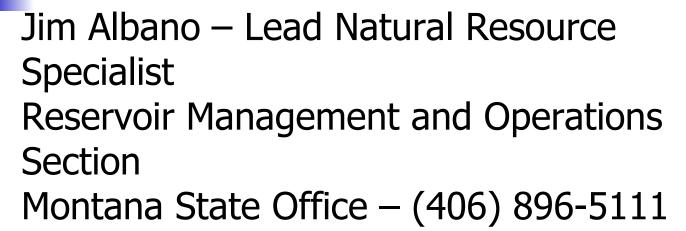
# Oil and Gas Leasing





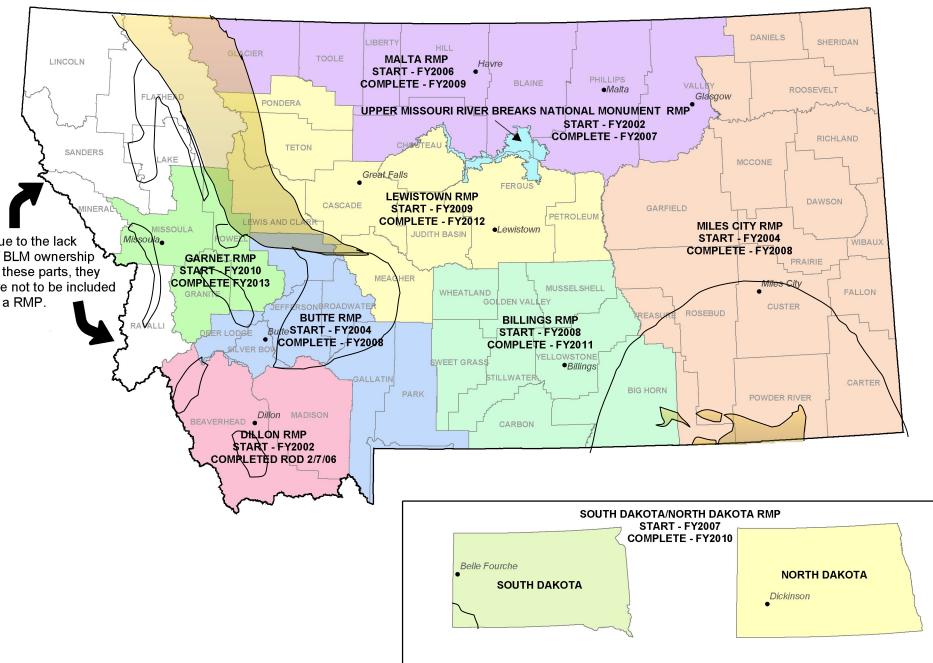


S. DEPARTMENT O

### **Overview of Presentation**

- Land Use Planning Decisions
- Leasing Process
- Post Lease Mitigation
- Leasing Statistics
- Access to Information

#### ONGOING & FUTURE LAND USE PLANNING BOUNDARIES MONTANA/DAKOTAS



Land Use Allocations for Oil and Gas

- Open for leasing subject to standard terms
- Open for leasing subject to constraints
- Open for leasing subject to NSO
- Closed for leasing

