

APPENDIX G

**BUREAU OF LAND MANAGEMENT
BUFFALO FIELD OFFICE**

**FORTIFICATION CREEK RESOURCE MANAGEMENT PLAN
AMENDMENT**

LEASE STIPULATIONS

March 2011

Resource Protection Stipulations Applied to Leases within the Fortification Creek Planning Area.

The following table identifies the stipulations applied to each lease within the FCPA, lease notices and guidance statements are not included. The full stipulation text follows the table. There may be minor variations in the text between leases. Locational descriptions on stipulations that may apply to only a portion of the lease are not identified.

Lease	Effective Date	Stipulations
WYW-030762	10/01/1971	None
WYW-031336	11/01/1971	None
WYW-031786	12/01/1971	None
WYW-032847	04/01/1972	None
WYW-083558	05/01/1983	Blend with Surroundings Surface Disturbance 1 Cultural Resources Non-conventional Oil Recovery Slope NSO Surface Disturbance 2 Surface Disturbance 3 Watershed TLS 1
WYW-084915	08/15/1983	Blend with Surroundings Cultural Resources Elk Calving NSO 1 Elk Critical Winter Range Production Non-conventional Oil Recovery Slope NSO Surface Disturbance 1 Surface Disturbance 2 Surface Disturbance 3 Wildlife Seasonal Habitat TLS
WYW-036706	10/03/1972	Notification
WYW-040809	09/01/1973	Reclamation Timing Surface Disturbance 1 Surface Disturbance 2 Surface Disturbance 3 Watershed TLS 2
WYW-040814	09/01/1973	Reclamation Timing Surface Disturbance 1 Surface Disturbance 2 Surface Disturbance 3 Watershed TLS 2
WYW-042101	12/01/1973	Reclamation Timing Surface Disturbance 1 Surface Disturbance 2 Surface Disturbance 3 Watershed TLS 2
WYW-082738	09/01/1973	Reclamation Timing Watershed TLS 2

Lease	Effective Date	Stipulations
WYW-084917	08/01/1983	Blend with Surroundings Cultural Resources Elk Calving NSO 1 Elk Critical Winter Range Production Non-conventional Oil Recovery Reservoir Buffer Slope NSO Surface Disturbance 1 Surface Disturbance 2 Surface Disturbance 3 Wildlife Seasonal Habitat TLS
WYW-084920	08/01/1983	Blend with Surroundings Cultural Resources Non-conventional Oil Recovery Sage-Grouse NSO/TLS Slope NSO Surface Disturbance 1 Surface Disturbance 2 Surface Disturbance 3 Watershed TLS 1
WYW-084921	08/01/1083	Blend with Surroundings Cultural Resources Non-conventional Oil Recovery Sage-Grouse NSO/TLS Slope NSO Surface Disturbance 1 Surface Disturbance 2 Surface Disturbance 3 Watershed TLS 1
WYW-084936	09/01/1983	Blend with Surroundings Cultural Resources Non-conventional Oil Recovery NSO (resource not defined) Slope NSO Surface Disturbance 1 Surface Disturbance 2 Surface Disturbance 3 Watershed TLS 1
WYW-084939	06/01/1983	Blend with Surroundings Cultural Resources Non-conventional Oil Recovery Slope NSO Stream Buffer Surface Disturbance 1 Surface Disturbance 2 Surface Disturbance 3 Watershed TLS 1

