

**United States Department of the Interior
Bureau of Land Management**

**Environmental Assessment
DOI-BLM-WY-WR02-2010-071-EA**

July 2010

**Previously Sold Lease Parcels
June 2008-May 2010**

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BLM



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Affected Resources EA Checklist

Bureau of Land Management, Cody Field Office

DOI-BLM-WY-020-2010-071-EA

June 2008 through May 2010 Lease Issuance for the Cody Field Office

Determination	Resource	Rationale for Determination
PI	Air Quality	<p>Management Objective The air quality management objective is to maintain air quality at State of Wyoming standards, or better, consistent with the Wyoming Standards for Healthy Rangelands. (See Appendix J.)</p> <p>Management Actions No specific management action initiatives are associated with this program. However, management actions conducted under other program initiatives, such as the use of prescribed fire or construction and mining activities will be conducted to avoid violation of the Wyoming and National ambient air quality standards.</p> <p>Page 9, Cody Field Office (Resource Area) Record of Decision (ROD), November 8, 1990</p> <p>New information about current air quality will be available in the Bighorn Basin Resource Management Plan Revision..</p>
PI	Areas of Critical Environmental Concern	Chapman Bench – Deferral due to Mountain Plover and/or Curlew
NP	BLM Natural Areas	N/A
NI	Cultural Resources	(Appendix B Items 3, 5, and Summary Restrictions, Pages 61-64, Cody ROD, 11/8/1990)
PI	Greenhouse Gas Emissions	Executive Order 13423 “Strengthening Federal Environmental, Energy, and Transportation Management,” additional constraints and goals to achieve was set down by the Secretary of Interior – Salazar on January 24, 2007.
NP	Environmental Justice	N/A

NP	Farmlands (Prime or Unique)	N/A
NI	Fish and Wildlife Excluding Federally Listed Species	Timing Lease Stipulations February 1 to July 31 and other Restrictions and Mitigations at locations below: <ul style="list-style-type: none"> • (Appendix B, Item 2, Pages 60-61, Cody Field Office ROD, 11/8/1990). • (Summary of Restrictions or Mitigation Requirements for Surface Disturbing Activities in the Cody RMP Bighorn Basin, Page 63, 65, 66)
NI	Floodplains	Affects from surface disturbing activities was analyzed in the Cody Field Office RMP FEIS/ROD, Appendix B. November 8, 1990
NI	Fuels/Fire Management	Affects from surface disturbing activities was analyzed in the Cody Field Office RMP FEIS/ROD, Appendix B. November 8, 1990
NI	Geology/Mineral Resources/Energy Production	Affects from surface disturbing activities was analyzed in the Cody Field Office Resource Management Plan Resource Management Plan (RMP) Final Environmental Impact Statement (FEIS) and Record of Decision (ROD), Appendix B. November 8, 1990
NI	Hydrologic Conditions	Affects from surface disturbing activities was analyzed in the Cody Field Office RMP FEIS/ROD, Appendix B. November 8, 1990,
NI	Invasive Species/Noxious Weeds	The Cody Field Office, operates under INPS protocols as set forth in the following documents: Vegetation Treatment on BLM Lands in the Seventeen Western States FEIS and ROD (2007); Management Plan for Invasive Weeds in the Bighorn Basin of Wyoming (WY-010-EA4-34), Executive Order 13112-1999 provides guidance to federal agencies involving INPS; Cooperative agreements with weed and pest control districts: KA051028 (Big Horn County) and AA051026 (Park County).

NI	Lands/Access	Affects from surface disturbing activities was analyzed in the Cody Field Office RMP FEIS/ROD and appropriate mitigation measures attached to lease parcels were set down in Appendix B of the ROD, November 8 , 1990.
NI	Livestock Grazing	Affects from surface disturbing activities was analyzed in the Cody Field Office RMP FEIS/ROD, Appendix B. November 8, 1990,
NI	Migratory Birds	The act of the proposed action (leasing) would have no affect on this resource. Site specific NEPA for proposed surface disturbing activities would further analyze affects and mitigation applied in compliance with the Migratory Bird Species-Interim Management Guidance Policy (included within Instruction Memorandum No. 2008-050)
NI	Native American Religious Concerns	Affects from surface disturbing activities was analyzed in the Cody Field Office RMP FEIS/ROD, Appendix B. November 8, 1990,
NI	Paleontology	The act of the proposed action (leasing) would have no affect on this resource. Affects from surface disturbing activities was analyzed in the Cody Field Office RMP FEIS/ROD, Appendix B. November 8, 1990,
NI	Rangeland Health Standards	Affects from surface disturbing activities was analyzed in the Cody Field Office RMP FEIS/ROD, Appendix D. November 8, 1990
NI	Recreation	Affects from surface disturbing activities was analyzed in the Cody Field Office RMP FEIS/ROD, Appendix B. November 8, 1990,
PI	Socio-Economics	Socioeconomic data was updated, and analysis based on more recent information is provided.
NI	Soils	Affects from surface disturbing activities was analyzed in the Cody Field Office RMP FEIS/ROD, Appendix B. November 8, 1990,
NI	Threatened, Endangered or Candidate Plant Species	Maintenance Action: IM-WYW-2007-020: Programmatic Biological Agreement (BA) Between the BLM and USFWS regarding the Ute's Ladies Tresses Orchid.

PI	Threatened, Endangered or Candidate Animal Species	Affects from surface disturbing activities was analyzed in the Cody Field Office Resource Management Plan Final Environmental Impact Statement and Record of Decision. New information and policy changes are discussed further in the EA., Other Maintenance Actions and Programmatic BAs for grizzly bear, wolf, Canada lynx, black footed ferret, black and white tailed parried dog, etc. <u>Discussed in this EA are: Sage grouse, Mountain Plover, and Curlew</u>
NP	Wastes (hazardous or solid)	N/A
NI	Water Resources/Quality (drinking/surface/ground)	Affects from surface disturbing activities was analyzed in the Cody Field Office RMP FEIS/ROD, Appendix B. November 8, 1990
NI	Wetlands/Riparian Zones	Affects from surface disturbing activities was analyzed in the Cody Field Office RMP FEIS/ROD, Appendix B. November 8, 1990
NI	Wild and Scenic Rivers	Affects from surface disturbing activities was analyzed in the Cody Field Office RMP FEIS/ROD, Appendix B. November 8, 1990
NI	Wilderness/WSA	Affects from surface disturbing activities was analyzed in the Cody Field Office RMP FEIS/ROD, Appendix B. November 8, 1990
NI	Woodland/Forestry	Affects from surface disturbing activities was analyzed in the Cody Field Office RMP FEIS/ROD, Appendix B. November 8, 1990
NI	Vegetation Excluding Federally Listed Species	Affects from surface disturbing activities was analyzed in the Cody Field Office RMP FEIS/ROD, Appendix B. November 8, 1990
PI	Visual Resources	Affects from surface disturbing activities was analyzed in the Cody Field Office RMP FEIS/ROD, Appendix B. November 8, 1990
NI	Wild Horses and Burros	Affects from surface disturbing activities was analyzed in the Cody Field Office RMP FEIS/ROD, Appendix B. November 8, 1990
PI	Areas with Wilderness Characteristics	Lands containing wilderness characteristics were analyzed in the upcoming Bighorn Basin RMP Revision (Cody), and the results contained in Appendix D.

DETERMINATION –

NP – not present in the area impacted by the proposed or alternative actions
NI – present, but adequately analyzed in RMP/FEIS for leasing actions
PI – present, not analyzed in RMP/FEIS or new information requires further analysis in the EA
N/A-not applicable

**BUREAU OF LAND MANAGEMENT
CODY FIELD OFFICE
ENVIRONMENTAL ASSESSMENT FOR
PREVIOUSLY SOLD LEASE PARCELS
JUNE 2008 THRU MAY 2010
DOI-BLM-WY-WY02-2010-EA-071**

1.0 INTRODUCTION

It is the policy of the Bureau of Land Management (BLM) as derived from various laws, including the Mineral Leasing Act of 1920, as amended [30 U.S.C. 181 *et seq.*] and the Federal Land Policy and Management Act of 1976, to make mineral resources available for disposal and to encourage development of mineral resources to meet national, regional, and local needs.

As required by the Mineral Leasing Act and the Federal Oil and Gas Leasing Reform Act of 1987 (FOOGLRA) (Public Law 100-203, Sec. 5102, dated 12/22/87), an amendment to the MLA and the Code of Federal Regulations (CFR) (43 CFR 3120.1-2), the BLM Wyoming State Office conducts a quarterly competitive lease sale to sell available oil and gas lease parcels. After a public nomination process, a Notice of Competitive Lease Sale, which lists lease parcels to be offered at the auction, is published by the BLM State Office at least 45 days before the auction is held. Lease stipulations applicable to each parcel are specified in the Sale Notice. The decision as to which public lands and minerals are open for leasing and what leasing stipulations may be necessary, based on information available at the time, is made during the land use planning process. Surface management of non-BLM administered land overlaying federal minerals is determined by BLM in consultation with the appropriate surface management agency or the private surface owner.

In the process of preparing a lease sale the BLM State Office sends a draft parcel list to each field office where the parcels are located. Field Office staff then review the legal descriptions of the parcels to determine if they are in areas open to leasing; if appropriate stipulations have been included; if new information has become available which might change any analysis conducted during the planning process; if appropriate consultations have been conducted, and if there are special resource conditions of which potential bidders should be made aware. Each Field Office confirms this review by preparing a Documentation of NEPA Adequacy (DNA) which supports BLM's decision that there have been no changed circumstances warranting further NEPA analysis. Once the draft parcel review and DNA is

completed and returned to the State Office, a list of available lease parcels and stipulations is made available to the public through a Notice of Competitive Lease Sale (NCLS).

On rare occasions, additional information obtained after the publication of the NCLS, may result in withdrawal of certain parcels prior to the day of the lease sale.

From June 2008 through May 2010 a total of 59 individual parcels (45,283.50 acres) in the Cody Field Office were made available for sale. Of this total, 57 parcels were sold and monies have been received. The remaining 2 parcels containing 73.65 acres have been made available through non-competitive bidding process for a period of 2 years from the date of the sale. The following Environmental Assessment (EA) documents the Cody Field Office review of the 57 parcels that were offered and sold, but have not been issued during Competitive Oil and Gas Lease Sales conducted during the time from of June 2008 through May 2010; as well as the two parcels available for noncompetitive sale. All parcels addressed in this EA are under the administration of the Cody Field Office. It serves to verify conformance with the approved land use plan, addresses new information, and provides the rationale for issuing parcels sold during the aforementioned lease sales.

1.1 Purpose and Need

The purpose of this document is to analyze the impacts of issuing leases for parcels sold at several previous competitive oil and gas lease sales to allow private individuals or companies to explore for and develop oil and gas resources on public lands.

The decision to offer parcels at previous competitive lease sales from June 2008 through May 2010 were supported by DNAs. However, given the passage of time and potential environmental issues which have occurred since those sales. BLM has prepared this EA to analyze whether it remains appropriate to issue leases for these parcels. The sale and issuance of oil and gas leases is needed to meet the growing energy needs of the United States public. Wyoming is a major source of natural gas for heating and electrical energy production in the lower 48 states, especially for markets in the Eastern United States. Continued sale and issuance of lease parcels is necessary to maintain options for production as oil and gas companies seek new areas for production or attempt to develop previously inaccessible or uneconomical reserves.

1.2 Conformance with Applicable Land Use Plan and Other Environmental Assessments

Pursuant to 40 Code of Federal Regulations (CFR) 1508.28 and 1502.21, this environmental assessment (EA) tiers to and incorporates by reference the information and analysis contained in the Cody Field Office (Resource Area) Final Impact Statement and Resource Management Plan (FEIS/RMP), Record of Decision (ROD), signed on November 8, 1990.

According to the Cody RMP ROD, the Cody Field Office administrative unit (approximately, 891,600 federal surface estate and 1,508,200 of federal mineral estate) is open to oil and gas leasing consideration, with the exception of 24,570 acres which is the McCullough Peaks Wilderness Study Area.

1.3 Leasing:

Analysis required by the National Environmental Policy Act (NEPA) of 1969, was conducted by Field Office resource specialists who relied on personal knowledge of the areas involved and/or reviewed existing databases and file information to determine if appropriate stipulations had been attached to specific parcels prior to being made available for lease.

It is unknown when, where, or if future well sites or roads might be proposed for leasing. Detailed site specific analysis of individual wells or roads would be when a lease holder submitted an Application for Permit to Drill (APD). Issuance of leases would not be in conflict with other federal, state, county, or local community plans or statutes.

The following Documentation(s) of NEPA Adequacy (DNA) were prepared by the Cody Field Office in support of the decisions to offer the subject parcels for sale, and provide additional information on the site specific characteristics of each parcel:

Lease Sale	NEPA Documentation	Date Signed
June 2008 parcels	Documentation of NEPA Adequacy	2/04/2008
August 2008 parcels	Documentation of NEPA Adequacy	4/16/2008
October 2008 parcels	Documentation of NEPA Adequacy	6/04/08
December 2008 parcels	Documentation of NEPA Adequacy	8/15/08
February 2009 parcels	Documentation of NEPA Adequacy	9/23/08
April 2009 parcels	Documentation of NEPA Adequacy	11/19/08
June 2009 parcels	Documentation of NEPA Adequacy	2/09/2009
August 2009 parcels	No Parcels	
October 2009 parcels	Documentation of NEPA Adequacy	06/02/2009
December 2009 parcels	Documentation of NEPA Adequacy	08/05/2009
February 2010 parcels	Documentation of NEPA Adequacy	10/28/09
May 2010 parcels	Documentation of NEPA Adequacy	???

1.4 Federal, State or Local Permits, Licenses or Other Consultation Requirements

Purchasers of oil and gas leases are required to obey all applicable federal, state, and local laws and regulations including obtaining all necessary permits required should lease development occur.

Cody Field Office endangered species specialists reviewed each parcel prior to them being offered for sale. They determined that leasing of all 59 would be in compliance with threatened and endangered species management guidelines as there are no documented T&E species, or their habitats, located within the parcels. No further consultation with the U.S. Fish and Wildlife Service is required at this stage.

2.0 PROPOSED ACTIONS AND ALTERNATIVES

2.1 Alternative A No Action:

The BLM NEPA Handbook (H-1790-1) states that for Environmental Assessments (EAs) on externally initiated proposed actions, the No Action Alternative generally means that the proposed action would not take place. In the case of a lease sale, this would mean that an expression of interest to lease (parcel nomination) would be denied or rejected, or if a parcel has been sold, a lease would not be issued for that parcel.

The No Action alternative is that the BLM would not issue any of the 57 Leases have been sold, and the 2 unsold parcels would not be available for sale. Surface management would remain the same and ongoing oil and gas development would continue on surrounding federal, private, and state leases. The BLM would offer a choice to high bidders on parcels with the unissued leases:

One option would be for the BLM to reject the high bidder's offer for a parcel and refund paid bonus bids, rents, and filing fees.

The other option would be where a high bidder chose to accept the lease issuance with additional stipulations.

For purposes of analysis, the no action alternative assumes that high bidders would choose to cancel the purchase and accept the refund.

It is not expected that the demand for energy oil and gas will go down, and a decision to not issue these leases would not prevent future leasing in these areas consistent with land use planning decisions, and subject to appropriate stipulations, identified in the Resource Management Plan. Therefore, it is anticipated that these parcels may be nominated and leased at a future date. While future leases may contain more restrictive lease terms, it is reasonable to consider that a substantial portion of the development possible under current planning decisions will be possible under future leases.

2.2 Alternative B Proposed Action:

The Proposed Action would be a recommendation to the State Director to defer issuing leases for 29 parcels (30,074.65) out of the 59 June 2008 to May 2010 lease parcels offered for sale; the remaining 30 parcels (17,509.81 acres) are recommended for lease issuance or continuation of being offered for sale.

All 29 parcels are recommended for deferral until completion of the RMP revision. Reasons include consideration of Areas of Critical Environmental Concern (ACEC's), wilderness characteristics, Sage Grouse, and Special Management Areas. Leasing of these parcels could compromise the range of management options available to be considered in the RMP revision.

Standard terms and conditions as well as special stipulations would apply. Lease stipulations (as required by Title 43 Code of Federal Regulation 3131.3) were added to each parcel as identified by the Cody Field Office to address site specific concerns or new information not identified in the land use planning process.

The entire list of all parcels addressed in this EA, with their stipulations, can be found in Appendix A. All parcels for Alternative B are listed in Appendix B with the parcel number, acreage, lease number and purchase information.

Once sold, the lease purchaser has the right to use so much of the leased lands as is reasonably necessary to explore and drill for all of the oil and gas within the lease boundaries, subject to the stipulations attached to the lease (Title 43 Code of Federal Registration 3101.1-4).

Oil and gas leases are issued for a 10-year period and continue for as long thereafter as oil or gas is produced in paying quantities. If a lessee fails to produce oil and gas, does not make annual rental payments, does not comply with the terms and conditions of the lease, or relinquishes the lease; ownership of the minerals leased revert back to the federal government and may be leased again.