### **Oil and Gas Lease Stipulations**

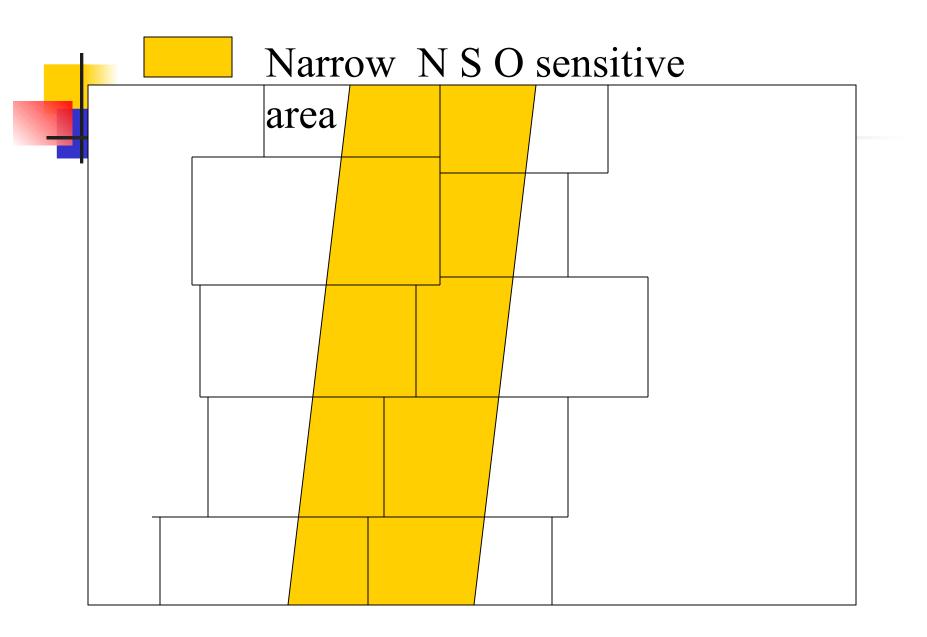
- Necessary if it does not duplicate existing laws, regulations, lease terms, and existing regulations
- Justifiable if there are resources, values, uses and/or users identified that in the absence of such stipulations cannot coexist with oil and gas operations or managed on other lands during oil and gas operations

## Lease Stipulation Policy

Lease stipulations should be used to clarify our intent if we know in advance of the need to protect certain resources or resource values

## Lease Stipulation Policy

- Use the least restrictive stipulation needed to effectively accomplish other resource objectives or uses
  - Its better to lease with no surface occupancy (NSO) than not lease at all
  - Its better to have timing restrictions rather than an NSO lease

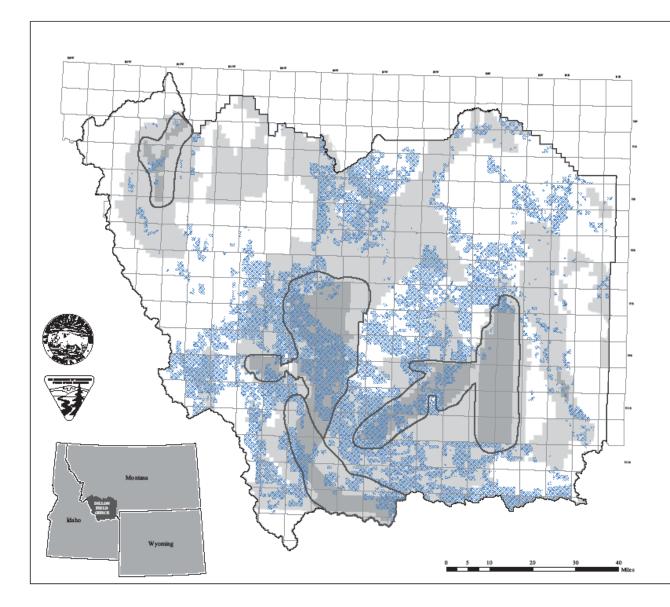


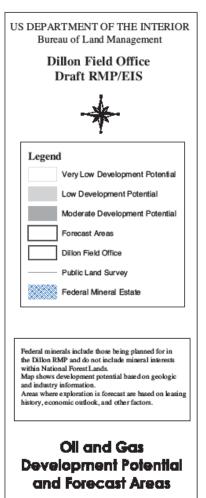
# Oil and Gas Occurrence Potential

- Existence of USGS oil and gas plays
- Thickness of the sedimentary rock sequence
- The presence of reservoir rock (the hydrocarbon "sponge')
- The presence of adequate hydrocarbon seals and traps
- Favorable timing of hydrocarbon generation, migration, trap generation, & trap preservation

### **Dillon RMP Area Potential**

- Four Areas with limited potential for occurrence and development
  - Potential for the lack of effective reservoir seals
  - Lack of thermally mature source rocks
  - Potential for thermally over mature source rocks due to igneous intrusions in the area
  - Risk of trap integrity and hydrocarbon leakage due to faulting





#### Albers Equal Area, NAD27

This map is intended for display purposes. No were not intended by the Bureau of Land Management as to the accuracy, millishing, or completeness of there data for individual or aggregate use with dother data, or for purpose suct intended by BIAM. This may not net or Manical Map Accuracy Standards: This product was do vicing draugh digital means and information may be updated without molification.