Lease	Effective Date	Stipulations
WYW-087599	03/01/1984	Blend with Surroundings Cultural Resources Non-conventional Oil Recovery Sage-Grouse NSO/TLS Slope NSO Watershed TLS 1
WYW-090969	05/01/1985	Elk Calving NSO 2
WYW-092023	12/01/1971	None
WYW-108592	01/01/1990	Surface Disturbance 4
WYW-114691	02/01/1989	Surface Disturbance 4 Watershed NSO 1
WYW-125401	11/01/1991	Elk Winter/Calving TLS Surface Disturbance 4
WYW-125982	01/01/1992	Surface Disturbance 4 Watershed NSO
WYW-127413	09/01/1992	Soil NSO Surface Disturbance 4
WYW-127422	09/01/1992	Soil NSO Surface Disturbance 4
WYW-130291	09/01/1993	Multiple Mineral Development
WYW-130292	09/01/1993	Multiple Mineral Development
WYW-131736	03/01/1994	Multiple Mineral Development Sage-Grouse Nesting TLS
WYW-131742	03/01/1994	Big Game Crucial Winter Range TLS Multiple Mineral Development Watershed NSO 2
WYW-132253	06/01/1994	Big Game Crucial Winter Range TLS Multiple Mineral Development Watershed NSO 2
WYW-132254	06/01/1994	Multiple Mineral Development
WYW-132255	06/01/1994	Multiple Mineral Development
WYW-132259	06/01/1994	Big Game Crucial Winter Range TLS Multiple Mineral Development Watershed NSO 2
WYW-132924	08/01/1994	Big Game Crucial Winter Range TLS Elk Calving NSO 3 Multiple Mineral Development
WYW-132925	08/01/1994	Multiple Mineral Development
WYW-133615	10/01/1994	Elk Calving NSO 3 Multiple Mineral Development
WYW-133616	10/01/1994	Multiple Mineral Development
WYW-133617	10/01/1994	Elk Calving NSO 3 Multiple Mineral Development
WYW-133622	10/01/1994	Big Game Crucial Winter Range TLS Multiple Mineral Development
WYW-133623	10/01/1994	Multiple Mineral Development
WYW-134916	02/01/1995	Multiple Mineral Development

Lease	Effective Date	Stipulations
WYW-135618	04/01/1995	Multiple Mineral Development Raptor Nesting TLS
WYW-135625	04/01/1995	Elk Crucial Winter Range CSU Multiple Mineral Development
WYW-137639	11/01/1995	Big Game Crucial Winter Range TLS Multiple Mineral Development
WYW-137646	11/01/1995	Multiple Mineral Development
WYW-138136	02/01/1996	Multiple Mineral Development Sage-Grouse Nesting TLS
WYW-138448	03/01/1996	Multiple Mineral Development
WYW-139092	07/01/1996	Multiple Mineral Development
WYW-139093	07/01/1996	Elk Calving/Winter NSO Multiple Mineral Development
WYW-139094	07/01/1996	Elk Calving/Winter NSO Multiple Mineral Development
WYW-139095	07/01/1996	Big Game Crucial Winter Range TLS Multiple Mineral Development Wilderness and Wildlife CSU
WYW-139107	07/01/1996	Big Game Crucial Winter Range TLS Multiple Mineral Development Wilderness and Wildlife CSU
WYW-139680	09/01/1996	Multiple Mineral Development
WYW-139810	09/01/1996	Elk Crucial Winter Range/Calving CSU Multiple Mineral Development
WYW-141579	06/01/1997	Elk Crucial Winter Range CSU Multiple Mineral Development WSA CSU
WYW-141581	06/01/1997	Bald Eagle Winter CSU Big Game Crucial Winter Range TLS Elk Crucial Winter Range CSU Multiple Mineral Development Raptor Nesting TLS
WYW-141582	06/01/1997	Elk Crucial Winter Range/Calving CSU Multiple Mineral Development
WYW-141585	07/01/1997	Bald Eagle Winter CSU Elk Crucial Winter Range CSU Multiple Mineral Development Raptor Nesting TLS
WYW-142832	10/01/1997	Multiple Mineral Development
WYW-143158	02/01/1998	Elk Crucial Winter Range CSU Multiple Mineral Development WSA CSU
WYW-143159	02/01/1998	Elk Crucial Winter Range/Calving CSU Multiple Mineral Development
WYW-143161	02/01/1998	Elk Crucial Winter Range CSU Multiple Mineral Development
WYW-143980	02/01/1998	Elk Calving/Winter NSO Multiple Mineral Development

