	30W	32	N1/2S1/2		160.000ALL
LOGAN	13S	37W	30	LOT 9	1.150ALLPO		HEAD	35S	26W	10	S1/2NW1/4		80.000ALL
LOGAN	13S	37W	31	LOT 7,8	23.800ALLPO		HEAD	35S	28W	4	SENW		40.000AG
LOGAN	14S	32W	14	SWMW	40.000ALLPO		HEAD	35S	29W	6	LOT 2,SENW		80.090ALL
LOGAN	14S	37W	26	SENE	40.0000AG		** Subtotal **						1,228.530
LOGAN	15S	32W	1	MESW	40.0000AG		** COUNTY MIAHI						
LOGAN	15S	32W	10	SEHW	40.000ALL		MIAHI	16S	22E	26	NW1/4		160.000ACQ
LOGAN	15S	32W	11	S1/2SW1/4, W1/2SE1/4	160.000ALL		** Subtotal **						160.000
LOGAN	15S	32W	17	E1/2SW1/4	80.000ALL		** COUNTY HITCHELL						
LOGAN	15S	32W	9	NESE	40.000ALL		HITCHELL	6S	9W	31	N1/2SE1/4		80.000ACQ
LOGAN	15S	35W	13	NW1/4	160.0000AG		HITCHELL	7S	7W	32	SW1/4		160.000ACQ
LOGAN	15S	35W	14	NW1/4	160.0000AG		** Subtotal **						240.000
LOGAN	15S	37W	8	N1/2NE1/4	80.000ALL		** COUNTY MORRIS						
** Subtotal **						864.950	MORRIS	14S	6E	4	W1/2SW1/4		80.000ACQ
** COUNTY LYON							MORRIS	14S	6E	5	LOT 3,4,SWNE,S1/2NW,W1/2SE,SESE		362.120ACQ
LYON	16S	13E	13	E1/2NW1/4	80.000ACQ		** Subtotal **						442.120
** Subtotal **						80.000	** COUNTY NEHAHA						
** COUNTY MARSHALL							NEHAHA	2S	13E	19	W1/2SW1/4, W1/2W1/2SSE1/4		130.000ACQ
MARSHALL	2S	6E	1	LOT 1	39.880ALL		NEHAHA	4S	13E	34	SENE, W26A. OF WESE		64.800ACQ
MARSHALL	3S	10E	10	E1/2SE1/4	80.000ACQ		** Subtotal **						194.800
MARSHALL	3S	10E	11	NWSW	40.000ACQ		** COUNTY NESS						
** Subtotal **						159.880	NESS	19S	25W	8	S1/2NE1/4		160.0000AG
** COUNTY HEADE							** Subtotal **						160.000
HEADE	31S	26W	25	LOTS 5,6	17.4400AG		** COUNTY NORTON						
HEADE	33S	27W	1	LOT 1	39.8600AG		NORTON	4S	21W	18	N1/2N1/2		158.850ACQ
HEADE	33S	28W	28	SWSE	40.000ALLPO		NORTON	4S	21W	7	W1/2SW		77.550ACQ
HEADE	33S	29W	10	W1/2NE, E1/2NW	160.000ALL		NORTON	4S	22W	13	N1/2NE1/4		80.000ACQ
HEADE	33S	29W	9	E1/2NE1/4	80.0000AG		NORTON	5S	24W	36	NW1/4		160.000ACQ
HEADE	34S	26W	1	LOTS 5,6	3.6400AG		** Subtotal **						476.400

KANSAS SPLIT ESTATE (UNLEASED)

COUNTY	TOWN	RNG	SN	SUBDIVISION	ACREAGE	MINRAL	COUNTY	TOWN	RNG	SN	SUBDIVISION	ACREAGE	MINRAL
				SHIP							SHIP		
**	COUNTY	OSAGE					**	COUNTY	SEWARD				
	OSAGE	16S	15E	11 LOT 1, E1/2NW1/4	110.570	ACQ	SEWARD	32S	35W	19	LOT 3	37.5300	OG6
**	Subtotal	**			110.570		SEWARD	33S	32W	25	SWSW	40.000	ALL
**	COUNTY	PAWNEE					SEWARD	33S	32W	26	SESE	40.000	ALL
	PAWNEE	21S	17W	21 LOT 5	11.3500	OG6	SEWARD	33S	32W	30	LOTS 1,2,E1/2NW1/4	151.340	ACQ
**	Subtotal	**			11.350		SEWARD	33S	32W	35	NHWN	40.000	ALL
**	COUNTY	PHILLIPS					SEWARD	33S	32W	35	SESW,SWSE	80.000	ACQ
	PHILLIPS	1S	17W	8 N1/2SE1/4,S1/2SWNE	100.000	ACQ	SEWARD	34S	31W	24	NESE	40.000	OG6
**	Subtotal	**			100.000		SEWARD	35S	31W	9	N1/2NE	80.000	ALLPO
**	COUNTY	RAWLINS					**	Subtotal	**			508.870	
	RAWLINS	1S	36W	15 SESW,NESE	80.000	ALL	**	COUNTY	SHAWNEE				
	RAWLINS	5S	35W	29 S1/2	320.000	ALL	SHAWNEE	11S	16E	24	METES AND BOUNDS	40.000	ACQ
	RAWLINS	5S	35W	3 NESW	80.000	ALL	SHAWNEE	11S	16E	25	METES AND BOUNDS	34.050	ACQ
**	Subtotal	**			480.000		**	Subtotal	**			74.050	
**	COUNTY	REPUBLIC					**	COUNTY	SHERMAN				
	REPUBLIC	1S	4W	34 S1/2NE1/4	80.000	ACQ	SHERMAN	10S	38W	22	SW1/4	160.000	ALL
	REPUBLIC	2S	5W	12 N1/2SE1/4,SESE	110.000	ACQ	SHERMAN	6S	37W	33	S1/2, NE1/4	480.000	ACQ
	REPUBLIC	3S	3W	16 SW1/2S1/2,SE1/4	240.000	ACQ	SHERMAN	6S	41W	4	S1/2	320.000	ACQ
**	Subtotal	**			430.000		**	Subtotal	**			960.000	
**	COUNTY	RILEY					**	COUNTY	SMITH				
	RILEY	10S	7E	15 N1/2SW1/4	80.000	OG6	SMITH	2S	11W	14	SW1/4	160.000	ACQ
	RILEY	11S	6E	13 METES AND BOUNDS	50.510	ALLPO	**	Subtotal	**			160.000	
	RILEY	11S	7E	18 METES AND BOUNDS	27.000	ALLPO	**	COUNTY	STAFFORD				
**	Subtotal	**			157.510		STAFFORD	22S	11W	4	LOT 4	40.810	ACQ
**	COUNTY	SALINE					**	Subtotal	**			40.810	
	SALINE	15S	4W	24 METES AND BOUNDS	100.000	ACQ	**	COUNTY	STANTON				
**	Subtotal	**			100.000		STANTON	27S	41W	3	LOT 2	40.190	ALL
**	COUNTY	SCOTT					STANTON	27S	43W	20	ALL	259.280	ALL
	SCOTT	16S	31W	7 SEHE	40.000	ALL	STANTON	27S	43W	21	NW1/4	160.000	ALL
	SCOTT	16S	33W	24 NHWN	40.000	ALL	STANTON	28S	43W	5	LOTS 1,2	96.200	ALL
	SCOTT	16S	33W	26 NESW	40.000	ALL	STANTON	29S	40W	2	SW1/4	160.000	ACQ
	SCOTT	19S	32W	7 S1/2LOT2,LOTS, S1/2SWNE,S1/2SEWN,NESW,NWSE	180.000	ALL	STANTON	29S	43W	15	SESW	40.000	ACQ
	SCOTT	20S	31W	20 NE1/4,N1/2SW1/4	240.000	ALL	**	Subtotal	**			755.670	
**	Subtotal	**			540.000		**	COUNTY	TREGO				
							TREGO	14S	23W	26	SWSW	40.000	OG6
							**	Subtotal	**			40.000	

KANSAS SPLIT ESTATE (UNLEASED)

COUNTY	TOWN	RNG	SN	SUBDIVISION	SHIP	ACREAGE	MINRL
** COUNTY WABAUNSEE							
WABAUNSEE	10S	10E	10	LOT 11		1.3300AG	
WABAUNSEE	10S	10E	15	LOT 13		13.7400AG	
** Subtotal **						15.070	
** COUNTY WALLACE							
WALLACE	11S	40W	20	E1/2NE1/4,W1/2		400.000ALL	
WALLACE	11S	43W	12	NE1/4		160.000ACQ	
WALLACE	12S	40W	22	NWNW		40.000ALL	
WALLACE	12S	41W	6	LOTS 6,7		69.860ALL	
WALLACE	13S	42W	14	SE1/4		160.000ALL	
WALLACE	15S	38W	32	SE1/4		160.000ALL	
** Subtotal **						989.860	
** COUNTY WASHINGTON							
WASHINGTON	1S	1E	11	SE1/4		160.000ACQ	
WASHINGTON	4S	4E	7	SNNW		33.460ACQ	
** Subtotal **						193.460	
** COUNTY WICHITA							
WICHITA	16S	37W	23	SE1/4		160.000ACQ	
WICHITA	16S	37W	24	S1/2		320.000ACQ	
** Subtotal **						480.000	
** COUNTY WILSON							
WILSON	30S	16E	13	E1/2NE1/4		80.000ACQ	
** Subtotal **						80.000	
** COUNTY WOODSON							
WOODSON	24S	17E	2	LOTS 1,2,S1/2NE1/4,SE1/4		316.800ACQ	
** Subtotal **						316.800	
*** Total ***						40,253.740	