Before a lease owner or operator conducts any surface disturbing activities on the lease, BLM must first approve and Application for Permit to Drill (APD) and a surface use plan specified in Title 43 Code of Federal Regulation 3162.

Surface use restrictions, including timing limitation stipulations (TLS), NSO stipulations, and controlled surface use (CSU) stipulations, as well as unavailable for leasing designations, cannot be retroactively applied to valid, existing oil and gas leases or to valid, existing use authorizations (e.g., Application for Permit to Drill [APD]). Post-lease actions/authorizations (e.g., APDs, road/pipeline ROWs), however, could be encumbered by TLS and CSU restrictions on a case-by-case basis, as required through project-specific NEPA analysis or other environmental review.

2.3 Alternative C Full Lease Issuance:

Under Alternative C, all 59 parcels (45,283.50 acres) would be issued, or offered for sale and issuance, with the stipulations that are recommended at the time of offering as detailed in Appendix A.

3.0 Description of Affected Environment

This section describes the environment that would be affected by implementation of the alternatives described in Section 2. Aspects of the affected environment described in this section focus on relevant major resources and issues. Certain critical environmental components require analysis under BLM policy. Only those aspects of the affected environment that are potentially impacted are described in detail.

The proposed lease parcels are located in Park and Big Horn Counties, Wyoming. This environmental assessment (EA) tiers to and incorporates by reference the information and analysis contained in the Cody Resource Management Plan November 1990.

In addition to the air quality information in the RMPs cited above, new information about GHGs and their effects on national and global climate conditions has emerged since the RMPs were prepared. On-going scientific research has identified the potential impacts of GHG emissions such as carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), water vapor; and several trace gases on global climate. Through complex interactions on a global scale, GHG emissions cause a net warming effect of the atmosphere, primarily by decreasing the amount of heat energy radiated by the earth back into space. Although GHG levels have varied for millennia (along with corresponding variations in climatic conditions), industrialization and burning of fossil carbon sources have caused GHG concentrations to increase measurably, and may contribute to overall climatic changes.

This EA incorporates an analysis of the contributions of the proposed action to GHG emissions and a general discussion of potential impacts to climate.

3.1 Air Resources

Air quality and climate are the components of air resources, which include applications, activities, and management of the air resource. Therefore, the BLM must consider and analyze the potential effects of BLM and BLM-authorized activities on air resources as part of the planning and decision making process.

Air Quality

The U.S. Environmental Protection Agency (EPA) established air quality standards (NAAQS) for criteria pollutants. Criteria pollutants include carbon monoxide (CO), nitrogen dioxide (NO₂), ozone (O₃), particulate matter (PM₁₀ and PM_{2.5}), sulfur dioxide (SO₂), and lead (Pb). Air pollutant concentrations greater than the NAAQS represent a risk to human health.

EPA has delegated regulation of air quality to the State of Wyoming and is administered by the Wyoming Department of Environmental Quality. Wyoming Ambient Air Quality Standards (WAAQS) and NAAQS identify maximum limits for concentrations of criteria air pollutants at all locations to which the public has access. The WAAQS and NAAQS are legally enforceable standards. Concentrations above the WAAQS and NAAQS represent a risk to human health that, by law, require public safeguards be implemented. State standards must be at least as protective of human health as federal standards, and may be more restrictive than federal standards, as allowed by the Clean Air Act.

The counties that lie within the jurisdictional boundaries of the Cody Field Office are classified as in attainment of all state and national ambient air quality standards as defined in the Clean Air Act of 1977, as amended. Modeling conducted to date by the WYDEQ does not indicate that air quality is likely to exceed any limits specified by the Clean Air Act in the near future.

Although various state and federal agencies monitor air pollutant concentrations, visibility, and atmospheric deposition throughout Wyoming, at present there are only two air quality monitors near the Cody Field Office boundaries; found in Park County. Table 3.1 lists the available air quality monitoring sites in the Bighorn Basin and relevant sites nearby. The Wyoming Department of Environmental Quality (DEQ) operates a PM10 monitor as part of the State and Local Monitoring Site (SLAMS) network in Cody, Wyoming (Park County). Additional SLAMS and Special Purpose Monitoring (SPM) sites operate in nearby counties. Nearby monitoring sites include several IMPROVE monitors and BLM administered sites that are part of the Wyoming Air Resource Monitoring System (WARMS). Atmospheric deposition (wet) measurements of ammonium, sulfate, and various metals are taken at the Sinks Canyon, South Pass, and Yellowstone Park sites, which the BLM operates as part of the National Acid Deposition Program (NADP).

Table 3.1 Available Air Quality Monitoring Sites

County	Site Name	Type of Monitor	Parameter	Operating Schedule	Location	
					Longitude	Latitude
Park	Cody	SLAMS	PM ₁₀	1/6	-109.073	44.532
	North Absaroka (managed by USFS)	IMPROVE	PM _{2.5} , NO ₃ , Ammonium, Nitric Acid, Sulfate, Sulfur Dioxide & Meteorology	1/3	-109.382	44.745
Fremont	Lander	SLAMS	PM _{2.5}	1/3	-108.733	42.833
Campbell	Thunder Basin	SPM	Ozone, Nitrogen Oxides & Met	Hourly	-105.300	44.672
	Thunder Basin	IMPROVE	PM _{2.5} , NO ₃ , Ammonium, Nitric Acid, Sulfate, Sulfur Dioxide & Meteorology	1/3	-105.287	44.663
Johnson	Buffalo	WARMS	PM _{2.5} , NO ₃ , Ammonium, Nitric Acid, Sulfate, Sulfur Dioxide & Meteorology	1/3 (PM _{2.5}) & 1/7 (others)	-106.019	44.144
	Cloud Peak	IMPROVE	PM _{2.5} , NO ₃ , Ammonium, Nitric Acid, Sulfate, Sulfur Dioxide & Meteorology	1/3	-106.956	44.333
Sheridan	Sheridan - Highland Park	SLAMS	PM ₁₀ & PM _{2.5}	1/3 (PM ₁₀); 1/3 & 1/6 (PM _{2.5})	-107.000	44.806
	Sheridan - Police Station	SLAMS	PM ₁₀ & PM _{2.5}	1/1 (PM ₁₀) & 1/3 & 1/6 (PM _{2.5})	-107.000	44.833
	Sheridan (managed by BLM)	WARMS	PM _{2.5} , NO ₃ , Ammonium, Nitric Acid, Sulfate & Sulfur Dioxide	1/3 (PM _{2.5}) & 1/7 (others)	-106.847	44.933

Source: REF 6151; REF 6150; REF 6152; REF 6153; REF 6154; REF 6149

- BLM Bureau of Land Management
- IMPROVE Interagency Monitoring of Protected Visual Environments
- NO₃ Nitrate
- PM Particulate Matter
- SLAMS State and Local Monitoring Site
- SPM Special Purpose Monitoring
- USFS United States Forest Service
- WARMS Wyoming Air Resource Monitoring System

With only two air quality monitors in the Bighorn Basin (Cody/PM10 and North Absaroka/IMPROVE), it is difficult to accurately assess existing air quality conditions throughout the area. However, as noted above, air quality, visibility, and atmospheric deposition are monitored throughout Wyoming, including

adjacent Bighorn Basins. Therefore, the BLM assessed recent air quality conditions in the Bighorn Basin by examining data collected at the two monitors in the area, supplemented by various monitors in neighboring Bighorn Basins, as summarized in Table 3.2. The examination of these data indicates that the current air quality for criteria pollutants in the Bighorn Basin is considered good overall. Based on measurements in the area, visibility in the Bighorn Basin is considered excellent.

Table 3.2 Summary of Air Quality in the Big Horn Basin

Pollutant	Averaging Time	NAAQS			WAAQS			Representative Concentrations		
		(ppm)	(ppb)	($\mu\text{g}/\text{m}^3$)	(ppm)	(ppb)	($\mu\text{g}/\text{m}^3$)	(ppm)	(ppb)	($\mu\text{g}/\text{m}^3$)
Carbon Monoxide	1 hour ¹	35	35000	40,000	35	35000	40,000	1.7	1730	1,979
	8 hour ¹	9	9000	10,000	9	9000	10,000	0.8	814	931
Nitrogen Dioxide	Annual ² (Arithmetic Mean)	0.053	53	100	0.053	53	100	0.002	2	3.4
Ozone	8 hour ³	0.075	75	147	0.075	75	147	0.078	78	153
PM ₁₀	24 hour ⁴	N/A	N/A	150	N/A	N/A	150	N/A	N/A	91
PM _{2.5}	24 hour ⁵	N/A	N/A	35	N/A	N/A	65	N/A	N/A	11.7
	Annual ⁶	N/A	N/A	15	N/A	N/A	15	N/A	N/A	7.6
Sulfur Dioxide	24 hour ⁷	0.140	140	365	0.099	99	260	0.001	0.57	1.48
	Annual ⁷ (Arithmetic Mean)	0.031	31	80	0.023	23	60	0.0003	0.25	0.66

¹Not to be exceeded more than once per year. Data collected at Yellowstone National Park during 2005.

²Thunder Basin data, 2008.

³To attain this standard, the 3-year average of the fourth-highest daily maximum 8-hour average ozone concentrations measured at each monitor within an area over each year must not exceed 75 ppb. Measured fourth highest concentration for 2008 for the Thunder Basin site.

⁴Not to be exceeded more than once per year on average over 3 years. Maximum 24-hour average for 2008 at Cody SLAMS site.

⁵To attain this standard, the 3-year average of the 98th percentile of 24-hour concentrations at each population-oriented monitor in an area must not exceed 35 $\mu\text{g}/\text{m}^3$. Maximum 24-hour average for 2006 for the North Absaroka IMPROVE site.

⁶To attain this standard, the 3-year average of the weighted annual mean PM_{2.5} concentrations from single or multiple community-oriented monitors must not exceed 15.0 $\mu\text{g}/\text{m}^3$. Annual average for 2008 for the Lander SLAMS site (waiting for new data from North Absaroka).

⁷Maximum 24-hour and annual averages for 2008 for the Sheridan WARMS site.

N/A Not Applicable

NAAQS National Ambient Air Quality Standards

WARMS Wyoming Air Resource Monitoring System

PM_{2.5} particulate matter less than 2.5 microns in diameter

WAAQS Wyoming Ambient Air Quality Standards

PM₁₀ particulate matter less than 10 microns in diameter

$\mu\text{g}/\text{m}^3$ micrograms per cubic meter

ppm parts per million

ppb parts per billion

Climate

The climate in the Resource Area is designated as a combination of Intermountain Semi-desert and Southern Rocky Mountain Steppe. The Bighorn Basin is bounded on the northeast by the Pryor Mountains, on the east by the Big Horn Mountains, on the south by Owl Creek and Bridger and Washakie Ranges, on the west by the Absaroka Mountains, and open to the north into Montana. Summers are generally hot and short, and winters long and cold. Precipitation is generally low, though greater at higher elevations, and is generally evenly distributed across the year, with the exception of the drier summer months. Wind speeds are variable and generally strong. Table 3.3 lists temperature, precipitation, and wind speed data for the Resource Area. This information is derived from daily ambient measurements for 1971 through 2000. The summer period covers June, July, and August; the winter period covers December, January, and February.

Table 3.3 Climate data for Cody

Climate Component	Cody, Wyoming
Mean maximum summer temperatures (June, July, August)(degrees Fahrenheit)	75.6, 82.9, 81.4
Mean minimum winter temperatures (December, January, February)(degrees Fahrenheit)	16.7, 14.5, 18.9,
Mean annual temperature)(degrees Fahrenheit)	46.2
Mean annual precipitation (inches)	9.95
Mean annual snowfall (inches)	39.7
Mean annual wind speed (miles per hour)	7.7
Prevailing wind direction	Northerly/westerly

Climate change refers to any significant change in measures of climate (e.g., temperature or precipitation) lasting for an extended period of time (decades or longer). Climate change may result from natural processes, such as changes in the sun’s intensity; natural processes within the climate system (such as changes in ocean circulation); human activities that change the atmosphere’s composition (such as burning fossil fuels) and the land surface (such as urbanization) (IPCC 2007).

Greenhouse gases that are included in the US Greenhouse Gas Inventory are: carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆). CO₂ and methane (CH₄) are typically emitted from combustion activities or are directly emitted into the atmosphere. On-going scientific research has identified the potential impacts of greenhouse gas emissions (including CO₂; CH₄; nitrous oxide (N₂O), water vapor; and several trace gasses) on global climate. Through complex interactions on regional and global scales, these greenhouse gas emissions cause a net warming effect of the atmosphere (which making makes surface temperatures suitable for life on Earth), primarily by decreasing the amount of heat energy radiated by the Earth back into space. Although greenhouse gas levels have varied for millennia (along with corresponding variations in climatic conditions), recent industrialization and burning of fossil carbon sources have caused CO₂ concentrations to increase dramatically, and are likely to contribute to overall climatic changes, typically referred to as global warming. Increasing CO₂ concentrations also lead to preferential fertilization and growth of specific plant species.

Global mean surface temperatures have increased nearly 1.0°C (1.8°F) from 1890 to 2006 (Goddard Institute for Space Studies, 2007). However, observations and predictive models indicate that average temperature changes are likely to be greater in the Northern Hemisphere. Data indicates that northern latitudes (above 24° N) have exhibited temperature increases of nearly 1.2°C (2.1°F) since 1900, with nearly a 1.0°C (1.8°F) increase since 1970 alone. It also shows temperature and precipitation trends for the conterminous United States. For both parameters we see varying rates of change, but overall increases in both temperature and

precipitation. Without additional meteorological monitoring systems, it is difficult to determine the spatial and temporal variability and change of climatic conditions, but increasing concentrations of greenhouse gases are likely to accelerate the rate of climate change.

In 2001, the Intergovernmental Panel on Climate Change indicated that by the year 2100, global average surface temperatures would increase 1.4 to 5.8°C (2.5 to 10.4°F) above 1990 levels. The National Academy of Sciences (2006) has confirmed these findings, but also indicated that there are uncertainties regarding how climate change may affect different regions. Computer model predictions forecasts indicate that increases in temperature will not be evenly or equally distributed, but are likely to be accentuated at higher latitudes. Warming during the winter months is expected to be greater than during the summer, and increases in daily minimum temperatures is more likely than increases in daily maximum temperatures.

Currently, the WDEQ-AQD does not have regulations regarding greenhouse gas emissions, although these emissions are regulated indirectly by various other regulations.

Some greenhouse gases such as carbon dioxide occur naturally and are emitted to the atmosphere through natural processes and human activities. Other greenhouse gases (e.g., fluorinated gases) are created and emitted solely through human activities. The primary greenhouse gases that enter the atmosphere as a result of anthropogenic activities include carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), and fluorinated gases such as hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. These synthetic gases are powerful GHGs that are emitted from a variety of industrial processes.

Ongoing scientific research has identified the potential impacts of anthropogenic greenhouse gas (GHG) emissions and changes in biological sequestration due to land management activities on global climate. Through complex interactions on a regional and global scale, these GHG emissions and net losses of biological carbon sinks cause a net warming effect of the atmosphere, primarily by decreasing the amount of heat energy radiated by the earth back into space. Although GHG levels have varied for millennia, recent industrialization and burning of fossil carbon sources have caused CO₂ concentrations to increase dramatically, and are likely to contribute to overall global climatic changes. The Intergovernmental Panel on Climate Change (IPCC) recently concluded that “warming of the climate system is unequivocal” and “most of the observed increase in globally average temperatures since the mid-20th century is very likely due to the observed increase in anthropogenic greenhouse gas concentrations.”

Several activities contribute to the phenomena of climate change, including emissions of GHGs (especially carbon dioxide and methane) from fossil fuel development, large wildfires and activities using combustion engines; changes to the natural carbon cycle; and changes to radiative forces and reflectivity (albedo). It is important to note that GHGs will have a sustained climatic impact over different temporal scales. For example, recent emissions of carbon dioxide can influence climate for 100 years. In contrast, black carbon is a relatively short-lived pollutant,

as it remains in the atmosphere for only about a week. It is estimated that black carbon is the second greatest contributor to global warming behind CO₂ (Ramanathan and Carmichael, 2008).

The lack of scientific tools designed to predict climate change at regional or local scales limits the ability to quantify potential future impacts. However, potential impacts to air quality due to climate change are likely to be varied. Several activities occur within the planning area that may generate greenhouse gas emissions: oil, gas, and coal development, large fires, livestock grazing, and recreation using combustion engines which can potentially generate CO₂ and methane.

Some activities within the Planning Area generate greenhouse gas (GHG) emissions. Oil and gas development activities can generate carbon dioxide (CO₂) and methane (CH₄). CO₂ emissions result from the use of combustion engines, while methane can be released during processing. Wildland fires also are a source of other GHG emissions, while livestock grazing is a source of methane. Other activities in the Resource Area with the potential to contribute to climate change include soil erosion from disturbed areas and fugitive dust from roads, which have the potential to darken snow-covered surfaces and cause faster snow melt. A description of the potential greenhouse gas emissions associated with the proposed leasing activities is included in Section 4.