Lease	Effective Date	Stipulations
WYW-143981	02/01/1998	Multiple Mineral Development Raptor Nesting TLS
WYW-145193	06/01/1998	Elk and Visual CSU Multiple Mineral Development
WYW-145194	06/01/1998	Elk and Visual CSU Multiple Mineral Development
WYW-146292	10/01/1998	Big Game Crucial Winter Range TLS Elk and Visual CSU Multiple Mineral Development
WYW-146294	10/01/1998	Multiple Mineral Development
WYW-146295	10/01/1998	Multiple Mineral Development
WYW-146296	10/01/1998	Big Game Crucial Winter Range TLS Elk and Visual CSU Multiple Mineral Development
WYW-146308	10/01/1998	Multiple Mineral Development
WYW-146309	10/01/1998	Multiple Mineral Development
WYW-146311	10/01/1998	Multiple Mineral Development
WYW-146312	10/01/1998	Multiple Mineral Development
WYW-146313	10/01/1998	Multiple Mineral Development
WYW-146317	10/01/1998	Multiple Mineral Development
WYW-146319	10/01/1998	Big Game Crucial Winter Range TLS Elk and Visual CSU Multiple Mineral Development
WYW-146320	10/01/1998	Big Game Crucial Winter Range TLS Elk and Visual CSU Multiple Mineral Development
WYW-146321	10/01/1998	Multiple Mineral Development
WYW-146322	10/01/1998	Multiple Mineral Development
WYW-146323	10/01/1998	Multiple Mineral Development
WYW-146810	12/01/1998	Multiple Mineral Development
WYW-146813	12/01/1998	Elk Crucial Winter Range/Calving CSU Multiple Mineral Development
WYW-147337	02/01/1999	Big Game Crucial Winter Range TLS Multiple Mineral Development Sage-Grouse/Sharp-Tailed Grouse Nesting TLS
WYW-147349	02/01/1999	Multiple Mineral Development
WYW-149357	10/01/1994	Big Game Crucial Winter Range TLS Multiple Mineral Development
WYW-149358	10/01/1994	Multiple Mineral Development
WYW-149361	07/01/1996	Big Game Crucial Winter Range TLS Multiple Mineral Development Wilderness and Wildlife CSU
WYW-151170	10/01/2000	Multiple Mineral Development
WYW-151177	10/01/2000	Multiple Mineral Development
WYW-151680	10/01/1998	Big Game Crucial Winter Range TLS Elk and Visual CSU Multiple Mineral Development

Lease	Effective Date	Stipulations
WYW-151709	12/01/2000	Big Game Crucial Winter Range TLS Elk Calving NSO 3 Multiple Mineral Development Wilderness and Wildlife CSU
WYW-153356	10/01/1998	Multiple Mineral Development
WYW-153359	10/01/2000	Multiple Mineral Development
WYW-155328	10/01/1998	Multiple Mineral Development
WYW-159005	02/01/1998	Elk Crucial Winter Range CSU Multiple Mineral Development
WYW-159006	02/01/1998	Elk Crucial Winter Range CSU Multiple Mineral Development WSA CSU
WYW-159007	10/01/2000	Multiple Mineral Development
WYW-160053	02/01//1998	Elk Crucial Winter Range CSU Multiple Mineral Development WSA CSU
WYW-160381	10/01/2000	Multiple Mineral Development
WYW-162028	02/01/1998	Elk Calving/Winter NSO Multiple Mineral Development
WYW-162029	02/01/1999	Big Game Crucial Winter Range TLS Multiple Mineral Development Sage-Grouse/Sharp-Tailed Grouse Nesting TLS
WYW-162030	12/01/2000	Elk Calving NSO 3 Multiple Mineral Development
WYW-163521	02/01/1998	Elk Crucial Winter Range CSU Multiple Mineral Development WSA CSU
WYW-172690	10/01/2000	Multiple Mineral Development

Stipulations:

Bald Eagle Winter CSU – Surface occupancy or use is subject to the following special operating constraints. (1) Surface occupancy or use within the Powder River Eagle Habitat will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of the anticipated impacts; On the lands described below: (2) as mapped on the Buffalo RMP map; For the purpose of: (3) protecting winter Bald Eagle Habitat.