KANSAS SPLIT ESTATE (LEASED)

COUNTY	TOWN	RNG	SH	SUBDIVISION	SHIP	ACREAGE	HNRL	COUNTY	TOWN	RNG	SH	SUBDIVISION	SHIP	ACREAGE	HNRL
** COUNTY CHEYENNE								** COUNTY GREELEY							
CHEYENNE	3S	41W	6	E1/2		319.280	ACQ	GREELEY	20S	43W	13	NW1/4		160.000	ALL
CHEYENNE	4S	40W	9	SE1/4		160.000	ALL	GREELEY	20S	43W	23	E1/2		320.000	AG
** Subtotal **								** Subtotal							
								480.000							
** COUNTY COMANCHE								** COUNTY HAMILTON							
COMANCHE	31S	16W	1	LOT 4		39.800	ALL	HAMILTON	21S	41W	3	W1/2SE1/4		80.000	ALL
** Subtotal **								** Subtotal							
								39.800							
** COUNTY FINNEY								** COUNTY HASKELL							
FINNEY	24S	33W	18	LOT 4		35.720	ALL	HASKELL	27S	35W	8	S1/2		320.000	ALL
FINNEY	24S	34W	32	S1/2		320.000	ALL	HASKELL	27S	34W	11	NE1/4		160.000	ALL
FINNEY	25S	32W	12	S1/2SW, E1/2SE		160.000	ALL	HASKELL	27S	34W	12	ALL		160.000	ALL
FINNEY	25S	33W	11	N1/2		320.000	ALL	HASKELL	27S	34W	15	NE1/4		160.000	ALL
FINNEY	25S	34W	10	N1/2		320.000	ALL	HASKELL	27S	34W	3	S1/2		320.000	ALL
FINNEY	25S	34W	30	LOTS 1,2, NE1/4, E1/2NW1/4		320.000	ALL	HASKELL	27S	34W	4	LOT 1,4, S1/2NE, S1/2SW		320.440	ALL
FINNEY	25S	34W	32	S1/2		320.000	ALL	HASKELL	27S	34W	6	ALL		630.530	ALL
FINNEY	25S	34W	34	SE1/4		160.000	ALL	** Subtotal							
FINNEY	26S	34W	10	ALL		640.000	ALL	3,288.120							
FINNEY	26S	34W	16	N1/2		320.000	ALL	** COUNTY KEARNY							
FINNEY	26S	34W	17	S1/2		320.000	ALL	KEARNY	22S	35W	36	SE1/4		160.000	ACQ
FINNEY	26S	34W	18	ALL		618.640	ALL	KEARNY	22S	35W	7	NE1/4		160.000	ACQ
FINNEY	26S	34W	26	N1/2		320.000	ALL	KEARNY	22S	36W	14	NW1/4		160.000	ACQ
FINNEY	26S	34W	27	ALL		640.000	ALL	KEARNY	22S	36W	15	SE1/4		160.000	ACQ
FINNEY	26S	34W	29	N1/2		320.000	ALL	KEARNY	24S	38W	28	SENW		40.000	ALL
FINNEY	26S	34W	3	LOTS 3,4, S1/2NW1/4, S1/2		601.150	ALL	KEARNY	25S	35W	13	S1/2		320.000	ALL
FINNEY	26S	34W	30	S1/2		311.750	ALL	KEARNY	25S	35W	15	N1/2		320.000	ALL
FINNEY	26S	34W	31	ALL		623.930	ALL	KEARNY	25S	35W	19	LOTS 3,4, N1/2NE, E1/2SW		239.920	ALL
FINNEY	26S	34W	32	N1/2		320.000	ALL	KEARNY	25S	35W	2	LOTS 1-4, S1/2NE, S1/2SW		313.600	ALL
FINNEY	26S	34W	33	N1/2		320.000	ALL	KEARNY	25S	35W	20	N1/2		320.000	ALL
FINNEY	26S	34W	6	LOTS 3,6,7, E1/2SW1/4, SE1/4		404.760	ALL	KEARNY	25S	35W	23	N1/2		320.000	ALL
FINNEY	26S	34W	9	S1/2		320.000	ALL	KEARNY	25S	35W	4	S1/2		320.000	ALL
** Subtotal **								** Subtotal							
								2,550.970							
** COUNTY GOVE								** COUNTY KEARNY							
GOVE	15S	26W	21	W1/2NW, NWSW		120.000	ALL	KEARNY	25S	36W	14	N1/2		320.000	ALL
GOVE	15S	26W	9	E1/2SE1/4		80.000	ALL	KEARNY	25S	35W	8	S1/2		320.000	ALL
** Subtotal **								** Subtotal							
								200.000							
** COUNTY GRANT								** COUNTY KEARNY							
GRANT	29S	35W	11	SW1/4		160.000	ACQ	KEARNY	25S	36W	14	N1/2		320.000	ALL
GRANT	29S	36W	33	NE1/4		160.000	ACQ	KEARNY	25S	36W	14	N1/2		320.000	ALL
GRANT	29S	36W	34	N1/2		320.000	ACQ	KEARNY	25S	36W	14	N1/2		320.000	ALL
** Subtotal								** Subtotal							
								640.000							

KANSAS SPLIT ESTATE (LEASED)

COUNTY	TOWN	RNG	SH	SUBDIVISION	ACREAGE	NINRL	COUNTY	TOWN	RNG	SH	SUBDIVISION	ACREAGE	NINRL
KEARNY	255	37H	30	LOTS 3,4,E1/2SW,SE1/4,S1/2NE1/4	400.300	ALLPO	** COUNTY	SALINE					
KEARNY	255	37H	30	LOTS 1,2,N1/2NE,E1/2NW	259.700	ALL	SALINE	155	3W	19	NETES AND BOUNDS		
KEARNY	255	37H	32	N1/2	320.000	ALL	** Subtotal						121.100
KEARNY	255	38W	14	S1/2	320.000	ALL	** COUNTY	SEWARD					
KEARNY	255	38W	26	S1/2	320.000	ALL	SEWARD	31S	34W	21	NENW	40.000	ORG
KEARNY	265	35W	10	N1/2	320.000	ALL	SEWARD	32S	34W	25	E1/2NE,E1/2NW,WESE	200.000	ORG
KEARNY	265	35W	12	S1/2	320.000	ALL	SEWARD	33S	31W	32	NENE,SESE	80.000	ALL
KEARNY	265	35W	14	S1/2	320.000	ALL	SEWARD	34S	31W	7	LOT 2,SEWN	75.300	ALL
KEARNY	265	35W	15	N1/2	320.000	ALL	SEWARD	34S	32W	12	S1/2NE1/4	80.000	ALL
KEARNY	265	35W	17	S1/2	640.000	ALL	SEWARD	34S	32W	2	LOT 2,SENE	80.310	ACQ
KEARNY	265	35W	19	ALL	320.000	ALL	** Subtotal						555.610
KEARNY	265	35W	20	N1/2	320.000	ALL	** COUNTY	STANTON					
KEARNY	265	35W	21	E1/2	320.000	ALL	STANTON	29S	39W	30	SE1/4	160.000	ACQ
KEARNY	265	35W	22	N1/2	320.000	ALL	** Subtotal						160.000
KEARNY	265	35W	24	N1/2	320.000	ALL	** COUNTY	TREGO					
KEARNY	265	35W	26	S1/2	320.000	ALL	TREGO	12S	22W	35	NW1/4	160.000	ACQ
KEARNY	265	35W	28	N1/2	320.000	ALL	** Subtotal						160.000
KEARNY	265	35W	3	LOTS 3,4,N1/2SW, NWSE	474.300	ALL	** Total ***						32,157.690
KEARNY	265	35W	32	NW1/4	160.000	ALL							
KEARNY	265	35W	34	NE1/4	160.000	ALL							
KEARNY	265	35W	35	N1/2	320.000	ALL							
KEARNY	265	35W	8	S1/2	160.000	ALL							
KEARNY	265	35W	9	ALL	640.000	ALL							
KEARNY	265	36W	11	S1/2S1/2,NW1/4	200.000	ALL							
KEARNY	265	36W	13	SE1/4	160.000	ALL							
KEARNY	265	36W	23	SW1/4	160.000	ALL							
KEARNY	265	36W	26	N1/2	320.000	ALL							
KEARNY	265	36W	29	N1/2NW1/4	80.000	ALL							
KEARNY	265	36W	35	N1/2	320.000	ALL							
KEARNY	265	37W	10	ALL	640.000	ALL							
KEARNY	265	37W	14	N1/2	320.000	ALL							
KEARNY	265	37W	24	N1/2	320.000	ALL							
KEARNY	265	37W	4	LOTS 2,3,SWNE,S1/2NW	390.420	ALL							
KEARNY	265	37W	6	LOTS 6,7,E1/2SW,SW1/4	304.400	ALL							
** Subtotal													14,922.640
** COUNTY	LANE												
LANE	16S	27W	12	N1/2NE1/4,NW1/4	240.000	ALL							
** Subtotal													240.000
** COUNTY	HEADE												
HEADE	33S	29W	3	E1/2SW									
HEADE	34S	26W	12	LOTS 5,6	4.1600	ORG							
HEADE	35S	29W	7	WESE	40.000	ALL							
HEADE	35S	30W	1	NE1/4	160.000	ALL							
** Subtotal													284.160