Visibility

There are several National Parks, National Forests, recreation areas, wilderness areas, and at least one reservation in or adjacent to the Big Horn Basin. Table 3.4 lists areas designated as Class I or Class II airsheds. National Parks, Monuments and some state designated Wilderness Areas are designated as Class I. The Clean Air Act “declares as a national goal the prevention of any future, and the remedying of any existing, impairment of visibility in mandatory Class I Federal areas . . . from manmade air pollution.” 42 U.S.C. § 7491(a) (1).²⁵ Under the BLM Manual Section 8560.36, BLM lands, including wilderness areas not designated as Class I, are managed as Class II, which provides that moderate deterioration of air quality associated with industrial and population growth may occur.

Table 3.4 Class I or Class II areas

Area Type	Area Name	Closest Distance to the Big Horn Basin (miles)	Direction from the Big Horn Basin	Clean Air Act Status of the Area
National Park	Yellowstone National Park	Adjacent	West	Class I
Indian Reservation	Crow	<1	North of Little Mountain	Class I
Recreation Area	Bighorn Canyon National Recreation Area	In	80 Miles East	Class II
Wilderness Area	Cloud Peak Wilderness	In		Class II
	North Absaroka	In		Class I

	Washakie Wilderness	In		Class I
	Fitzpatrick Wilderness	30	Southwest	Class I
	Popo Agie Wilderness	50	South	Class II
	Bridger Wilderness	35	Southwest	Class I
	Teton Wilderness	Adjacent	Southeast	Class II
National Forest	Shoshone National Forest	Abuts	Abuts at East Boundary & Yellowstone NP	Class II [wilderness within are Class I]
	Bighorn National Forest	<1 mile	East of Little Mountain	Class II
	Custer National Forest	1/2 mile	½ mile N of Wyoming –Montana State Border	Class II

3.2 Wildlife

Special Status Species

Section 7 of the ESA requires that BLM land managers ensure that any action authorized, funded, or carried out by the BLM is not likely to jeopardize the continued existence of any threatened or endangered species and that it avoids any appreciable reduction in the likelihood of recovery of affected species. Consultation is required on any action proposed by the BLM or another federal agency that affects a listed species or that jeopardizes or modifies critical habitat.

Species Listed Under the ESA

Terms and conditions from the Wyoming State Biological Assessments from which Biological Opinions from USFWS were given for all listed species in the Cody Field Office (grizzly bear, lynx, mountain plover, Ute-ladies tresses, black-footed ferret, and grey wolf) and would be followed and stipulated according to their needs after consultation with USFWS when required.

The BLM's Special Status Species Policy outlined in BLM Manual 6840 is to conserve listed species and the ecosystems on which they depend and to ensure that actions authorized or carried out by BLM are consistent with the conservation needs of special status species and do not contribute to the need to list any of these species. The BLM's policy is intended to ensure the survival of those plants that are rare or

uncommon, either because they are restricted to specific uncommon habitat or because they may be in jeopardy due to human or other actions.

By BLM policy, species proposed for federal listing are to be managed with the same level of protection provided for threatened and endangered species. The policy for federal candidate species and BLM sensitive species is to ensure that no action that requires federal approval should contribute to the need to list a species as threatened or endangered.

Other management direction is based on RMP management objectives, activity level plans, and other aquatic habitat and fisheries management direction, including 50 CFR 17, the Land Use Planning Handbook, Appendix C, Part E, Fish and Wildlife.

The current RMPs have evaluated the need to protect habitat necessary for the success of species identified through these regulations and policies. New information regarding the status of the Greater Sage-grouse has elevated its status from a BLM sensitive species to a federal candidate species. Policy was issued by the Wyoming BLM in December, 2009 under Information Memoranda 2010-012 and 2010-013; additional policy was issued by the Washington Office BLM under Information Memoranda 2010-071.

The greater sage-grouse is a candidate species for listing under provisions of the ESA as determined by the USFWS and documented in a March 5, 2010 Federal Register notice declaring that listing of the Greater Sage Grouse was warranted but precluded. Greater sage-grouse are distributed in sagebrush habitat throughout the Bighorn Basin, where habitat fragmentation and degradation has not reduced habitat to unsuitable. Greater sage-grouse leks are generally at mid elevations within sagebrush habitat. Nesting and brood-rearing habitat is sometimes associated with the lek and sometimes found at a distance from the lek in sagebrush habitat. These remaining suitable sagebrush habitat areas could be productive for greater sage-grouse; however, fragmentation and degradation might limit the distribution and abundance of greater sage-grouse. The WGFD has identified core areas, which represent these relatively productive areas, and has suggested special management for these areas. In mid July, 2010, the WY Game and Fish Department also released Version 3 of their Sage Grouse Core Area boundaries. All parcels have been screened against this version in accordance with IM 2010-13. Specific information regarding each parcel can be found in Appendix B.

There are many sources of habitat fragmentation, all of which may affect the greater sage-grouse. Industrial development, livestock and wildlife grazing, mining, gravel pit operations, oil and gas activity, land exchanges and disposal, vegetation manipulation, fuel reduction projects and other activities may cause an artificial component to a natural habitat condition. Structures such as power lines and towers and industrial disruptive activities may cause avoidance and abandonment of habitat. Livestock grazing, fuels treatments, and weed spread infestations are factors which may cause habitat degradation depending upon severity, intensity, and design. West Nile virus, which recently has had lethal effects on greater sage-grouse in parts of Wyoming, could become an important factor in greater sage-grouse survival. There has been little research to document the presence of the virus and its effect on greater sage-grouse in the Bighorn Basin.

Greater sage-grouse have been declining across the west, which has prompted several petitions to list them as threatened under the ESA, including a recent petition that led to the March 5, 2010 finding by the USFWS of warranted for listing but precluded. Population levels throughout the Bighorn Basin declined during the mid 1990s. Since 2004, the levels have maintained or slightly increased. It is thought this resurgence was a result of well-timed precipitation events. These precipitation events promoted forage growth, which aided the survival of young. Population growth has varied throughout the Bighorn Basin based on specific local conditions, with some areas showing little change; other areas have had a recent increase in lek count numbers.

Mountain Plover

Mountain plover has been recently designated as a proposed species by the USFWS. The Cody Field Office does contain vast areas of potential suitable nesting habitat and have been observed throughout the area.

Curlew

Long-billed curlew a BLM Sensitive Species are known to nest in a few regions throughout Wyoming and in the Bighorn Basin the areas surrounding and around Cody (Heart Mountain and Oregon Basin) have concentration nesting areas.

3.3 Lands with Wilderness Characteristics

The BLM is required to periodically inventory lands to determine whether they possess wilderness characteristics. As part of the RMP Revision, the BLM performed an inventory of lands in the Bighorn Basin in 2009 to determine if any BLM-administered lands had wilderness characteristics. Wilderness characteristics are resource values that include naturalness, outstanding opportunities for solitude, and outstanding opportunities for primitive and unconfined recreation. Areas evaluated for wilderness characteristics generally occur in undeveloped locations of sufficient size (approximately 5,000 acres) to be practical to manage for these characteristics. Smaller areas are considered if they are contiguous with designated Wilderness or WSAs, or in rare circumstances, are of a manageable size in accordance with FLPMA.

As the basis for the 2009 inventory, the BLM reviewed comments made during public scoping for the Bighorn Basin RMP revision, and recommendations developed during an internal review of multiple-use lands in the Bighorn Basin. In addition, the lands considered included areas recommended as part of the “Wilderness at Risk: Citizens’ Wilderness Proposal for Wyoming BLM-administered Lands” submitted to the BLM by the Wyoming Wilderness Association in February 2004.

The Citizens’ Wilderness Proposal promoted the designation of approximately 1.1 million acres of BLM-administered lands for wilderness statewide, of which approximately 283,709 acres are in the Bighorn Basin. In addition to the Citizens’ Wilderness Proposal, the BLM considered a Biodiversity Conservation Alliance proposal for a formal wilderness inventory of lands in the McCullough Peaks area.

The BLM analyzed the areas with potential for wilderness characteristics to determine which, if any, lands met the definition. As part of the analysis, the BLM evaluated whether the areas were of a sufficient size, were in a natural condition, possessed outstanding opportunities for solitude, and presented opportunities for primitive and unconfined recreation. The inventory identified 13 areas in the Cody Field Office. The final evaluation forms are available for public review on-line at http://www.blm.gov/wy/st/en/field_offices/Cody.html or at the Cody or Worland Field Offices or Wind River/Bighorn Basin District Office in Worland, Wyoming. Currently, the BLM manages these lands in accordance with the current RMPs; no specific management has been developed for these areas. None of the parcels offered for sale is located within one of the 13 identified areas.

3.4 Socioeconomic Resources

Table 3.5 shows changes in population for each county between 1970 and 2005. Park was the fastest-growing county, increasing its population by one-half since 1970 (a pace comparable to the state and the United States); the next fastest-growing county was Big Horn, which increased by ten percent from 1970 to 2005. Hot Springs County shrank in population by almost ten percent.

Table 3.5: Population by County, 1970-2005

Area	Population in 1970	Population in 2005	Change 1970-2005	Average Annual Change 1970-2005
Big Horn County	10,264	11,325	10%	0.3%
Park County	17,805	26,723	50%	1.2%
Wyoming	333,795	506,541	52%	1.2%
United States	203,798,722	295,895,897	45%	1.1%

Sources: Headwaters Economics 2007a, 2007b, 2007c, 2007d; BEA 2008

The main portion of Table 3.43 shows the percentage of work-related earnings by industry sector in 2006 (the most recent year for which data are available). BEA categories do not break out recreation-related income specifically. Income from hunting-and fishing-based recreation would be included in several table categories, such as retail trade and accommodation and food services. Mining and government are the largest contributors to earnings by place of work. Mining was the largest contributor in Big Horn and Hot Springs Counties, contributing about a third of earnings in each. Mining was also the second-largest contributor in Washakie County (second only to government) and the third-largest in Park County (behind government and construction). It is important to note that government revenues and earnings from government employment depend on tax revenues from basic sectors. In other words, a reduction in economic activity in sectors such as mining, manufacturing, construction, wholesale and retail trade, services, etc. would likely result in reduced earnings from people working in the government sector. But it should be noted that this principle is likely to apply more for local government employees than federal or even state employees, since federal and state governments have a broader tax base than local governments.

It is also important to note that the United States Bureau of Economic Analysis (BEA) does not disclose data for some sectors where there are three or fewer employers in a sector in a given geographic area, for confidentiality reasons. In Table 3.6, these nondisclosures affect available information on agricultural services and forestry and fishing activities in Big Horn and Park Counties, as well as available information on several other sectors, as indicated in the table notes.

Table 3.6: Personal Income and Earnings by Place of Work, 2006

Item / Sector	Big Horn Co	Park Co.	Wyoming	United States
Total personal income (\$ millions)	\$297	\$963	\$20,846	\$10,968,393
Dividends, interest, and rent as a proportion of total personal income	13%	26%	23%	17%
Earnings by place of work (\$ millions) ¹	\$228	\$636	\$15,221	\$8,432,719
Farming, fishing, logging, and related activities ²	2%	2%	1%	1%
Mining	34%	10%	19%	1%
Utilities	1%	1%	2%	1%
Construction	6%	11%	9%	7%
Manufacturing	4%	4%	5%	12%
Wholesale trade	3%	2%	4%	5%
Retail trade	n/a ³	9%	6%	6%
Transportation and warehousing	4%	3%	5%	3%
Information	2%	2%	1%	4%
Finance and insurance	2%	3%	3%	8%
Real estate and rental and leasing	0%	3%	3%	2%
Professional and technical services	n/a ³	5%	5%	10%
Management of companies and enterprises	n/a ³	0%	1%	2%
Administrative and waste services	2%	2%	2%	4%
Educational services	0%	0%	0%	1%
Health care and social assistance	2%	9%	6%	9%
Arts, entertainment, and recreation	0%	2%	1%	1%
Accommodation and food services	n/a ³	5%	4%	3%
Other services, except public administration	2%	2%	3%	3%
Government and government enterprises	27%	26%	22%	16%

Categories for which data were not disclosed	9%	0%	0%	0%
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Source: BEA 2008; N/A = Not available.

1. Earnings by place of work differs from total personal income by the exclusion of dividends, interest, and rent, as well as adjustments to account for net transfer payments (e.g., unemployment benefits and Social Security taxes and payments) and the residential adjustment (see Table G for details).
2. “Related activities” includes agricultural services (e.g., custom tillage), fishing, and logging. However, note that earnings data for related activities were not disclosed (see note 3) for the counties of Big Horn, Hot Springs, or Washakie.
3. Data were not disclosed due to confidentiality reasons (BEA does not report data when there are three or fewer employers in a sector). The line item “Categories for which data were not disclosed” shows the total income attributable to these categories for each county.

3.5 Visual Resources Management

There are highly scenic areas in the Cody Field office administrative area. The landscape exhibits a high degree of variability in the visual environment. The area contains open rolling grassy hills, low buttes/mesas, colorful and spectacular badlands, snow topped mountains, scenic river valleys, narrow whispering canyons, and dramatically shocking ridges. Specific scenic areas include the badlands of McCullough Peaks, the dramatic landform such as Carter Mountain or Heart Mountain, the narrow whispering canyons such as Cottonwood or Devils Canyon, or the river valleys such as the South Fork of the Shoshone. Management Challenges for multiple uses include allowing for oil and gas leasing along with lands and realty, wildlife, recreation, cultural, and other resource goals. Visual resource goals along with minerals development is to have as small a footprint to not substantially change an areas from its visual character depending on the visual management class.

The Management Class in the Cody Field Office has been re-inventoried and is currently under review pending outcome of the Bighorn Basin Resource Management Plan Revision.

3.6 Areas of Critical Environmental Concern & Special Management Areas

3.6.1 Paleocene-Eocene Thermal Maximum (PETM)

The area is a stratigraphic contact zone and the paleontological and geochemical values associated with rock layers which are exposed worldwide. The area contains mammalian and botanical fossil resources and its geologic information relates to global warming and paleo climate change. This stratigraphic boundary represents a transition from the Paleocene Epoch to the Eocene Epoch, and produces fossils and geochemical data used in the study of a major Carbon Isotope Excursion recorded during a period of global warming (the Paleocene-Eocene Thermal Maximum). The area also contains scenic and colorful badlands and eroded features.

Management challenges are soil stability and erosion potential and fossil occurrence that make it vulnerable to surface disturbance and the loss of its identified resource values.

3.6.2 Chapman Bench

The area contains sagebrush habitat used by sensitive bird species. The Audubon Society-designated this area as an “important bird area” which contains a diverse and abundant population of various bird species. The Chapman bench supports no less than 12 sensitive species which includes, Greater sage grouse, long-billed curlew, and mountain plover occur on this sagebrush steppe; all three are BLM sensitive species, and the plover and sage grouse are being considered for listing by the USFWS. Sagebrush obligate species in the area also include the sage thrasher, sage sparrow, Brewer’s sparrow, and loggerhead shrike. This area provides nesting habitat for one of the highest concentrations of these species together in the Bighorn Basin. In addition, this area provides pronghorn and mule deer crucial winter range. Visitors travelling to the area, often see these animals on their way to Yellowstone National Park, as they approach Cody. There is little to no development on this bench, currently.

3.6.3 Absaroka Front Special Management Area

The Absaroka Front stretches from Clark Wyoming along the Beartooth Mountain range to the south ending at the Owl Creek range (for the Cody Field Office jurisdiction). This Special Management Area may be set aside to allow for unbroken habitat for large ungulate wildlife migration. Wildlife species are facing more and more obstacles to their instinctual assets and the “Front” would allow for management of such.

4.0 ENVIRONMENTAL EFFECTS

4.1 Air Resources

Alternative A: No Action

Under the no action alternative, the monies received from those previously sold parcels where leases were not issued, would be refunded and no development would occur. Due to demand for oil and gas, it is expected that these parcels may be re-nominated in the future; consistent with appropriate land use planning decisions, and would be offered for sale with additional stipulations. There is no way to accurately predict what level of restrictions future leasing may require, but it can be assumed that a substantial portion of the development that would have been authorized under the leases currently sold would still be permitted under future leases. Nominations of parcels for lease under future land use plans and decisions would be screened for consistency with the land use plan in effect at the time, and the appropriate environmental analysis would be conducted to determine associated air quality impacts. Impacts to air quality from leases issued from any future sales would be analyzed in the appropriate environmental documents for those sales. Analysis of air quality impacts is also required at the time an application for a permit to drill is submitted.

A decision to not issue leases for any of the 59 parcels would support continued current uses of these parcels. These uses are primarily associated with grazing, with some dispersed recreation such as hunting and hiking. These uses typically entail vehicle travel for access, and would be expected to continue at current rates.

Alternative B: Proposed Action

Issuing leases for the subject tracts would have no direct impacts to air quality. Any potential effects to air quality would occur if and when the leases were developed. These wells would contribute a small percentage of the total emissions (including GHG's) from oil and gas activities in Wyoming.