March 2004

Map 83



- State Office forwards nominated parcels to Field Offices
- Field Offices review parcels

#### Lease Parcel Review Process

#### BLM Conducts Review

- Determine if action conforms with the land use plan terms, conditions and decisions
- Consider if new information or changes warrant additional NEPA analysis
- Apply appropriate stipulations

### Lease Parcel Review Process

- BLM may decide
  - More information is needed to determine if stipulations should be applied
  - Additional resource inventories or consultation is necessary
  - Additional NEPA documentation is necessary
  - Existing NEPA documentation is adequate

### Leasing Process

- State Office attaches appropriate stipulations and makes Notice of Sale available for 45 day review
- Parcels are offered for sale at quarterly (or more frequent) lease sales
- Parcels not sold are available for noncompetitive leasing for a 2 year period

#### Montana Suspended/Deferred Acreage\_ **Field Office** Acres Lewistown 188,197 Malta 421,802 73,000 Miles City

Total

682,999

#### **Post Lease Mitigation**

- Negotiations with the lessee/operator
- Restrictions deriving from specific, nondiscretionary statutes
- Reasonable measures as may be required by the authorized officer to minimize adverse impacts to other resource values, land uses or users not addressed in the lease stipulations at the time operations are proposed

### **Non-discretionary Statutes**

- Endangered Species Act
- NHPA, Clean Water Act, Clean Air Act
- FLPMA (basis of existing policy on the application of new mitigation to existing oil and gas leases)
- Wyoming Outdoor Council, et al. v. Bosworth, et al. Sept. 30, 2003

### **Reasonable Measures**



#### **Reasonable Measures**



Regulatory Definition of Reasonable Measures

- At a minimum measures are considered consistent with contractual lease rights if they do not;
- 2. Require relocation by more than 200 meters
- 3. Require operations off the leasehold
- Prohibit new surface disturbance for more than 60 days

#### **Reasonable Measures**

- Must be consistent with lease rights granted (does not significantly impair the economic recovery of the oil and gas resources of the lease as a whole)
- Analyze the technical feasibility of moving the well location
- Analyze the adequacy of less stringent measures for protecting the resource

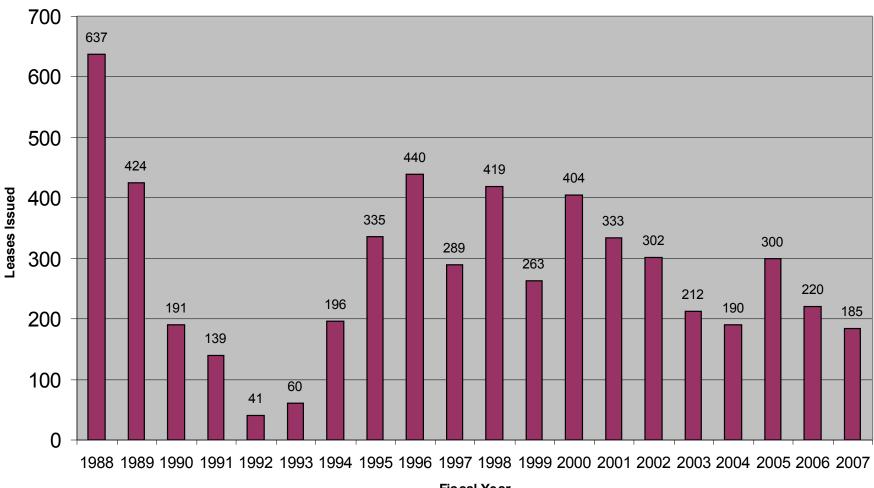
Example Conditions of Approval (Big Game Winter Range)

- Gate and sign roads
- Exploration, drilling and other development only from April 16 to November 30
- All non-emergency work over operations shall only occur from April 16 to November 30
- Minimize site visits to personnel needed to monitor well operations