**APPENDIX 2**  
**OIL AND GAS LEASE STIPULATIONS**

Standard Lease Form 3100-11 with Terms and Conditions.....	2-1.
Standard BLM Form 3109-1 with BOR stipulations.....	2-3.
Special Stipulations BOR GP-135.....	2-4.
Special Stipulations 1-A, Tulsa District.....	2-6.
Stipulations for Oil and Gas Leases, Kansas City District, COE.....	2-9.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Serial No. \_\_\_\_\_

**OFFER TO LEASE AND LEASE FOR OIL AND GAS**

The undersigned (*reverse*) offers to lease all or any of the lands in Item 2 that are available for lease pursuant to the Mineral Leasing Act of 1920, as amended and supplemented (30 U.S.C. 181 et seq.), the Mineral Leasing Act for Acquired Lands of 1947, as amended (30 U.S.C. 351-359), the Attorney General's Opinion of April 2, 1941 (40 Op. Atty. Gen. 41), or the

READ INSTRUCTIONS BEFORE COMPLETING

1. Name  
Street  
City, State, Zip Code

2. This application/offer/lease is for: (Check only One)  PUBLIC DOMAIN LANDS  ACQUIRED LANDS (percent U.S. interest \_\_\_\_\_ )  
Surface managing agency if other than BLM: \_\_\_\_\_ Unit/Project \_\_\_\_\_

Legal description of land requested: \_\_\_\_\_ \*Parcel No.: \_\_\_\_\_ \*Sale Date (m/d/y): \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

\*SEE ITEM 2 IN INSTRUCTIONS BELOW PRIOR TO COMPLETING PARCEL NUMBER AND SALE DATE.

T. \_\_\_\_\_ R. \_\_\_\_\_ Meridian \_\_\_\_\_ State \_\_\_\_\_ County \_\_\_\_\_

Amount remitted: Filing fee \$ \_\_\_\_\_ Rental fee \$ \_\_\_\_\_ Total acres applied for \_\_\_\_\_  
Total \$ \_\_\_\_\_

DO NOT WRITE BELOW THIS LINE

3. Land included in lease:

T. \_\_\_\_\_ R. \_\_\_\_\_ Meridian \_\_\_\_\_ State \_\_\_\_\_ County \_\_\_\_\_

Total acres in lease \_\_\_\_\_  
Rental retained \$ \_\_\_\_\_

This lease is issued granting the exclusive right to drill for, mine, extract, remove and dispose of all the oil and gas (*except helium*) in the lands described in Item 3 together with the right to build and maintain necessary improvements thereupon for the term indicated below, subject to renewal or extension in accordance with the appropriate leasing authority. Rights granted are subject to applicable laws, the terms, conditions, and attached stipulations of this lease, the Secretary of the Interior's regulations and formal orders in effect as of lease issuance, and to regulations and formal orders hereafter promulgated when not inconsistent with lease rights granted or specific provisions of this lease.

NOTE: This lease is issued to the high bidder pursuant to his/her duly executed bid or nomination form submitted under 43 CFR 3120 and is subject to the provisions of that bid or nomination and those specified on this form.

Type and primary term of lease:

THE UNITED STATES OF AMERICA

Noncompetitive lease (ten years)

by \_\_\_\_\_  
(Signing Officer)

Competitive lease (five years)

\_\_\_\_\_  
(Title) (Date)

Other \_\_\_\_\_

EFFECTIVE DATE OF LEASE \_\_\_\_\_

4. (a) Undersigned certifies that (1) offeror is a citizen of the United States; an association of such citizens; a municipality; or a corporation organized under the laws of the United States or of any State or Territory thereof; (2) all parties holding an interest in the offer are in compliance with 43 CFR 3100 and the leasing authorities; (3) offeror's chargeable interests, direct and indirect as to either public domain or acquired lands do not exceed 246,000 acres in Federal oil and gas leases in the same State, of which not more than 200,000 acres are held under option, or 300,000 acres in leases and 200,000 acres in options in either leasing District in Alaska; (4) offeror is not considered a minor under the laws of the State in which the lands covered by this offer are located; (5) offeror is in compliance with qualifications concerning Federal coal lease holdings provided in sec. 2(a)(2)(A) of the Mineral Leasing Act; (6) offeror is in compliance with reclamation requirements for all Federal oil and gas lease holdings as required by sec. 17(g) of the Mineral Leasing Act; and (7) offeror is not in violation of Act. (b) Offeror agrees that signature to this offer constitutes acceptance of this lease, including all terms, conditions, and stipulations of which offeror has been given notice, and any amendment or separate lease that may include any land described in this offer open to leasing at the time this offer was filed but omitted for any reason from this lease. The offeror further agrees that this offer cannot be withdrawn, either in whole or in part, unless the withdrawal is received by the proper BLM State Office before this lease, an amendment to this lease, or a separate lease, whichever covers the land described in the withdrawal, has been signed on behalf of the United States.

This offer will be rejected and will afford offeror no priority if it is not properly completed and executed in accordance with the regulations, or if it is not accompanied by the required payments. 18 U.S.C. Sec. 1001 makes it a crime for any person knowingly and willfully to make to any Department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Duly executed this \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_\_

(Signature of Lessee or Attorney-in-fact)

#### LEASE TERMS

Sec. 1. Rentals—Rentals shall be paid to proper officer of lessor in advance of each lease year. Annual rental rates per acre or fraction thereof are:

- Noncompetitive lease, \$1.50 for the first 5 years; thereafter \$2.00;
- Competitive lease, \$1.50; for primary term; thereafter \$2.00;
- Other, see attachment, or as specified in regulations at the time this lease is issued.

If this lease or a portion thereof is committed to an approved cooperative or unit plan which includes a well capable of producing leased resources, and the plan contains a provision for allocation of production, royalties shall be paid on the production allocated to this lease. However, annual rentals shall continue to be due at the rate specified in (a), (b), or (c) for those lands not within a participating area.

Failure to pay annual rental, if due, on or before the anniversary date of this lease (or next official working day if office is closed), shall automatically terminate this lease by operation of law. Rentals may be waived, reduced, or suspended by the Secretary upon a sufficient showing by lessee.

Sec. 2. Royalties—Royalties shall be paid to proper officer of lessor. Royalties shall be computed in accordance with regulations on production removed or sold. Royalty rates are:

- Noncompetitive lease, 12 1/2 %;
- Competitive lease, 12 1/2 %;
- Other, see attachment, or as specified in regulations at the time this lease is issued.

Lessor reserves the right to specify whether royalty is to be paid in value or in kind, and the right to establish reasonable minimum values on products after giving lessee notice and an opportunity to be heard. When paid in value, royalties shall be due and payable on the last day of the month following the month in which production occurred. When paid in kind, production shall be delivered, unless otherwise agreed to by lessor, in merchantable condition on the premises where produced without cost to lessor. Lessee shall not be required to hold such production in storage beyond the last day of the month following the month in which production occurred, nor shall lease be held liable for loss or destruction of royalty oil or other products in storage from causes beyond the reasonable control of lessee.

Minimum royalty in lieu of rental of not less than the rental which otherwise would be required for that lease year shall be payable at the end of each lease year beginning on or after a discovery in paying quantities. This minimum royalty may be waived, suspended, or reduced, and the above royalty rates may be reduced, for all or portions of this lease if the Secretary determines that such action is necessary to encourage the greatest ultimate recovery of the leased resources, or is otherwise justified.

An interest charge shall be assessed on late royalty payments or underpayments in accordance with the Federal Oil and Gas Royalty Management Act of 1982 (FOGRMA) (30 U.S.C. 1701). Lessee shall be liable for royalty payments on oil and gas lost or wasted from a lease site when such loss or waste is due to negligence on the part of the operator, or due to the failure to comply with any rule, regulation, order, or citation issued under FOGRMA or the leasing authority.

Sec. 3. Bonds—A bond shall be filed and maintained for lease operations as required under regulations.

Sec. 4. Diligence, rate of development, unitization, and drainage—Lessee shall exercise reasonable diligence in developing and producing, and shall prevent unnecessary damage to, loss of, or waste of leased resources. Lessor reserves right to specify rates of development and production in the public interest and to require lessee to subscribe to a cooperative or unit plan, within 30 days of notice, if deemed necessary for proper development and operation of area, field, or pool embracing these leased lands. Lessee shall drill and produce wells necessary to protect leased lands from drainage or pay compensatory royalty for drainage in amount determined by lessor.

Sec. 5. Documents, evidence, and inspection—Lessee shall file with proper officer of lessor, not later than 30 days after effective date thereof, any contract or evidence of other arrangement for sale or disposal of production. At such times and in such form as lessor may prescribe, lessee shall furnish detailed statements showing amounts and quality of all products removed and sold, proceeds therefrom, and amount used for production purposes or unavoidably lost. Lessee may be required to provide plans and schematic diagrams showing development work and improvements, and reports with respect to parties in interest, expenditures, and depreciation costs. In the form prescribed by lessor, lessee shall keep a daily drilling record, a log, information of well surveys and tests, and a record of subsurface investigations and furnish copies to lessor who may request. Lessee shall keep open at all reasonable times for inspection by any authorized officer of lessor, the leased premises and all wells, improvements, machinery, and fixtures thereon, and all books, accounts, maps, and records relative to operations, surveys, or investigations on or in the leased lands. Lessee shall maintain copies of all contracts, sales agreements, accounting records, and documentation such as billings, invoices, or similar documentation that supports

costs claimed as manufacturing, preparation, and/or transportation costs. All such records shall be maintained in lessee's accounting offices for future audit by lessor. Lessee shall maintain required records for 6 years after they are generated, or if an audit or investigation is underway, until release of the obligation to maintain such records by lessor.