Potential impacts of development could include increased air borne soil particles associated with the construction of new well pads, pipelines, or roads, exhaust emissions from drilling equipment, compressors, vehicles, and dehydration and separation facilities, as well as potential releases of GHG and volatile organic compounds during drilling or production activities. The amount of increased emissions cannot be quantified at this time since it is unknown how many wells might be drilled, the types of equipment needed if a well were to be completed successfully (e.g. compressor, separator, dehydrator), or what technologies may be employed by a given company for drilling any new wells. The degree of impact will also vary according to the characteristics of the geologic formations from which production occurs.

In May 2009, the BLM Wyoming State Office Reservoir Management Group produced a draft Reasonably Foreseeable Development Scenario (RFD) document for the Bighorn Basin RMP revision. This document demonstrates that approximately 30 wells would be drilled annually for Federal minerals. (The petroleum resources specific to these leases in the Proposed Action are not known whether they are

gas or oil or a combination thereof). The absolute density of drilling depends upon the technology available (vertical, directional, or horizontal) and the geology of the hydrocarbon-bearing zone. As a result, it is unknown the specific numbers of wells that could potentially be drilled under a full field development scenario as a result of issuing the leases. However, the RFD takes these assumptions into account, and on a Field Office wide basis, is still valid.

Subsequent development of any leases issued, would contribute a small incremental increase in overall hydrocarbon emissions, including GHGs. When compared to total national or global emissions, the amount released as a result of potential production from the proposed lease tracts would not have a measurable effect.

Alternative C: Full Lease Issuance:

Fifty-nine leases would be issued, or offered for sale and issuance, with the stipulations listed in Appendix A. However, due to the larger acreage under this alternative, potentially subject to surface disturbing activities, drilling and production, the potential for impacts are similar to, but have a higher probability of occurring in larger amounts, as under Alternative B. Emissions of all regulated pollutants (including GHGs) and their impacts will be quantified and evaluated at the time that a specific development project is proposed.

Mitigation

None.

4.2 Greenhouse Gas Emissions

Alternative A: No Action

A decision to not issue, or offer for sale and issuance, the 59 leases would preclude oil and gas development that could contribute greenhouse gas emissions from these leases. However, as discussed previously under the no action alternative, this would not preclude future nomination, leasing, and development consistent with land use planning decisions at that time. Based on demand for oil and gas, it is expected that these parcels would be nominated in the future; consistent with appropriate land use planning decisions, and would be offered for sale with appropriate stipulations. There is no way to accurately predict what level of restrictions future leasing may require, but it can be assumed that a substantial portion of the development that would have been authorized under the leases currently sold would still be permitted under future leases. This would result in a postponement of development, and the possibility of the development occurring with increased restriction on greenhouse gas emissions. The levels and types of restrictions would be determined at the time of lease, and submittal of development activities for approval, but are expected to allow for at least moderate development of areas open to leasing. Therefore, the no-action alternative would likely delay, and not prevent, greenhouse gas emissions. The no-action alternative may also result in reduced levels of emissions associated with future expanded restrictions.

See Section 4.6 for a discussion of the impacts of these potential greenhouse gas emissions on global climate change.

Alternative B: Proposed Action

The issuance of leases in itself would not result in any direct greenhouse gas emissions. However, in regard to future development, the assessment of GHG emissions and climate change is in its formative phase. While it is not possible to accurately quantify potential GHG emissions in the affected areas as a result of making the proposed tracts available for leasing, some general assumptions however can be made: issuing the proposed tracts may contribute to drilling new wells.

The Center for Climate Strategies (CCS) prepared the Wyoming Greenhouse Gas Inventory and Reference Case Projection 1990-2020 (Inventory) for the Wyoming Department of Environmental Quality (WYDEQ) through an effort of the Western Regional Air Partnership (WRAP). This inventory report presents a preliminary draft greenhouse gas (GHG) emissions inventory and forecast from 1990 to 2020 for Wyoming. This report provides an initial comprehensive understanding of Wyoming's current and possible future GHG emissions. The information presented provides the State with a starting point for revising the initial estimates as improvements to data sources and assumptions are identified.

The inventory report discloses that activities in Wyoming accounted for approximately 56 million metric tons (MMt) of *gross* carbon dioxide equivalent (CO₂e) emissions in 2005, an amount equal to 0.8% of total US gross GHG emissions. These emission estimates focus on activities in Wyoming and are *consumption-based*; they exclude emissions associated with electricity that is exported from the State. Wyoming's gross GHG emissions increased 25% from 1990 to 2005, while national emissions rose by only 16% from 1990 to 2004. Annual sequestration (removal) of GHG emissions due to forestry and other land-uses in Wyoming are estimated at 36 MMtCO₂e in 2005. Wyoming's per capita emission rate is more than four times greater than the national average of 25 MtCO₂e/yr. This large difference between national and State per capita emissions occurs in most of the sectors – Wyoming's emission per capita significantly exceed national emissions per capita for the following sectors: electricity, industrial, fossil fuel production, transportation, industrial process and agriculture.

The reasons for the higher per capita intensity in Wyoming are varied but include the State's strong fossil fuel production industry and other industries with high fossil fuel consumption intensity, large agriculture industry, large distances, and low population base. Between 1990 and 2005, per capita emissions in Wyoming have increased, mostly due to increased activity in the fossil fuel industry, while national per capita emissions have changed relatively little.

Wyoming's gross GHG emissions are expected to continue to grow to 69 MMtCO₂e by 2020, 56% above 1990 levels. As shown in Figure ES-3 of the Inventory, demand for electricity is projected to be the largest contributor to future emissions growth, followed by emissions associated with transportation. Although GHG emissions from fossil fuel production had the greatest increase by sector in the period 1990 to 2005, the growth from this sector is projected to decline due to assumption of decreased carbon dioxide emissions from venting at processing plants.

As of 2008, the Inventory indicates that there over 33,000 oil and gas wells in the State.

There are approximately 2,237 existing Federal oil and gas wells in the CYFO, which account for approximately 7 percent of the total Federal wells in Wyoming. Therefore, GHG emissions from all wells within the CYFO amount to approximately 1.38 metric tons annually (mt) ($19.6 \text{ mt} \times 0.0705 = 1.3821 \text{ mt}$).

Based on this emission factor, each potential well that may be drilled on these parcels, if issued, could emit approximately 0.00059 mt of CO₂e. It is unknown what the drilling density may be for these parcels, if they were to be developed; therefore, it is impossible to predict what level of GHG emissions could occur from development at this stage under the proposed action.

See Section 4.6 for a discussion of the impacts of these potential greenhouse gas emissions on global climate change. Emissions of all regulated pollutants (including GHGs) and their impacts will be quantified and evaluated at the time that a specific development project is proposed.

Alternative C: Full Lease Issuance

Under this alternative, leases would be issued with the appropriate stipulations as listed in Appendix A. However, due to the larger acreage under this Alternative potentially subject to surface disturbing activities, drilling and production, the potential for greenhouse gas emissions are similar to, but have a higher probability of occurring in larger amounts, as under Alternative B.

Mitigation

The BLM holds regulatory jurisdiction over portions of natural gas and petroleum systems, identified in the EPA Inventory of US Greenhouse Gas Emissions and Sinks document. Exercise of this regulatory jurisdiction has led to development of “Best Management Practices (BMPs)” designed to reduce emissions from field production and operations. Analysis and approval of future development on the lease parcels would include applicable BMPs as conditions of approval (COAs) in order to reduce or mitigate GHG emissions. Additional measures developed at the project development stage would be incorporated as COAs in the approved APD or with a programmatic EIS, which are binding on the operator.

Such mitigation measures may include, but are not limited to:

- Flare hydrocarbon and gases at high temperatures in order to reduce emissions of incomplete combustion through the use of multi-chamber combustors;
- “Green” (flare-less) completions,
- Water dirt roads during periods of high use in order to reduce fugitive dust emissions;
- Require that vapor recovery systems be maintained and functional in areas where petroleum liquids are stored;
- Installation of liquids gathering facilities or central production facilities to reduce the total number of sources and minimize truck traffic,
- Use of natural gas fired or electric drill rig engines,
- The use of selective catalytic reducers on diesel-fired drilling engines; and,

- Re-vegetate areas of the pad not required for production facilities to reduce the amount of dust from the pads.

The EPA Inventory data show that adoption by industry of the Best Management Practices proposed by the EPA's Natural Gas Energy Star program has reduced emissions from oil and gas exploration and development (Inventory of US Greenhouse Gas Emissions and Sinks: 1990-2006). The Cody Field Office will work with industry to facilitate the use of the relevant BMPs for operations proposed on federal mineral leases where such mitigation is consistent with agency policy.

4.3 Wildlife

Special Status Species (T&E Species, including Greater Sage grouse, Long-billed Curlew, Mountain Plover)

Alternative A: No Action

Under the No-Action alternative, oil and gas development of the 59 lease parcels would not occur. Therefore, no impacts would result from BLM actions. Additionally, activities in Sage Grouse Key Areas would be limited to those associated with current land uses, primarily recreation and agriculture. Sage Grouse Key Areas are the core areas identified by the state of Wyoming, adjusted to include additional habitat identified in consultation with the local WY Game and Fish office. As discussed previously, many of these parcels may be eligible for nomination, lease, and development in the future, and could be leased subject to appropriate levels of restriction identified in the RMP at the time.

Species listed under the ESA, mountain plover and long-billed curlew would not be impacted by future development from leases sold by the BLM. No new stipulations would be needed as there would be no new development.

Alternative B: Proposed Action

Leases for twenty-nine (29) parcels would not be issued pending revision of certain wildlife lease stipulations and revision of the Bighorn Basin RMP. Development would be curtailed until stipulations in accordance with the Sage Grouse Core strategy could be attached to leases for the affected parcels; 3 parcels in particular have been identified through application of IM 2010-13 Screen as qualifying for Sage Grouse Core Area status. These 3 parcels contain approximately 3,879.22 acres and would not be developed at this time. Once the lease stipulations are revised, the High Bidder would be given a chance to accept or reject those changes. If the changes are rejected BLM would return all monies received a result of the sale and the parcels would not be subject to development unless and until offered and leased at a future lease sale. All other impacts are the same as those described in the Cody ROD, 1990 as they relate to Sage Grouse.

Species listed under the ESA and the recent developments in mountain plover designation as proposed would be addressed and would conform to the 6840 manual and conference with USFWS would occur if the leases when developed at the APD stage would likely jeopardize the continued existence of the population. Deferring the leases would give the BLM opportunity to place the full range of appropriate

stipulations which may be necessary to implement after conference with USFWS during the APD stage. Long-billed curlew status has not changed and is still a Sensitive Species. We would apply the Sensitive Species Policy and 6840 manual at the APD stage to mitigate impacts so as not to contribute to the need to list this species under ESA and new management actions being considered by the draft RMP which considers new information and options to protect or conserve these species may influence the stipulation list for these lease parcels. These new stipulations would be more likely to address the current needs of these species.

Alternative C: Full Lease Issuance

All 59 leases would be issued, or continue to be available for sale and issuance, with the stipulations as detailed in Appendix A. However, due to the larger acreage under this Alternative potentially subject to surface disturbing activities, the potential for impacts are similar to, but have a higher probability of occurring and at a greater intensity, as under Alternative B. Without conformance with the WY Sage Grouse Core Area Conservation Strategy, it is likely that the Sage Grouse would be listed as a T&E species; such a listing would violate the BLM Sensitive Species policy as authorized under BLM Manual 6840.

New stipulations and planning for Species listed under the ESA, mountain plover and long-billed curlew would not benefit from lease level strategy of sale based on new information from the draft RMP which would better address modern issues. It is less likely to capture the need to add conditions of approval that are appropriate for the species impacted when lease stipulations are not developed and applied to the lease when sold. These species would be less likely to benefit from new information consideration at the APD stage from the draft RMP.

Mitigation

Modification of the stipulations for the deferred leases is recommended to ensure continued population and habitat objectives for the Greater Sage Grouse and incorporate state guidance from I.M. WY-2010-012. Additional mitigation and/or Conditions of Approval could be identified at the development stage to further minimize impacts associated with oil and gas development.

Mitigation for Species listed under the ESA, mountain plover and long-billed curlew would be based on guidance from the USFWS which would not likely jeopardize the continued existence of proposed species and stipulations developed by the Cody Field Office to insure no take is made under the Migratory Bird Treaty Act and to follow the BLM Sensitive Species Policy and 6840 manual.

4.4 Multiple Use Lands with Wilderness Characteristics

Alternative A: No Action

Based on the inventory and screening of the CYFO, none of the lease parcels contain lands with wilderness characteristics. Therefore, leasing, or sale and issuance of leases, for the 59 lease parcels would not affect lands with wilderness characteristics, or preclude BLM evaluation of wilderness characteristics in the RMP Revision.

Alternative B: Proposed Action

Based on the inventory and screening of the CYFO, none of the lease parcels contain lands with wilderness characteristics. Therefore, leasing, or sale and issuance of leases, for the 59 lease parcels would not affect lands with wilderness characteristics, or preclude BLM evaluation of wilderness characteristics in the RMP Revision.

Alternative C: Full Lease Issuance

Based on the inventory and screening of the CYFO, none of the lease parcels contain lands with wilderness characteristics. Therefore, leasing, or sale and issuance of leases, for the 59 lease parcels would not affect lands with wilderness characteristics, or preclude BLM evaluation of wilderness characteristics in the RMP Revision.

4.5: Socio-economics

Alternative A-- No Action:

This Alternative requires that issuance of leases for 59 parcels would not occur. As primarily rural communities that rely heavily on energy development revenue and agricultural uses, the communities in the leasing areas are likely to be negatively impacted by loss of potential revenue from subsequent development, of these parcels. Because there is demand for oil and gas, it is expected that if the leases are not issued the parcels will be re-nominated and leased in the future under more stringent stipulations. This would still allow for development of leases, and generation of revenue from Federally-managed minerals.

Therefore, it is an assumption that the No Action Alternative (no lease option) may result in a slight reduction in domestic production of oil and gas. This would likely result in reduced Federal and State royalty income, and the potential for Federal land to be drained by wells on adjacent private or state land.

Under the No-Action alternative, the BLM will be expected to refund over \$1,206,215.50 in bonus bids, filing fees, and rental fees. By law, the BLM provides approximately 50% of that revenue to the State. This represents a loss of considerable revenue to the State of Wyoming and to the Federal Government. Appendix B lists each parcel and the monies that were received for each lease sold during the period of June 2008 through May 2010.

Consumption of oil and gas developed from the proposed lease parcels is expected to produce GHGs. Consumption is driven by a variety of complex interacting factors including energy costs, energy efficiency, availability of other energy sources, economics, demography, and weather or climate.

Alternative B – Proposed Action:

Economically, the largest contributors to the two counties in the leasing area are oil and gas producers. Park County alone is responsible for 10% of the States oil. Deferring 29 of the 57 lease parcels would impact the area. Under this alternative, the BLM would be expected to refund \$1,177,723.50 in bonus bids, filing fees, and rental fees.

Alternative C-- Full Issuance:

Under this alternative, all leases would be issued. This would provide the most opportunity for development of oil and gas, and the most revenue for the Federal government and the State. This alternative requires that no money be refunded.

4.6 Visual Resource Management (VRM)

Alternative A-- No Action:

An inventory of the lease parcels from May 2008 to June 2010 found 59 parcels have been placed for lease sale. Under this alternative oil and gas leasing would not be done. Therefore, there would be not be any impact to Visual Resources resulting from sale and issuance of leases.

Alternative B – Proposed Action:

Nineteen (19) parcels are located in areas where a primary objective may be to maintain the objective of the existing character of the landscape. Leasing for oil and gas could be inconsistent with this objective; and a deferral is recommended until management of this objective can be determined during the RMP Revision. Deferral would last until the Record of Decision is signed for the Bighorn Basin Resource Management Plan Revision, currently underway.

Alternative C-- Full Lease Issuance

The 59 parcels, issued with the required stipulations attached to lease at sale, could impact the management of visual resources. However, attached stipulations and Best Management Practices (e.g. Standard Environmental Colors to paint facilities) applied at project development, would help mitigate some visual impacts.

4.7 Areas of Critical Environmental Concern (ACEC) & Special Management Area

4.7.1 Paleocene-Eocene Thermal Maximum (PETM), Chapman Bench, Absaroka Front SMA

Alternative A-- No Action:

All monies received from the sale of the 59 lease parcels offered from May 2008 to June 2010 would be refunded to the buyer and the leasing would not be done. The five parcels that are currently located within areas recommended for ACEC or SMA designation in the RMP revision would not be impacted.

Alternative B – Proposed Action:

Leases would not be issued for 29 parcels pending revision of the Bighorn RMP. This deferral would preserve the current state and use of the parcels, and would allow for consideration of a range of alternatives in the RMP Revision that may include management of these areas for specific resource values.

Alternative C-- Full Lease Issuance

If the 29 parcels recommended for deferral of lease issuance go forward, they may be developed under stipulations that would not protect the characteristics for those areas currently nominated to be either an ACEC or an SMA. The PETM site in particular, would be affected by surface disturbance due to its fragile nature. Any type of soil movement would change the data the site may hold for scientific exploration of Paleo-climate change.