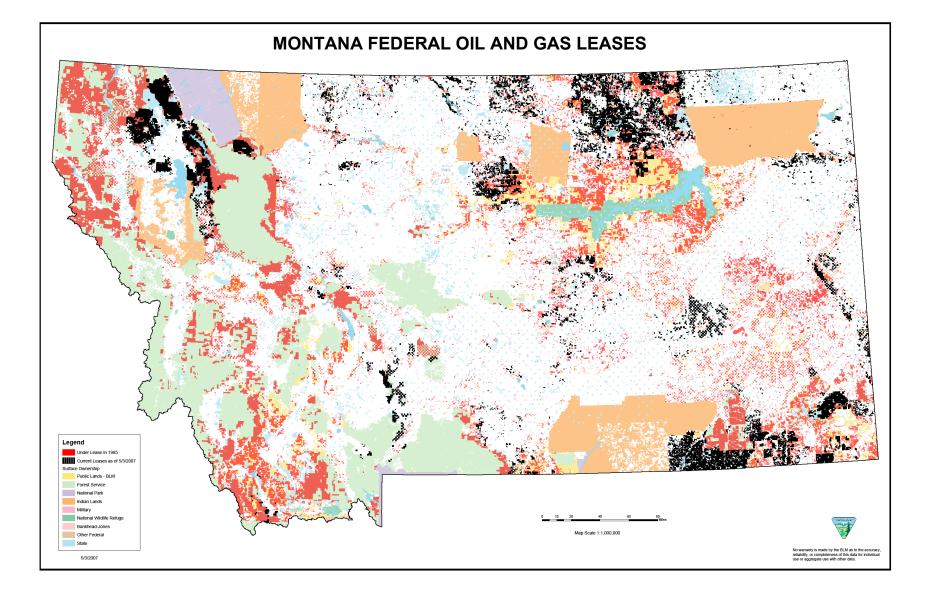
Example Conditions of Approval (Big Game Winter Range)

- Reclamation will include hand planting of seedling browse plants and use of seedling protectors
- Avoidance areas within corridors
- Off-site mitigation
- Yearly meetings to coordinate drilling plans and related activities for new wells