Big Game Crucial Winter Range TLS – No surface use is allowed during the following time period(s). This stipulation does not apply to operation and maintenance of production facilities. (1) Nov 15 to Apr 3-; On the lands described below: (2) (location); For the purpose of (reasons): (3) protecting big game crucial winter range.

Blend with Surroundings – to maintain esthetic values, all semi-permanent and permanent facilities may require painting or camouflage to blend with the natural surroundings. The paint selection or method of camouflage will be subject to approval by the District Manager, Bureau of Land Management.

Cultural Resources – The Federal surface management agency is responsible for assuring the leased lands are examined to determine if cultural resources are present and to specify mitigation measures. Prior to undertaking any surface-disturbing activities on the lands covered by this lease, the lessee or

operator, unless notified to the contrary by the authorized officer of the surface management agency or BLM as appropriate, shall:

1. Contact the appropriate BLM office on lands managed by BLM or the appropriate surface managing agency on lands where the surface is administered by such agency to determine if a site specific cultural resource inventory is required. If a survey is required, then;
2. Engage the services of a qualified cultural resource specialist acceptable to the Federal surface management agency to conduct an intensive inventory for evidence of cultural resource values;
3. Submit a report acceptable to the authorized officer of the surface management agency; and
4. Implement mitigation measures required by the surface management agency to preserve or avoid destruction of cultural resource values. Mitigation may include relocation of proposed facilities, testing and salvage or other protective measures. Where impacts cannot be mitigated to the satisfaction of the surface managing agency, surface occupancy on that area must be prohibited.

The lessee or operator shall immediately bring to the attention of the Bureau of Land Management or the authorized officer of the Federal surface management agency any cultural resources or any other object of scientific interest discovered as a result of surface operations under this lease, and not disturb such discoveries until directed to proceed by the Bureau of Land Management.

Elk Calving NSO 1 – All of the land in (...) is included in Elk Calving Area. Therefore, no occupancy or disturbance of the surface of the land described in this lease is authorized. The lessee, however, may exploit the oil and gas resources in this lease by directional drilling from sites outside the lease. If a proposed drilling site lies on lands administered by the Bureau of Land Management, a permit for use of the site must be obtained from the BLM District Manager before drilling or other development begins.

Elk Calving NSO 2 – No occupancy or other activity on the surface of (location) is allowed under this lease (elk calving area).

Elk Calving NSO 3 – No surface occupancy or use is allowed on the lands described below (legal subdivision or other description). (1) (location); For the purpose of: (2) protecting elk parturition area in Fortification Creek.

Elk Calving/Winter NSO – No surface occupancy or use is allowed on the lands described below (legal subdivision or other description). (1) location; For the purpose of: (2) Fortification Creek Plan; (3) protecting crucial elk parturition calving and wintering habitat.

Elk Critical Winter Range Production – Concerning elk winter range in the Fortification Creek Area where production is established, the oil or gas will be piped to tank batteries outside the critical elk winter range.

Elk Crucial Winter Range CSU – Surface occupancy or use is subject to the following special operating constraints. (1) Surface occupancy or use within the Fortification Oil and Gas Plan area will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; On the lands described below: (2) (location); For the purpose of: (3) protecting elk crucial winter range.

Elk Crucial Winter Range/Calving CSU – Surface occupancy or use is subject to the following special operating constraints. (1) Surface occupancy or use within the Fortification Creek Area will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts. This may include development, operations and maintenance of facilities; On the lands described below: (2) (location); For the purpose of: (3) protecting elk crucial winter and parturition range.