Chapman Bench holds active Greater sage grouse leks and one of the largest populations of long-billed curlew and Mountain plover in the west. Disturbing habitat and nesting/brooding sites could put mating pairs in a dissociative behavior so as not to return to the nest.

Absaroka Front is one of the largest intact migration routes in this area. Elk and deer use the Beartooth and Absaroka Mountains for winter habitat and mating. They travel across the basin from spring to fall looking for food and parturition areas that are historical to them.

4.6 Cumulative Impacts

There are approximately 2,237 producing oil and gas wells in the Cody Field Office; no coal bed methane gas wells.

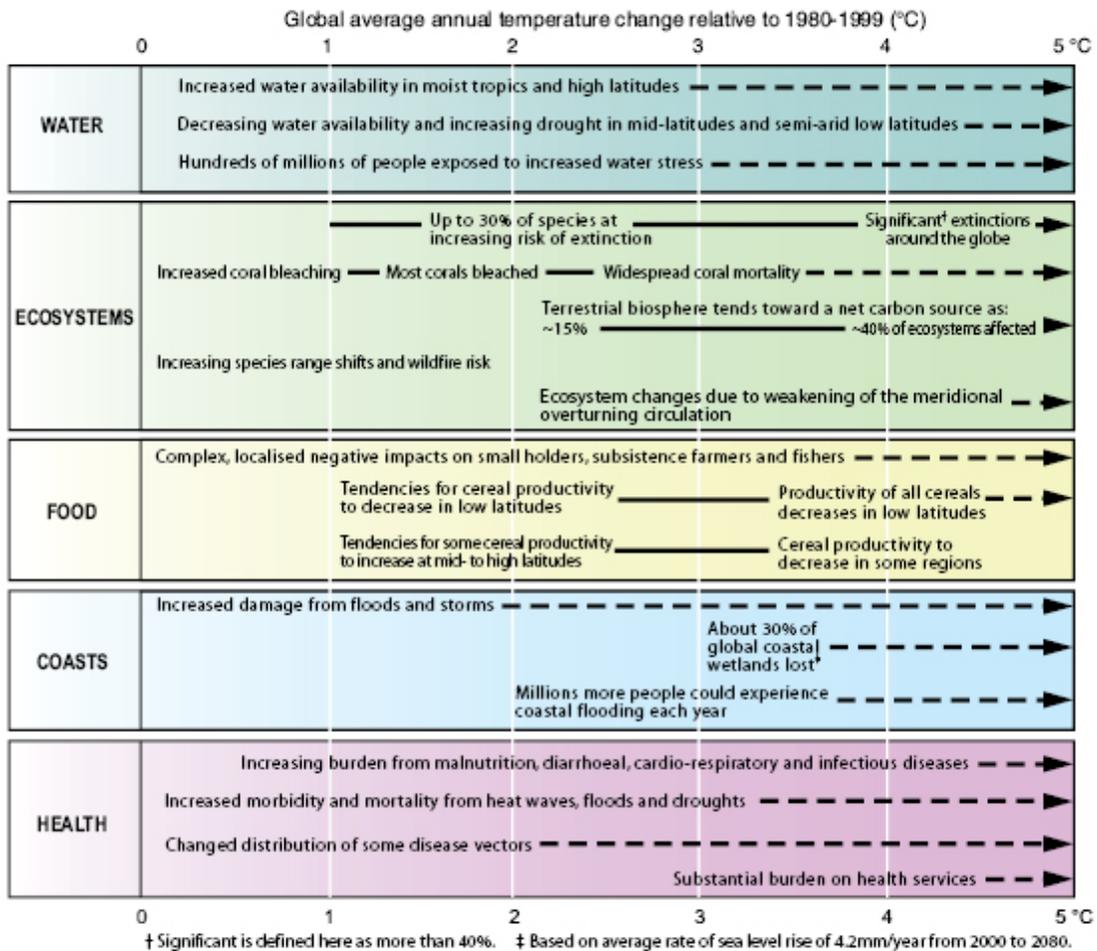
Analysis of cumulative impacts for reasonably foreseeable development (RFD) of oil and gas wells on public lands in the Cody Field Office is presented in the Cody Resource Management Plan, Final Environmental Impact Statement, and Record of Decision, signed on November 8, 1990. Potential development of all available federal minerals in the field office, including those in the proposed lease parcels, was included as part of the analysis.

As described in the analysis of environmental consequences, the proposed action and/or the alternative may contribute to the effects of climate change to some extent through GHG emissions. However, it is not currently possible to associate any of these particular actions with the creation of any specific climate-related environmental effects. The lack of scientific tools designed to predict climate change at regional or local scales limits the ability to quantify potential future impacts.

The assessment of greenhouse gas (GHG) emissions and climate change is still in its formative phase; therefore, it is not yet possible to know with confidence the net impact on climate. However, the Intergovernmental Panel on Climate Change (IPCC 2007) recently concluded that “warming of the climate system is unequivocal” and “most of the observed increase in globally average temperatures since the mid-20th century is very likely due to the observed increase in anthropogenic [man-made] greenhouse gas concentrations.” As the temperatures of the land and sea change, environmental factors such as weather patterns, sea levels, precipitation rates, the timing of the seasons, desert distribution, forest cover, and ocean salinity will also change. These changes influence the world’s climate systems and will have different impacts to different areas. Some agricultural regions may become more arid while others become wetter; some mountainous areas will experience greater summer precipitation, yet experience disappearing snowpack.

Based on research compiled for the International Panel on Climate Change Fourth Assessment Report, 2007, potential effects of climate change on resources in the affected environment are likely to be varied. Figure 4.6.1, taken from the Fourth Assessment Report indicates varying responses of the natural world to increasing temperatures as a result of increasing global temperatures.

Figure 4.6.1: Examples of impacts associated with global average temperature change (Impacts will vary by extent of adaptation, rate of temperature change and socio-economic pathway)



Within North America, the report specifically forecasts that: Warming in western mountains is projected to cause decreased snowpack, more winter flooding and reduced summer flows, exacerbating competition for over-allocated water resources; in the early decades of the century, moderate climate change is projected to increase aggregate yields of rain-fed agriculture by 5 to 20%, but with important variability among regions; major challenges are projected for crops that are near the warm end of their suitable range or which depend on highly utilized water resources; cities that currently experience heat waves are expected to be further challenged by an increased number, intensity and duration of heat waves during the course of the century, with potential for adverse health impacts and coastal communities and habitats will be increasingly stressed by climate change impacts interacting with development and pollution. Specific modeling and/or assessments of the potential effects for the Cody Field Office and for the State of Wyoming currently do not exist.

Based on a 0.00059 mt/well emission factor (See Section 4.2), an RFD of 30 wells drilled and produced per year would result in approximately 0.0177 mt of CO₂e, potentially being added to the current levels associated with oil and gas development in the Cody Field Office. It is

unknown what the drilling density may be for these parcels, if they were to be developed; therefore, it is impossible to predict what level of emissions could occur from development at this stage under the proposed action. Additionally, this assumes that each well produces at the same volumes, with the same emission factor.

The average number of oil and gas wells drilled annually in the Field Office and probable GHG emission levels, when compared to the total GHG emission estimates from the total number of Federal oil and gas wells in the State, represent an incremental contribution to the total regional and global GHG emission levels. This incremental contribution to global GHG gases cannot be translated into incremental effects on climate change globally or in the area of these site-specific actions. As oil and gas and natural gas production technology continues to improve in the future, one assumption is that it may be feasible to further reduce GHG emissions. Emissions of all regulated pollutants (including GHGs) and their impacts will be quantified and evaluated at the time that a specific development project is proposed.

Regarding the linkage between climate changes related warming and associated impacts, an assessment of the IPCC states that difficulties remain in attributing observed temperature changes at smaller than continental scales. Therefore, it is currently beyond the scope of existing science to predict climate change on regional or local scales resulting from specific sources of GHG emissions.

Significant uncertainties remain with respect to the estimates of the current level of emissions and projections of future production of fossil fuels as the oil and gas industry is difficult to forecast with the mix of drivers: economics, resource supply, demand, and regulatory procedures. The assumptions used for the projections, based on recent trends or State production trends in the near-term, and AEO2006 growth rates through 2020, do not include any significant changes in energy prices, relative to today's prices. Large price swings, resource limitations, or changes in regulations could significantly change future production and the associated GHG emissions. Other uncertainties include the volume of GHGs vented from gas processing facilities in the future, any commercial oil shale or coal-to-liquids production, and potential emissions-reducing improvements in oil and gas production, processing, and pipeline technologies.

There are currently no proposals for renewable energy projects in the Cody Field Office.

5.0 Description of Mitigating Measures and Residual Impacts

The issuance of those leases identified under the proposed action will be mitigated by attaching appropriate conditions of approval to any subsequent requests for lease development either on a case by case basis or upon receipt of a multi-well project proposal. The Cody Field Office, Surface Use and Occupancy Requirements, Conditions of Approval, and the Cody Field Office's Special Leasing Stipulations, which are in place at the Wyoming State Office, will provide adequate mitigation for issuance of all lease parcels under the Proposed Action.

Direct, indirect, cumulative, and residual impacts of leasing and lease development are generally described in the Cody Field Office Approved Resource Management Plan and Record of Decision,

November 8, 1990. An environmental analysis will be prepared on a case-by-case basis upon receipt of future subsequent actions.

6.0 Consultation/Coordination

Cody Field Office BLM Staff

David Seward, Natural Resource Specialist

Ann E. Perkins, Planning and Environmental Specialist

Destin Harrell, Wildlife Biologist

Wyoming State Office BLM Staff

Christopher Carlton, Planning and Environmental Coordinator

Merry Gamer, Physical Scientist

7.0 References

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IPCC, 2007: *Climate Change 2007: Synthesis Report. Contribution of Working Groups I, II and III to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change* [Core Writing Team, Pachauri, R.K and Reisinger, A. (eds.)]. IPCC, Geneva, Switzerland, 104 pp.

National Academy of Sciences. 2006. Understanding and Responding to Climate Change: Highlights of National Academies Reports. Division on Earth and Life Studies. National Academy of Sciences. Washington, D.C. (Available on the Internet: <http://dels.nas.edu/basc/Climate-HIGH.pdf>.)

U.S. Department of the Interior, Bureau of Land Management. 1990. Cody Resource Area, Final Environmental Impact Statement and Resource Management Plan. Cody, Wyoming.

7.1 Authorities

Code of Federal Regulations (CFR) 3100

Code of Federal Regulations Part 1800 (National Environmental Policy Act)

40 CFR All Parts and Sections inclusive Protection of Environment, Revised as of July 1, 2001.

43 CFR, All Parts and Sections inclusive - Public Lands: Interior. Revised as of October 1, 2000.

U.S. Department of the Interior, Bureau of Land Management, and Office of the Solicitor (editors). 2001. The Federal Land Policy and Management Act, as amended. Public Law 94-579.

Executive Order 13423 “Strengthening Federal Environmental, Energy, and Transportation Management,” Secretary of Interior, Salazar, January 24, 2007

APPENDIX A

LEASE PARCELS

JUNE 2008 PARCELS

WY-0806-198 639.750 Acres

T.0520N, R.0950W, 06th PM, WY

Sec. 001 TR 55A,55B;

002 LOTS 9-12,15-18,21;

002 TR 53B,53C,53D,55A,55B,55D;

002 TR 55E,55F;

Big Horn County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use within bald eagle roosting habitat will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting bald eagle roosting habitat.

CSU (1) Surface occupancy or use within 1/4 mile or visual horizon of trail whichever is closer may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting cultural and scenic values of historic canals or trails.

CSU (1) Surface occupancy or use may be restricted or prohibited if vertebrate or scientifically significant paleontological resources exist, unless such paleontological resources are avoided, or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; paleontological resources protection stipulations will apply to any surface disturbing activities; and in areas with high potential for vertebrate or scientifically significant paleontological resources (PFYC=5) a paleontological survey will be required prior to any surface disturbing activities; (2) as mapped on the Cody Field Office GIS database; (3) protecting vertebrate or scientifically significant paleontological resources.

WY-0806-199 1661.210 Acres

T.0520N, R.0950W, 06th PM, WY

Sec. 002 LOTS 25;

003 LOTS 5-12;

003 TR 57C,57D,58A;

004 TR 58A,58B;

011 LOTS 23;

011 TR 530,53P;

012 LOTS 11,14;

012 SE;

012 TR 53P;

013 ALL;

014 LOTS 1,3,12;

014 SENE,E2SE;

014 TR 42H,42I;

Big Horn County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use within the Class I prairie dog towns in essential blackfooted ferret habitat will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting essential ferret habitat.

CSU (1) Surface occupancy or use within bald eagle roosting habitat will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting bald eagle roosting habitat.

CSU (1) Surface occupancy or use within 1/4 mile or visual horizon of trail whichever is closer may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting cultural and scenic values of historic canals or trails.

CSU (1) Surface occupancy or use may be restricted or prohibited if vertebrate or scientifically significant paleontological resources exist, unless such paleontological resources are avoided, or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; paleontological resources protection stipulations will apply to any surface disturbing activities; and in areas with high potential for vertebrate or scientifically significant paleontological resources (PFYC=5) a paleontological survey will be required prior to any surface disturbing activities; (2) as mapped on the Cody Field Office GIS database; (3) protecting vertebrate or scientifically significant paleontological resources.

WY-0806-204 1290.340 Acres

T.0570N, R.0970W, 06th PM, WY

Sec. 005 LOTS 3,4;

005 S2NW,SW;

006 LOTS 1,2;

006 S2NE,E2SE;

008 E2,E2W2,NWNW,SWSW;

017 TR 8,9,10,11;

Big Horn County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use within 1/4 mile or visual horizon of trail whichever is closer may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting cultural and scenic values of the (Bridger Trail, Nez Perce (Neemepoo) Trail, Fort Washsachie to Red Lodge stage route and the Wiley and Sidon Canals.)

CSU (1) Surface occupancy or use may be restricted or prohibited if vertebrate or scientifically significant paleontological resources exist, unless such paleontological resources are avoided, or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; paleontological resources protection stipulations will apply to any surface disturbing activities; and in areas with high potential for vertebrate or scientifically significant paleontological resources (PFYC=5) a paleontological survey will be required prior to any surface disturbing activities; (2) as mapped on the Cody Field Office GIS database; (3) protecting vertebrate or scientifically significant paleontological resources.

WY-0806-206 267.830 Acres
T.0480N, R.1010W, 06th PM, WY
Sec. 004 LOTS 4-9;
004 TR 39A,39B;

Park County
Cody FO
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use within the Class I prairie dog towns in essential blackfooted ferret habitat will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting essential ferret habitat.

CSU (1) Surface occupancy or use may be restricted or prohibited if vertebrate or scientifically significant paleontological resources exist, unless such paleontological resources are avoided, or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; paleontological resources protection stipulations will apply to any surface disturbing activities; and in areas with high potential for vertebrate or scientifically significant paleontological resources (PFYC=5) a paleontological survey will be required prior to any surface disturbing activities; (2) as mapped on the Cody Field Office GIS database; (3) protecting vertebrate or scientifically significant paleontological resources.

WY-0806-207 51.360 Acres
T.0490N, R.1010W, 06th PM, WY
Sec. 033 LOTS 2,3;

Park County
Cody FO
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Sage grouse.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use within the Class I prairie dog towns in essential blackfooted ferret habitat will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting essential ferret habitat.

(1) Feb. 1 - July 31; (2) as mapped on the Cody Field Office GIS database; (3) Protecting raptor nesting sites.

TLS CSU (1) Surface occupancy or use within 3/4 mile or visual horizon of a raptor nest, whichever is closer, will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting Raptor nesting habitat.

CSU (1) Surface occupancy or use may be restricted or prohibited if vertebrate or scientifically significant paleontological resources exist, unless such paleontological resources are avoided, or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; paleontological resources protection stipulations will apply to any surface disturbing activities; and in areas with high potential for vertebrate or scientifically significant paleontological resources (PFYC=5) a paleontological survey will be required prior to any surface disturbing activities; (2) as mapped on the Cody Field Office GIS database; (3) protecting vertebrate or scientifically significant paleontological resources.

WY-0806-208 1999.220 Acres
T.0520N, R.1010W, 06th PM, WY
Sec. 020 E2;

021 LOTS 1-4;

021 NWNE,NW,NWSW;

028 LOTS 1-3;

028 NWNW,S2N2,S2;

029 E2;

032 NENE;

033 N2;

Park County
Cody FO
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Sage grouse.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) Surface occupancy or use within 1/4 mile of a Sage grouse strutting/dancing ground will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting Sage grouse breeding habitat.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use within 1/4 mile or visual horizon of trail whichever is closer may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting cultural and scenic values of the (Bridger Trail, Nez Perce (Neemepoo) Trail, Fort Washsachie to Red Lodge stage route and the Wiley and Sidon Canals.)