During existence of this lease, information obtained under this section shall be closed to inspection by the public in accordance with the Freedom of Information Act (5 U.S.C. 552).

Sec. 6. Conduct of operations—Lessee shall conduct operations in a manner that minimizes adverse impacts to the land, air, and water, to cultural, biological, visual, and other resources, and to other land users or users. Lessee shall take reasonable measures deemed necessary by lessor to accomplish the intent of this section. To the extent consistent with lease rights granted, such measures may include, but are not limited to, modification to siting or design of facilities, timing of operations, and specification of interim and final reclamation measures. Lessor reserves the right to continue existing uses and to authorize future uses upon or on the leased lands, including the approval of easements or rights-of-way. Such uses shall be conditioned so as to prevent unnecessary or unreasonable interference with rights of lessee.

Prior to disturbing the surface of the leased lands, lessee shall contact lessor to be apprised of procedures to be followed and modifications or reclamation measures that may be necessary. Areas to be disturbed may require inventories or special studies to determine the extent of impacts to resources. Lessee may be required to complete minor inventories or short term special studies under guidelines provided by lessor. If in the conduct of operations, threatened or endangered species, objects of historic or scientific interest, or substantial unanticipated environmental effects are observed, lessee shall immediately contact lessor. Lessee shall cease any operations that would result in the destruction of such species or objects.

Sec. 7. Mining operations—To the extent that impacts from mining operations would be substantially different or greater than those associated with normal drilling operations, lessor reserves the right to deny approval of such operations.

Sec. 8. Extraction of helium—Lessor reserves the option of extracting or having extracted helium from gas production in a manner specified and by means provided by lessor at no expense or loss to lessee or owner of the gas. Lessee shall include in any contract of sale of gas the provisions of this section.

Sec. 9. Damages to property—Lessee shall pay lessor for damage to lessor's improvements, and shall save and hold lessor harmless from all claims for damage or harm to persons or property as a result of lease operations.

Sec. 10. Protection of diverse interests and equal opportunity—Lessee shall: pay when due all taxes legally assessed and levied under laws of the State or the United States; accord all employees complete freedom of purchase; pay all wages at least twice each month in lawful money of the United States; maintain a safe working environment in accordance with standard industry practices; and take measures necessary to protect the health and safety of the public.

Lessor reserves the right to ensure that production is sold at reasonable prices and to prevent monopoly. If lessee operates a pipeline, or owns controlling interest in a pipeline or a company operating a pipeline, which may be operated accessible to oil derived from these leased lands, lessee shall comply with section 28 of the Mineral Leasing Act of 1920.

Lessee shall comply with Executive Order No. 11246 of September 24, 1965, as amended, and regulations and relevant orders of the Secretary of Labor issued pursuant thereto. Neither lessee nor lessee's subcontractors shall maintain segregated facilities.

Sec. 11. Transfer of lease interests and relinquishment of lease—As required by regulations, lessee shall file with lessor any assignment or other transfer of an interest in this lease. Lessee may relinquish this lease or any legal subdivision by filing in the proper office a written relinquishment, which shall be effective as of the date of filing, subject to the continued obligation of the lessee and surety to pay all accrued rentals and royalties.

Sec. 12. Delivery of premises—At such time and at all or portions of this lease are returned to lessor, lessee shall place affected wells in condition for suspension or abandonment, reclaim the land as specified by lessor, and within a reasonable period of time, remove equipment and improvements not deemed necessary by lessor for preservation of producible wells.

Sec. 13. Proceedings in case of default—If lessee fails to comply with any provisions of this lease, and the noncompliance continues for 30 days after written notice thereof, this lease shall be subject to cancellation unless or until the leasehold contains a well capable of production of oil or gas in paying quantities, or the lease is committed to an approved cooperative or unit plan or communication agreement which contains a well capable of production of unitized substances in paying quantities. This provision shall not be construed to prevent the exercise by lessor of any other legal and equitable remedies, including waiver of the default. Any such remedy or waiver shall not prevent later cancellation for the same default occurring at any other time. Lessee shall be subject to applicable provisions and penalties of FOGRMA (30 U.S.C. 1701).

Sec. 14. Heirs and successors-in-interest—Each obligation of this lease shall extend to and be binding upon, and every benefit hereof shall inure to the heirs, executors, administrators, successors, beneficiaries, or assignees of the respective parties hereto.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

LEASE STIPULATIONS  
BUREAU OF RECLAMATION

The lessee agrees to maintain, if required by the lessor during the period of this lease, including any extension thereof, an additional bond with qualified sureties in such sum as the lessor, if it considers that the bond required under Section 2(a) is insufficient, may at any time require:

(a) to pay for damages sustained by any reclamation homestead entryman to his crops or improvements caused by drilling or other operations of the lessee, such damages to include the reimbursement of the entryman by the lessee, when he uses or occupies the land of any homestead entryman, for all construction and operation and maintenance charges becoming due during such use or occupation upon any portion of the land so used and occupied;

(b) to pay any damage caused to any reclamation project or water supply thereof by the lessee's failure to comply fully with the requirements of this lease; and

(c) to recompense any nonmineral applicant, entryman, purchaser under the Act of May 16, 1930 (46 Stat. 367), or patentee for all damages to crops or to tangible improvements caused by drilling or other prospecting operations, where any of the lands covered by this lease are embraced in any nonmineral application, entry, or patent under rights initiated prior to the date of this lease, with a reservation of the oil deposits, to the United States pursuant to the Act of July 17, 1914 (38 Stat. 509).

As to any lands covered by this lease within the area of any Government reclamation project, or in proximity thereto, the lessee shall take such precautions as required by the Secretary to prevent any injury to the lands susceptible to irrigation under such project or to the water supply thereof; provided that drilling is prohibited on any constructed works or right-of-way of the Bureau of Reclamation, and provided, further, that there is reserved to the lessor, its successors and assigns, the superior and prior right at all times to construct, operate, and maintain dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, appurtenant irrigation structures, and reclamation works, in which construction, operation, and maintenance, the lessor, its successors and assigns, shall have the right to use any or all of the lands herein described without making compensation therefor, and shall not be responsible for any damage from the presence of water thereon or on account of ordinary, extraordinary, unexpected, or unprecedented floods. That nothing shall be done under this lease to increase the cost of, or interfere in any manner with, the construction, operation, and maintenance of such works. It is agreed by the lessee that, if the construction of any or all of said dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone or telegraph lines, electric transmission lines, roadways, appurtenant irrigation structures or reclamation works across, over, or upon said lands should be made more expensive by reason of the existence of the improvements and workings of the lessee thereon, said additional expense is to be estimated by the

Secretary of the Interior, whose estimate is to be final and binding upon the parties hereto, and that within thirty (30) days after demand is made upon the lessee for payment of any such sums, the lessee will make payment thereof to the United States, or its successors, constructing such dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, appurtenant irrigation structures, or reclamation works, across, over, or upon said lands; provided, however, that subject to advance written approval by the United States, the location and course of any improvements or works and appurtenances may be changed by the lessee; provided, further, that the reservations, agreements, and conditions contained in the within lease shall be and remain applicable notwithstanding any change in the location or course of said improvements or works of lessee. The lessee further agrees that the United States, its officers, agents, and employees, and its successors and assigns shall not be held liable for any damage to the improvements or workings of the lessee resulting from the construction, operation, and maintenance of any of the works hereinabove enumerated. Nothing in this paragraph shall be construed as in any manner limiting other reservations in favor of the United States contained in this lease.

THE LESSEE FURTHER AGREES That there is reserved to the lessor, its successors and assigns, the prior right to use any of the lands herein leased, to construct, operate, and maintain dams, dikes, reservoirs, canals, wasteways, laterals; ditches, telephone and telegraph lines, electric transmission lines, roadways, or appurtenant irrigation structures, and also the right to remove construction materials therefrom, without any payment made by the lessor or its successors for such right, with the agreement on the part of the lessee that if the construction of any or all of such dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, or appurtenant irrigation structures across, over, or upon said lands or the removal of construction materials therefrom, should be made more expensive by reason of the existence of improvements or workings of the lessee thereon, such additional expense is to be estimated by the Secretary of the Interior, whose estimate is to be final and binding upon the parties hereto, and that within thirty (30) days after demand is made upon the lessee for payment of any such sums, the lessee will make payment thereof to the United States or its successors constructing such dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, or appurtenant irrigation structures across, over, or upon said lands or removing construction materials therefrom. The lessee further agrees that the lessor, its officers, agents, and employees and its successors and assigns shall not be held liable for any damage to the improvements or workings of the lessee resulting from the construction, operation, and maintenance of any of the works herein above enumerated. Nothing contained in this paragraph shall be construed as in any manner limiting other reservations in favor of the lessor contained in this lease.