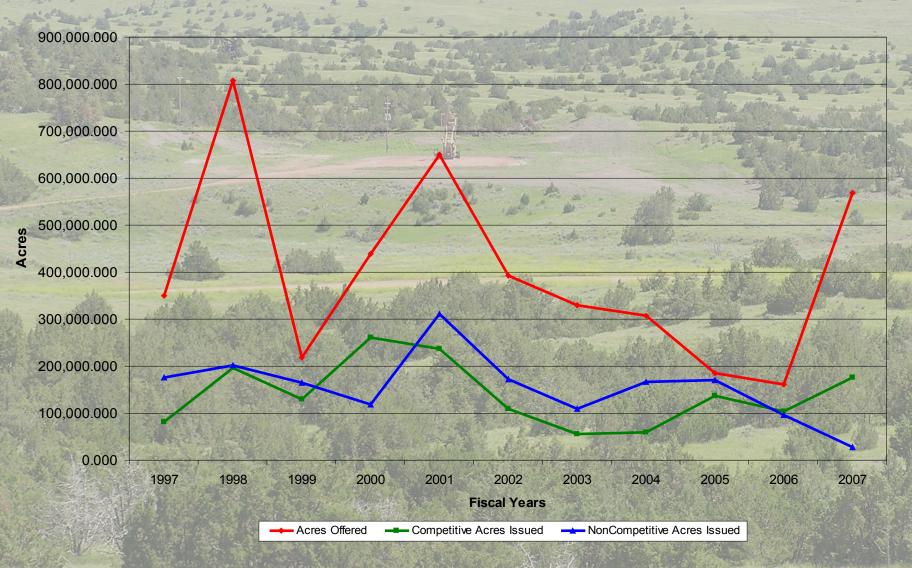
#### Federal Leases Issued in Montana



**Fiscal Year** 

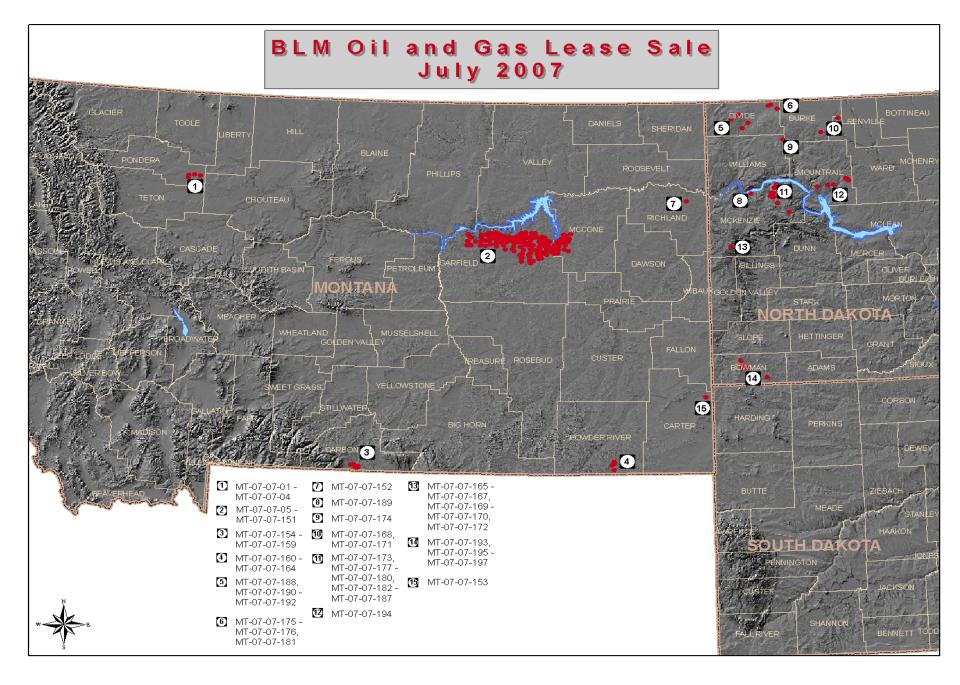


#### Leasing Activity in Montana (Acres)



#### LEASING ACTIVITY IN MONTANA Fiscal Years 1997 to Present

FISCAL YEAR (October 1 thru September 30)	NEW LEASES ISSUED	NUMBER OF LEASES IN EFFECT DURING FY RECEIVING NEW FIRST PRODUCTION (650) ACTION CODE	LEASES IN EFFECT AT CLOSE OF THE FISCAL YEAR
1997	289	14	5259
1998	419	24	5464
1999	263	8	4878
2000	404	8	4823
2001	333	14	5110
2002	302	16	5456
2003	212	18	5559
2004	190	19	5181
2005	300	13	5342
2006	220	13	5492
2007	159	8	5576

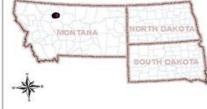


024	019	020	021	022	023	024	019	020	021	022	023
025	030	029		80N 10E	026	025	030		028 0280N 80020E	027	026
036	031	032	033	034	035	036	031	032	033	034	035
001	006	005	014 MT-	07-07-01 003	002		006	005	004	003	002
012	007	008	009	010	011		<b>T-07-07-01</b> 007	008		MT-07-07-0	04 011
013	MT-07 018	-07-02 017	016	015	014	013	018	017	016	L	014
	70N 10W		T02 R00						0270N 20020E		
024	019	020	021	022	023	024	019	020	MI-	07-07-04 022	023
025	MT-07-07-	029	MT-07-07-01	027	026	025	030	029	028	027	026
036	031	032	033	034	035 <	036	031	032	033	034	035
001	006	005	004	003	002	001	006	005	004	003	002
	60N 10W		T02 R00	60N 10E		0			0260N 20020E		
012	007 🛛	008	009	010	011	012	007	008	009	010	011
013	018	017	016	015	014	013	018	017	016	015	014

MT-07-07-01 MT-07-07-02 MT-07-07-03 MT-07-07-04

#### Legend

Bankhead-Jones Land Use Lands Bureau of Land Management (BLM) Bureau of Reclamation Indian Reservation (IR) Military Res./Corps of Engineers National Grasslands National Park Service (NPS) Other Private State State State, County, City Recreation Areas US Fish and Wildlife USDA Forest Service (USFS) Water





ど Done

🥶 Unknown Zone (Mixed) 👘