CSU (1) Surface occupancy or use may be restricted or prohibited if vertebrate or scientifically significant paleontological resources exist, unless such paleontological resources are avoided, or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; paleontological resources protection stipulations will apply to any surface disturbing activities; and in areas with high potential for vertebrate or scientifically significant paleontological resources (PFYC=5) a paleontological survey will be required prior to any surface disturbing activities; (2) as mapped on the Cody Field Office GIS database; (3) protecting vertebrate or scientifically significant paleontological resources.

WY-0806-209 200.000 Acres
T.0530N, R.1020W, 06th PM, WY
Sec. 028 E2SW,S2SE;
033 NENW;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

CSU (1) Surface occupancy or use will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting Class I and II Visual Resource Management Areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the

continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting *Ursus arctos horribilis* (Grizzly bear).

CSU (1) Surface occupancy or use may be restricted or prohibited if vertebrate or scientifically significant paleontological resources exist, unless such paleontological resources are avoided, or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; paleontological resources protection stipulations will apply to any surface disturbing activities; and in areas with high potential for vertebrate or scientifically significant paleontological resources (PFYC=5) a paleontological survey will be required prior to any surface disturbing activities; (2) as mapped on the Cody Field Office GIS database; (3) protecting vertebrate or scientifically significant paleontological resources.

CSU (1) Surface occupancy or use will be restricted or prohibited unless the operator develops a plan or avoidance of all hazards that could result from construction and drilling operations; (2) as mapped on the Cody Field Office GIS database; (3) Protecting cave passages and karst areas on public land.

WY-0806-212 506.290 Acres
T.0490N, R.1030W, 06th PM, WY
Sec. 030 LOTS 2-8;
030 NE,E2NW,NESE;
031 LOTS 1;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) May 1 to Jun 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game during parturition.

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) Surface occupancy or use will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting Class I and II Visual Resource Management Areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting *Canis lupus* Grey Wolf).

CSU (1) Surface occupancy or use will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting Class I and II Visual Resource Management Areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting *Ursus arctos horribilis* (Grizzly bear).

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use will be restricted or prohibited on slopes steeper than seven percent (7%) unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting fragile soils with shallow topsoil in cold, xeric climatic conditions.

CSU (1) Surface occupancy or use to remove snow on access roads for exploration or production will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting critical big game habitat.

CSU (1) Surface occupancy or use may be restricted or prohibited if vertebrate or scientifically significant paleontological resources exist, unless such paleontological resources are avoided, or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; paleontological resources protection stipulations will apply to any surface disturbing activities; and in areas with high potential for vertebrate or scientifically significant paleontological resources (PFYC=5) a paleontological survey will be required prior to any surface disturbing activities; (2) as mapped on the Cody Field Office GIS database; (3) protecting vertebrate or scientifically significant paleontological resources.

LEASE NOTICE – CARTER MOUNTAIN AREA OF CRITICAL ENVIRONMENTAL CONCERN (ACEC)

This notice does not alter terms of the lease, however it makes clear what will be expected of the lessee to drill and produce the lease. The Carter Mountain ACEC is protected by a large number of lease stipulations, and development cannot occur without exception modification or waiver (EMW) of some or all of these stipulations. Any and all EMW requests will be expected to show how the absolute ecological sustainability of Carter Mountain ACEC, and its component resources, will be maintained in spite of the planned oil and gas activity.

Pursuant to Section 6 of Standard Form 3100-11, minor surveys may be required on any lease, but to deal with EMW requests needed to drill in this ACEC, potential lessees should expect extensive inventories that could require more than one or more growing seasons and subsequent scientific evaluations and modeling that could require additional time. Because the studies will be driven by stipulations attached to the lease, the lessee will be expected to anticipate time delays such that permit submittal, inventories, analyses, environmental documentation, site preparation and drilling have all occurred before the expiration date of the lease. Requests for lease suspension any time during this process will be difficult if

not impossible to grant, because values anticipated and documented by the lease stipulations have been accepted by the lessee as part of the lease.

This parcel occupies part of the Carter Mountain ACEC, which, at an elevation of between 9500 and 11000 feet, contains fragile soils and alpine tundra. It is also a diverse and productive habitat area for mule deer, elk, big horn sheep, grizzly bear and gray wolves and several sensitive plant and animal species; is rich in vertebrate or scientifically significant paleontological resources; and is subject to Class II Visual Resource Management requirements. Of all the high value ecosystems in the Cody area, this is the BLM management area most closely associated with the Greater Yellowstone Ecosystem – some elk that winter in the Carter Mountain ACEC spend their summers in Yellowstone National Park. Specific EMW requirements for each stipulation are shown below:

CSU Slope Stipulation (7%) - The entire ACEC is subject to a 7% slope stipulation whose management objective is to protect fragile soils and alpine tundra. Although the average slope of the ACEC is 13%, only about 8% of the area has less than 10% slope. Although there are existing roads and trails (including the Carter Mountain Road), they are in a primitive or restoring condition and would not be suitable for use without re-grading/reconstruction; and consequently, their use would require an EMW request. EMW requests will include site specific soils and vegetative inventories and include a detailed reclamation plan as required in Onshore Oil and Gas Order No. 1.

CSU Riparian Stipulation – Riparian areas occur mainly in and along stream channels, but some are also formed adjacent to seeps on steep mountain slopes. They contribute to the maintenance of water quality and provide habitat of some sort to many species of wildlife. The management objective is to maintain riparian areas by preventing any sediment from reaching these areas while allowing the runoff that riparian areas need to maintain themselves to reach them. Stream drainages in the ACEC also support Yellowstone Cutthroat trout (a BLM Sensitive Species) with habitat that would be very sensitive to any sedimentation increases.

CSU VRM Class II Management – The entire ACEC is designated for Visual Class II management with the objective of retaining the existing character of the landscape. Level of change to landscape should be low, activities may be seen but should not attract attention of the casual observer, and changes should repeat basic elements found in predominant natural features of the landscape.

CSU Vertebrate or Scientifically Significant Paleontological Resources Stipulation – This resource is located predominately in the Eocene Wiggins Formation but fossils, of this type could be found anywhere in the Carter Mountain ACEC. The management objective is to protect all vertebrate or scientifically significant paleontological resources. To meet this objective, an inventory must be completed, and the project moved, if necessary, to avoid such paleontological resources.

TLS Big Game Crucial Winter Range Stipulation – This stipulation protects lands needed by wintering big game. The management objective is to allow continued and normal (undisturbed) use of winter range between November 15 and April 30. At lower elevations EMW requests are sometimes granted because the animals are in “up country” areas and do not need ranges where activities would occur. This is not likely on Carter Mountain where some animals stay all winter and some use the area throughout the year. This stipulation would be applied to production and maintenance activities as well as drilling.

TLS Big Game Parturition Areas – This stipulation protects lands needed by big game for reproduction and in initial stage of rearing young. In principle, the management objective is to allow continued and normal use of big game parturition areas from May 1 to June 30 such that activities do not disrupt birthing or result in any abandonment of young animals. Stipulation would be applied to production and

maintenance activities as well as drilling. EMW requests must demonstrate in principle how the management objective would not be compromised.

CSU Surface Occupancy or prohibiting use of equipment to Remove Snow Stipulation - This stipulation protects wintering big game from disturbance and/or limits disturbance during big game reproductive periods from road traffic. In principle the management objective is twofold: 1) it seeks to allow continued and normal use of winter range between November 15 and April 30; and, it seeks to allow continued and normal use of big game parturition areas from May 1 to June 30 by limiting road access during snow cover periods, so activities do not result in any disruption of wildlife use. Stipulation would be applied to production and maintenance activities also. EMW requests must demonstrate in principle how the management objectives are met.

CSU Surface Occupancy to Protect Grizzly Bears Stipulation – This stipulation protects grizzly bears and grizzly bear habitat during all phases of their life cycle. Grizzly bear is a BLM Sensitive species and were a ESA Threatened species until delisting in 2007 but will be managed by a regional Conservation Strategy (signed by BLM) with specific habitat protection guidelines. The specific management objective is to avoid habitat modification or disturbance that would affect the present or continued use by resident or itinerant animals. EMW requests must demonstrate in principle how the management objectives are met.

CSU Surface Occupancy to Protect Gray Wolves Stipulation – This stipulation protects gray wolves and gray wolf habitat during all phases of their life cycle. Currently gray wolves are protected by the Endangered Species Act as a threatened but experimental population. Wolves are expected to be delisted in the near future but habitat protection measures would continue and the wolves would be considered a BLM Sensitive Species after delisting. The specific management objective is to avoid habitat modification or disturbance that would affect the present or continued use by resident or itinerant animals. EMW requests must demonstrate in principle how the management objectives are met.

AUGUST 2008 PARCELS

WY-0808-136 400.000 Acres
T.0520N, R.0920W, 06th PM, WY
Sec. 005 TR 54A,54B,54C,60E,60F,60G;
005 TR 60I,60J,60K,60L;
006 TR 60E,60L;

Big Horn County

Cody FO

Worland FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

CSU (1) Surface occupancy or use will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Worland Field Office GIS database; (3) protecting Class I and/or Class II Visual Resource Management Areas.

WY-0808-144 1277.610 Acres
T.0510N, R.0950W, 06th PM, WY

Sec. 018 LOT 51 OF TR 58;
018 LOT 52 OF TR 58;
018 LOT 50 OF TR 63;
018 LOT 29 OF TR 66;
018 LOT 31 OF TR 66;
018 LOT 34 OF TR 66;
018 LOT 43 OF TR 66;
018 LOT 44 OF TR 66;
018 LOT 45 OF TR 66;
019 LOT 6 OF TR 58;
019 LOT 7 OF TR 58;
019 LOT 16 OF TR 58;
019 LOT 17 OF TR 58;
019 LOT 8 OF TR 63;
019 LOT 15 OF TR 63;
022 LOTS 16,21,22,24,39;
022 LOT 11 OF TR 52;
022 LOT 15 OF TR 52;
022 LOT 23 OF TR 52;
022 LOT 25 OF TR 52;
022 LOT 26 OF TR 52;
022 LOT 35 OF TR 52;
022 LOT 36 OF TR 52;
022 LOT 38 OF TR 52;
023 LOTS 5,7,13,17,19,22,23,26;
023 LOTS 28,29;
023 SESW,NESE,S2SE;
024 LOTS 3,7,8,11,12,15;
024 SENW,NWSW,S2S2,NESE;

Big Horn County

Worland FO

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Worland Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

WY-0808-145 1912.640 Acres

T.0550N, R.0950W, 06th PM, WY

Sec. 001 LOTS 1-4;

001 S2N2,S2;

002 LOTS 1-4;
002 S2N2,S2;
003 LOTS 1-4;
003 S2N2,S2;

Big Horn County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

NSO (1) as mapped on the Cody Field Office GIS database; (2) protecting the Lovell DOD.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

WY-0808-146 2560.000 Acres
T.0550N, R.0950W, 06th PM, WY

Sec. 011 ALL;
012 ALL;
013 ALL;
014 ALL;

Big Horn County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

NSO (1) as mapped on the Cody Field Office GIS database; (2) protecting the Lovell DOD.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

WY-0808-147 2499.760 Acres
T.0550N, R.0950W, 06th PM, WY

Sec. 023 ALL;
024 ALL;
025 LOTS 1,2;

025 N2,N2S2;
026 LOTS 1;
026 N2,SW,N2SE,SWSE;

Big Horn County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

WY-0808-148 375.970 Acres
T.0550N, R.0950W, 06th PM, WY
Sec. 035 LOTS 1-4;
035 W2E2;
036 LOTS 1,3-6;

Big Horn County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

WY-0808-163 1480.130 Acres
T.0510N, R.1010W, 06th PM, WY
Sec. 025 LOTS 4-7,9;
025 TR 62A,62B,62C,62F,62G,62H;
025 TR 62I,62J,62K,60L;
026 LOTS 3-7;
026 SENW,SW;
026 TR 62C,62D,62E,62F;
035 LOTS 3,5-7;

035 S2NW,E2SW;
036 LOTS 1-3;
036 SESE;

Park County
Cody FO
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) Mar 15 to Jul 15; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Sage grouse.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

WY-0808-164 2130.650 Acres

T.0560N, R.1010W, 06th PM, WY

Sec. 001 TR 37A,37B,37C,37D,37E,37F;

001 TR 37G,37H,37I,37J,37K,37L;

001 TR 37M,37N,37O,37P,48A,48B;

001 TR 48C,48D,69D,70E,70F,70O;

001 TR 70P;

002 TR 37D,37E,37L,37M,47B,47C;

002 TR 47D,48D;

003 TR 47D;

010 TR 47D,47E,47L,47M,50D;

011 TR 47B,47C,47D,47E,47F,47G;

011 TR 47J,47K,47L,47M,47N,47O;

011 TR 48D,48E,48L,48M,50B,50C;

011 TR 50D;

012 TR 48A,48B,48C,48D,48E,48F;

012 TR 48G,48H,48I,48J,48K,48L;

012 TR 48M,48N,48O,48P,69D,69E;

012 TR 69L,69M;

014 TR 50B,50C,50D;

015 TR 50D;

Park County
Cody FO
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) Mar 15 to Jul 15; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Sage grouse.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

WY-0808-165 1253.000 Acres

T.0560N, R.1010W, 06th PM, WY

Sec. 003 TR 39A,39B,39C,39D,39E,39F;

003 TR 39G,39H,39I,39J,39K,39L;

003 TR 39M,46A,46B,46C,46D;

004 TR 39E,39F,39M,41A,41B,41G;

004 TR 41H,41K,41L,41M,41N,45A;

004 TR 45B,45C,45D,46D;

005 TR 41L,41M,45D;

008 TR 45D;

009 TR 45A,45B,45C,45D,46D;

010 LOTS 1-3;

010 TR 46A,46B,46C,46D;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) Mar 15 to Jul 15; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Sage grouse.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

WY-0808-166 1104.570 Acres

T.0560N, R.1010W, 06th PM, WY

Sec. 005 TR 42A,42B,42C,42D,42E,42F;

005 TR 42G,42H,44A,44B,44C,44D;

006 LOTS 8;

006 TR 42D,42E,44D,55A,55B,55C;

006 TR 55D,55G,55H,55I,55J,55K;

006 TR 55L,55M,55N,55Q,55R,55S;

006 TR 55T,56A,56B,56C;

007 TR 44D,56A,56B,56C;

008 TR 44A,44B,44C,44D;

Park County
Cody FO
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

WY-0808-167 1329.390 Acres

T.0560N, R.1010W, 06th PM, WY

Sec. 007 LOTS 5,6;

007 S2NE,SE;

007 TR 56F,56G,56H,56I;

008 LOTS 1-4;

008 SWNW,W2SW;

008 TR 44E,44F,44G,45E,45L,52B;

009 LOTS 1;

009 TR 45E,45F,45G,45H,45I,45J;

009 TR 45K,45L,45P,46E,46L,46M;

010 TR 46E,46L,46M;

017 TR 52B;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) Mar 15 to Jul 15; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Sage grouse.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

WY-0808-168 1874.710 Acres

T.0560N, R.1010W, 06th PM, WY

Sec. 013 TR 49J,49K,49L,49M,49N,49O;

013 TR 58B,58C,58D;

014 LOTS 1-3;
014 TR 49L,49M,50E,50F,50G,50H;
014 TR 50I,50J,50K,50L,50M,57A;
014 TR 57B,57C,57D,58D;
015 TR 57D;
022 TR 57D,57E,57L,57M;
023 LOTS 1-4;
023 TR 57A,57B,57C,57D,57E,57F;
023 TR 57G,57H,57I,57J,57K,57L;
023 TR 57M,57N,58D,58E,58L;
024 LOTS 1-4;
024 TR 58B,58C,58D,58E,58F,58G;
024 TR 58J,58K,58L,67E,67J,67K;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) Mar 15 to Jul 15; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Sage grouse.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 1/4 mile of a Sage grouse strutting/dancing ground will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting Sage grouse breeding habitat.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

WY-0808-169 2012.490 Acres

T.0560N, R.1010W, 06th PM, WY

Sec. 016 LOTS 5-7;

019 LOTS 5-8;

019 NE,E2W2;

020 N2,SW,SWSE;

029 LOTS 1-3;

029 TR 61A,61B,61C,61D,61E,61F;

029 TR 61G,61H,61I,61J,61K,61L;

030 LOTS 5-8;

030 TR 61D,61E,61L,62A,62B,62C;

030 TR 62F,62G,62H,62I,62J,62K;

030 TR 62L,62M;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) Mar 15 to Jul 15; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Sage grouse.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

WY-0808-170 1818.800 Acres

T.0560N, R.1010W, 06th PM, WY

Sec. 025 LOTS 1-4;

025 N2,N2S2;

026 LOTS 1;

026 N2,SW,N2SE,SWSE;

027 LOTS 1-5;

027 S2NE,SENW,S2;

035 LOTS 1-4;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Special Lease Stipulation

TLS (1) Mar 15 to Jul 15; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Sage grouse.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 1/4 mile of a Sage grouse strutting/dancing ground will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting Sage grouse breeding habitat.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

OCTOBER 2008 PARCELS

WY-0810-196 64.890 Acres

T.0550N, R.0970W, 06th PM, WY

Sec. 029 SENW;

030 LOTS 7;

030 N2SESW;

Big Horn County

Cody FO
BUREAU OF RECLAMATION

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

WY-0810-197 144.910 Acres
T.0550N, R.0970W, 06th PM, WY
Sec. 036 LOTS 1-4;

Big Horn County

Cody FO

BUREAU OF RECLAMATION

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

WY-0810-198 80.000 Acres
T.0570N, R.0970W, 06th PM, WY
Sec. 008 SWNW,NWSW;

Big Horn County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

WY-0810-214 118.960 Acres
T.0500N, R.0990W, 06th PM, WY
Sec. 033 LOTS 16,19,23;
033 SESW;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Greater sage-grouse.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

WY-0810-217 270.460 Acres
T.0500N, R.1000W, 06th PM, WY
Sec. 035 LOTS 1-4;
035 E2NW;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Greater sage-grouse.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

WY-0810-218 80.000 Acres
T.0470N, R.1010W, 06th PM, WY
Sec. 009 E2SW;

Park County
Cody FO
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

WY-0810-223 2147.710 Acres
T.0560N, R.1020W, 06th PM, WY
Sec. 003 TR 66,67,68,69,78,79,80,81;
003 TR 93,94,95,96,109,110,111;
003 TR 112;
004 TR 81,93,112;
005 NWSW;
009 TR 112,125,144,164,177;
010 TR 109,110,111,112,125,126;
010 TR 127,128,129,140,141,142;
010 TR 143,144,164,165,166,167;
010 TR 168,173,174,175,176,177;
011 LOTS 1,2;
011 TR 129,130,131,132,133,136;
011 TR 137,138,139,140,168,169;
011 TR 170,171,172,173;
012 TR 133,136;
014 E2NE;
014 TR 171,172,173;
015 TR 173,174,175,176,177;
016 TR 177;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Greater sage-grouse.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

NSO (1) as mapped on the Cody Field Office GIS database; (2) protecting the Clarks Fork River Tract.

CSU (1) Surface occupancy or use will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting Class I and/or Class II Visual Resource Management Areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting *Ursus arctos horribilis* (Grizzly bear).

CSU (1) Surface occupancy or use within 1/4 mile of a Greater sage-grouse strutting/dancing ground will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting Greater sage-grouse breeding habitat.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use within bald eagle roosting habitat will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting bald eagle roosting habitat.

WY-0810-224 2432.300 Acres

T.0560N, R.1020W, 06th PM, WY

Sec. 012 LOTS 1-7;

012 S2S2,NWSE;

012 TR 56E,56J,134,135;

013 ALL;

014 LOTS 1-4;

014 NESE;

014 TR 195,196,197,198,219,220;

- 014 TR 221,222,223,224;
- 015 TR 195,198,219,224;
- 022 TR 224;
- 023 TR 222,223,224;
- 024 ALL;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Greater sage-grouse.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

WY-0810-225 2396.980 Acres

T.0560N, R.1020W, 06th PM, WY

Sec. 015 TR 191,192,193,194,199,200;

015 TR 201,202,215,216,217,218;

015 TR 225,226,227,228;

016 TR 191,202,215,228;

021 TR 228,245,253,269,272;

022 TR 225,226,227,228,245,246;

022 TR 247,248,252,253,269,270;

022 TR 271,272;

027 TR 271,272,289,290,291,292;

027 TR 293,294,295,309,310,311;

027 TR 312,317,318,319;

028 TR 272,289,295,309,319;

033 TR 319,326,337;

034 LOTS 3-6;

034 TR 317,318,319,326,327;

034 TR 328,329,330,333,334,335;

034 TR 336,337,339,340,341;

035 TR 330,331,332,333,341,342;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Greater sage-grouse.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting Class I and/or Class II Visual Resource Management Areas.

CSU (1) Surface occupancy or use within 1/4 mile of a Greater sage-grouse strutting/dancing ground will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting Greater sage-grouse breeding habitat.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

WY-0810-226 2146.350 Acres

T.0560N, R.1020W, 06th PM, WY

Sec. 019 TR 280;

020 TR 262,263,264,265,276,277;

020 TR 278,279,280;

021 TR 265,266,267,268,273,274;

021 TR 275,276;

028 TR 273,274,275,276,285,286;

028 TR 287,288,296,297,298,299;

028 TR 305,306,307,308,320,321;

028 TR 322,323;

029 TR 276,277,278,279,280,281;

029 TR 282,283,284,285,299,300;

029 TR 301,302,303,304,305,323;

030 TR 280,281,303;

032 TR 323;

033 LOTS 1-4;

033 SW,SWSE;

033 TR 320,321,322,323,324,325;

033 TR 338;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Greater sage-grouse.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting Class I and/or Class II Visual Resource Management Areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting *Ursus arctos horribilis* (Grizzly bear).

CSU (1) Surface occupancy or use within 1/4 mile of a Greater sage-grouse strutting/dancing ground will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting Greater sage-grouse breeding habitat.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

WY-0810-227 1956.360 Acres

T.0560N, R.1020W, 06th PM, WY

Sec. 022 LOTS 1-4;

022 SE;

022 TR 249;

023 LOTS 1-4;

023 SENE,S2;

023 TR 249,250,251;

026 LOTS 1-4;

026 N2,N2SE,SWSE;
026 TR 313,314,315,316;
027 LOTS 3-5;
027 NENE;
027 TR 313,316;
034 TR 316;
035 LOTS 1-9;
035 SWSE;
035 TR 315,316;

Park County
Cody FO
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Greater sage-grouse.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

WY-0810-228 607.660 Acres
T.0560N, R.1020W, 06th PM, WY

Sec. 025 LOTS 1-5;
025 NWNE,N2SW;
025 TR 49,62D,62E,62N,63E;
036 LOTS 1-5;
036 TR 63E,63F,63N;

Park County
Cody FO
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

DECEMBER 2008 PARCELS

WY-0812-176 241.530 Acres
T.0500N, R.1000W, 06th PM, WY
Sec. 007 LOTS 3-6;
007 SE;

Park County
Cody FO
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Greater sage-grouse.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting *Centrocercus urophasianus* (Greater sage-grouse).

WY-0812-177 160.000 Acres
T.0480N, R.1010W, 06th PM, WY
Sec. 004 SE;

Park County
Cody FO
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use within the Class I prairie dog towns in essential blackfooted ferret habitat will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting essential ferret habitat.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed on the Fish and Wildlife Service County list.

WY-0812-178 471.320 Acres

T.0500N, R.1010W, 06th PM, WY

Sec. 001 S2NW,SW,W2SE;

012 LOTS 2,3;

012 N2SW;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Greater sage-grouse.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid

BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting *Centrocercus urophasianus* (Greater sage-grouse). (1) Surface occupancy or use within 1/4 mile or visual horizon of trail whichever is closer may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting cultural and scenic values of the (Bridger Trail, Nez Perce (Neemepoo) Trail, Fort Washakie to Red Lodge stage route, and the Wiley and Sidon Canals).

FEBRUARY 2009 PARCELS

WY-0902-113 125.000 Acres
T.0560N, R.0980W, 06th PM, WY
Sec. 006 LOTS 18-23,25-27,36-39;
006 N2NESW,N2S2NESW;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting the white-tailed prairie dog, (*Cynomys leucurus*) and the black-tailed prairie dog (*Cynomys ludovicianus*).

WY-0902-124 120.000 Acres
T.0510N, R.1020W, 06th PM, WY

Sec. 015 N2SW,NWSE;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Greater sage-grouse.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) Surface occupancy or use within 1/4 mile or visual horizon of the trail, whichever is closer, may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting cultural and scenic values of the Wiley Ditch.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting *Ursus arctos horribilis* (Grizzly bear); *centrocercus urophasianus* (Greater sage-grouse).

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting the white-tailed prairie dog, (*Cynomys leucurus*) and the black-tailed prairie dog (*Cynomys ludovicianus*).

WY-0902-130 495.130 Acres
T.0480N, R.1030W, 06th PM, WY
Sec. 018 LOTS 1-3;
018 NE,E2NW,NESW;
019 LOTS 2,3;
019 NESW;

Park County
Cody FO
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Greater sage-grouse.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting *Ursus arctos horribilis* (Grizzly bear).

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the

Cody Field Office GIS database; (3) protecting the white-tailed prairie dog, (*Cynomys leucurus*) and the black-tailed prairie dog (*Cynomys ludovicianus*).

WY-0902-131 686.100 Acres
T.0480N, R.1040W, 06th PM, WY
Sec. 001 TR 38A,38B;
010 LOTS 1-4;
012 TR 38A,38B,38C,38D,41A,41B;
012 TR 41C,41D,43A,43B;
013 TR 43A,43B,43C,43D,43E,43F;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Greater sage-grouse.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) May 1 to Jun 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game during parturition.

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting *Ursus arctos horribilis* (Grizzly bear).

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the

continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting the white-tailed prairie dog, (*Cynomys leucurus*) and the black-tailed prairie dog (*Cynomys ludivicianus*).

WY-0902-132 317.210 Acres
T.0480N, R.1040W, 06th PM, WY
Sec. 022 LOTS 1-6;
022 SESW,SWSE;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Greater sage-grouse.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) May 1 to Jun 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game during parturition.

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting *Ursus arctos horribilis* (Grizzly bear).

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid

BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting the white-tailed prairie dog, (*Cynomys leucurus*) and the black-tailed prairie dog (*Cynomys ludovicianus*).

APRIL 2009 PARCELS

WY-0904-053 1309.240 Acres

T.0570N, R.0970W, 06th PM, WY

Sec. 004 LOTS 1;

004 SENE,S2;

005 LOTS 1,2;

005 S2NE,SE;

006 LOTS 3,4;

006 SENW;

009 E2;

026 SWNE,NWNW,W2SENW,NWSE;

Big Horn County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 1/4 mile or visual horizon of the trail, whichever is closer, may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting cultural and scenic values of the Bridger Trail.

CSU (1) Surface occupancy or use within 1/4 mile or visual horizon of the trail, whichever is closer, may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting cultural and scenic values of the Sidon Ditch.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

WY-0904-054 66.700 Acres

T.0570N, R.0970W, 06th PM, WY

Sec. 029 TR 7,8;

030 TR 25,27,29;
Big Horn County
Cody FO
Formerly Lease No.
Stipulations:
Lease Notice No. 1
Lease Notice No. 2
Lease Notice No. 3
Special Lease Stipulation
TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.
TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.
CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.
CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

WY-0904-055 272.600 Acres
T.0570N, R.0970W, 06th PM, WY
Sec. 028 TR 9 (EXCL 4.13 AC IN RR
028 ROW WYW0153949);
032 SENW,SW;
032 TR 3;

Big Horn County
Cody FO
Formerly Lease No.
Stipulations:
Lease Notice No. 1
Lease Notice No. 2
Lease Notice No. 3
Special Lease Stipulation
TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.
TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.
CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts;

(2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

WY-0904-056 1912.590 Acres
T.0580N, R.0970W, 06th PM, WY
Sec. 020 LOTS 1,2;
020 S2NE,SE;
028 NW;
030 LOTS 1-4;
030 NE,E2NW,N2SE,SESE;
031 LOTS 3,4;
031 E2SW,SE;
032 ALL;

Big Horn County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 1/4 mile or visual horizon of the trail, whichever is closer, may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting cultural and scenic values of the Bridger Trail.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or

adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

WY-0904-067 1589.810 Acres

T.0540N, R.0980W, 06th PM, WY

Sec. 019 LOTS 1-8;

019 E2W2;

028 LOTS 1,2;

029 LOTS 1-5;

029 W2;

031 LOTS 1-4;

031 E2,E2W2;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Greater sage-grouse.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting *Centrocercus urophasianus* (Greater sage-grouse); Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

WY-0904-068 120.000 Acres
T.0560N, R.0980W, 06th PM, WY
Sec. 006 LOTS 9;
006 E2SE;

Park County

Cody FO

BUREAU OF RECLAMATION

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

WY-0904-069 105.000 Acres
T.0560N, R.0980W, 06th PM, WY
Sec. 006 LOTS 10,29;
006 NWSE,N2NWSWSE,E2E2SWSE;

Park County

Cody FO

BUREAU OF RECLAMATION

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

WY-0904-074 160.000 Acres
T.0470N, R.1010W, 06th PM, WY
Sec. 009 N2NE,SWNE;
010 SWNW;

Park County
Worland FO
Cody FO
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations

under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

JUNE 2009 PARCELS

WY-0906-060 1920.000 Acres

T.0570N, R.0970W, 06th PM, WY

Sec. 010 ALL;

011 ALL;

012 ALL;

Big Horn County

Cody FO

BUREAU OF RECLAMATION

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Apr 15 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew, Mountain plover, and migratory birds.

CSU (1) Surface occupancy or use within 500' of surface water and/or riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

(1) Surface occupancy or use within 1/4 mile or visual horizon of trail whichever is closer may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting cultural and scenic values of the (Bridger Trail, Nez Perce (Neemepoo) Trail, Fort Washakie to Red Lodge stage route and the Wiley and Sidon Canals).

WY-0906-061 73.910 Acres

T.0570N, R.0970W, 06th PM, WY

Sec. 028 TR 6;

028 TR 10 (EXCL .03 AC IN

028 RR ROW WYW0153949);

030 TR 30;

032 TR 6;

Big Horn County
Cody FO
BUREAU OF RECLAMATION
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

CSU (1) Surface occupancy or use within 500' of surface water and/or riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

(1) Surface occupancy or use within 1/4 mile or visual horizon of trail whichever is closer may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting cultural and scenic values of the (Bridger Trail, Nez Perce (Neemepoo) Trail, Fort Washakie to Red Lodge stage route and the Wiley and Sidon Canals).

TLS (1) Apr 15 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew, Mountain plover and migratory birds.

WY-0906-062 2284.400 Acres
T.0580N, R.0970W, 06th PM, WY

Sec. 022 LOTS 4;

022 S2SWNE,S2NW,S2;

024 LOTS 1-4;

024 S2NE,N2SWNW,SESWNW,SENW;

024 NESW,SWSW,SWSESW,N2SE;

024 N2SWSE,SESWSE,SESE;

025 SESE;

028 E2;

034 ALL;

035 SENE,S2;

Big Horn County
Cody FO
BUREAU OF RECLAMATION
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Apr 15 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew, Mountain plover, and migratory birds.

TLS (1) Apr 15 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew, Mountain plover and migratory birds.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

NSO (1) Surface occupancy or use will be restricted or prohibited unless the operator develops a plan or avoidance of all hazards that could result from construction and drilling operations; (2) as mapped on the Cody Field Office GIS database; (3) Protecting use and access to existing locatable minerals mines.

WY-0906-069 1.000 Acres
T.0560N, R.0990W, 06th PM, WY
Sec. 027 TR 5 OF LOT 48;

Park County

Cody FO

BUREAU OF RECLAMATION

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may

require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

WY-0906-071 316.620 Acres
T.0500N, R.1000W, 06th PM, WY
Sec. 019 LOTS 4,7;
019 E2SW;
030 LOTS 1,2;
030 E2NW;

Park County
Cody FO
Formerly Lease No.
Stipulations:
Lease Notice No. 1
Lease Notice No. 2
Lease Notice No. 3
Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Greater sage-grouse.

TLS (1) Apr 15 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew, Mountain plover and migratory birds.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting *Centrocercus urophasianus* (Greater sage-grouse).

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

WY-0906-080 1046.790 Acres
T.0500N, R.1010W, 06th PM, WY
Sec. 014 LOTS 1,2;

014 S2SW;
015 SE;
022 LOTS 1,2;
022 NESE,S2SE;
023 LOTS 1-3,6;
023 SW,NWSE;
026 LOTS 1;
026 S2N2,S2SE;
027 SENE;

Park County
Cody FO
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Apr 15 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew, Mountain plover and migratory birds.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Greater sage-grouse and raptors.

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) Surface occupancy or use within 1/4 mile of a Greater sage-grouse strutting/dancing ground will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting Greater sage-grouse breeding habitat.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting *Centrocercus urophasianus* (Greater sage-grouse).

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

OCTOBER 2009 PARCELS

WY-0910-078 160.000 Acres
T.0550N, R.0960W, 06th PM, WY

Sec. 010 SW;
Big Horn County
Cody FO
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

CSU (1) Surface occupancy or use within 500' of surface water and(or)riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting watershed, water quality, and riparian-aquatic habitat.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

WY-0910-095 72.650 Acres
T.0560N, R.0980W, 06th PM, WY
Sec. 021 S2SE (EXCL 7.35 AC IN RR
021 ROW WYL05417);

Park County
Cody FO
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

CSU (1) Surface occupancy or use within 500' of surface water and(or)riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting watershed, water quality, and riparian-aquatic habitat.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

WY-0910-096 120.000 Acres
T.0560N, R.0980W, 06th PM, WY
Sec. 022 SWNW,W2SW;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

CSU (1) Surface occupancy or use within 500' of surface water and(or)riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting watershed, water quality, and riparian-aquatic habitat.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

DECEMBER 2009 PARCELS

WY-0912-065 40.000 Acres

T.0570N, R.0970W, 06th PM, WY

Sec. 026 SWNW;

Big Horn County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

CSU (1) Surface occupancy or use within 1/4 mile or visual horizon of the trail, whichever is closer, may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting cultural and scenic values of the Bridger Trail.

CSU (1) Surface occupancy or use within 500' of surface water and(or)riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting watershed, water quality, and riparian-aquatic habitat.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

WY-0912-066 80.000 Acres

T.0570N, R.0970W, 06th PM, WY

Sec. 027 E2NW;

Big Horn County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

CSU (1) Surface occupancy or use within 1/4 mile or visual horizon of the trail, whichever is closer, may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting cultural and scenic values of the Bridger Trail.

CSU (1) Surface occupancy or use within 500' of surface water and(or)riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting watershed, water quality, and riparian-aquatic habitat.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

WY-0912-067 40.000 Acres

T.0570N, R.0970W, 06th PM, WY

Sec. 035 SESW;

Big Horn County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

CSU (1) Surface occupancy or use within 1/4 mile or visual horizon of the trail, whichever is closer, may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting cultural and scenic values of the Bridger Trail.

CSU (1) Surface occupancy or use within 1/4 mile or visual horizon of the trail, whichever is closer, may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting cultural and scenic values of the Sidon Ditch.

CSU (1) Surface occupancy or use within 500' of surface water and(or)riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of

anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting watershed, water quality, and riparian-aquatic habitat.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

WY-0912-076 2076.160 Acres
T.0482N, R.1030W, 06th PM, WY
Sec. 033 LOTS 1;
034 LOTS 1-4;
035 LOTS 1-4;

T.0490N, R.1030W, 06th PM, WY
Sec. 027 LOTS 1-4;
027 NE,N2NW,E2SE;
028 NENE,W2NW,SW,S2SE;
033 LOTS 1-5;
033 N2NW,SW;
034 LOTS 1-4,8-11;
034 NENE,E2SE;
035 LOTS 4,5;
035 NWNW,SW;

Park County
Cody FO
Formerly Lease No.
Stipulations:
Lease Notice No. 1
Lease Notice No. 2
Lease Notice No. 3
Special Lease Stipulation

TLS (1) May 1 to Jun 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game during parturition.

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

CSU (1) Surface occupancy or use within the Carter Mountain Area will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting steep slopes, visual resources, recreational, watershed, cultural, and wildlife values.

CSU (1) Surface occupancy or use will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the

Cody Field Office GIS database; (3) protecting Class I and/or Class II Visual Resource Management Areas.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting *Ursus arctos horribilis* (Grizzly bear).

CSU (1) Surface occupancy or use within 500' of surface water and(or)riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting watershed, water quality, and riparian-aquatic habitat.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

FEBRUARY 2009 PARCELS

WY-1002-050 80.000 Acres
T.0570N, R.0970W, 06th PM, WY
Sec. 026 NWNE,NENW;

Big Horn County

Cody FO

BUREAU OF RECLAMATION

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting aquatic, watershed and riparian areas.

CSU (1) Surface occupancy or use within 1/4 mile or visual horizon of trail whichever is closer may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting cultural and scenic values of the (Bridger Trail, Nez Perce (Neemepoo) Trail, Fort Washakie to Red Lodge stage route and the Wiley and Sidon Canals.)

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

MAY 2009 PARCELS

WY-1005-079 445.000 Acres

T.0570N, R.0970W, 06th PM, WY

Sec. 022 S2NE;

023 W2NWNENW,S2NENW,W2NW;

023 SENW,SW,W2NWSE,SWSE;

Big Horn County

Cody FO

BUREAU OF RECLAMATION

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Apr 10 to Jul 10; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Long Billed curlew and/or Mountain plover.

CSU (1) Surface occupancy or use within 500' of surface water and(or)riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting watershed, water quality, and riparian-aquatic habitat.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

CSU (1) Surface occupancy or use within 1/4 mile or visual horizon of trail whichever is closer may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting

cultural and scenic values of the (Bridger Trail, Nez Perce (Neemepoo) Trail, Fort Washakie to Red Lodge stage route and the Wiley and Sidon Canals).

WY-1005-083 1560.000 Acres
T.0500N, R.1000W, 06th PM, WY
Sec. 022 N2,SW,NWSE;
027 SW,W2SE;
034 S2NE,W2,SE;
035 W2NW,SW;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Greater sage-grouse.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) Surface occupancy or use within 500' of surface water and(or)riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting watershed, water quality, and riparian-aquatic habitat.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting *Centrocercus urophasianus* (Greater sage-grouse).

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

LEASE NOTICE NO. 3

Greater Sage-Grouse Habitat: The lease may in part, or in total, contain important Greater Sage-Grouse habitats as identified by the BLM, either currently or prospectively. The operator may be required to implement specific measures to reduce impacts of oil and gas operations on the Greater Sage-Grouse populations and habitat quality. Such measures shall be developed during the Application for Permit to Drill on-site and environmental review process and will be consistent with the lease rights granted. **THIS NOTICE APPLIES TO ALL PARCELS.**

CSU (1) Surface occupancy or use within 0.6 miles of a Greater sage-grouse strutting/dancing ground will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting Greater sage-grouse breeding habitat.

WY-1005-084 760.000 Acres
T.0500N, R.1000W, 06th PM, WY
Sec. 023 S2;
025 W2SW;
026 NW,SE;
027 NENE;

Park County
Cody FO
Formerly Lease No.
Stipulations:
Lease Notice No. 1
Lease Notice No. 2
Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Greater sage-grouse.

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) Surface occupancy or use within 500' of surface water and(or)riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting watershed, water quality, and riparian-aquatic habitat.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting *Centrocercus urophasianus* (Greater sage-grouse).

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

LEASE NOTICE NO. 3

Greater Sage-Grouse Habitat: The lease may in part, or in total, contain important Greater Sage-Grouse habitats as identified by the BLM, either currently or prospectively. The operator may be required to implement specific measures to reduce impacts of oil and gas operations on the Greater Sage-Grouse populations and habitat quality. Such measures shall be developed during the Application for Permit to

Drill on-site and environmental review process and will be consistent with the lease rights granted. THIS NOTICE APPLIES TO ALL PARCELS.

CSU (1) Surface occupancy or use within 0.6 miles of a Greater sage-grouse strutting/dancing ground will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting Greater sage-grouse breeding habitat.

WY-1005-085 160.000 Acres
T.0470N, R.1020W, 06th PM, WY
Sec. 021 N2N2;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) May 1 to Jun 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game during parturition.

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting *Ursus arctos horribilis* (Grizzly bear).

CSU (1) Surface occupancy or use within 500' of surface water and(or)riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting watershed, water quality, and riparian-aquatic habitat.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

WY-1005-086 318.680 Acres
T.0500N, R.1020W, 06th PM, WY
Sec. 002 LOTS 3,4;
002 S2NW,E2SW,W2SE;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Feb 1 to Jul 31; (2) as mapped on the Cody Field Office GIS database; (3) protecting nesting Raptors.

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting *Ursus arctos horribilis* (Grizzly bear).

CSU (1) Surface occupancy or use within 500' of surface water and(or)riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting watershed, water quality, and riparian-aquatic habitat.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

CSU (1) Surface occupancy or use within 1/4 mile or visual horizon of trail whichever is closer may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting cultural and scenic values of the (Bridger Trail, Nez Perce (Neemepoo) Trail, Fort Washakie to Red Lodge stage route and the Wiley and Sidon Canals).

WY-1005-087 80.120 Acres
T.0500N, R.1020W, 06th PM, WY
Sec. 003 E2SE;
010 E2 OF LOT 1;

Park County
Cody FO
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting *Ursus arctos horribilis* (Grizzly bear).

CSU (1) Surface occupancy or use within 500' of surface water and(or)riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting watershed, water quality, and riparian-aquatic habitat.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

CSU (1) Surface occupancy or use within 1/4 mile or visual horizon of trail whichever is closer may be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting cultural and scenic values of the (Bridger Trail, Nez Perce (Neemepoo) Trail, Fort Washakie to Red Lodge stage route and the Wiley and Sidon Canals).

WY-1005-089 153.950 Acres
T.0480N, R.1030W, 06th PM, WY
Sec. 031 LOTS 2;
031 SWNE, SENW, NWSE;

Park County

Cody FO

Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) May 1 to Jun 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game during parturition.

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting *Ursus arctos horribilis* (Grizzly bear).

CSU (1) Surface occupancy or use within 500' of surface water and(or) riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting watershed, water quality, and riparian-aquatic habitat.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

WY-1005-090 849.090 Acres
T.0482N, R.1030W, 06th PM, WY
Sec. 033 LOTS 1;
034 LOTS 1-4;
035 LOTS 1-4;
T.0490N, R.1030W, 06th PM, WY
Sec. 034 LOTS 1,3,4,8-11;
034 NENE,E2SE;
035 LOTS 4,5;
035 NWNW,SW;

Park County
Cody FO
Formerly Lease No.

Stipulations:

Lease Notice No. 1

Lease Notice No. 2

Lease Notice No. 3

Special Lease Stipulation

TLS (1) Nov 15 to Apr 30; (2) as mapped on the Cody Field Office GIS database; (3) protecting big game on crucial winter range.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) as mapped on the Cody Field Office GIS database; (3) protecting *Ursus arctos horribilis* (Grizzly bear).

CSU (1) Surface occupancy or use within 500' of surface water and(or)riparian areas will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting watershed, water quality, and riparian-aquatic habitat.

CSU (1) Surface occupancy or use within the Class I prairie dog towns in essential blackfooted ferret habitat will be restricted or prohibited unless the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting essential ferret habitat.

CSU (1) The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation; (2) entire lease; (3) protecting Species listed under the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq.

CSU (1) Surface occupancy or use may be restricted or prohibited if paleontological sites exist unless paleontological sites are avoided or the operator and surface managing agency arrive at an acceptable plan for mitigation of anticipated impacts; (2) as mapped on the Cody Field Office GIS database; (3) protecting significant Bighorn Basin paleontological resources.

APPENDIX B
PARCEL INFORMATION

Lease Serial Number	Parcel ID	Status	acreage	bonus bid	rental	filing fee	Lease Issuance recommendation	Recommend deferral for RMP Revision	Recommend deferral for Sage Grouse Core Area	Recommend deferral for Wilderness Characteristics	Recommend deferral for Stipulation Modification
WYW 176648	0806-191	Sold, not issued	639.75	\$51,200.00	960.00	140.00	Defer Issuance	X			
WYW 176649	0806-192	Sold, not issued	1661.21	\$199,440.00	2,493.00	140.00	Defer Issuance	X			
WYW 176653	0806-196	Sold, not issued	1290.34	\$2,582.00	1,936.50	140.00					
WYW 176655	0806-198	Sold, not issued	267.83	\$1,072.00	402.00	140.00	Defer Issuance	X			
WYW 176656	0806-199	Sold, not issued	51.36	\$260.00	78.00	140.00	Defer Issuance	X			
WYW 176657	0806-200	Sold, not issued	1999.22	\$4,000.00	3,000.00	140.00	Defer Issuance	X	X		
WYW 176658	0806-201	Sold, not issued	200.00	\$400.00	300.00	140.00	Defer Issuance	X			
WYW 177197	0808-129	Sold, not issued	1277.61	\$115,020.00	1,917.00	140.00					
WYW 177198	0808-130	Sold, not issued	1912.64	\$3,826.00	2,869.50	140.00					
WYW 177199	0808-131	Sold, not issued	2560.00	\$30,720.00	3,840.00	140.00					
WYW 177200	0808-132	Sold, not issued	2499.76	\$5,000.00	3,750.00	140.00					
WYW 177201	0808-133	Sold, not issued	375.97	\$1,128.00	564.00	140.00					
WYW 177216	0808-148	Sold, not issued	1480.13	\$185,125.00	2,221.50	140.00	Defer Issuance	X			
WYW 177217	0808-149	Sold, not issued	2130.65	\$53,275.00	3,196.50	140.00					
WYW 177218	0808-150	Sold, not issued	1253.00	\$28,819.00	1,879.50	140.00	Defer Issuance	X			
WYW 177219	0808-151	Sold, not issued	1104.57	\$88,400.00	1,657.50	140.00	Defer Issuance	X			
WYW 177220	0808-152	Sold, not issued	1329.39	\$119,700.00	1,995.00	140.00	Defer Issuance	X			
WYW 177221	0808-153	Sold, not issued	1874.71	\$159,375.00	2,812.50	140.00	Defer Issuance	X			
WYW 177222	0808-155	Sold, not issued	1818.80	\$45,475.00	2,728.50	140.00	Defer Issuance	X			
WYW 177470	0810-190	Sold, not issued	80.50	\$162.00	121.50	140.00					
WYW 177471	0810-191	Sold, not issued	70.00	\$140.00	105.00	140.00					
WYW 177472	0810-192	Sold, not issued	64.89	\$780.00	97.50	140.00					
WYW 177473	0810-193	Sold, not issued	144.91	\$2,030.00	217.50	140.00					
WYW 177474	0810-194	Sold, not issued	80.00	\$480.00	120.00	140.00					
WYW 177490	0810-210	Sold, not issued	118.96	\$833.00	178.50	140.00					
WYW 177493	0810-213	Sold, not issued	270.46	\$1,626.00	406.50	140.00	Defer Issuance	X			
WYW 177494	0810-214	Sold, not issued	80.00	\$160.00	120.00	140.00	Defer Issuance	X			
WYW 177499	0810-219	Sold, not issued	2108.29	\$21,480.00	3,163.50	140.00	Defer Issuance	X			
WYW 177500	0810-220	Sold, not issued	2432.30	\$29,196.00	3,649.50	140.00	Defer Issuance	X			
WYW 177501	0810-221	Sold, not issued	2397.00	\$52,734.00	3,595.50	140.00	Defer Issuance	X			
WYW 177502	0810-222	Sold, not issued	2146.35	\$25,764.00	3,220.50	140.00	Defer Issuance	X			

WYW	177503	0810-223	Sold, not issued	1956.36	\$46,968.00	2,935.50	140.00	Defer Issuance	X			
WYW	177504	0810-224	Sold, not issued	607.66	\$39,520.00	912.00	140.00	Defer Issuance	X			
WYW	177806	0812-174	Sold, not issued	241.53	\$484.00	363.00	140.00	Defer Issuance	X			
WYW	177807	0812-175	Sold, not issued	160.00	\$320.00	240.00	140.00	Defer Issuance	X			
WYW	177808	0812-176	Sold, not issued	471.32	\$944.00	708.00	140.00	Defer Issuance	X			
WYW	178043	0902-107	Sold, not issued	125.00	\$250.00	187.50	140.00					
WYW	178077	0902-118	Sold, not issued	120.00		180.00	365.00	Defer Issuance	X			
WYW	178221	0904-69	Sold, not issued	105.00	\$630.00	157.50	140.00					
WYW	178206	0904-53	Sold, not issued	1309.24	\$17,030.00	1,965.00	140.00					
WYW	178207	0904-54	Sold, not issued	272.60	\$546.00	409.50	140.00					
WYW	178208	0904-55	Sold, not issued	66.70	\$134.00	100.50	140.00					
WYW	178209	0904-56	Sold, not issued	1912.59	\$3,826.00	2,869.50	140.00					
WYW	178220	0904-68	Sold, not issued	120.00	\$720.00	180.00	140.00					
WYW	178225	0904-74	Sold, not issued	160.00	\$3,040.00	240.00	140.00	Defer Issuance	X			
		0906-68	Noncompetitive	1.00		1.50						
WYW	178398	0906-70	Sold, not issued	316.62		475.50	365.00	Defer Issuance	X			
WYW	178386	0906-75	Sold, not issued	1046.79	\$2,094.00	1,570.50	140.00	Defer Issuance	X			
WYW	178734	0910-57	Sold, not issued	160.00	\$4,800.00	240.00	145.00					
		0910-64	Noncompetitive	72.65		109.50						
WYW	178744	0910-65	Sold, not issued	120.00		180.00	375.00					
WYW	178824	0912-62	Sold, not issued	40.00	\$80.00	60.00	145.00					
WYW	178825	0912-63	Sold, not issued	80.00	\$1,120.00	120.00	145.00					
WYW	178826	0912-64	Sold, not issued	40.00	\$840.00	60.00	145.00					
WYW	178962	1002-43	Sold, not issued	80.00	\$3,360.00	120.00	145.00					
WYW	179181	1005-71	Sold, not issued	1120.00	\$2,240.00	1,680.00	145.00	Defer Issuance		X		
WYW	179182	1005-72	Sold, not issued	760.00	\$18,240.00	1,140.00	145.00	Defer Issuance		X		
WYW	179183	1005-73	Sold, not issued	318.68	\$2,552.00	478.50	145.00					
WYW	179184	1005-74	Sold, not issued	80.12	\$648.00	121.50	145.00					