Elk Winter/Calving TLS – To protect important big game ungulate winter habitat, drilling and other surface disturbing activity will not be allowed during the period from November 15 to April 30 within certain areas encompassed by this lease. The same criterion applies to elk calving areas from the period of May 1 to June 30. This limitation does not apply to maintenance and operation of producing wells. Modifications to this limitation in any year may be approved in writing by the Authorized Officer.

Elk and Visual CSU – Surface occupancy or use is subject to the following special operating constraints. (1) Surface occupancy or use within the Fortification Creek Management Area will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts. This may include development, operations and maintenance of facilities; On the lands described below: (2) as mapped on the Buffalo RMP map; For the purpose of: (3) protecting elk and visual resources.

Multiple Mineral Development – Operations will not be approved which, in the opinion of the authorized officer, would unreasonably interfere with the orderly development and/or production from a valid existing mineral lease issued prior to this one for the same lands.

Non-conventional Oil Recovery – Under the provisions of Public Law 97-78, this lease includes all deposits of non-gaseous hydrocarbon substances other than coal, oil shale, or gilsonite (including all vein-type solid hydrocarbons). Development by methods not conveniently used for oil and gas extraction such as fire flooding and including surface mining will require the lessee to submit a plan of operations and will be subject to regulations governing development by such methods when those rules are issued by the Bureau of Land Management, and the rules or procedures of the surface managing agency, if other than BLM. Development may proceed only if the plan of operations is approved.

Notification – The lessee or his designated operators shall notify the Casper District Manager, Bureau of Land Management, at least ten days in advance of initiation of any activities on the public land surface included in this lease. The District Manager may determine where necessary the location of all exploratory and development facilities, including but not limited to, such items as roads, well sites, pipelines, etc. The District Manager may also prescribe construction, restoration and other surface protection measures to protect the land surface and prevent erosion.

NSO (resource not defined) – No occupation or other activity on the surface of (location) is allowed under this lease.

Raptor Nesting TLS – No surface use is allowed during the following time period(s). This stipulation does not apply to operation and maintenance of production facilities. (1) Feb 1 to Jul 31; On the lands described below: (2) (location): For the purpose of (reasons): (3) protecting raptor nesting habitat.

Reclamation Timing – Reclamation of areas disturbed as a result of lessee's operations will be done, insofar as possible, concurrently with operations.

Reservoir Buffer – No drilling or storage facilities will be allowed within 500 feet of the reservoir located in (location). This distance may be modified when specifically approved in writing by the District Manager, Bureau of Land Management.

Sage-Grouse Nesting TLS – No surface use is allowed during the following time period(s). This stipulation does not apply to operation and maintenance of production facilities. (1) Feb 1 to Jul 31; On

the lands described below (2) (location); For the purpose of (reasons): (3) protecting sage grouse nesting habitat.

Sage-Grouse/Sharp-Tailed Grouse Nesting TLS - No surface use is allowed during the following time period(s). This stipulation does not apply to operation and maintenance of production facilities. (1) Feb 1 to Jul 31; On the lands described below (2) as mapped on the Buffalo RMP map; For the purpose of (reasons): (3) protecting sage/sharp-tailed grouse nesting habitat.

Sage-Grouse NSO/TLS – No occupancy or other surface disturbance will be allowed within a 1,320-foot radius of the center of a sage grouse strutting ground (lek). No exceptions will be granted. In order to protect the nesting area around the strutting ground, exploration, drilling, and other development activity will be allowed within a 1 3/4 –mile distance from the ¼-mile lek protection zone only during the period June 15 to March 1. Exceptions to the monthly limitations in any year may be specifically authorized in writing by the District Manager, Bureau of Land Management.

Slope NSO – No occupancy or other surface disturbance will be allowed on slopes in excess of 25 percent, without written permission from the District Manager, Bureau of Land Management.