(Signature of Lessee)

## SPECIAL STIPULATION - BUREAU OF RECLAMATION

To avoid interference with recreation development and/or impacts to fish and wildlife habitat and to assist in preventing damage to any Bureau of Reclamation dams, reservoirs, canals, ditches, laterals, tunnels, and related facilities, and contamination of the water supply therein, the lessee agrees that the following conditions shall apply to all exploration and developmental activities and other operation of the works thereafter on lands covered by this lease:

1. Prior to commencement of any surface-disturbing work including drilling, access road work, and well location construction, a surface use and operations plan will be filed with the appropriate officials. A copy of this plan will be furnished to the Regional Director, Great Plains Region, Bureau of Reclamation, P.O. Box 36900, Billings, MT 59107-6900, for review and consent prior to approval of the plan. Such approval will be conditioned on reasonable requirements needed to prevent soil erosion, water pollution, and unnecessary damages to the surface vegetation and other resources, including cultural resources, of the United States, its lessees, permittees, or licensees, and to provide for the restoration of the land surface and vegetation. The plan shall contain provisions as the Bureau of Reclamation may deem necessary to maintain proper management of the water, recreation, lands, structures, and resources, including cultural resources, within the prospecting, drilling, or construction area.

Drilling sites for all wells and associated investigations such as seismograph work shall be included in the above-mentioned surface use and operation plan.

If later explorations require departure from or additions to the approved plan, these revisions or amendments, together with a justification statement for proposed revisions, will be submitted for approval to the Regional Director, Great Plains Region, Bureau of Reclamation, or his authorized representative.

Any operations conducted in advance of approval of an original, revised, or amended prospecting plan, or which are not in accordance with an approved plan constitute a violation of the terms of this lease. The Bureau of Reclamation reserves the right to close down operations until such corrective action, as is deemed necessary, is taken by the lessee.

2. No occupancy of the surface of the following excluded areas is authorized by this lease. It is understood and agreed that the use of these areas for Bureau of Reclamation purposes is superior to any other use. The excluded areas are:

- a. Within 500 feet on either side of the centerline of any and all roads or highways within the leased area.
- b. Within 200 feet on either side of the centerline of any and all trails within the leased area.
- c. Within 500 feet of the normal high-water line of any and all live streams in the leased area.
- d. Within 400 feet of any and all recreation developments within the leased area.
- e. Within 400 feet of any improvements either owned, permitted, leased, or otherwise authorized by the Bureau of Reclamation within the leased area.
- f. Within 200 feet of established crop fields, food plots, and tree/shrub plantings within the leased area.
- g. Within 200 feet of slopes steeper than a 2:1 gradient within the leased area.
- h. Within established rights-of-way of canals, laterals, and drainage ditches within the leased area.
- i. Within a minimum of 500 feet horizontal from the centerline of the facility or 50 feet from the outside toe of the canal, lateral, or drain embankment, whichever distance is greater, for irrigation facilities without clearly marked rights-of-way within the leased area.

3. No occupancy of the surface or surface drilling will be allowed in the following areas. In addition, no directional drilling will be allowed that would intersect the subsurface zones delineated by a vertical plane in these areas. The following restrictions apply only to mineral tracts located within the boundary of a Bureau of Reclamation project where the United States owns 100 percent of the fee mineral interest.

a. Within 1,000 feet of the maximum water surface, as defined in the Standard Operating Procedures (SOP), of any reservoirs and related facilities located within the leased area.

b. Within 2,000 feet of dam embankments and appurtenance structures such as spillway structures, outlet works, etc.

c. Within one-half (1/2) mile horizontal from the centerline of any tunnel within the leased area.

d. Providing that appropriate environmental compliance measures can be ensured, and providing further that Reclamation project works and other public interests can be protected, Reclamation may consider, on a case-by-case basis, waiving the requirements specified in Section 3 hereof. HOWEVER, LESSEES ARE ADVISED THAT OBTAINING SUCH A WAIVER CAN BE A DIFFICULT, TIME CONSUMING, AND COSTLY PROCESS WITH NO GUARANTEE THAT RECLAMATION WILL GRANT THE REQUESTED WAIVER.

4. The distances stated in items 2 and 3 above are intended to be general indicators only. The Bureau of Reclamation reserves the right to revise these distances as needed to protect Bureau of Reclamation facilities.

5. The use of explosives in any manner shall be so controlled that the works and facilities of the United States, its successors and assigns will in no way be endangered or damaged. In this connection, an explosives use plan shall be submitted to and approved by the Regional Director, Great Plains Region, Bureau of Reclamation, or his authorized representative.

6. The lessee shall be liable for all damage to the property of the United States, its successors and assigns, resulting from the exploration, development, or operation of the works contemplated by this lease, and shall further hold the United States, its successors and assigns, and its officers, agents, and employees, harmless from all claims of third parties for injury or damage sustained or in any way resulting from the exercise of the rights and privileges conferred by this lease.

7. The lessee shall be liable for all damage to crops or improvements of any entryman, nonmineral applicant, or patentee, their successors and assigns, caused by or resulting from the drilling or other operations of the lessee, including reimbursement of any entryman or patentee, their successors and assigns, for all construction, operation, and maintenance charges becoming due on any portion of their said lands damaged as a result of the drilling or other operations of the lessee.

8. In addition to any other bond required under the provisions of this lease, the lessee shall provide such bond as the United States may at any time require for damages which may arise under the liability provisions of sections six (6) and seven (7) above.

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Date

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Signature of Lessee

SPECIAL STIPULATIONS 1-A

1. All oil and gas drilling and production operations shall be under the supervision of the District Manager, Bureau of Land Management (BLM), in accordance with 43 Code of Federal Regulations 3160.
2. The Secretary of the Army or designee reserves the right to require cessation of operations if a national emergency arises or if the Army needs the leased property for a mission incompatible with lease operations. On approval from higher authority, the District Engineer will give notice of the required suspension. The lessee agrees to this condition and waives compensation for its exercise.
3. If the District Engineer or his authorized representative discovers an imminent danger to safety or security which allows no time to consult BLM, that person may order such activities stopped immediately. The District Manger, BLM, will be notified immediately, will review the order, and will determine the need for further remedial action.
4. Lessee liability for damage to improvements shall include improvements of the Department of Defense. Lessee shall be liable for pollution and other damages, as a result of their operations, to Government-owned land and property and to the property of the Government's authorized surface user.
5. Before beginning to drill, the lessee must consult with third parties authorized to use real estate in the lease area and must consider programs for which third parties have contractual responsibility.
6. A license to conduct geophysical test on the leased area must be obtained separately from the District Engineer.
7. That all rights under this lease are subordinate to the rights of the United States to flood and submerge the lands, permanently or intermittently, in connection with the operation and maintenance of the above-named project.
8. That the United States shall not be responsible for damages to property or injuries to persons which may arise from or be incident to the use and occupation of the said premises, or for damages to the property of the lessee, or for injuries to the person of the lessee's officers, agents, servants, or employees, or others who may be on said premises at their invitation or the invitation of any one of them arising from or incident to the flooding of the said premises by the Government or flooding from any other cause, or arising from or incident to any other governmental activities; and the lessee shall hold the United States harmless from any and all such claims.

9. That the work performed by the lessee on the lands shall be under the general supervision of the District Engineer, Corps of Engineers in direct charge of the project and subject to such conditions and regulations as may be prescribed by him, and the plans and locations for all structures, appurtenances thereto, and work on said lands shall be submitted to the said District Engineer for approval in advance of commencement of any work on said lands. The District Engineer shall have the right to enter on the premises, at any time, to inspect both the installation and operational activities of the lessee.

10. That no structure or appurtenance thereto shall be of a material or construction determined to create floatable debris.

11. That the construction and operation of said structures and appurtenances thereto shall be of such a nature as not to cause pollution of the soils and the waters of the project.

12. That the United States reserves the right to use the land jointly with the lessee in connection with the construction, operation, and maintenance of the Government project and to place improvements thereon or to remove materials therefrom, including sand and gravel and other construction material, as may be necessary in connection with such work, and the lessee shall not interfere in any manner with such work, and the lessee shall not interfere in any manner with such work or do any act which may increase the cost of performing such work. If the cost of the work performed on land outside the property included in the lease is made more expensive by reason of improvements constructed on the leased property by the lessee, the lessee shall pay to the United States money in the amount, as estimated by the Chief of Engineers, sufficient to compensate for the additional expense involved.

13. All areas within 2,000 feet of any major structure, including but not limited to the dam, spillway, or embankment, are restricted areas. The lessee, his operators, agents, or employees shall not utilize the surface of restricted areas for any purpose. Drilling operations in, on, or under the restricted areas, including drilling outside of the restricted areas which would cause a bore hole to be under the restricted area, will not be permitted. The restricted areas are included in the lease for the sole purpose of becoming part of a drilling unit so that the United States will share in the royalty of the unit.

14. All existing or proposed public use areas, recreation areas, wildlife and waterfowl refuges, historical sites, and hiking and horseback trail areas may be leased for the sole purpose of becoming a part of a drilling unit. The lessee, his operators, agents, or employees will not use or enter upon the surface for any purpose. Directional drilling from non-public areas is permitted if not otherwise restricted.

15. No drilling will be permitted from Government-owned surface where alternate surface use is available within the same drilling unit.

16. All storage tanks and slush pits will be protected by dikes of sufficient capacity to protect the reservoir from pollution to flood pool elevation ^C.^C feet, National Geodetic Vertical Datum.

17. It is the responsibility of the lessee to identify and be aware of areas where entry is prohibited. ^C There will be no surface or subsurface entry within 2,000 feet of the dam structure. A portion of the lease includes the ^C Public Use Area, therefore, stipulation ^C is applicable. Stipulation ^C also applies to portions of the lease area.

18. The operator will immediately stop work and advise the District Engineer or his authorized representative if contamination is found in the operating area.

BLM Serial Number \_\_\_\_\_  
Project \_\_\_\_\_

STIPULATIONS FOR OIL AND GAS LEASES  
United States Department of the Interior  
Bureau of Land Management

LANDS UNDER JURISDICTION OF  
DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS (WATER RESOURCE PROJECTS)

The lands embraced in this lease pursuant to the Mineral Leasing Act of 1920 (30 U.S.C. 181 et seq.) or the Mineral Leasing Act for Acquired Lands of 1947 (30 U.S.C. 351 et seq.) are under the jurisdiction of the Department of the Army, Corps of Engineers, as the Surface Managing Agency, hereinafter referred to as the "SMA", and are subject to further controls established by the Engle Act (43 U.S.C. 155 et seq.).

The lands described are a part of a water resource multi-purpose project, authorized by Congress for flood control, water supply, navigation, recreation, wildlife, and other purposes. Rights under this lease are subordinate to the rights of the United States for the management, operation and maintenance of the Project including public use and the right to flood and submerge the lands intermittently, and to remove materials therefrom.

1. That all rights under this lease are subordinate to the rights of the United States to flood and submerge the lands, permanently or intermittently, in connection with the operation and maintenance of the above-named project.

2. That the United States shall not be responsible for damages to property or injuries to persons which may arise from or be incident to the use and occupation of the said premises, or for damages to the property of the lessee, or for injuries to the person of the lessee (if an individual), or for damages to the property or injuries to the person of the lessee's officers, agents, servants, or employees, or other who may be on said premises at their invitation or the invitation of any one of them arising from or incident to the flooding of the said premises by the Government or flooding from any other cause, or arising from or incident to any other governmental activities; and the lessee shall hold the United States harmless from any and all such claims.

3. That the work performed by the lessee on the lands shall be under the general supervision of the District Commander, Corps of Engineers, in direct charge of the project and subject to such conditions and regulations as may be prescribed by him. Prior to lessee developing plan of operation involving any surface disturbing activity, including routes to be used for vehicular access and plans and locations for all structures and appurtenances thereto, the lessee shall contact the SMA for information to develop such surface use program. There shall be no surface disturbance prior to compliance by lessee with applicable BLM Onshore Oil and Gas Operation Procedures (43 CFR, Part 3160), including Oil and Gas Orders and Notice to Lessees (NTL'S).



- e. within incorporated town, villages, or city limits,
- f. within unique ecological areas,
- g. historical sites,
- h. wildlife and waterfowl refuges,
- i. within 100 feet of public roadways or 300 feet of occupied buildings.

The lessee, his operators, agents, or employees will be prohibited from use or entry upon the surface of restricted areas for any purpose. With the exception of lands covered in paragraph 7.a. above, directional drilling from non-restricted areas is prohibited.

8. The Secretary of the Army or designee reserves the right to require cessation of operations in a national emergency or if the Army needs the premises for a use incompatible with lease operations. On approval by higher authority, the Commander will notify the lessee in writing or, if time permits, requests the BLM to notify the lessee. The lessee understands that rights granted by this lease do not include the period of any such cessation, and the United States has no obligation to compensate the lessee for damages or contractual losses resulting from exercise of this stipulation. The lessee shall include this stipulation in contracts with third parties to supply oil and gas. This stipulation shall not affect the lessee's right to seek suspension of the lease term from BLM.

9. If the Commander or the Commander's authorized representative discovers an imminent danger to safety or security which allows no time to consult BLM, that person may order such activities stopped immediately. The state BLM director will be notified immediately, will review the order, and will determine the need for further remedial action.

10. If contamination is found in the operating area, either from mineral lessee's operations or existing conditions, the operator will immediately stop work and consult with the District Commander, or his authorized representative in analyzing the problem and developing a remedial plan.

11. In furtherance of Section 9 of the lease, lessee liability for damage to improvements and all natural resources and waters of the project shall include improvements of the Department of Defense and any surface users authorized by the Department of Defense.

12. Before beginning to drill, the lessee must consult with third parties authorized to use real estate in the leased area and must take into consideration programs for which third parties have contractual responsibility.

13. A license to conduct geophysical tests on the leased area must be obtained separately from the Commander or his authorized representative.

14. Prior to beginning operations, the lessee will appoint and retain a local agent who may be served notice concerning matters in these stipulations and who will notify the SMA instantly in the event of pollution, potential spills or other hazards encountered.

15. The lessee will be liable for pollution or other damages, as a result of their operations, to Government-owned lands and property and to the property of the Government's authorized surface user.

16. That it is understood that this instrument is effective only insofar as the rights of the United States in the said property are concerned; and that the lessee shall obtain such permission as may be necessary on account of any other existing rights whether or not granted by the Government. It is further understood that the Government does not warrant title or the accuracy of the descriptions provided in the lease.

17. Land and water areas included under a fish and wildlife management license agreement with a State agency, or allocated in the Master Plan for Fish and Wildlife Management, will be subject to the special Kansas City District Corps of Engineers Lease Stipulations for Wildlife Lands.

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Signature of Lessee

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Date of Signature

BLM Serial Number \_\_\_\_\_  
Project \_\_\_\_\_

KANSAS CITY DISTRICT CORPS OF ENGINEERS  
STIPULATION FOR LANDS DESIGNATED FOR THE  
MANAGEMENT OF WILDLIFE

Lands and water areas of the Project are managed for multipurposes and may be included under a fish and wildlife management license with a State agency, permitted to the USF&WLS, or allocated in the Master Plan for Fish and Wildlife Management, and will be subject to special stipulations to insure the mitigation, protection and/or enhancement of wildlife and wildlife habitat. Surface disturbance will be restricted to those areas with insignificant impact to wildlife resources, and will be prohibited in areas providing habitat for threatened or endangered species, refuges, critical habitat of the key management species, and/or unique breeding grounds. The time period or location where construction, drilling, production or restoration activity can occur (or is required to be accomplished) may be specified to avoid impact to seasonal hunting, breeding, migration or fire hazard, to include seasonal occupancy, controlled access, limits on noise generation, lighting and use of explosives. Vegetation must be preserved, sludge or flare pits covered, erosion repaired, and scars revegetated. Access roads must be maintained for collateral use with the public where hunting or fishing is authorized, and when no longer required by the lessee shall be brought to useable standards for continued public access, or obliterated and revegetated, at the option of the lessor. Ancillary equipment will be removed immediately when no longer needed for production.

\_\_\_\_\_  
Signature of Lessee

\_\_\_\_\_  
Date of Signature



APPENDIX 3  
OIL AND GAS LEASE  
OPERATIONS

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## APPENDIX 3

### ACQUIRING AND DEVELOPING A FEDERAL OIL AND GAS LEASE

Lands available for leasing from the Bureau of Land Management (BLM) must meet the guidelines outlined in 43 Code of Federal Regulations § 3100. A Federal lease may be acquired by either competitive lease sale or noncompetitive lease sale. The competitive leasing process is the offering of Federal oil and gas leases at oral auctions. These auctions are held at least quarterly throughout the year. The winning bid at the oral auction is the highest bid which equals or exceeds the national minimum acceptable bid. Lands that were offered at the competitive lease sale, and for which no bid was received, shall be available for noncompetitive lease. Such lands become available for a period of 2 years beginning on the first business day following the last day of the competitive oral auction. A competitive lease has a term of 5 years (unless held by production) and a noncompetitive lease has a term of 10 years (unless held by production).

Lease stipulations to mitigate the environmental effect of oil and gas operations on other resources may be applied by both the BLM and other federal agencies. Stipulations on acreage with nonfederal surface over federal minerals are also applied by the Bureau of Land Management.

### DECIDING ON LOCATION OF WELL

A geologist for an exploration company examines well logs, seismic data, and any other available information to determine an area for possible accumulation of hydrocarbons. Geologists, engineers, and other exploration experts determine the best location for a proposed well.

The surface location for the well is based upon geological evidence and surface conditions. The average drill pad covers approximately one to three acres. Access and surface conditions (creeks, ponds, timber, and structures) should be taken into consideration in selecting the location, and the pad area should be as level as possible. Creating the least possible surface disturbance and safety procedures are other factors to be considered when selecting a well location.

Once the location of the proposed well has been determined the well location needs to be staked (surveyed). The BLM is notified of a proposed well location on Federal minerals by a notice of staking (NOS) or an Application for Permit to Drill (APD). An approved APD must be issued and in hand prior to any surface disturbance or drilling activities.

## ACQUIRING AN APPROVED APPLICATION FOR PERMIT TO DRILL (APD)

To acquire an approved APD the following items are required: (1) an environmental assessment of the surface use plan, (2) an approved drilling plan, and (3) all bonding requirements met. These are the minimum requirements and special stipulations may be added to the APD in either the surface use plan or the drilling plan.

## ENVIRONMENTAL ASSESSMENT OF SURFACE USE PLAN

To acquire an approved Application for Permit to Drill (APD) an Environmental Assessment (EA) must be made of the surface use plan. The surface use plan contains information including the road and drill pad location, details of pad construction, methods for containment and disposal of waste material, plans for reclamation of the surface, and other pertinent data as required. A drawing showing the proposed layout of the drilling location should be included in the surface use plan.