Soil NSO – No surface occupancy will be allowed on the following described lands: (location) because of steep and fragile soils.

Stream Buffer – No occupancy or other surface disturbance will be allowed within 500 feet of the (name) creek. This distance may be modified when specifically approved in writing by the District Manager/Bureau of Land Management.

Surface Disturbance 1- Notwithstanding any provision of this lease to the contrary, any drilling, construction, or other operation on the leased lands that will disturb the surface thereof or otherwise affect the environment, hereinafter called “surface disturbing operation,” conducted by lessee shall be subject, as set forth in this stipulation, to prior approval of such operation by the District Manager in consultation with appropriate surface management agency and to such reasonable conditions, not inconsistent with the purposes for which the lease is issued, as the District Manager may require to protect the surface of the eased lands and the environment.

Surface Disturbance 2 – Prior to entry upon the land or the disturbance of the surface thereof for drilling or other purposes, lessee shall submit for approval two (2) copies of a map and explanation of the nature of the anticipated activity and surface disturbance to the District Manager, as appropriate, and will also furnish the appropriate surface management agency named above, with a copy of such map and explanation.

An environmental analysis will be made by the Bureau of Land Management in consultation with the appropriate surface management agency for the purpose of assuring proper protection of the surface, the natural resources, the environment, existing improvements, and for assuring timely reclamation of disturbed lands.

Surface Disturbance 3 – Upon completion of said environmental analysis, the District Manager as appropriate, shall notify lessee of the conditions, if any, to which the proposed surface disturbing operations will be subject.

Said conditions may relate to any of the following:

- a. location of drilling or other exploratory or developmental operations or the manner in which they are to be conducted;
- b. types of vehicles that may be used and areas in which they may be used; and
- c. manner or location in which improvements such as roads, buildings, pipelines, or other improvements are to be constructed.

Surface Disturbance 4

Surface disturbance will be prohibited in any of the following areas or conditions. Modifications to this limitation may be approved in writing by the Authorized Officer.

- a. slopes in excess of 25%
- b. within important scenic areas (Class I and II Visual Resource Management areas).
- c. within 500 feet of surface water and/or riparian areas.
- d. within a quarter mile or visual horizon (whichever is closer) of significant sites along historic trails.
- e. construction with frozen material or during periods when the soil material is saturated, frozen, or when watershed damage is likely to occur.

Watershed NSO 1 – No surface occupancy will be allowed on the following described lands (location); Fortification Creek Management Plan, because of extremely steep and fragile watershed.

Watershed NSO 2 – No surface occupancy or use is allowed on the lands described below (legal subdivision or other description). (1) (location); For the purpose of: (2) protecting the steep topography and fragile watershed.

Watershed TLS 1 – In order to minimize watershed damage, exploration, drilling, and other development activities will be allowed only during the period from June 15 to February 28. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically authorized in writing by the District Manager, Bureau of Land Management.

Watershed TLS 2 – In order to minimize watershed damage, during wet or heavy snow periods the Casper District Manager, Bureau of Land Management, may prohibit exploration, drilling or other development. This limitation does not apply to maintenance and operation of producing wells.

Wilderness and Wildlife CSU – Surface occupancy or use is subject to the following special operating constraints. (1) Surface occupancy or use within the Fortification Creek Plan area will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts. This may include development, operations and maintenance of facilities; On the lands described below: (2) as mapped on the Fortification Creek Plan; For the purpose of: (3) protecting wilderness values and wildlife habitat.

WSA CSU – Surface occupancy or use is subject to the following special operating constraints. (1) Surface occupancy or use within the Fortification Creek Area will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; On the lands described below: (2) as mapped on the Buffalo RMP map; For the purpose of: (3) protecting Fortification Creek Wilderness Study Area.

Wildlife Seasonal Habitat TLS – In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity will be allowed only during the period from May 1 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this

limitation in any year may be specifically authorized in writing by the District Manager, Bureau of Land Management.