A cultural evaluation and threatened and endangered (T/E) species evaluation of the surface use plan are reviewed by a BLM Archeologist and a BLM Wildlife Biologist. Wetlands (riparian areas), floodplains, soil permeability, water quality, and any special circumstances are also evaluated. The cultural evaluation involves contacting the State Historic Preservation Office (SHPO) and any other federal or state agency involved in the preservation of historic or prehistoric sites. The T/E evaluation involves contacting the State Wildlife Department, the State Natural Heritage Program, and/or the U.S. Fish and Wildlife Service. Each agency receives a 30-day time period for review and comment. BLM personnel or a private contractor (approved by the BLM and hired by the oil & gas operator) will, upon request, conduct an on-foot location inventory of the proposed well location.

After the Environmental Assessment of the surface use plan is completed, a checklist is sent to the operator requesting any additional information or special stipulations required before the APD can be approved. A BLM Environmental Scientist will inspect the proposed drilling location with the Operator's agent, dirt contractor, and Surface Management Agency (SMA) representative prior to approving the APD. After the proposed drilling location inspection, the SMA will advise the BLM if they require any additional stipulations. Additional stipulations could include seasonal use, elevation of drill pad, pad drainage, an archeologist on location to monitor site protection, or the rerouting of an access road to avoid an archeological site.

Upon completion of the proposed drill location visit, cultural evaluation, threatened and endangered species evaluation, and any additional evaluations, the APD may be approved. An approved APD with copies of regulations and stipulations attached is issued by the BLM to the lessee or their designated operator. An approved APD has an expiration date of one year, but a one year extension may be received upon request and approval.

## DRILLING PLAN

A drilling plan must be attached to the APD. This drilling plan must contain a description of the drilling program and surface use program. The drilling program shall include a description of the pressure control system and circulation mediums, the testing, logging and coring program, pertinent geologic data, and information on expected problems and hazards. The surface use program shall contain a description of the road, drill pad location, construction methods for containment and disposal of waste materials, plans for reclamation of the surface, and other pertinent data.

## BONDING REQUIREMENTS

The lessee or their designated operator must furnish a bond (minimum amount \$10,000) before any surface-disturbing activities related to drilling can begin. The bond requirement is to ensure compliance with all the lease terms and stipulations. If there is a change of operator, the new operator must state the bond under which he/she will operate. Bonds are not released until all the terms and conditions of the lease have been met. This means the well has been plugged and reclamation of the location completed as outlined in the surface use plan. An authorized officer of the BLM must inspect and approve all the work done.

## SPOUDDING AND DRILLING THE WELL

"Spudding in" or to "spud" a well, means to begin drilling operations. The operator must report by telephone, within one working day, to an authorized officer the spudding of the well. The lessee or their designated operator is responsible for the placement and maintenance at each well location of a sign identifying the well name and number, name of the operator, lease serial number, and surveyed location. The operator must submit daily drilling reports to the BLM designated representative during the drilling and completing of the well.

Drill-site preparation begins when a contractor moves in equipment to prepare the well location. If necessary, the location is leveled. A large pit is constructed to contain water for the drilling operations and disposal of drill cutting and drilling fluids. The necessary drilling equipment (engines, pumps, tanks, drilling rig, hoisting equipment, and etc.) is assembled. A large diameter hole is drilled to a shallow depth and lined with conductor pipe. The area between the conductor pipe and the wall of the well (well bore) is filled with cement from bottom to top. A smaller-diameter hole called a "rat hole" is drilled near the main bore hole. This rat hole is lined with pipe and is used for temporary storage of a piece of drilling equipment called the "kelly."

After the conductor pipe is set, the next type of pipe set in the well bore is called surface casing. The main purpose of this casing is to protect aquifers which may contain useable water, but surface casing also provides a mounting place for the blowout prevention equipment, and serves as support for any production casing that may be set if the well

is productive. In compliance with Federal Onshore Oil and Gas Order No. 2, surface casing is cemented and tested at pre-approved pressures. This surface casing may be several hundred or several thousand feet deep.

While drilling, the well is monitored closely to assure any angle of deviation is within tolerance requirements outlined in Federal Onshore Oil and Gas Order No. 2. Circulating mediums are used to lubricate and cool the drill bit and drill string, carry the formation cuttings to the surface, and protect and control formation pressures. These circulation mediums may be water, oil, gas, or air base.

#### LOGGING AND COMPLETING THE WELL

When the predetermined total depth of the well is reached, a logging company is employed for various types of evaluations. The logging tools are lowered to the bottom of the hole and then reeled slowly back to the surface while assembling (logging) information gathered by the tools. There are several types of well logs. The electrical log uses electricity and measures the natural electric potential and the effect of induced electricity on the formations. The radioactivity logs measure the natural radioactivity and the effect of induced radioactivity on the formations. Sonic logs measure the velocity of sound waves in the formations. (If a radioactive tool is lost in the hole and cannot be retrieved; the Nuclear Regulatory Commission is notified and the well is plugged with red cement above the lost tool and a permanent plaque is attached at the surface to the top of the casing. This plaque lists the type of equipment lost in the hole.)

Once the well is completed a Well Completion or Re-completion Report and Log (BLM Form 3160-4) must be submitted within 30 days to a BLM authorized officer. If the well is a dry hole, the operator may get oral approval to plug and abandon the well. Oral approval must be followed with written confirmation to the authorized officer.

#### PRODUCING THE WELL

Once the well is successfully completed, the operator must submit a start-up notice to the BLM authorized officer within 5 working days. If the report is submitted by telephone, it must be followed by written notice within the 5-day time period. The normal size of a well location with production equipment is from 1/2 to 1 acre. This size will vary with the amount of on-location production equipment required, and is outlined in the surface use plan.

#### MONTHLY REPORTS

While the well is producing, the operator must submit a Monthly Report of Operations (MRO) to the BLM. This report lists the monthly production for the well. Each well location is inspected once a year by a BLM authorized officer for compliance with Federal regulations and stipulations. If any violations are found, a report of Incident of Noncompliance (INC) is written and the report is sent to the operator with instructions to correct the violation within a certain time frame.

#### UNDESIRABLE EVENTS

All undesirable events will be reported to a BLM authorized officer immediately. Undesirable events include but are not limited to, oil spills, salt water spills, theft, fires, leaks, accidents, or other unusual occurrences. Once the BLM authorized officer is notified, procedures for reporting and investigating the event are carried out in accordance with BLM New Mexico State Office Instruction Memorandum, Undesirable Event Checklist.

#### CHANGE OF OPERATOR

Once producing, any operation at the well location that creates additional surface disturbance or effects a change in the well bore status requires a Notice of Intent be submitted to the BLM on the Sundry Notices and Reports on Wells (BLM Form 3160-5). Before any work is commenced, the plan must be approved with any necessary modifications and/or additions to conform to Federal regulations. Also, any change in lessee of record must be approved by BLM prior to the new lessee operating the well. Until the assignment of interest to the new (succeeding) lessee is approved the lessee of record remains responsible for all activities pertaining to the lease.

#### ABANDONING/RECLAIMING THE WELL LOCATION

If a well is no longer profitable to produce, an operator may wish to plug and abandon the well. No well may be abandoned without prior approval by the Tulsa District Office. In order to plug a well, an operator must submit on a Sundry Notice (BLM Form 3160-5) his intention to plug the well. For old wells not having an approved abandonment plan, a sketch showing the disturbed area and roads to be abandoned, along with the proposed reclamation measures, shall be submitted with the Sundry Notice. The BLM authorized officer reviews the plugging request and has the authority to authorize the plugging. BLM Petroleum Engineering Technicians witness all pluggings, and a BLM Environmental Engineer examines the area for evaluation of reclamation efforts. Final abandonment is not approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed satisfactorily.



## GLOSSARY



## GLOSSARY

ADVISORY COUNCIL ON HISTORIC PRESERVATION (ACHP) - A federal council that reviews the actions taken by agency officials which affect historic properties (cultural resources).

ALTERNATIVE - The different ways of addressing the planning issue(s) and management activities considered in the planning process. These provide the decisionmaker and the public a clear basis for choices among options. Every planning effort involves the development of several complete, reasonable alternatives for resolving the issue(s). One of the alternatives offered is the continuation of present management (no change) while the other alternatives provide a range of choices for resolution of the issues. One of the alternatives is selected at the end of the planning process and approved as the plan.

AUTHORIZED OFFICER - Any person authorized by the Secretary of the Interior, or his representative, to administer regulations.

CANDIDATE SPECIES - Category I: Plant and animal species for which the USFWS currently has on file substantial information to support a proposal to list as threatened or endangered. Category II: Plant and animal species for which current information indicates that a proposal to list as threatened or endangered is possibly appropriate, but for which more information is needed to support a listing proposal.

CULTURAL RESOURCES - Any cultural, archeological, historical, or architectural site, building, structure, District, or object.

CUMULATIVE IMPACT - The environmental impact resulting from the incremental impact of the action when added to other past, present, and reasonably foreseeable actions, regardless of the agency (federal or non-federal) or person(s) undertaking other actions. Cumulative impacts can result from individual minor, but collectively significant, actions taking place over a period of time.

ENDANGERED SPECIES - An animal or plant whose prospects of survival and reproduction are in immediate jeopardy, and as further defined by the Endangered Species Act of 1973, as amended.

ENDANGERED SPECIES ACT OF 1973 - (as amended): Federal law to ensure that no federal action will jeopardize federally listed or proposed threatened or endangered species of plants or animals.

ENVIRONMENTAL IMPACT STATEMENT (EIS) - A written analysis of the impacts on the environment of a proposed project or resource management plan.

FEDERAL LAND POLICY AND MANAGEMENT ACT OF 1976 (FLPMA) - Public Law 94-579, which gives the BLM legal authority to establish public land policy, to establish guidelines for administering such policy and to provide for the management, protection, development, and enhancement of the public land.

FLOODPLAIN - The nearly level alluvial plain that borders a stream or river and is subject to inundation during high water periods; the relatively flat area or lowland adjoining a body of standing or flowing water which has been or might be covered by floodwaters.

HABITAT- A specific set of physical conditions that surround a species, group of species or a large community. In wildlife management, the major constituents are considered to be food, water, cover, and living space.

HISTORIC PROPERTY - Any prehistoric or historic cultural resource.

HISTORIC SITE - The specific location of any cultural resource created after the time of first contact between European explorers and native Indians in each local area.

INDIAN TRIBE - The governing body of any Indian tribe, band, nation, or other group that is recognized by the Secretary of Interior and for which the United States holds land in trust or restricted status for that entity or its members.

INTEREST - The most general term that can be employed to denote a property in lands or chattels. In its application to lands or things real, it is frequently used in connection with the term "estate," "right," and "title," and includes them all. The terms "interest" and "title" are not synonymous. "Interest" more particularly means a right to have the advantage accruing from something; a partial or undivided right, but less than title.

INVERTEBRATE - An animal lacking a backbone or spinal column.

ISSUE - A matter of controversy over resource management activities that is typically discrete and provides alternatives for a decision. Typically the causal relationship between the activity and undesirable results is documentable and the level of controversy is high enough to merit further analysis. Statement of the planning issue orients the resource management planning process so the vigor of interdisciplinary thought, analysis, and documentation is directed toward resolving the planning issues during the preparation of a Resource Management Plan.

LEASE NOTICE - Provides more detailed information concerning limitations that already exist in law, lease terms, regulations, or operational orders. A Lease Notice also addresses special items the lessee would consider when planning operations, but does not impose new or additional restrictions.

LEASE STIPULATIONS - Additional specific terms and conditions that change the manner in which operation may be conducted on a lease, or modify the lease rights granted.

MANAGEMENT SITUATION ANALYSIS (MSA) - A step in the BLM planning process that identifies existing management, physical resources, and opportunities to meet the needs, concerns, and issues identified through resource management planning. The MSA results in a reference document, which is kept in the resource area office. The MSA document is open for public inspection but is not distributed to the public.

MEMORANDUM OF UNDERSTANDING (MOU) - Signed pact between two entities agreeing to some course of action or inaction.

MEGAFUNA - Animals, living or fossil, that are large enough to be seen and studied with the unaided eye (especially the largest mammals like horse, mammoth, camel, bear, etc.)

MITIGATION - The alleviation or lessening of possible adverse effects upon a resource by application of appropriate protective measures or adequate scientific study.

MINERAL ESTATE - Mineral and/or subsurface ownership.

MITIGATION MEASURES - Methods or procedures committed to by BLM for the purpose of reducing or lessening the impacts of an action.

NATIONAL ENVIRONMENTAL POLICY ACT OF 1969 (NEPA) - Public Law 91-190. Establishes environmental policy for the nation. Among other items, NEPA requires federal agencies to consider environmental values in decision-making processes.

NATIONAL HISTORIC PRESERVATION ACT (NHPA) - The primary federal law providing for the protection and preservation of our cultural resources. Making it a national policy to preserve our cultural heritage, NHPA established the National Register of Historic Places, the Advisory Council on Historic Preservation and State Historic Preservation Officers.

NATIONAL REGISTER OF HISTORIC PLACES (NRHP) - A list of districts, sites, buildings, structures and objects significant in American history, architecture, archeology and culture maintained by the Secretary of the Interior. Expanded as authorized by Section 2(b) of the Historic Sites Act of 1935 (16 U.S.C. 462) and Section 101(a)(1) (A) of the National Historic Preservation Act.

NATIONAL REGISTER QUALITY SITE - A cultural resource site determined to be eligible for nomination to the National Register of Historic Places by virtue of its local, state or national significance.

NO SURFACE OCCUPANCY (NSO) - A fluid mineral leasing stipulation that prohibits occupancy or disturbance on all or part of the lease surface in order to protect special values or uses. Lessees may exploit the oil and gas or geothermal resources under leases restricted by this stipulation through use of directional drilling from sites outside the no surface occupancy area.

PALEONTOLOGICAL RESOURCE - Any impressions, footprints, trackways, fossilized, or preserved organic remains not associated with a cultural resource.

PATENT - A grant of some privilege, property, or authority, made by the Government, or sovereign of a country to one or more individuals. A land patent is a muniment of title issued by a government or state for the conveyance of some portion of public domain.

PUBLIC PARTICIPATION - Part of the BLM's planning system that provides the opportunity for citizens as individuals or groups to express local, regional and national perspectives and concerns in the rulemaking, decisionmaking, inventory and planning processes for public land. This includes public meetings, hearings or advisory boards or panels that may review resource management proposals and offer suggestions or criticisms for the various alternatives considered.

PREHISTORIC SITE - (opposite of historic site) the specific location of an cultural resource created before the time of the first contact between European explorers and the native tribes of that area.

RECLAMATION - Returning disturbed lands to a form and productivity that will be ecologically balanced and in conformity with a predetermined land management plan.

RECREATION AND PUBLIC PURPOSES ACT (R&PP) - This Act authorizes the Secretary of the Interior to lease or convey public lands for recreational and public purposes under specified conditions to states or their political subdivisions, and to nonprofit corporations and associations.

RESOURCE AREA - The smallest administrative subdivision of a BLM district.

RIPARIAN HABITAT (AREAS) - Areas of land directly influenced by permanent water and having visible characteristics, e.g., vegetation, reflective of the presence of permanent water, i.e., surface and/or subsurface.

SCOPING PROCESS - An early and open process for determining the scope of issues to be addressed and for identifying the significant issues related to a proposed action. Scoping may involve public meetings, field interviews with representatives of agencies and interest groups, discussions with resource specialists and managers, written comments in response to news releases, direct mailings and articles about the proposed action and scoping meetings.

STATE HISTORIC PRESERVATION OFFICER (SHPO) - is the official appointed by each state's Governor to lead that state's historic preservation program and review all actions that affect the state's National Register Sites.

SPECIAL STATUS SPECIES - Wildlife and plant species either federally listed or proposed for listing as endangered or threatened, state-listed or BLM-determined priority species.

SURFACE MANAGING AGENCY (SMA) - is that agency of the federal government which has the primary control and responsibility over a particular area of land (such as the National Park Service, the U.S. Forest Service, the Bureau of Reclamation, Army Corps of Engineers, or the Bureau of Land Management).

SPLIT ESTATE - Lands where the owner of the mineral rights and the surface owner are not the same party in interest. The most common split estate is Federal ownership of mineral rights and other interest ownership of the surface.

Lands or real estate where the federal government owns the sub-surface mineral rights, and the surface is owned by a private citizen or business.

THREATENED SPECIES - Any plant or animal species that is likely to become an endangered species throughout all or a significant portion of its range, as defined by the U.S. Fish and Wildlife Service under the authority of the Endangered Species Act of 1973.

TIMING LIMITATION (SEASONAL RESTRICTION) - Prohibits surface use during specified time periods to protect identified resource values. The stipulation does not apply to the operation and maintenance of production facilities unless the findings of analysis demonstrate the continued need for such mitigation and that less stringent, project-specific mitigation measures would be insufficient.

VEGETATION - Plants in general or the sum total of the plant life above and below ground in an area.

VERTEBRATE - An animal having a backbone or spinal column.

## ACRONYMS

APD	Application for Permit to Drill
AIIRFA	American Indian Religion Freedom Act of 1978
ARPA	Archeological Resources Protection Act of 1966
BLM	Bureau of Land Management
BOR	Bureau of Reclamation
CFR	Code of Federal Regulations
CNG	Cimarron National Grasslands
COA	Conditions of Approval
COE	Corp of Engineers
DOD	Department of Defence
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency
EO	Executive Order
ESA	Endangered Species Act
F	Fahrenheit
FLPMA	The Federal Land Policy and Management Act
FMA	Fluid Mineral Assessment
FR	Federal Register
KBS	Kansas Biological Survey
KBSNHP	Kansas Biological Survey's National Heritage Program
KCCOE	Kansas City District of Corp of Engineers
KDWP	Kansas Department of Wildlife and Parks
KGS	Kansas Geological Survey
KSNHP	Kansas Natural Heritage Program
MKT	Missouri, Kansas, Texas
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
MSA	Management Situation Analysis
MWS	Maximum Water Surface
NEPA	National Environmental Policy Act
NESA	National Environmental Study Area
NHPA	National Historic Preservation Act of 1966
NRHP	National Register of Historic Places
NSO	No Surface Occupancy
NWI	National Wetland Inventory
ORA	Oklahoma Resource Area
R&PP	Recreation and Public Purpose Act
RFD	Reasonable Foreseeable Development
RMP	Resource Management Plan
SCS	Soil Conservation Service
SHPO	State Historic Preservation Officer
SMA	Surface Management Agency
SPA	Supplemental Planning Analysis
SSS	Special Status Species
STC	Standard Terms and Conditions
TDCOE	Tulsa District of Corp of Engineers
T/E	Threatened or Endangered
USDA	U.S. Department of Agriculture
USDI	U.S. Department of the Interior
USFS	U.S. Forest Service
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey



