



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

**EASTERN STATES
7450 Boston Boulevard
Springfield, Virginia 22153
www.blm.gov/es/**



NOTICE OF COMPETITIVE LEASE SALE OIL AND GAS

Notice is hereby given that on December 16, 1999, the U.S. Department of the Interior, Bureau of Land Management, Eastern States, will offer for competitive sale, pursuant to 43 CFR Part 3120 and procedures herein, certain Federal lands for oil and gas leasing.

LOCATION: The sale will be held in the Conference Room at Eastern States, 7450 Boston Boulevard, Springfield, Virginia 22153. You must be present to bid. A list of local hotels and directions to Eastern States is included in this package.

TIME: The competitive oral auction will begin at 10:00 a.m. Eastern Time, December 16, 1999. The sale room will be open to the public one hour prior to the time indicated above, to allow time to obtain a bidding number from authorized Bureau personnel.

REGISTRATION AND BIDDING NUMBERS: Bidders will be required to obtain a bidding number prior to making any bid. Registration of bidders is required. Registration will begin at 9:00 a.m. and will conclude at 10:00 a.m., December 16, 1999.

Parcels are identified as follows:

**ES-001 thru ES-001 Arkansas
ES-002 thru ES-002 Florida
ES-003 thru ES-003 Louisiana
ES-004 thru ES-005 Michigan
ES-006 thru ES-009 Mississippi
ES-010 thru ES-012 Virginia
ES-013 thru ES-033 West Virginia**

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PRESALE LEASE OFFERS: Please note that any parcels marked with an asterisk (*) will be issued to the applicant who has offered to lease the lands noncompetitively if no competitive bid is received. *Priority of presale offers received shall be determined as of the time and date the offer is filed in the proper BLM State Office.* Additional noncompetitive offers may be filed on such lands following the oral auction, such offers will not have priority over those filed prior to the posting of this Notice of Competitive Lease Sale.

TERMS OF LEASE: Leases awarded as a result of this oral auction will be for a primary term of 10 years, and so long thereafter as there is production in paying quantities. The royalty will be at a flat rate of 12½ percent of the value or the amount of production removed or sold from the lease. Other terms of the lease are specified on the standard lease (Form 3100-11, October 1992 edition).

OTHER CONDITIONS: Specific surface use stipulations, where applicable, are specified for each parcel in this Notice of Competitive Lease Sale. Such stipulations shall become part of the lease and shall supersede any inconsistent provisions of the lease form. General surface use requirements are contained in law and regulation. The applicable stipulation(s) is indicated in the description of the parcel. All Forest Service parcels may be subject to Lease Notice 3 and/or 4.

MINIMUM BID: The minimum acceptable bonus bid will be the lump sum equivalent of \$2 per acre or fraction thereof.

METHOD OF BIDDING: All bids shall be made orally and be based on a per-acre basis for the entire acreage in the parcel and not on the total bid amount. The bid must be rounded up to the next whole acre if fractional acreage is involved, e.g., a parcel of 644.38 acres will require a minimum bid of at least \$1,290 (\$2 X 645 acres) to open the bidding process.

FRACTIONAL INTERESTS: For some of the parcels, as indicated in the list, the United States holds less than 100% of the oil and gas rights. Any lease issued will be only for the percentages or fractions indicated. However, bonus bids and rentals for such parcels shall be based on the gross acreage in the parcel, not the net U.S. interest. Acreage chargeability and production royalty are, in contrast, calculated on the net U.S. interest.

ORDER OF SALE: Parcels will be offered for oral bid in the order indicated in this Notice.

RIGHT TO WITHDRAW PARCELS FROM SALE: The Bureau of Land Management (BLM) reserves the right to withdraw any or all of the parcels from sale prior to or at the oral auction. In the event of cancellation of the sale, every effort will be made to give appropriate

notice to all interested parties. If and when any individual parcels are withdrawn, notice thereof will be posted in the public room at 7450 Boston Boulevard, Springfield, Virginia 22153. You may also obtain the numbers of withdrawn parcels by telephoning (703) 440-1601 or (703) 440-1602 from 8:00 a.m. to 4:30 p.m., Monday through Friday, except Federal Holidays.

DETERMINATION OF WINNING BID: A winning bid will be the highest oral bid, equal to or exceeding the national minimum acceptable bid specified above. The decision of the auctioneer shall be final.

PAYMENT OF BONUS BID, RENTAL AND ADMINISTRATIVE FEE: Winning bidders shall be required to make payment for the parcel on the day of the oral auction for a total amount consisting of: (1) a bonus bid deposit of at least \$2 per acre or fraction thereof; (2) the total amount of the first year's annual rental, at a rate of \$1.50 per acre or fraction thereof; and (3) an administrative fee of \$75 per parcel. This amount must be tendered at the auction after the close of the oral auction. The entire amount due may be paid at this time. Any unpaid balance of the bonus bid must be received at the Eastern States Office by the tenth working day following the close of the oral auction, which is December 30, 1999 or all monies held by BLM and the right to issuance of the lease shall be forfeited. Any entity who forfeits the right of issuance of a lease (failure to submit the remaining monies due) on three occasions is prohibited from bidding at any future sale under the jurisdiction of Eastern States. Any parcel so forfeited may be reoffered by BLM competitively at a later oral auction. Successful bidders for the future interest parcels are subject to these same conditions except (2) above in that no rental or royalty shall be due to the United States prior to the vesting of the oil and gas rights in the United States.

FORM OF PAYMENT: Payment shall be made by personal check, certified check, money order (SUCH FORMS OF PAYMENT MUST BE MADE PAYABLE TO THE DEPARTMENT OF THE INTERIOR-BLM) or by CREDIT CARD (VISA OR MASTERCARD ACCEPTED ONLY). Payment by cash will NOT be accepted.

BID FORM REQUIRED; AVAILABILITY: Pursuant to 43 CFR 3120.5, successful high bidders will be required to submit, along with the required payments for each parcel on the day of the oral auction of such parcel a properly signed current competitive lease bid form (Form 3000-2, May 1994 edition), which is a legally binding offer by the prospective lessee to accept a lease to the terms and conditions specified herein for the parcel and on the standard lease form (Form 3100-11, October 1992 edition). Form 3000-2 may be obtained and executed by the prospective lessee or an authorized representative PRIOR to the oral auction. If the bid form is fully completed before the oral auction, it cannot be modified; portions of the form may be left blank to be completed by the bidder at the auction. If the bid form is not executed prior to the oral auction, the prospective lessee shall be required to

complete and sign the bid form at the auction when the payment is tendered. Form 3000-2, when completed, certifies compliance with lessee qualifications (See 43 CFR 3102.5-2) and also certifies compliance with 18 U.S.C. 1860, which prohibits unlawful combination or intimidation of bidders and certifies that the bid was arrived at independently without unlawful collusion.

AWARD/ISSUANCE OF LEASES: Prospective lessees are advised that leases may be issued, upon signature by the authorized officer, without further action on their part, once all remaining bonus bid monies are timely received. The effective date of the lease shall be the first day of the month following the execution of the lease form by the authorized officer, except that leases may, upon written request from the lessee received prior to signature on the lease by the authorized officer, be effective the first day of the month in which issued.

UNSOLD PARCELS: Parcels contained in this Notice of Competitive Lease Sale for which no bids are received at the oral auction and which have not been withdrawn from the sale by BLM will be available for regular noncompetitive lease offer in accordance with 43 CFR Subpart 3110 for a two-year period commencing at 8:00 a.m., December 17, 1999.

All noncompetitive offers received on that first business day following the auction will be considered simultaneously filed. Offers received thereafter shall receive priority as of the date and time of filing, as specified in 43 CFR 1821.2-3(a). If any lands in the parcel are subject to a proper offer such offers shall have priority for issuance of a lease on the affected lands over any offers filed subsequent to the oral auction. Noncompetitive offers filed on the first business day following the close of the oral auction or during the remainder of that month must describe the lands, as set forth at 43 CFR 3110.5-1, solely by the single parcel number appearing in this Notice of Competitive Lease Sale. Any such offer constitutes consent by the offeror to the terms and conditions, including stipulations, set out for the parcel in this Notice of Competitive Lease Sale. Offerors submitting a lease form not currently in use are deemed to consent to the terms and conditions, including but not limited to rentals and royalties, of the current lease form. Leases may be issued to an offeror without further notice. All noncompetitive offers must be accompanied by the total of (1) the \$75 nonrefundable filing fee and (2) the first-year advance rental of \$1.50 per acre or fraction thereof as indicated in the list herein. All filing fees are nonrefundable, whether or not a lease is ultimately issued to the offeror or any other party.

BLM personnel will be accepting noncompetitive offers on unsold parcels in the accounting office at Eastern States on December 16, 1999, until 4:30 p.m.

All noncompetitive offers filed on December 16, 1999 will be considered simultaneously filed and have a filing date of December 17, 1999.

PUBLIC NOTICE

Generally, for lands to be considered for inclusion in a sale, the expression of interest or presale offer must be received 6 months to one year prior to a sale date. We may not be able to parcel blanket requests for inclusion in one sale. Please, prioritize large requests so we can better meet your needs. The following is a tentative schedule of sale dates for the 2000 calendar year:

March 23, 2000

June 22, 2000

September 21, 2000

December 21, 2000

Bidders are reminded that a bid shall not be withdrawn and shall constitute a legally binding commitment to execute the lease bid form and accept a lease, including the obligation to pay the bonus bid, first year's rental, and administrative fee. There have been cases in past oral auctions where the minimum deposit due from the high bidder on the day of the auction was not paid, or was paid by a check drawn on an account with insufficient funds. The Bureau of Land Management will be closely monitoring situations of this nature to determine whether further measures should be initiated to protect the integrity of the system.

NOTE: SHOULD ASSISTANCE BE NEEDED FOR THE HEARING OR VISUALLY IMPAIRED, PLEASE CONTACT EASTERN STATES AT (703) 440-1546 BY NOVEMBER 16, 1999. THE SALE SITE IS ACCESSIBLE TO EVERYONE.



**United States
Department of the Interior**

BUREAU OF LAND MANAGEMENT



**EASTERN STATES
7450 Boston Boulevard
Springfield, Virginia 22153**

NOTICE TO LESSEE

Provisions of the Mineral Leasing Act (MLA) of 1920, as amended by the Federal Coal Leasing Amendments Act of 1976, affect an entity's qualifications to obtain an oil and gas lease. Section 2(a)(2)(A) of the MLA, 30 U.S.C. 201(a)(2)(A), requires that any entity that holds and has held a Federal coal lease for 10 years beginning on or after August 4, 1976, and who is not producing coal in commercial quantities from each such lease, cannot qualify for the issuance of any other mineral lease granted under the MLA. Compliance by coal lessees with Section 2(a)(2)(A) is explained in 43 CFR 3472.

In accordance with the terms of this oil and gas lease with respect to compliance by the initial lessee with qualifications concerning Federal coal lease holdings, all assignees and transferees are hereby notified that this oil and gas lease is subject to cancellation if: (1) the initial lessee as assignor or as transferor has falsely certified compliance with Section 2(a)(2)(A), or (2) because of a denial or disapproval by a State Office of a pending coal action, i.e., arms-length assignment, relinquishment, or logical mining unit, the initial lessee as assignor or as transferor is no longer in compliance with Section 2(a)(2)(A). The assignee, sublessee, or transferee does not qualify as a bona fide purchaser and, thus, has no rights to bona fide purchaser protection in the event of cancellation of this lease due to noncompliance with Section 2(a)(2)(A).

Information regarding assignor, sublessor, or transferor compliance with Section 2(a)(2)(A) is contained in the lease case file as well as in other Bureau of Land Management records available through the State Office issuing this lease.

HOTEL INFORMATION

**Springfield Hilton
6550 Loisdale Court
Springfield, Virginia
(703) 971-8900**

**Holiday Inn
6401 Brandon Avenue
Springfield, Virginia
(703) 644-5555**

**Best Western
6550 Loisdale Court
Springfield, Virginia
(703) 922-9000**

**Days Inn
6721 Commerce Street
Springfield, Virginia
(703) 922-6100**

**Ramada Plaza Hotel
4641 Kenmore Avenue
Alexandria, Virginia
(703) 751-4510**

Hotel shuttle to National Airport and Metro Subway

**PLEASE COMPLETE ONE FORM FOR EACH COMPANY AND/OR
INDIVIDUAL YOU ARE REPRESENTING AND BRING TO THE SALE
LOCATION TO SPEED PROCESSING OF REGISTRATION**

REGISTRATION FORM

BIDDER NO. _____
(Leave Blank)

NAME: _____

BUSINESS PHONE: _____

BUSINESS ADDRESS: _____

CITY: _____

STATE: _____ **ZIP CODE:** _____

**THE LESSEE MUST BE QUALIFIED TO HOLD
A FEDERAL OIL AND GAS LEASE.**

SIGNATURE

DATE

**A COPY OF THE LEASE AND ALL BILLING NOTICES WILL BE SENT TO THE NAME
AND ADDRESS OF THE LESSEE AS SHOWN ON FORM 3000-2 (BID FORM).**

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ES-001-12/99 ARES 50518 ACQ

Arkansas, Logan County, COE

T6N, R27W, 5th Principal Meridian

Sec. 34, A portion of Tract No. BM-228, described as that part of the SESENE lyig south of the
railroad right-of-way.

7.260 Acres

\$12.00 Rental

Subject to BLM No Surface or Subsurface Occupancy Stipulation. Should a waiver to the No
Surface/Subsurface Occupancy Stipulation be granted, this lease shall be subject to Corps of Engineers
Stipulations

**BLM NO SURFACE OR SUB-SURFACE
OCCUPANCY STIPULATION**

No Occupancy (surface or sub-surface) is allowed on the lands described below unless application by
letter for a waiver (as defined below) is made that demonstrates that surface or sub-surface occupancy on
the leasehold is necessary to produce the lease, consent is given by the Surface Management Agency, if
applicable, and subsequent planning analysis/environmental assessment (PA/EA) shows that surface or sub-
surface occupancy, as requested, would not result in unacceptable adverse impacts to the environment, as
determined by the Authorized Officer.

Waiver: A waiver from this lease stipulation may be granted for all or portion of this lease. Prior to granting
any waiver, a PA/EA documentation must be completed for the entire lease based on a Reasonably
Foreseeable Development Scenario (RFDS). The analysis must consider past, present, and reasonable
foreseeable impacts on the lease and adjacent areas. With the consent of the Surface Management
Agency, if applicable, a waiver of the stipulation may be granted for those portions of the lease identified
as not containing sensitive or important historic, cultural, and scenic values, fish or wildlife resources or their
habitat or other important or sensitive natural systems, processes or human values.

Exception: None.

Modification: None.

LEASE NOTICE

This lease does not obviate the need to obtain other Federal, State, or local authorization required by
law.

CORPS OF ENGINEERS STIPULATIONS

The following terms and conditions are deemed necessary:

1. That all rights under the lease are subordinate to the rights of the United States to flood and submerge the lands, permanently or intermittently, in connection with the operation and maintenance of projects under the jurisdiction of the Corps of Engineers.
2. That the United States shall not be responsible for damages to property or injuries to persons which may arise from or be incident to the use and operation of the said premises, or for damages to the property of the lessee, or for injuries to the person of the lessee (if an individual), or for damages to the property or injuries to the person of the lessee's officers, agents, servants, or employees or others who may be on said premises at their invitation or the invitation of any one of them, arising from or incident to the flooding of the said premises by the Government or flooding from any other cause, or arising from or incident to any other Governmental activities, and the lessee shall hold the United States harmless from any and all such claims.
3. That the work performed by the lessee on the lands shall be under the general supervision of the District Engineer, Little Rock District, Corps of Engineers, Little Rock, Arkansas, and subject to such conditions and regulations as may be prescribed by him, and the plans and location for all structures, appurtenances thereto, and work on said lands shall be submitted to the said District Engineer for approval in advance of commencement of any work on said lands. The District Engineer, or his authorized representative, shall have the right to enter on the premises at any time to inspect both the installation and operational activities of the lessee.
4. That no structure or appurtenances thereto shall be of a material or construction determined to create floatable debris.
5. That, in conducting activities on the leased property, the lessee shall comply with all State, Federal, and local laws and codes in regard to air pollution and solid waste disposal.
6. That the lessee shall not encroach upon nor interfere with any areas dedicated to public use activities on the project. The lessee's operations shall not be permitted to create a nuisance to, or to produce detrimental effects on, the public use areas or the activities of the public and of the concessionaires thereon by reason of the proximity of any structures or installations of the lessees to such public use areas.

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

8. That, if portions of the lands involved in this lease are situated below the top of the flood control pool or navigation pool, lessee should provide for capping of open well holes and securing of all appurtenances during periods of inundation.

9. That it is understood and agreed that the lessee will perform restoration of any areas damaged by drilling operations to the satisfaction of the District Engineer or his authorized representative.

10. That the project Resident Engineer/Manager shall be notified of the location and date of any drilling to be performed. The final approval on the location and alignment of any access roads into the lease area must be granted by the District Engineer or his authorized representative.

11. That no drilling or any other exploration or development activities will be permitted within the limits of a developed or future park or the Corps of Engineers administrative office area. If roads within a park area are used by lessee for ingress to or egress from the leased area, said roads shall be maintained and repaired by lessee to the satisfaction of the Resident Engineer/Manager. All areas within 2,000 feet of any major structure, including but not limited to the dam, spillway, or embankment, are restricted areas. The lessee, his operators, agents, or employees shall not utilize the surface of restricted areas for any purpose. Drilling operations in, on, or under the restricted areas, including drilling outside of the restricted areas which would cause a bore hole to be under the restricted areas, will not be permitted. The restricted areas are included in the lease for the sole purpose of becoming a part of a drilling unit, so that the United States will share in the royalty of the unit.

12. That, if during lease operations, lessee plans to construct any structure or place any fill material below the ordinary high water mark elevation, a Section 10 and/or Section 404 Department of the Army permit must be obtained from the District Engineer before the work is commenced.

13. Platform drilling over water areas is prohibited.

14. The Resident Engineer/Manager and District Engineer or his authorized representative will be notified in writing before any equipment is moved onto a drill location and before any clearing or site

preparation is begun. The exact location of all proposed drill locations will be made known to the District Engineer or his authorized representative 30 days before the site is disturbed in any way.

15. That the lessee agrees to pay the Government or tenant of the Government, as the case may be, for damages or injury to livestock, crops, forage, trees, pipelines, buildings, or other real property or improvements belonging to either the Government or said tenant on the leased land.

16. A site preparation and vegetation removal plan must be submitted to the District Engineer for approval 15 days prior to moving onto the site. The numbers, locations, size, and species of trees to be removed for access roads and work areas must be shown. Method of disposal of vegetation must be approved. Size of sumps and a general equipment layout must be shown. A description of the methods to be used during site preparation and sump or pond construction to minimize or eliminate turbidity in the lake caused by runoff from the construction site will be included.

17. Sump or pond size and construction will be adequate to contain all drill cutting, drilling mud, and other debris from the drilling operation. Dikes will be constructed so as to preclude breaching during heavy inflows from torrential rains or other sources.

18. If internal combustion engines are used, such as diesel generators, light planes, trucks, etc., they will be equipped with proper mufflers at all times, and waste products from their operation, such as used oil from oil changes and filters, will be disposed of properly as required by State and Federal Laws.

19. The roads leading to the drill site must be maintained in a usable manner during the drilling and production operations. All roads used by the lessee must be returned to a condition at least as good as they were prior to use by the lessee when drilling or production is terminated. The lessee is required to submit a plan to the Resident Engineer/Manager showing any road improvements it intends to make prior to making such improvements.

20. Any waste water from the drilling operation will meet Arkansas Pollution Control and Ecology requirements on water quality before it is discharged into the lake.

21. If 5 acres or more of ground are disturbed, the contractor shall obtain and comply with all requirements of the National Pollution Discharge Elimination System (NPDES) storm water permits for construction activities.

22. The route for any pipeline or collection system must be submitted to the District Engineer for approval 60 days before any work begins. Any structure or piping system remaining at the site upon completion of drilling must have the approval of the District Engineer.

23. Water for the drilling operation shall not be taken from project sources without District approval of the Lessee's written request.

24. Trees shall not be cut without prior approval from the Resident Engineer/Manager, and trees shall be protected from damage during construction.

25. After the drilling operation is completed, all equipment and debris, such as old cable, cans, steel plates, etc. must be removed from the site and the ground restored to its approximate original contour. Drill cuttings, drill mud, and other wastes will be disposed of off Government property and all ponds, slush pits, and similar facilities will be filled, leveled, and otherwise restored as closely as possible to the original condition of the property.

26. In the event the location is abandoned for any reason or the drilling activity results in a non-producer, the well site shall be restored to its approximate original contour within six (6) months after the abandonment. The roadway route shall be restored to its original contour as directed by the Resident Engineer/Manager. All nonproductive wells will be plugged with cement in a manner approved by the Arkansas Oil and Gas Commission.

27. Garbage and trash shall not be buried on the construction site. It shall be placed in covered containers and taken off the project to an approved landfill at no expense to the Government. The area on and around the drilling site shall be free of garbage and trash at all times.

28. If the well is successful, the drilling pad shall be reduced to 2500 square feet in area and the remainder shall be restored within six (6) months to blend in with the natural terrain.

29. All disturbed areas will be restored by seeding with an adaptive ground cover, and planting trees and flowering shrubs native to the area, as required by the District Engineer. Restoration is to include a placement of sufficient topsoil to maintain vegetation. The topsoil area shall be restored to vegetation by the application of 300 pounds per acre of commercial 10-20-10 fertilizer, seeding, and planting of grass and trees.

<u>Seeding:</u>	Rates and types are as follows:
	Bermuda 3 pounds per acre
	Rye 15 pounds per acre

The seed will be protected by mulching or other satisfactory methods until a vegetative cover is established.

Trees: A minimum of six (6) trees per drilling site are to be planted, as directed by Resident Engineer/Manager. Survival rate of 100% for the first twelve (12) months is required.

30. That within the limits of their respective legal powers, the parties hereto shall protect the premises against pollution of its air, ground and water. The lessee shall comply with any laws, regulations, conditions, or instructions affecting the activity hereby authorized if and when issued by the

Environmental Protection Agency, and/or any Federal, state, interstate or local governmental agency having jurisdiction to abate or prevent pollution. The disposal of any toxic or hazardous materials within the premises is specifically prohibited. . Such regulations, conditions, or instructions in effect or prescribed by the said Environmental Protection Agency, or any Federal, state, interstate or local governmental agency are hereby made a condition of this lease. The grantee shall not discharge waste or effluent from the premises in such a manner that the discharge will contaminate streams or other bodies of water or otherwise become a public nuisance.

31. All wells on Government-owned land must be marked with a sign stating the well name and/or number and name, address, and telephone number of the lessee.

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

33. A copy of the pre-lease site-specific Supplement to the Southern States Regional Oil and Gas EAR No. 61-923-5-30, the Protective Stipulations, and a signed copy of the Finding of No Significant Impact (FONSI), prepared for the Bureau of Land Management(BLM), should be furnished to the District Engineer, U.S. Army Engineer District, Little Rock, Arkansas.

In addition, this area is currently licensed to the Arkansas Game & Fish Commission for management purposes. Lessees should check with them prior to any drilling.

A MAP OF THIS PARCEL WILL BE AVAILABLE AT THE SALE SITE.

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ES-002-12/99 FLES 50519 ACQ

Florida, Okaloosa County, Eglin AFB

T2N, R24W, Tallahasee Meridian

Sec. 8, All within the boundaries of Eglin AFB (72.20 ac.);

Sec. 16, All within the boundaries of Eglin AFB (588.89 ac.);

Sec. 17, All within the boundaries of Eglin AFB (569.30 ac.);

Sec. 18, All within the boundaries of Eglin AFB (172.00 ac.);

Sec. 19, All within the boundaries of Eglin AFB (615.28 ac.).

2,017.670 Acres

\$3,027.00 Rental

Subject to BLM No Surface or Sub-Surface Occupancy Stipulation

NO SURFACE OR SUB-SURFACE OCCUPANCY STIPULATION

No Occupancy (surface or sub-surface) is allowed on the lands described below unless application by letter for a waiver (as defined below) is made that demonstrates that surface or sub-surface occupancy on the leasehold is necessary to produce the lease, consent is given by the Surface Management Agency, if applicable, and subsequent planning analysis/environmental assessment (PA/EA) shows that surface or sub-surface occupancy, as requested, would not result in unacceptable adverse impacts to the environment, as determined by the Authorized Officer.

Waiver: A waiver from this lease stipulation may be granted for all or portion of this lease. Prior to granting any waiver, a PA/EA documentation must be completed for the entire lease based on a Reasonably Foreseeable Development Scenario (RFDS). The analysis must consider past, present, and reasonable foreseeable impacts on the lease and adjacent areas. With the consent of the Surface Management Agency, if applicable, a waiver of the stipulation may be granted for those portions of the lease identified as not containing sensitive or important historic, cultural, and scenic values, fish or wildlife resources or their habitat or other important or sensitive natural systems, processes or human values.

Exception: None.

Modification: None.

LEASE NOTICE

This lease does not obviate the need to obtain other Federal, State, or local authorization required by law.

ES-003-12/99 LAES 50520 PD

Louisiana, Webster Parish, BLM
T17N, R10W, Louisiana Meridian
Sec. 20, SENE, N2SW, N2SE.

199.750 Acres

\$300.00 Rental

Subject to BLM No Surface or Sub-Surface Occupancy Stipulation

NO SURFACE OR SUB-SURFACE OCCUPANCY STIPULATION

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Exception: None.

Modification: None.

LEASE NOTICE

This lease does not obviate the need to obtain other Federal, State, or local authorization required by law.

ES-004-12/99 MIES 50521 ACQ

Michigan, Crawford County, Michigan DNR

T25N, R1W, Michigan Meridian

Sec. 7, E2NE, E2NW, E2SW, NESE.

280.000 Acres

\$420.00 Rental

No surface occupancy is permitted due to the presence of natural resources and recreational uses which may conflict with surface disturbing activities on the leased acreage. No waivers, exceptions or modifications of this lease stipulation will be granted.

ES-005-12/99 MIES 50522 ACQ *MIES 49950

Michigan, Kalkaska County, Michigan DNR

T27N, R8W, Michigan Meridian

Sec. 4, NE, E2NW.

240.000 Acres

\$360.00 Rental

Subject to the following Lease Notice and Resource Protection Stipulation

LEASE NOTICE

A cultural resource survey may be required for all areas proposed for surface disturbance at the time an Application for Permit to Drill / Notice of Staking is filed. A cultural resource survey may also be required prior to the start of subsequent well operations which involve surface disturbance. The lessee must contact the authorized officer of the Bureau of Land Management to determine the extent and type of survey required. Mitigation measures or relocation of the proposed activity may be necessary to avoid disturbance of cultural sites. The need for mitigation or relocation will be based on consultation between the Bureau of Land Management and the State Historic Preservation Officer.

SPECIAL RESOURCE PROTECTION STIPULATION

1. No surface occupancy is permitted within 200 feet of any building.

Exception: At the time an Application for Permit to Drill is filed, the Bureau of Land Management (BLM) may grant an exception to this stipulation if the lessee can demonstrate to BLM's satisfaction that oil and gas operations will not cause unacceptable visual and noise impacts to occupants of the building or cause structural damage to, or restrict normal use of, the building.

2. No well pad or above-ground production facility is permitted within 200 feet of any county/township road or State highway.

Exception: At the time an Application for Permit to Drill is filed, the Bureau of Land Management (BLM) may grant an exception to this stipulation if the lessee can demonstrate to BLM's satisfaction that oil and gas operations will not cause unacceptable visual and noise impacts to road and highway users or cause structural damage to, or restrict the normal use of, the road or highway.

3. No surface occupancy is permitted on slopes of 15 percent or greater.

Exception: At the time an Application for Permit to Drill is filed, the Bureau of Land Management (BLM) may grant an exception to this stipulation if the lessee can demonstrate to BLM's satisfaction that oil and gas operations will not cause unacceptable impacts to soil and site stability.

ES-006-12/99 MSES 50523 ACQ

Mississippi, Wayne County, DeSoto N.F.
T6N, R7W, St. Stephens Meridian
Sec. 32, SWNE;
Sec. 33, SENW, W2SE.
161.100 Acres
\$243.00 Rental
Subject to F.S. Lease Notice No. 3 and 4

ES-007-12/99 MSES 50524 ACQ

Mississippi, Wayne County, DeSoto N.F.
T7N, R8W, St. Stephens Meridian
Sec. 4, SWNE, W2, W2SE.
433.540 Acres
\$652.50 Rental
Subject to F.S. Lease Notice No. 3 and 4

ES-008-12/99 MSES 50525 ACQ

Mississippi, Smith County, Bienville N.F.
T4N, R6E, Choctaw Meridian
Sec. 1, S2NW, W2SE;
Sec. 2, SENE, NWSW, NESESW;
Sec. 3, S2NE;
Sec. 11, N2NWNE, NESE;
Sec. 12, E2SE.
470.910 Acres
\$706.50 Rental
Subject to F.S. Timing Limitation No. 1 and Lease Notice No. 3 and 4

ES-009-12/99 MSES 50526 ACQ

Mississippi, Chickasaw County, Tombigbee N.F.
T12S, R4E, Chickasaw Meridian
Sec. 5, SW, E 20 ac. Of SESE, 7.0 ac. in SE corner of NESE;
Sec. 8, S 2/3 NE*, NW*.
(*50% U.S. Mineral Interest)
453.610 Acres
\$681.00 Rental
Subject to F.S. Lease Notice No. 3 and 4

NATIONAL FORESTS IN MISSISSIPPI

TIMING LIMITATION STIPULATION NO. 1

No surface use is allowed during the following time period(s). This stipulation does not apply to operation and maintenance of production facilities.

Site construction and drilling may be restricted during the wet season from 11/30 thru 3/31 depending on site specific conditions at the time the Application for Permit to Drill is filed.

On the lands described below:

Entire Lease

For the purpose of (reasons):

Prevent excessive soil erosion and rutting resulting from construction activities during the wet season. Land and Resource Management Plan, National Forests in Mississippi, as amended, 9/85.

Any changes to this stipulation will be made in accordance with the land use plan and/or the regulatory provisions for such changes. (For guidance on the use of this stipulation, see BLM Manual 1624 and 3101 or FS Manual 1950 and 2820.)

NATIONAL FORESTS IN MISSISSIPPI

LEASE NOTICE NO. 3

All or part of the leased lands may contain animal or plant species classified under the Endangered Species Act of 1973, as amended. Other species may have been identified as sensitive in accordance with Forest Service Manual 2670 and be listed on the correct Regional Forester's List of Sensitive Plant and Animal Species. Further information concerning the classification of these species may be obtained from the authorized Forest Officer.

Exploration and development proposals may be limited or modifications required if activity is planned within the boundaries of a threatened, endangered or sensitive plant or animal species location as it thence exists. All activities within these areas must be conducted in accordance with existing laws, regulations and the Forest Land and Resource Management Plan guidelines.

LEASE NOTICE NO. 4

All or part of the leased lands may be classified as wetlands in accordance with Executive Order 11990, "Protection of Wetlands" or a floodplain in accordance with Executive Order No. 11988, "Floodplain Management." Further information concerning the classification of these lands may be obtained from the authorized Forest office.

All activities within these areas must be conducted in a manner to minimize adverse impacts to the resource values and in accordance with the Forest Land and Resource Management Plan guidelines.

**STIPULATION FOR LANDS OF THE NATIONAL FOREST SYSTEM
UNDER JURISDICTION OF DEPARTMENT OF AGRICULTURE**

The licensee/permittee/lessee must comply with all the rules and regulations of the Secretary of Agriculture set forth at Title 36, Chapter II, of the Code of Federal Regulations governing the use and management of the National Forest System (NFS) when not inconsistent with the rights granted by the Secretary of the Interior in the license/prospecting permit/lease. The Secretary of Agriculture's rules and regulations must be complied with for (1) all use and occupancy of the NFS prior to approval of a permit/operation plan by the Secretary of the Interior, (2) uses of all existing improvements, such as Forest development roads, within and outside the area licensed, permitted or leased by the Secretary of the Interior, and (3) use and occupancy of the NFS not authorized by a permit/operating plan approved by the Secretary of the Interior.

All matters related to this stipulation are to be addressed to:

Forest Supervisor, NFs in Mississippi
100 W. Capitol Street, Suite 1141
Jackson, MS 39269
Telephone No.: (601) 965-4391

who is the authorized representative of the Secretary of Agriculture.

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BLM Field Office

Bureau of Land Management
Jackson Field Office
411 Briarwood Drive, Suite 404
Jackson, Mississippi 39206

Surface Management Agency

USDA, Forest Service - Region 8
Room 792 South, Lands & Minerals
1720 Peachtree Road, N.W.
Atlanta, Georgia 30367

ES-010-12/99 VAES 50527 ACQ *VAES 50516

Virginia, Dickenson County, Jefferson N.F.

Parcel No. 1: That tract of land located on the south side of Pine Mountain in Dickenson County, Virginia, being a part of that land conveyed to the United States of America from the Clinchfield Coal Corporation by deed dated December 30, 1940 and recorded December 31, 1940 in Deed Book 76, page 215 at the Circuit Court Clerk's Office of Dickenson County, Virginia. The boundary described as follows:

Beginning at CORNER 1, being corner 1 of U.S.A. Tract 550. Thence with various owners along the southern boundary of Tract 550 the following courses:

- S 72° 14' W, 40.75 chains to CORNER 2, being corner 2 of Tract 550.
- S 83° 06' W, 0.72 chain to CORNER 3, being corner 3 of Tract 550.
- S 19° 39' E, 6.48 chains to CORNER 4, being corner 4 of Tract 550.
- S 32° 43' E, 41.66 chains to CORNER 5, being corner 5 of Tract 550.
- N 56° 42' E, 10.48 chains to CORNER 6, being corner 6 of Tract 550.
- S 07° 14' E, 31.53 chains to CORNER 7, being corner 7 of Tract 550.
- N 85° 46' W, 3.41 chains to CORNER 8, being corner 8 of Tract 550.
- N 57° 33' W, 8.68 chains to CORNER 9, being corner 9 of Tract 550.
- S 56° 32' W, 15.03 chains to CORNER 10, being corner 10 of Tract 550.
- N 83° 19' W, 4.52 chains to CORNER 11, being corner 11 of Tract 550.
- S 61° 20' W, 20.93 chains to CORNER 12, being corner 12 of Tract 550.
- S 31° 56' W, 6.18 chains to CORNER 13, being corner 13 of Tract 550.
- S 36° 43' W, 12.13 chains to CORNER 14, being corner 14 of Tract 550.
- S 74° 29' W, 3.87 chains to CORNER 15, being corner 15 of Tract 550.
- N 13° 42' E, 1.27 chains to CORNER 16, being corner 16 of Tract 550.
- N 07° 34' W, 14.44 chains to CORNER 17, being corner 17 of Tract 550.
- N 43° 27' E, 3.69 chains to CORNER 18, being corner 18 of Tract 550.
- N 02° 30' E, 2.10 chains to CORNER 19, being corner 19 of Tract 550.
- S 77° 14' E, 4.25 chains to CORNER 20, being corner 20 of Tract 550.
- N 25° 02' W, 7.38 chains to CORNER 21, being corner 21 of Tract 550.
- N 19° 35' W, 22.69 chains to CORNER 22, being corner 22 of Tract 550.
- N 86° 07' W, 40.54 chains to CORNER 23, being corner 23 of Tract 550.
- N 12° 59' W, 4.78 chains to CORNER 24, being corner 24 of Tract 550.
- S 46° 39' W, 50.24 chains to CORNER 25, being corner 25 of Tract 550.
- S 45° 05' W, 32.54 chains to CORNER 26, being corner 26 of Tract 550.
- S 84° 41' W, 19.17 chains to CORNER 27, being corner 27 of Tract 550.
- N 55° 23' W, 6.56 chains to CORNER 28, being corner 28 of Tract 550.
- S 57° 49' W, 9.87 chains to CORNER 29, being corner 29 of Tract 550.
- S 00° 47' E, 10.56 chains to CORNER 30, being corner 30 of Tract 550.
- S 26° 49' E, 8.83 chains to CORNER 31, being corner 31 of Tract 550.
- N 54° 29' W, 56.56 chains to CORNER 32, being corner 32 of Tract 550.

Thence leaving the southern boundary of Tract 550, and with a new division thru Tract 550, N 64° 03' 58" E, 487.29 chains to CORNER 33, a point in the line from corner 71 to corner 72 of U.S.A. Tract 550. Said point bears S 20° 14' E, 4.00 chains from corner 71 of Tract 550.

Thence with various owners and the eastern and southern boundaries of Tract 550 the following courses:

S 20° 14' E, 47.51 chains to CORNER 34, being corner 72 of Tract 550.
N 68° 32' E, 28.40 chains to CORNER 35, being corner 73 of Tract 550.
S 17° 45' E, 9.97 chains to CORNER 36, being corner 74 of Tract 550.
S 05° 47' E, 8.01 chains to CORNER 37, being corner 75 of Tract 550.
S 52° 16' E, 4.37 chains to CORNER 38, being corner 76 of Tract 550.
S 12° 07' E, 3.85 chains to CORNER 39, being corner 77 of Tract 550.
S 23° 34' E, 2.41 chains to CORNER 40, being corner 78 of Tract 550.
S 20° 10' E, 4.39 chains to CORNER 41, being corner 79 of Tract 550.
S 18° 17' W, 2.50 chains to CORNER 42, being corner 80 of Tract 550.
S 48° 04' W, 15.17 chains to CORNER 43, being corner 81 of Tract 550.
S 88° 55' W, 9.57 chains to CORNER 44, being corner 82 of Tract 550.
N 14° 33' W, 5.65 chains to CORNER 45, being corner 83 of Tract 550.
N 41° 45' W, 8.59 chains to CORNER 46, being corner 84 of Tract 550.
N 38° 56' W, 7.44 chains to CORNER 47, being corner 85 of Tract 550.
N 30° 40' W, 7.28 chains to CORNER 48, being corner 86 of Tract 550.
N 36° 33' W, 3.90 chains to CORNER 49, being corner 87 of Tract 550.
S 72° 57' W, 79.42 chains to CORNER 50, being corner 88 of Tract 550.
S 71° 30' E, 1.52 chains to CORNER 51, being corner 89 of Tract 550.
S 06° 43' E, 6.34 chains to CORNER 52, being corner 90 of Tract 550.
S 86° 59' E, 6.26 chains to CORNER 53, being corner 91 of Tract 550.
S 83° 32' E, 15.13 chains to CORNER 54, being corner 92 of Tract 550.
S 46° 49' E, 8.87 chains to CORNER 55, being corner 93 of Tract 550.
S 18° 30' W, 18.31 chains to CORNER 56, being corner 94 of Tract 550.
S 01° 39' W, 28.59 chains to CORNER 57, being corner 95 of Tract 550.
S 14° 19' W, 0.69 chain to CORNER 58, being corner 96 of Tract 550.
S 41° 27' W, 6.30 chains to CORNER 59, being corner 97 of Tract 550.
S 08° 20' W, 7.30 chains to CORNER 60, being corner 98 of Tract 550.
N 80° 13' W, 7.31 chains to CORNER 61, being corner 99 of Tract 550
N 43° 51' W, 11.15 chains to CORNER 62, being corner 100 of Tract 550.
S 41° 59' W, 9.94 chains to CORNER 63, being corner 101 of Tract 550.
S 85° 48' W, 3.44 chains to CORNER 64, being corner 102 of Tract 550.
N 05° 04' W, 10.49 chains to CORNER 65, being corner 103 of Tract 550.
S 85° 25' W, 21.81 chains to CORNER 66, being corner 104 of Tract 550.
S 04° 07' E, 22.18 chains to CORNER 67, being corner 105 of Tract 550 and corner 1 of that tract of

land containing 70.2 acres transferred to the U.S. Army Corps of Engineers.

Thence with the Corps of Engineers tract, S 34° 51' W, 5.84 chains to CORNER 68, being corner 10 of the Corps of Engineers tract and corner 114 of tract 550.

Thence leaving the Corps of Engineers and with various owners along the southern boundary of Tract 550 the following course:

N 56° 43' W, 11.19 chains to CORNER 69, being corner 115 of Tract 550.

N 45° 25' W, 7.53 chains to CORNER 70, being corner 116 of Tract 550.

S 66° 59' W, 4.95 chains to CORNER 71, being corner 117 of Tract 550.

N 81° 37' W, 4.06 chains to CORNER 72, being corner 118 of Tract 550.

S 46° 02' W, 3.39 chains to CORNER 73, being corner 119 of Tract 550.

N 65° 48' W, 16.42 chains to CORNER 74, being corner 120 of Tract 550.

N 37° 00' W, 54.74 chains to CORNER 75, being corner 121 of Tract 550.

S 72° 57' W, 28.47 chains to CORNER 1, the point of beginning, containing 2592.40 acres: less and except 53.0 acres on which all minerals are reserved described more particularly as lying between corner 34 and corner 49.

2,539.400 Acres

\$3,810.00 Rental

Subject to F.S. Lease Notice No. 3 and 4

ES-011-12/99 VAES 50528 ACQ *VAES 50515

Virginia, Dickenson County, Jefferson N.F.

Parcel No. 2: that tract of land located on the south side of Pine Mountain in Dickenson County, Virginia, being a part of that land conveyed to the United States of America from the Clinchfield Coal Corporation by deed dated December 30, 1940 and recorded December 31, 1940 in Deed Book 76, page 215 at the Circuit Court Clerk's Office of Dickenson County, Virginia. The boundary described as follows:

Beginning at CORNER 1, being corner 43 of U.S.A. Tract 550. Thence with various owners along the boundary of Tract 550 the following courses:

N 66° 54' W, 80.66 chains to CORNER 2, being corner 44 of Tract 550.

N 01° 55' E, 32.93 chains to CORNER 3, being corner 45 of Tract 550.

S 62° 17' E, 10.63 chains to CORNER 4, being corner 46 of Tract 550.

S 86° 46' E, 9.18 chains to CORNER 5, being corner 47 of Tract 550.

N 09° 28' W, 11.49 chains to CORNER 6, being corner 48 of Tract 550.

N 52° 44' E, 14.50 chains to CORNER 7, being corner 49 of Tract 550.

N 77° 21' E, 9.15 chains to CORNER 8, being corner 50 of Tract 550.

N 15° 27' E, 12.80 chains to CORNER 9, being corner 51 of Tract 550.

N 80° 10' W, 0.33 chain to CORNER 10, being corner 52 of Tract 550, a point on top of Pine Mountain and in the Virginia (Dickenson County) - Kentucky (Pike County) state line.

Thence continuing along the boundary of Tract 550, with the top of Pine Mountain and the State Line the following courses:

N 22° 54' E, 10.78 chains to CORNER 11, being corner 53 of Tract 550.

N 74° 57' E, 5.67 chains to CORNER 12, being corner 54 of Tract 550.

N 53° 05' E, 24.92 chains to CORNER 13, being corner 55 of Tract 550, a point on a knob of Pine Mountain and in the State Line.

Thence leaving Pine Mountain and the State Line, and continuing with Tract 550 the following courses:

S 18° 25' E, 5.14 chains to CORNER 14, being corner 56 of Tract 550.

S 05° 55' E, 2.02 chains to CORNER 15, being corner 57 of Tract 550.

Thence leaving the boundary of Tract 550, and with a new division thru Tract 550, S 00° 43' 23" E, 113.10 chains to CORNER 1, the point of beginning.

525.300 Acres

\$789.00 Rental

Subject to F.S. Lease Notice No. 3 and 4

ES-012-12/99 VAES 50529 *VAES 50514

Virginia, Dickenson County, Jefferson N.F.

Parcel No. 3: that tract of land located on the south side of Pine Mountain in Dickenson County, Virginia, being a part of that land conveyed to the United States of America from the Clinchfield Coal Corporation by deed dated December 30, 1940 and recorded December 31, 1940 in Deed Book 76, page 215 at the Circuit Court Clerk's Office of Dickenson County, Virginia. The boundary described as follows:

Being all of that tract containing 5710.6 ACRES and designated as Tract 550 in the aforementioned deed less and except the following parcels:

2592.4 ACRES PARCEL No. 1, TRACT 550

525.3 ACRES PARCEL No. 2, TRACT 550

53.0 ACRES on which all minerals are reserved. (See Parcel No. 1 Tract 550 for description)

0.1 ACRE Exception No. 1, the John P. Vanover Cemetery. (Described in the aforementioned deed).

2,539.800 Acres

\$3,810.00 Rental

Subject to F.S. Lease Notice No. 3 and 4

LEASE NOTICE NO. 3

All or part of the leased lands may contain animal or plant species classified under the Endangered Species Act of 1973, as amended. Other species may have been identified as sensitive in accordance with Forest Service Manual 2670 and be listed on the correct Regional Forester's List of Sensitive Plant and Animal Species. Further information concerning the classification of these species may be obtained from the authorized Forest Officer.

Exploration and development proposals may be limited or modifications required if activity is planned within the boundaries of a threatened, endangered or sensitive plant or animal species location as it thence exists. All activities within these areas must be conducted in accordance with existing laws, regulations and the Forest Land and Resource Management Plan guidelines.

LEASE NOTICE NO. 4

All or part of the leased lands may be classified as wetlands in accordance with Executive Order 11990, "Protection of Wetlands" or a floodplain in accordance with Executive Order No. 11988, "Floodplain Management." Further information concerning the classification of these lands may be obtained from the authorized Forest office.

All activities within these areas must be conducted in a manner to minimize adverse impacts to the resource values and in accordance with the Forest Land and Resource Management Plan guidelines.

**STIPULATION FOR LANDS OF THE NATIONAL FOREST SYSTEM
UNDER JURISDICTION OF DEPARTMENT OF AGRICULTURE**

The licensee/permittee/lessee must comply with all the rules and regulations of the Secretary of Agriculture set forth at Title 36, Chapter II, of the Code of Federal Regulations governing the use and management of the National Forest System (NFS) when not inconsistent with the rights granted by the Secretary of the Interior in the license/prospecting permit/lease. The Secretary of Agriculture's rules and regulations must be complied with for (1) all use and occupancy of the NFS prior to approval of a permit/operation plan by the Secretary of the Interior, (2) uses of all existing improvements, such as Forest development roads, within and outside the area licensed, permitted or leased by the Secretary of the Interior, and (3) use and occupancy of the NFS not authorized by a permit/operating plan approved by the Secretary of the Interior.

All matters related to this stipulation are to be addressed to:

Forest Supervisor, George Washington - Jefferson Nfs
5162 Valleypointe Parkway
Roanoke, Virginia 24019
Telephone No.: (540) 265-5100

who is the authorized representative of the Secretary of Agriculture.

BLM Field Office

Bureau of Land Management
Jackson Field Office
411 Briarwood Drive, Suite 404
Jackson, Mississippi 39206

Surface Management Agency

USDA, Forest Service - Region 8
Room 792 South, Lands & Minerals
1720 Peachtree Road, N.W.
Atlanta, Georgia 30367

ES-013-12/99 WVES 50530 ACQ

West Virginia, Tucker County, Monongahela N.F.

Tract 155-I*;

A portion of Tract 155* in the Left Fork of Clover Run drainage.

(Bearings and distances for corners of U.S. Tract 155 are taken from a Forest Service Survey (1929), are true meridian with distances being expressed in chains.)

Beginning at Corner of U.S. Tract 155, thence with the outside boundary of U.S. Tract 155

N 44E 53' W 0.33 chains to Corner 2,
N 49E 07' E 5.01 chains to Corner 3,
N 72E 37' E 7.63 chains to Corner 4,
N 85E 39' E 1.12 chains to Corner 5,
N 09E 13' W 3.10 chains to Corner 6,
N 05E 00' W 1.66 chains to a point,
N 13E 06' E 5.00 chains to Corner 7,
N 19E 18' E 21.63 chains to a point,
N 37E 25' E 12.56 chains to a point,
N 03E 52' E 7.34 chains to a point,
N 36E 03' E 2.11 chains to a point,
N 27E 17' E 5.12 chains to Corner 8,
N 03E 18' E 8.34 chains to Corner 9,
N 12E 33' E 6.33 chains to Corner 10,
N 75E 11' E 7.69 chains to Corner 11,
S 04E 57' W 46.16 chains to Corner 12,
N 80E 16' E 56.40 chains to Corner 13,
N 02E 08' W 9.01 chains to Corner 14,
N 80E 00' E 14.33 chains to Corner 15,
S 85E 30' E 3.45 chains to Corner 16,
S 11E 41' E 19.15 chains to Corner 17,
S 43E 37' W 4.94 chains to Corner 18,
S 17E 22' W 5.37 chains to Corner 19,
S 24E 28' E 3.23 chains to Corner 20,
S 02E 50' E 10.43 chains to Corner 21,
S 61E 15' E 9.51 chains to Corner 22,
S 03E 06' E 3.58 chains to Corner 23,
N 42E 44' E 41.01 chains to Corner 24, thence leaving the outside boundary
of U.S. Tract 155, through U.S. Tract 155,
S 53E 09' 29" E 96.67 chains to Corner 37, thence with the outside boundary
Of U.S. Tract 155

S 50E 00' W 32.51 chains to Corner 38,
S 54E 40' E 6.56 chains to Corner 39,
S 26E 19' E 10.75 chains to Corner 40,
N 39E 32' W 17.60 chains to Corner 41,
S 51E 27' W 5.14 chains to Corner 42,
S 62E 48' W 3.58 chains to Corner 43,
S 46E 19' W 4.67 chains to Corner 44,
S 64E 26' W 4.48 chains to Corner 45,
S 24E 00' W 4.38 chains to Corner 46,
N 72E 44' W 12.28 chains to Corner 47,
S 30E 03' W 4.03 chains to Corner 48,
S 09E 28' E 7.76 chains to Corner 49,
S 26E 46' W 7.57 chains to Corner 50,
S 15E 15' W 4.49 chains to Corner 51,
S 08E 54' W 3.35 chains to Corner 52,
S 28E 24' W 4.65 chains to Corner 53,
S 03E 37' W 2.39 chains to Corner 54,
S 84E 49' W 11.51 chains to Corner 55,
N 18E 27' W 1.06 chains to Corner 56,
N 57E 36' W 3.44 chains to a point,
N 81E 23' W 3.72 chains to Corner 57,
S 27E 29' W 7.91 chains to Corner 58,
S 33E 12' W 3.72 chains to Corner 59,
S 39E 36' W 1.16 chains to Corner 60,
S 75E 57' W 5.62 chains to Corner 61,
N 03E 58' W 2.52 chains to Corner 62,
N 20E 54' E 3.67 chains to a point,
N 15E 28' E 3.08 chains to a point,
N 02E 49' E 1.35 chains to Corner 63,
N 31E 32' E 0.97 chains to a point,
N 44E 00' E 3.78 chains to Corner 64,
N 01E 58' E 6.15 chains to a point,
N 14E 02' W 1.02 chains to Corner 65,
N 44E 23' W 5.27 chains to Corner 66,
S 83E 02' W 5.98 chains to a point,
N 76E 40' W 10.31 chains to a point,
N 61E 50' W 1.52 chains to a point,
S 88E 21' W 3.00 chains to a point,
S 69E 28' W 1.62 chains to a point,
S 52E 05' W 2.46 chains to a point,
S 80E 36' W 7.44 chains to a point,

S 80E 36' W 7.44 chains to a point,
N 50E 57' W 2.89 chains to Corner 67,
N 58E 43' W 0.86 chains to a point,
N 80E 45' W 3.04 chains to a point,
N 57E 40' W 1.96 chains to a point,
N 36E 17' W 3.51 chains to a point,
N 77E 46' W 1.84 chains to a point,
S 87E 51' W 6.22 chains to a point,
S 77E 16' W 4.83 chains to a point,
S 62E 34' W 2.19 chains to a point,
N 68E 18' W 1.96 chains to a point,
N 49E 39' W 5.08 chains to a point,
N 73E 18' W 0.43 chains to Corner 69,
S 83E 13' W 0.69 chains to Corner 70,
N 48E 02' W 36.68 chains to Corner 71,
S 46E 45' W 61.11 chains to Corner 72,
N 25E 27' W 1.64 chains to Corner 73,
N 44E 50' E 35.87 chains to Corner 74,
N 52E 59' W 28.15 chains to Corner 75,
N 20E 23' W 26.54 chains to Corner 76,
N 31E 30' W 5.13 chains to Corner 77,
N 59E 32' E 10.73 chains to a point,
N 33E 49' E 4.21 chains to a point,
N 10E 27' E 2.34 chains to the Place of Beginning.

(*50% U.S. Mineral Interest)

1779.100 Acres

\$2,670.00 Rental

Subject to F.S. Special Notification No.1, Special Notification No. 21 (Bear Run/Left Fork Clover Run) and Interim Notification No. 24

ES-014 12/99 WVES 50531 ACQ

West Virginia, Tucker County, Monongahela N.F.

A portion of Tract 155* in the Left Fork of Clover Run drainage.

(Bearings and distances for Corners of U.S. Tract 155 are taken from a Forest Service Survey (1929), are tru meridian with distances being expressed in chains.)

Beginning at Corner 24 of Tract 155, thence with the outside boundary of Tract 155

N 00E 32' W 43.71 chains to Corner 25,
N 69E 08' E 41.43 chains to Corner 26,
N 01E 49' W 19.65 chains to Corner 27,
N 77E 12' E 38.01 chains to Corner 28,
N 16E 59' E 10.06 chains to Corner 29,
S 77E 11' E 2.70 chains to Corner 30,
S 79E 19' E 19.31 chains to Corner 31,
S 70E 15' E 11.45 chains to Corner 32,
S 06E 11' W 6.18 chains to Corner 33,
S 06E 55' W 80.90 chains to Corner 34,
S 48E 33' E 16.44 chains to Corner 35,
S 66E 43' W 21.50 chains to Corner 36,
S 20E 17' W 42.89 chains to Corner 37, thence leaving the outside boundary
of Tract 155 through Tract 155
N 53E 09' 29" W 96.67 chains to the place of beginning.

(*50% U.S. Mineral Interest)

1,068.000 Acres

\$1,062.00 Rental

Subject to F.S. Special Notification No. 1, Special Notification No. 21 (Mill run/Johnson Run/Left Fork Clover Run), and Interim Notification No. 24

ES-015-12/99 WVES 50532 ACQ

West Virginia, Pocahontas County, Monongahela N.F.

Tract 36-I (171.00);

Tract 36-II (74.40);

Tract 36-III (63.20);

Tract 143 (1036.30)

Tract 746-I (18.70);

Tract 770 (946.50).

2,308.800 Acres

\$2,463.50 Rental

Subject to F.S. Special Notification No. 1, Special Notification No. 21 (East Fork Greenbrier River, Bennett Run), Special Notification No. 22 (approx. 155 acres), Special Notification No. 23 (approx. 2100 acres), Interim Stipulation No. 20 and Interim Notification No. 24

ES-016-12/99 WVES 50533 ACQ

West Virginia, Pocahontas and Randolph County, Monongahela N.F.

Portions of US Tracts 52, 203, 93 and 54.

Beginning at Corner 10 of US Tract 54, thence with the boundary of a proposed lease approximately N 57E 00' W 102c to a point in the east boundary of the "Gladly" storage area and southern edge of Forest Route 17 and thence crossing said road with the eastern boundary of said storage area in a northwesterly direction approximately 46c to a point in said eastern boundary of storage area inside US Tract 54 and thence continuing with said storage boundary northeasterly 120c crossing US Tract 54 and crossing US Tract 93 into US Tract 52, crossing Forest Service Road 14 to a point 150 feet north of same to the boundary of Laurel Fork South Wilderness Area and thence with the boundary of said Wilderness Area leaving the boundary of the storage area and proceeding with a line 150 feet east of and parallel to the center line of Forest Road 14 easterly approximately 792 feet to a point north of the intersection of Forest Roads 14 and 97; thence with a line 150 north of and parallel to Forest Road 97 approximately 5850.00 feet in an easterly direction to a point 150 feet north of the intersection of Forest Road 97 with an old road grade; thence with a line 150 feet northeasterly of and parallel to said old road grade 2,943.00 feet to a point 150 feet northeast of the intersection of Forest Road 97B with said old road grade; thence with a line 150 feet northeast of and Forest Road 97B 2,100.00 feet to a point on the line of US Tract 203 between corner 1 and 2; thence with the outside boundary of US Tract 203 S 10E 19' W 150 feet to Corner 2 of Tract 203;

common to Corner 9 of US Tract 93 thence with the outside boundary of Tract 93

S 11E 15' W 53.84c to Corner 10 of Tract 93, common to Corner 13 of US Tract 54; and thence with the outside boundary of US Tract 54

S 11E 09' W 6.44c to Corner 12b thence with a line of proposed oil and gas lease crossing a

portion of Tract 54 approximately S 17E 30' W 127.3c to the point of beginning, containing approximately 2,384.869 acres as shown on the map attached hereto and made a part hereof.

2,384.869 Acres

\$3,577.50 Rental

Subject to F.S. Stipulation No. 5, Special Notification No. 1, Special Notification No. 21 (Hansford Run, Lukins Run, Little River), Special Notification No. 22 (approx. 1720 ac.), Special Notification No. 23 (approx. 1715 ac.), and Interim Notification No. 24

ES-017-12/99 WVES 50534 ACQ

West Virginia, Pocahontas County, Monongahela N.F.

Tracts 962, 297, and 814-a in their entireties and a portion of Tract 54.

Beginning at Corner 1 of US Tract 962 same as Corner 2 of US Tract 44 and thence with the outside boundary of US Tract 962

N 55E 18' W 22.342c to corner

N 49E 32' W 26.949c to Corner 3, a point in the center of Forest Service Road 14 and thence with the centerline meanders of said road

N 69E 10' E 2.464c to a point

N 62E 34' E 1.500c

N 58E 30' E 2.991c

N 54E 33' E 1.250c

N 51E 18' E 1.500c

N 44E 02' E 1.250c

N 25E 47' E 1.260c

N 07E 10' E 1.250c

N 01E 28' E 5.690c

N 03E 40' E 2.500c

N 10E 54'' E 3.800c

N 03E 43' W 2.332c

N 18E 31' W 1.822c

N 24E 16' W 3.837c

N 15E 08' W 3.696c

N 04E 49' W 2.026c to Corner 4 of US Tract 962 common to Corner 3 of US Tract 297 and thence with the outside boundary of US Tract 297

N 63E 45' W 15.570c to Corner 2 of US Tract 297 a point in the outside boundary of US Tract 54 located (S 40E 49' W 24.540 c from Corner 11) of US Tract 54; thence with the outside boundary of US Tract 54

S 40E 49' W 62.960c to Corner 10 of Tract 54 thence in a northeasterly direction approximately N 17E 30' E 127.300c to Corner 12b of Tract 54 thence with the outside boundary of Tract 54

S 77E 34' E 25.170c to Corner 12a

N 82E 30' E 4.390c to Corner 12 same as Corner 1 of US Tract 814a and thence with the outside boundary of US Tract 814a
N 11E 52' E 441.00 feet to Corner 2
N 13E 20' E 201.30 feet to Corner 3
S 81E 17' E 1944.5 feet to Corner 4
S 49E 24' E 3193.4 feet to Corner 4
S 44E 58' W 192.00 feet to Corner 6
S 73E 51' W 1884.6 feet to Corner 7
S 04E 21' E 922.20 feet to Corner 8
S 21E 23' E 162.10 feet to Corner 9
S 12E 22' W 746.40 feet to Corner 10 of Tract 814a, same as Corner 7 of US Tract 962 and thence with the outside boundary of US Tract 962
S 77E 00' E 38.540c to Corner 8
S 39E 48' W 53.250c to Corner 9
S 38E 54' W 35.84c to Corner 1, the beginning, containing approximately 1103.468 acres as shown on a map attached hereto and made a part hereof.

1,103.468 Acres

\$1,656.00 Rental

Subject to Special Notification No. 1, Stipulation No. 2, Stipulation No. 19 (Approximately 60 acres), Special Notification No. 21 (Hansford Run, Lukins Run, Mullenax Run), Special Notification No. 22 (Approx. 95 acres), and Special Notification No. 23 (Approx. 930 acres)

ES-018-12/99 WVES 50535 ACQ

West Virginia, Pocahontas County, Monongahela N.F.

Tract 44.

2,373.100 Acres

\$3,561.00 Rental

Subject to Special Notification No. 1, Stipulation No. 2, Interim Stipulation No. 20, Special Notification No. 21 (East Fork Greenbrier, Abes Run, Mullenax Run, Simmons Run, Burning Run), Special Notification No. 22 (Approx. 180 acres), Special Notification No. 23 (Approx 1213 acres), and Interim Notification No. 24.

ES-019-12/99 WVES 50536 ACQ

West Virginia, Pocahontas County, Monongahela N.F.
Portions of US Tracts 40, 54 and 56.

Beginning at a point S 50E 27' E 17.0c from Corner 187 of US Tract 39 and Corner 3 of US Tract 40 being the easterly boundary of the Columbia Gas "Glady" storage area and thence with the common boundary of US Tracts 40 and 39

S 50E 27' E 92.0c to a point thence leaving the common boundary of Tracts 40 and 39 and crossing Tract 40

N 16E 00' E 68.0c to a point in the common boundary line of US Tract 40 and US Tract 56 (S 53E 02' E 82.4c from Corner 2 of Tract 40) thence crossing Tract 56

N 66E 00' E 81.2c to a point in the common boundary line of US Tract 56 and US Tract 44 (N 49E 05' W 124.0c from Corner 10 of Tract 44) thence with the common boundary of Tracts 56 and 44

N 49E 05' W 39.40c to Corner 5 of US Tract 56

N 40E 40' E 55.01c to Corner 4 of Tract 56 thence leaving the said common boundary of Tract 44

N 50E 26 W 79.25c to Corner 3 of Tract 56, same as Corner 10 of Tract 54 and thence crossing into Tract 54; approximately

N 55E 00' W 102.0c to a point in the east boundary of the "Glady" storage area and southern edge of Forest Route 17 and thence with the eastern boundary of "Glady" storage area in a southeasterly direction approximately 144c to a point in the easterly boundary of "Glady" storage area and thence with same southwesterly 87.0c to the point of beginning, containing approximately 2224.261 acres as shown on the map attached hereto and made a part hereof.

2,224.261 Acres

\$3,337.50 Rental

Subject to Special Notification No. 1, Stipulation No. 2, Special Notification No. 21 (Hinkle Run), Special Notification No. 22 (Approx 1510 acres), Special Notification No. 23 (Approx. 1314 acres), and Interim Notification No. 24

ES-020-12/99 WVES 50537 ACQ

West Virginia, Pocahontas County, Monongahela N.F.
Tract 1431.

127.600 Acres

\$192.00 Rental

Subject to Special Notification No. 1, Special Notificaion No. 23 (127.6 acres), and Interim Notification No. 24

ES-021-12/99 WVES 50538 ACQ

West Virginia, Pocahontas County, Monongahela N.F.

Portions of US Tract 39 and 110.

Beginning at a point

S 50E 27' E 17c from Corner 187 of US Tract 39 and Corner 3 of US Tract 40 common to a point on a proposed oil and gas lease, being the easterly boundary of the Columbia Gas "Glady" storage area and thence with the outside boundary of US Tract 39; common boundary to US Tract 40

S 50E 27' E approximately 209.56c to Corner 188 of Tract 39 common to Corner 4 of US Tract 40; thence with common boundary of Tracts 40, 56 and 44

N 50E 06' E 93.63c to Corner 16A

N 45E 58' E 27.77c to Corner 17

N 30E 14' E 40.5c to Corner 18 common corner to Corner 12 of US Tract 29, thence with the common boundary of Tracts 110 and 29, thence

S 59E 50' E 31.74c to Corner 19

S 31E 54' W 85.96c to Corner 20

S 53E 40' W 116.04c to Corner 21 common to Corner 15 of Tract 29 thence

S 71E 48' E 25.48c to a point in line of US Tract 110 and US Tract 29 thence along the northwesterly side of WV State Rt. 28 turning southerly approximately 48 chains along same; thence northwesterly with said right-of-way to a point, the crossing of Long Run; thence with the meanders of Long Run in a northwesterly direction to a point in the center of the East Fork of the Greenbrier River at the confluence of the East Fork and Long Run, thence with the center of the Greenbrier River

N 53E 20' W .95c

N 81E 33' W 3.53c

S 54E 35' W 8.07c

N 79E 49' W 3.77c

S 51E 44' W 3.06c

S 05E 57' E 1.35c

S 63E 08' W 2.92c

S 21E 12' W 1.19c

S 37E 21' W 2.85c

S 61E 54' W 6.09c

N 88E 57' W 7.21c

S 84E 02' W 3.65c

S 70E 29' W 5.74c

S 65E 15' W 4.64c

S 28E 21' W 6.79c

S 55E 04' W 16.02c

N 38E 14' W 1.89c

N 83E 49' W 3.87c

S 40E 43' W 4.04c
S 22E 42' W 1.45c
S 25E 53' W 7.40c
S 17E 09' W 2.30c
S 04E 95' W 3.55c
S 23E 01' W 2.78c
S 31E 53' W 2.56c
S 42E 33' E 1.50c

S 13E 11' W 4.93c to Corner 2 thence with the boundary of a proposed oil and gas lease northwesterly approximately N 12E 30' W 250 chains to beginning containing approximately 2429.535 acres as shown on the map attached hereto and made a part hereof.

2,429.535 Acres

\$3,645.50 Rental

Subject to Special Notification No. 1, Stipulation No. 2, Stipulation No. 4, Stipulation no.11 (recreation use season: March 1 through the last day of deer-rifle season, generally the first Saturday in December), Interim Stipulation No. 20, Special Notification No. 1 (East Fork Greenbrier River, Five Mile Hollow, Poca Run), Special Notification No. 22 (Approx 25 acres), Special Notification No. 23 (Approx. 580 acres), and Interim Notification No. 24

ES-022-12/99 WVES 50539 ACQ

West Virginia, Pocahontas County, Monongahela N.F.

A portion of US Tract 39 and US Tract 586 in its entirety.

Beginning at Corner 9 of Tract 586, thence with the outside boundary of Tract 5865

N 50E 36' W 11.85c to Corner 10

N 71E 12' W 11.85c to Corner 11

N 24E 31' W 9.57c to Corner 12

N 24E 32' W 15.84c to Corner 13

S 78E 53' W 11.70c to Corner 14 same as Corner 33 of US Tract 39 thence

with outside boundary of US Tract 39

S 13E 48' W 9.71c to Corner 34 of Tract 39

S 13E 44' W 8.00c to Corner 35

S 20E 35' E 9.23c to Corner 36

N 79E 28' E 16.58c to Corner 37

S 51E 08' E 13.28c to Corner 38

S 55E 22' W 22.70c to Corner 39

S 83E 42' W 32.22c to Corner 40

Thence with the meanders of Sugar Camp Run

S 08E 56' W 3.28c

S 33E 53' E 2.27c

S 15E 15' E 1.96c

S 04E 45' E 2.46c
 S 20E 40' E 5.15c
 S 40E 39' E 3.41c
 S 77E 22' E 2.02c
 S 29E 41' E 1.00c to Corner 41 of Tract 39
 S 44E 19' W 11.24c to Corner 42
 S 21E 21' E 3.36c to Corner 43
 S 57E 56' W 29.97c to Corner 44
 S 71E 58' W 6.33c to Corner 45
 N 58E 57' W 7.38c to Corner 46
 N 51E 04' W 25.98c to Corner 47
 S 17E 16' W 10.57c to Corner 48
 S 57E 21' W 16.57c to Corner 49
 S 42E 18' E 10.07c to Corner 50
 N 77E 05' W 34.71c to Corner 51
 N 09E 33' E 14.97c to Corner 52
 N 09E 41' W 19.28c to Corner 53
 S 83E 26' W 45.65c to Corner 54
 N 30E 59' E 34.85c to Corner 55
 S 76E 21' E 12.78c to Corner 56
 S 23E 21' E 13.75c to Corner 57
 S 66E 36' E 11.06c to Corner 58
 N 45E 38' E 23.89c to Corner 59, a point approximately on the easterly boundary
 of Columbia Gas "Glady" storage area, thence with said storage boundary northeasterly
 approximately 189 chains to a point in said eastern boundary of "Glady" storage common
 to a proposed lease, thence
 S 24E 28' 46" E 131.21c to Corner 1 Tract 586, then with the outside boundary of Tract 586
 S 43E 29' E 8.08c to Corner 2
 S 18E 55' E 5.80c to Corner 3
 S 47E 56' E 4.58c to Corner 4
 S 46E 47' E 9.05c to Corner 5
 S 50E 43' E 2.89c to Corner 6
 S 23E 26' E 2.96c to Corner 7
 S 11E 51' E 19.46' to Corner 8
 S 05E 11' E 3.21c to the beginning, containing approximately 1880.4 acres as shown on
 the map attached hereto and made a part hereof.

1880.400 Acres

\$2,821.50 Rental

Subject to Special Notification No. 1, Stipulation No. 9, Interim Stipulation No. 20, Special
 Notification No. 21 (East Fork Greenbrier River), Special Notification No. 23 (1880.4 ac.), and
 Interim Notification No. 24

ES-023-12/99 WVES 50540 ACQ

West Virginia, Pocahontas County, Monongahela N.F.

All of US Tract 2, all of US Tract 585, and a portion of US Tract 110.

Beginning at a point in the outside boundary of US Tract 110 on the meander line between Corners 1 and 2 of said US Tract 110 (the Northwest corner of Oil and Gas Lease BLMA-054047);

thence N 52E 51' E 70.23 chains

to the northernmost point in BLMA-054047, then with the boundary of BLMA-054047

S 55E 36' E 31.82 chains

to a point in the western boundary of Oil and Gas lease BLMA-037074

thence N 21E 44' 33" W 117.71 chains

to Corner 7 of US Tract 2, and thence with the outside boundary of said Tract 2

thence N 24E 09' E 7.96 chains

to Corner 8 of Tract 2 (common to Corner 8a of US Tract 110); thence continuing with the outside boundary of Tract 2;

N 34E 24' W 25.38c to Corner 9

S 09E 32' W 20.41c to Corner 10

S 55E 08' W 2.59c to Corner 11

N 73E 42' W 8.40c to Corner 12

N 89E 22' W 11.16c to Corner 13

S 77E 46' W 9.59c to Corner 14

S 69E 17' W 15.68c to Corner 15

S 69E 41' W 29.35c to Corner 16

S 34E 46' W 36.76c to Corner 17

S 35E 49' W 7.11c to Corner 18

S 45E 00' W 29.12c to Corner 19

N 34E 50' W 4.64c to Corner 20

N 74E 53' W 13.42c to Corner 21

S 05E 57' E 13.73c to Corner 22

S 26E 05' E 17.12c to Corner 23

S 61E 40' W 21.93c to Corner 24

a point in the centerline of the Staunton-Parkersburg Turnpike, and, thence with the centerline of said Turnpike and the meanders thereof;

S 44E 26' E 1.78c

S 24E 53' E 3.92c

S 01E 26' W 1.24c

S 45E 16' E 1.59c

S 11E 35' E 5.80c to Corner 25

S 38E 24' E 18.10c to Corner 26

N 84E 31' E 4.44c to Corner 27 of US Tract 2. Common Corner to Corner 26 of

US Tract 585; and thence with the outside boundary of US Tract 585:

S 30E 00' E 7.41c to Corner 25
S 15E 45' W 11.40c to Corner 24
S 59E 00' W 13.76c to Corner 23
N 27E 15' W 7.16c to Corner 22
S 42E 45' W 1.90c to Corner 21
S 60E 00' W 4.05c to Corner 20
S 66E 15' W 2.66c to Corner 19
S 84E 45' W 3.79c to Corner 18
S 71E 45' W 3.47c to Corner 17
S 60E 15' W 3.38c to Corner 16
N 85E 30' W 5.18c to Corner 15
S 66E 45' W 2.41c to Corner 14
N 70E 00' W 12.15c to Corner 13
S 28E 15' W 2.69c to Corner 12
S 31E 45' W 1.79c to Corner 11
S 83E 15' E 7.17c to Corner 10
N 88E 45' E 5.87c to Corner 9
S 74E 45' E 6.30c to Corner 8
S 69E 24' E 14.35c to Corner 7
S 70E 14' E 25.10c to Corner 6
S 68E 53' E 37.52c to Corner 5
S 70E 23' E 15.4c to Corner 4
N 44E 45' E 2.87c to Corner 3
N 72E 15' E 8.17c to Corner 2

N 77E 52' E 26.35c to Corner 1 described as a point between Corners 1-2 of US Tract 100; thence northerly along the center line of the turnpike with the meanders of said turnpike and the western boundary of Oil and Gas Lease BLMA-054047, thence;

N 22E 18' E 4.78c
N 08E 07' W 2.43c
N 60E 22' E 5.45c
N 33E 43' E 3.05c
N 07E 01' E 2.13c
N 04E 49' E 10.24c

N 25E 37' W 2.48c
N 58E 23' W 4.62c
N 06E 32' E 6.58c
N 01E 56' E 2.32c

To the point of beginning containing approximately 2220.031 acres, as shown on the map attached hereto and made a part hereof.

2220.031 Acres

\$3,331.50 Rental

Subject to Special Notification No. 1, Stipulation No. 6 (approx. 6 ac.), Special Notification No. 21 (Little River), Special Notification No. 23 (2220.031 ac.), and Interim Notification No. 24

ES-024-12/99 WVES 50541 ACQ

West Virginia, Pocahontas County, Monongahela N.F.

All of US Tracts 475, 648, 689, 1405 and that portion of 361-b not included within the boundary of existing Oil and Gas Lease WVBLMA 054047.

Beginning at Corner 1 of US Tract 361-b and following the outside boundary of said US Tract 361-b

N 31E 56' W 6.30c to Corner 2
S 85E 43' W 11.40c to Corner 3
N 87E 23' W 4.20c to Corner 4
N 57E 09' W 19.20c to Corner 5
S 86E 12' W 7.40c to Corner 6
S 57E 11' W 13.00c to Corner 7
N 83E 12' W 5.60c to Corner 8
N 01E 00' E 32.50c to Corner 8a
N 01 32' E 23.30c to Corner 9 the southwest corner of Oil and Gas Lease

WVBLMA-054047 and thence along the western boundary of said lease crossing Tract 361-b

N 18E 14' W 9.93c to Corner 15 of US Tract 361-b; thence again with the outside boundary of US Tract 361-b;

N 64E 35' W 44.70c to Corner 16
N 38E 25' W 45.90c to Corner 17
N 68E 15' W 33.60c to Corner 18
S 33E 12' W 13.80c to Corner 19
S 51E 55' W 16.90c to Corner 20
S 56E 19' W 4.90c to Corner 21
S 58E 03' E 9.20c to Corner 22
S 31E 43' W 24.60c to Corner 23
S 48E 55' E 4.50c to Corner 24
S 34E 37' W 12.10c to Corner 25
S 42E 45' E 3.15c to Corner 26
S 72E 15' E 26.09c to Corner 27

S 06E 00' W 15.75c to Corner 28
 S 36E 24' W 11.19c to Corner 29
 S 15E 20' W 8.08c to Corner 30
 S 84E 55' W 5.95c to Corner 31
 S 55E 10' W 6.19c to Corner 32
 S 82E 30' W 11.87c to Corner 33
 N 82E 45' W 8.81c to Corner 34
 S 16E 00' E 28.75c to Corner 35
 N 44E 46' E 9.30c to Corner 36
 N 83E 51' E 28.50c to Corner 37
 S 65E 23' E 24.50c to Corner 38
 N 88E 54' E 24.80c to Corner 39
 N 88E 30' E 21.20c To Corner 40
 N 10E 26' W 11.40c to Corner 41
 S 70E 39' E approximately 45.5c to Corner 3 of US Tract 689 and thence with the
 outside boundary of US Tract 689
 S 54E 58' W 14.82c to Corner 2 of US Tract 689
 S 18E 45' E 1.32c to Corner 1 of US Tract 689 common to Corner 9 of US Tract
 648 and thence with the outside boundary of said US Tract 648
 S 20E 29' E 6.40c to Corner 8
 S 32E 30' E 5.05c to Corner 7
 S 55E 18' E 6.50c to Corner 6
 S 85E 15' E 3.60c to Corner 5
 S 71E 18' E 10.75c to Corner 4
 S 19E 04' E 3.08c to Corner 3
 S 39E 15' E 5.12c to Corner 2
 S 51E 36' E 8.67c to Corner 1 of US Tract 648, same as Corner 2 of US Tract
 475; thence with outside boundary of US Tract 475
 S 54E 15' E 25.36c to Corner 1 of US Tract 475 and thence with the meanders of
 County Route 4 and crossing same to Corner 4 of US Tract 1405 (N 80E E 5.09c) and
 thence with the outside boundary of Tract 1405
 S 02E 27' W 267.7 feet to Corner 3
 S 82E 53' W 104.6 feet to Corner 2
 thence with the meanders of the Staunton-Parkersburg Turnpike;
 S 25E 05' E 44.8 feet
 S 36E 51' E 63.8 feet
 S 45E 43' E 52.7 feet
 S 53E 43' E 102.8 feet
 S 45E 10' E 112.6 feet
 S 46E 01' E 88.6 feet
 S 53E 22' E 69.5 feet

S 59E 41' E 66.0 feet
S 68E 08' E 53.6 feet
S 75E 38' E 69.9 feet
S 81E 09' E 197.3 feet
S 84E 02' E 87.3 feet
S 88E 11' E 76.6 feet
N 86E 18' E 78.3 feet
N 76E 08' E 52.0 feet
N 67E 16' E 54.4 feet
N 70E 41' E 143.6 feet
N 77E 32' E 51.1 feet
N 87E 03' E 40.8 feet
S 88E 19' E 152.3 feet
N 87E 58' E 66.6 feet
N 83E 33' E 180.9 feet
N 64E 01' E 93.2 feet
N 74E 21' E 37.4 feet
S 89E 46' E 46.8 feet
S 74E 37' E 41.9 feet
S 65E 29' E 119.3 feet
S 71E 02' E 72.5 feet
S 77E 55' E 212.8 feet
S 69E 12' E 43.2 feet
S 53E 04' E 43.2 feet
S 47E 35' E 110.7 feet
S 53E 30' E 125.2 feet
S 61E 15' E 40.0 feet
S 74E 29' E 34.9 feet

S 89E 42' E 34.9 feet to Corner 1 of US Tract 1405; common to a point on the boundary of Tract 414 between corner 9 and 10, thence continuing with the common boundary of US Tract 1405 and Tract 414

N 05E 11' W 1413.6 feet to Corner 22 of Tract 1405
S 81E 34' E 242.5 feet to Corner 21
S 26E 09' E 1414.8 feet to Corner 20
N 76E 30' E 581.7 feet to Corner 19
N 44E 11' E 697.6 feet to Corner 18
N 89E 02' E 969.6 feet to Corner 17
N 45E 52' E 1957.7 feet to Corner 16
N 35E 24' W 680.0 feet to Corner 15
N 26E 05' E 1614.7 feet to Corner 14
N 56E 20' W 89.6 feet to Corner 13 common corner to Corner 19 of US Tract 414

leaving the boundary with Tract 414; thence continuing with outside boundary (meanders of the drain) of Tract 1405

S 28E 05' W 28.6 feet
S 46E 51' W 43.2 feet
S 57E 08' W 48.7 feet
S 66E 43' W 68.5 feet
S 72E 16' W 65.0 feet
S 80E 33' W 68.7 feet
S 83E 22' W 85.4 feet
N 86E 21' W 93.1 feet
S 88E 03' W 37.4 feet
S 73E 28' W 148.2 feet
S 71E 27' W 84.3 feet
S 64E 27' W 43.9 feet
S 58E 49' W 118.1 feet
S 63E 32' W 267.0 feet
S 59E 42' w 52.0 feet
S 57E 50' W 106.0 feet
S 48E 02' W 78.9 feet
S 35E 00' W 110.0 feet
S 25E 24' W 41.5 feet
S 15E 07' W 106.3 feet to Corner 12 thence with meanders of a drain
S 14E 19' E 67.3 feet
S 20E 59' W 82.2 feet
S 15E 17' E 211.1 feet
S 37E 41' E 74.5 feet
S 22E 09' W 54.0 feet
S 32E 16' E 70.5 feet to Corner 11 thence away from said drain
N 85E 13' W 2121.0 feet to Corner 10 (center of access road) and thence with meanders of said access road;
S 48E 29' W 39.7 feet
S 41E 20' W 35.6 feet
S 34E 26' W 165.6 feet
S 42E 36' W 36.1 feet
S 51E 32' W 110.8 feet
S 54E 58' W 48.4 feet
S 57E 43' W 72.5 feet
S 56E 19' W 84.4 feet to Corner 9 thence leaving access road
S 01E 43' W 574.0 feet to Corner 8
S 79E 51' W 192.1 feet to Corner 7
N 04E 49' E 490.2 feet to Corner 6 to a point in the center of said access road and

thence with the Meanders of said road

S 64E 12' W 75.7 feet

N 86E 41' W 28.0 feet

N 76E 46' W 26.5 feet

N 71E 42' W 45.0 feet

N 64E 15' W 57.3 feet

N 58E 31' W 61.2 feet

N 53E 25' W 57.7 feet

N 47E 50' W 146.8 feet

N 53E 27' W 14.5 feet to Corner 5, thence with meanders of the road

S 50E 05' W 35.8 feet

S 59E 57' W 45.7 feet

S 52E 35' W 44.2 feet

S 46E 38' W 68.3 feet

S 45E 49' W 82.6 feet

S 56E 07' W 82.3 feet

S 61E 59' W 55.4 feet

S 68E 15' W 53.2 feet

S 76E 50' W 51.3 feet

S 85E 47' W 65.9 feet

N 87E 44' W 75.5 feet

N 78E 58' W 35.0 feet

N 65E 24' W 34.1 feet

N 53E 21' W 82.8 feet

N 67E 27' W 34.9 feet

N 83E 54' W 35.9 feet

S 83E 14' W 44.9 feet

S 73E 15' W 52.4 feet

S 67E 21' W 51.7 feet

S 61E 14' W 218.1 feet

S 56E 22' W 48.1 feet

S 51E 30' W 54.4 feet

S 44E 08' W 47.4 feet

S 31E 03' W 52.7 feet

S 18E 25' W 50.0 feet

S 09E 46' W 50.0 feet

S 05E 00' W 154.8 feet

S 09E 36' W 62.2 feet to Corner 6 of US Tract 475 and thence with the outside

boundary of said US Tract 475

N 66E 45' W 13.16c to Corner 5

N 18E 15' E 13.28c to Corner 4

N 70E 39' W 5.39c to Corner 42 of US Tract 361-b and thence with outside boundary of said US Tract 361-b

N 01E 52' E 20.80c to the point of beginning containing approximately 1939.752 acres, as shown on the map attached hereto and made a part hereof.

1,939.752 Acres

\$2,910.00 Rental

Subject to Special Notification No. 1, Stipulation No. 6 (approx 115 ac.), Special Notification No. 23 (1939.752 ac.) and Interim Notification No. 24

ES-025-12/99 WVES 50542 ACQ

West Virginia, Pocahontas County, Monongahela N.F.

A portion of Tract 361 and Tract 414 in its entirety.

Beginning at Corner 1 of US Tract 414 common corner to 81 of US Tract 361 and thence with outside boundary of Tract 414

N 44E 00' E 15.80c to Corner 2
N 48E 10' W 20.00c to Corner 3
N 69E 30' E 6.80c to Corner 4
N 19E 35' E 8.50c to Corner 5
N 60E 00' E 3.99c to Corner 6
N 37E 00' E 24.15c to Corner 7
N 54E 40' E 9.967c to Corner 8
N 40E 15' E 31.14c to Corner 9
N 05E 50' W 26.30c to Corner 10
S 83E 55' E 3.83c to Corner 11
S 27E 08' E 21.70c to Corner 12
N 76E 15' E 8.80c to Corner 13
N 43E 45' E 10.70c to Corner 14
N 89E 00'E 15.50c to Corner 15
N 45E 55' E 29.70c to Corner 16
N 36E 30' W 10.20c to Corner 17
N 24E 40' E 24.50c to Corner 18
N 55E 30' W 1.36c to Corner 19
N 33E 45' E 3.00c to Corner 20 thence in a southeasterly direction with the meanders of Little River 14.35 chains to Corner 21
S 37E 25' E 22.00c to Corner 22
S 17E 00' E 7.00c to Corner 23
S 01E 00' W 6.85c to Corner 24
S 12E 30' W 6.90c to Corner 25
S 48E 15' W 6.90c to Corner 26
S 67E 25' E 14.30c to Corner 27

N 22E 00' E 0.50c to Corner 28
 S 56E 00' E 5.00c to Corner 29
 S 48E 45' W 1.95c to Corner 30
 S 33E 18' W 34.10c to Corner 31
 N 80E 20' E 22.70c to Corner 32
 S 84E 15' E 4.00c to Corner 33
 S 75E 14' E 3.25c to Corner 34
 S 24E 50' E 37.85c to Corner 35
 S 40E 50' W 5.70c to Corner 36
 N 45E 30' W 17.40c to Corner 37
 S 20E 00' W 12.30c to Corner 38
 S 73E 10' W 26.90c to Corner 39
 S 60E 10' W 39.00c to Corner 40
 S 04E 00' W 13.80c to Corner 41
 S 23E 05' W 16.50c to Corner 42
 S 25E 15' E 0.75c to Corner 43 thence down the north fork of Deer Creek
 (approximately S 50E W) 16.00c with meanders to Corner 44 in the mouth of Elleber
 Run, then up Elleber Run with meanders
 S 39E E 12c
 S 11E W 16.8c
 S 26E W 37.2c to Corner 88 of US Tract 361 and thence crossing Tract 361 in a
 northwesterly direction (approximately N 60E W) 145 chains to Corner 70 of Tract 361
 and thence with the outside boundary of Tract 361
 N 71E 00' E 21.60c to Corner 71 in a northeasterly direction up Black Run
 with the meanders thereof 18 chains to Corner 72
 N 33 00' E 5.00c to Corner 73
 N 17 00' E 14.50c to Corner 74
 N 36 30' E 7.50c to Corner 75
 N 10 00' W 14.20c to Corner 76
 N 34 35' W 12.50c to Corner 77
 N 19 30' W 7.70c to Corner 78
 N 07 00' E 5.90c to Corner 79
 N 58 45' E 10.00c to Corner 80
 S 37 30' E 21.00c to Corner 81 to the beginning, containing approximately 2433.493 acres as
 shown on the map attached hereto and made a part hereof.

2,433.493 Acres

\$3,651.00 Rental

Subject to Special Notification No. 1, Stipulation No. 3 (approx. 65 ac.), Special Notification No. 21
 (Little River, North Fork Deer Creek, Sugar Camp Run, Elleber Run, Block Run), Special Notification
 No. 22 (approx. 285 ac.), Special Notification No. 23 (2433.493 ac.), and Interim Notification
 No. 24

ES-026-12/99 WVES 50543 ACQ

West Virginia, Pocahontas County, Monongahela N.F.

Tract 361c;

Tract 361d;

Tract 454;

Tract 465;

Tract 522;

Tract 696;

Tract 696a;

Tract 818.

1,680.800 Acres

\$2,521.50 Rental

Subject to Special Notification No. 1, Special Notification No. 23 (1680.8 ac.), and Interim Notification No. 24

ES-027-12/99 WVES 50544 ACQ

West Virginia, Pocahontas County, Monongahela N.F.

Tract 1334.

992.680 Acres

\$1,489.50 Rental

Subject to Special Notification No. 1, Stipulation No. 19 (approx. 320 ac.), and Interim Notification No. 24

ES-028-12/99 WVES 50545 ACQ

West Virginia, Pocahontas County, Monongahela N.F.

Portions of Tracts 48 and 1294 together with Tracts 1295, 1163 and 1174 in their entirety.

Beginning at a point in the boundary of Laurel Fork North Wilderness Area (N 28E 14' E 275.4 feet from Corner 11 of US Tract 1294) and thence with the outside boundary of said Wilderness Area with a line through US Tract 1294; northerly, down said drain with the meanders thereof, 924.0 feet to a point on a line of US Tract 1294 between Corners 8 and 9, also being a point on a line of US Tract 48 between Corners 90 and 91; thence with lines of US Tracts 1294 and 48

S 39E 23' W 1485.0 feet to Corner 8 of Tract 1294

S 59E 37' W 670.6 feet to Corner 7 of Tract 1294; thence with the boundary of Tract 1294

S 49E 38' E 4.091c to Corner 6

S 49E 48' W 4.811c to Corner 5

S 08E 09' E 10.569c to Corner 4

S 39E 23' W 3.009c to Corner 3

S 73E 34' W 4.159c to Corner 2

S 00E 38' W 2.307c to Corner 1 of Tract 1294; common corner to Corner 10 of US Tract 1295; thence with the boundary of Tract 1925

S 16E 55' E 8.387c to Corner 9
 S 46E 29' W .918c to Corner 8
 S 77E 09' W 7.484c to Corner 7
 S 36E 27' W 5.721c to Corner 6
 S 50E 28' W 3.937c to Corner 5
 S 25E 12' W 3.161c to Corner 4
 N 78E 43' W 2.807c to Corner 3
 N 21E 40' E 3.505c to Corner 2
 N 55 14' W .968c to Corner 1 of Tract 1295; a point in the boundary of US
 Tract 48 between Corners 94 and 95; thence with the boundary of US Tract 48
 N 56E 16' E 1.69c to Corner 94 of tract 48
 N 19E 37' E 1304.82 feet to Corner 93
 N 11E 24' W 238.02 feet to a point on a line of US Tract 48 between Corners 93 and 92; 150 feet
 north of the centerline of Forest Road 421 and thence with a line parallel to and 150 feet northwesterly
 of the centerline of said Road, southwesterly, about 4488.0 feet to a point 150 feet northeast of the
 centerline of State Secondary Rout 40; thence in a southerly direction crossing State Secondary Route
 40 a total of 300 feet to a point in the outside boundary of Laurel Fork South Wilderness Area and
 thence with the outside boundary of Laurel Fork South Wilderness Area with a line 150 feet south and
 westerly of and parallel to the centerline of State Secondary Route 40 to a point in the line of US Tract
 48 between Corners 101 and 102; thence N 10E 44' E 589 feet to Corner 101 of Tract 48, common
 corner to Corner 23 of Tract 1295; thence with the outside boundary of Tract 1295
 N 13E 18' E 5.652c to Corner 22
 N 40E 22' E 27.622c to Corner 21
 N 36E 07' E 17.173c to Corner 20
 N 00E 53' E 22.021c to Corner 19
 S 79E 01' E 15.361c to Corner 18
 S 79E 07' E 33.108c to Corner 17
 N 36E 04' E .320c to Corner 16 common corner to Corner of US Tract 1163
 and thence with the outside boundary of Tract 1163
 S 78E 50' E 20.641c to Corner 5
 S 87E 32' E 8.929c to Corner 4
 S 67E 53' E 17.611c to Corner 3 common corner to Corner 1 of US Tract 1174
 and thence with the outside boundary of Tract 1174 with the northeast boundary of State
 Secondary Route 40
 S 40E 03' E 2.417c
 S 51E 33' E 1.1014c
 S 84E 10' E 1.793c
 S 41E 54' E 2.090c
 S 19E 08' E 3.226c
 S 41E 54' E 2.061c
 S 60E 18' E 3.696c

S 61E 42' E 4.067c
S 65E 10' E 1.082c
S 89E 59' E 1.693c
S 51E 50' E 3.819c
S 12E 52' E 1.911c
S 26E 14' E 2.385c
S 44E 12' E 2.717c to Corner 21
S 76E 32' E 11.878c to Corner 20
N 30E 59' E 1.222c to Corner 19
S 46E 43' E 2.372c to Corner 18
N 79E 18' E 6.394c to Corner 17
N 22E 30' E 5.088c to Corner 16
N 24E 54' E 3.974c to Corner 15
N 86E 28' E 4.040c to Corner 14
N 80E 51' E 5.690c to Corner 13
N 19E 46' W 10.427c to Corner 12
N 19E 54' W 27.328c to Corner 11
N 46E 47' W 8.431c to Corner 10
N 40E 01' E 8.164c to Corner 9
N 76E 22' E 22.647c to Corner 8
N 56E 15' E 4.689c to Corner 7
N 70E 27' E 8.064c to Corner 6
N 16E 52' W 3.315c to Corner 5
N 36E 35' W 37.311c to Corner 4
S 31E 10' W 18.107c to Corner 3
S 29E 38' W 4.098c to Corner 2, common corner to Corner 2 of US Tract 1163
and with the outside boundary of Tract 1163
N 65E 47' W 48.280c to Corner 1 of US Tract 1163
S 28E 49' W 27.835c to Corner 9
N 65E 07' W 12.511c to Corner 8, common corner to Corner 12 of US Tract 1294
and thence with the outside boundary of Tract 1294
N 63E 20' W 38.103c to Corner 11 of US Tract 1294
N 28E 14' E 275.4 feet to the beginning, containing approximately 1424.75 acres
as shown on the map attached hereto and made a part hereof.

*Note: Contained within the boundary hereof is a 27 acre reservation not to be included in this parcel.

1,424.750 Acres

\$2,137.50 Rental

Subject to Special Notification No. 1, Stipulation No. 19 (approx. 210 Ac.), Special Notification No. 21 (Five Lick Run), and Interim Notification No. 24

ES-029-12/99 WVES 50546 ACQ

West Virginia, Randolph County, Monongahela N.F.

Land within the Monongahela National Forest, beginning at Corner 1, then

N 13E 12' R 13.162c to Corner 2

S 85E 55' E 8.405c to Corner 3

N 73E 05' E 12.904c to Corner 4

S 55E 47' E 34.149c to Corner 5, in a line of Oil and Gas Lease WVES 46121, then with a line of Oil and Gas Lease WVES 46121 for one line

S 23E 44' W 13.813c to Corner 6, then leaving the boundary of Oil and Gas Lease WVES 46121

N 71E 08' W 49.062c to the beginning containing approximately 89.93 acres as shown on the map attached hereto and made a part hereof.

89.930 Acres

\$135.00 Rental

Subject to Special Notification No. 1, Stipulation No. 13, Special Notification No. 21 (Big Run (of Gandy Creek)), and Interim Notification No. 24

ES-030-12/99 WVES 50547 ACQ

West Virginia, Pendleton, Pocahontas and Randolph Counties, Monongahela N.F.

Tract 605;

Tract 746;

Tract 863;

Tract 935;

Tract 935a;

Tract 935b;

Tract 958;

Tract 882;

Tract 1234a;

Tract 1234a;

Tract 1234c;

Tract 1234d;

Tract 1234e;

Tract 1234f;

Tract 1235;

Tract 1236;

Tract 1237;

Tract 1239;

Tract 1240;

Tract 1241;

Tract 1243;

Tract 1244;

Tract 1245;
Tract 1247;
Tract 1247a;
Tract 1248;
Tract 1249;
Tract 1250;
Tract 1250a;
Tract 1251;
Tract 1252.

2,297.610 Acres

\$3,447.00 Rental

Subject to Special Notification No. 1, Stipulation No. 8, Special Notification No. 21 (Gandy Creek, Big Run(of North Fork South Branch Potomac), Elk Run), Special Notification No. 22 (approx. 800 ac.), Special Notification No. 23 (approx 1170 ac.), and interim Notification No. 24.

No surface occupancy will be permitted within Tracts 882, 1234a, 1234c, 1234d, 1234e, 1234f, 1235, 1236, 1237, 1239, 240, 1241, 1243, 1244, 1245, 1347, 1247a, 1248, 1249, 1250, 1250a, 1251 and 1252 due to deed restrictions.

ES-031-12/99 WVES 50548 ACQ

West Virginia, Pendleton and Randolph Counties, Monongahela N.F.

A portion of Tract 38b.

Beginning at a point which is S 65E 28' E 141.11c from Corner 31 of said Tract 38b; thence

S 48E 45' E 38.38c to a corner on the boundary of Oil and Gas Lease WVES 46108,
then with the boundary of said lease

S 08E 47' W 20.04c

S 20E 57' E 11.94c

S 48E 38' W 4.92c

S 22E 10' W 12.32c

S 00E 22' W 18.53c

S 49E 28' W 5.91c

S 42E 55' W 8.37c

S 13E 50' W 8.78c

S 21E 58' W 11.44c

S 37E 32' W 10.83c

S 50E 46' W 16.55c

S 15E 54' W 3.94c

S 32E 38' W 11.81c

S 14E 56' W 5.43c

S 36E 23' W 6.89c

S 21E 19' W 5.42c

S 45E 26' W 14.78c
S 21E 55' W 6.40c
S 08E 12' W 12.83c
S 28E 45' W 14.28c
S 46E 47' W 14.03c
S 16E 25' W 14.40c
N 63E 57' W 25.01c
N 49E 26' W 5.03c
N 44E 35' W 5.74c
N 36E 44' W 5.17c
N 41E 22' W 4.90c
N 58E 23' W 9.99c
N 67E 02' W 5.97c
N 64E 16' W 10.43c
N 47E 32' W 5.44c

S 85E 14' W 28.46c to a corner on the boundary of Oil and Gas Lease WVES 46121,
thence leaving Oil and Gas Lease WVES 46108 and with the boundary of Oil and Gas Lease
WVES 46121

N 09E 25' E 4.64c
N 07E 54' W 8.37c
N 25E 16' W 6.93c
N 07E 10' W 4.87c
N 36E 12' E 5.31c
S 77E 59' E 4.68c
N 72E 17' E 13.38c
N 64E 01' E 8.25c
N 83E 02' E 10.35c
N 63 57' E 11.08c
N 27E 46' E 7.23c
N 18E 14' W 2.59c
N 32E 33' W 10.33c
N 07E 33' E 8.22c
N 51E 20' E 2.62c
N 72E 23' E 3.86c
N 59E 09' E 2.11c
N 50E 45' E 2.23c
N 23E 50' E 2.50c
N 22E 14' E 2.74c
N 86E 30' E 3.95c
N 58E 15' E 1.89c
N 42E 19' E 3.08c

N 25E 38' E 1.83c
N 21E 37' E 3.41c
N 10E 13' W 2.39c
N 11E 46' E 2.97c
N 50E 36' E 4.30c
N 35E 08' E 6.74c
N 61E 59' E 4.08c
N 70E 41' E 4.21c
N 56E 54' E 3.36c
N 73E 28' E 3.65c
N 66E 17' E 2.39c
N 30E 49' E 1.70c
N 12E 51' E 3.29c
N 06E 59' E 3.29c
N 35E 36' E 7.92c
N 15E 03' W 2.29c
N 17E 58' W 2.76c
N 01E 31' E 7.77c
N 78E 51' E 4.94c
N 50E 05' E 2.27c

N 63E 13' E 3.18c to a corner on the boundary of Oil and Gas Lease WVES 46120,
thence leaving the boundary of Oil and Gas Lease WVES 46121 and with the boundary of Oil
and Gas Lease WVES 46120

N 33E 37' E 1.47c
N 00E 29' W 7.41c
N 25E 02' E 13.75c
N 29E 15' E 18.54c
S 71E 57' E 4.74c
S 69E 34' E 7.25c
S 52E 39' E 2.36c
N 89E 33' E 3.55c
N 54E 13' E 3.70c
N 34E 43' E 4.68c
N 39E 57' E 3.18c
N 22E 21' E 4.17c
N 38E 42' E 7.02c

N 60E 52' E 3.38c

N 52E 01' e 3.86c

N 68E 22' E 3.76c

N 38E 49' E 0.98c to the point of beginning, containing approximately 1906.608 acres as shown on the map attached hereto and made a part hereof.

1,906.608 Acres

\$2,860.50 Rental

Subject to Special Notification No. 1, Stipulation No. 2, Stipulation No. 8, Special Notification No. 21 (Big Run (of North Fork South Branch Potomac)), Special Notification No. 22 (approx 90 ac.), Special Notification No. 23 (approx. 1870 ac.), and Interim Notification 24

ES-032-12/99 WVES 50549 ACQ

West Virginia, Randolph County, Monongahela N.F.

A portion of Tract 38b and Tracts 1345, 911b and 37 in their entireties.

Beginning at Corner 27 of US Tract 38b, a point in the western boundary of Oil and Gas Lease WVES 46121; thence with the outside boundary of Tract 38b;

N 40E 50' W 67.06c to Corner 28 of Tract 38b; common corner to Corner 16 of US Tract 911b and thence with the outside boundary of Tract 911b

S 60E 49; W 4.424 to Corner 15a

S 61E 07' W 19.927c to Corner 15, thence with the meanders of Beverly-Circleville Rd.

N 34E 36' W 3.673c to Corner 14

N 35E 52' W 15.215c to Corner 13

N 66E 54' W 9.763c to Corner 12

N 18E 19' W 8.787c to Corner 11

N 40E 09' W 7.769c to Corner 10

N 27E 44' W 20.222c to Corner 9

N 62E 33' W 12.586c to Corner 8, thence leaving the Beverly-Circleville Rd.

N 29E 34' E 3.031c to Corner 7

N 53E 25' W 1.865c to Corner 6, a point in the eastern boundary of Route 40; thence with the meanders of Route 40

N 38E 36' E 12.688c to Corner 5

N 71E 21' E 5.550c to Corner 4

N 41E 51' E 17.103c to Corner 3 of Tract 911b, common corner of Corner 1 of US Tract 1345 and thence with the outside boundary of Tract 1345 continuing along

Route 40

N 36E 34' E 82.7 feet

N 34E 14' E 244.6 feet

N 29E 24' E 334.7 feet

N 33E 40' E 225.9 feet

N 22E 47' E 108.8 feet

N 10E 55' E 119.9 feet
 N 06E 34' E 119.7 feet
 N 24E 56' E 78.7 feet
 N 46E 15' E 78.3 feet
 N 72E 05' E 53.6 feet
 S 78E 33' E 62.6 feet
 S 70E 01' E 284.5 feet
 S 65E 18' E 161.4 feet
 S 58E 52' E 72.1 feet
 S 50E 17' E 69.9 feet
 S 43E 49' E 102.5 feet
 S 55E 07' E 85.6 feet
 S 71E 38' E 88.9 feet
 S 84E 54' E 133.0 feet
 N 86E 45' E 243.2 feet
 S 88E 34' E 87.3 feet
 S 74E 31' E 62.1 feet
 S 60E 32' E 66.3 feet
 S 54E 17' E 104.9 feet to Corner 2; thence leaving Route 40
 S 39E 53' E 213.9 feet to Corner 3
 N 4E 56' E 437.8 feet to Corner 4, a point in the boundary of US Tract 37;
 thence with the boundary of Tract 37
 N 61E 13' W 165.6 feet to Corner 2 of Tract 37
 N 49E 18' E 12.45c to Corner 3
 N 09E 08' E 12.53c to Corner 4
 N 40E 33' E 38.31c to Corner 5
 S 89E 16' E 17.89c to Corner 6
 N 41E 16' E 18.28c to Corner 7
 S 47E 49' E 8.64c to Corner 8
 N 83E 04' E 5.71c to Corner 9
 N 46E 31' E 6.39c to Corner 10, a point in the boundary of US Tract 38b between
 Corners 31 and 32; thence
 S 56E 03' E 45.19c to Corner 11 of Tract 37 common corner to Corner 31 of
 Tract 38b; a point in the southern boundary of Oil and Gas Lease WVES 46120, also

the northwestern corner of Oil and Gas Lease WVES 46121 and thence with the boundary of WVES 46121

S 21E 05' W 187.32c to Corner 27 of Tract 38b, the point of beginning containing approximately 1835.553 acres as shown on the map attached hereto and made a part hereof.

1,8553 Acres

\$2,754.00 Rental

Subject to Special Notification No. 1, Stipulation No. 13, Special Notification No. 21 (Warner Run, Devers Run, Narrow Ridge Run, Grants Branch, and Switchback Hollow), Special Notification No. 22 (approx. 720 ac.), and Interim Notification No. 24.

ES-033-12/99 WVES 50550 ACQ

West Virginia, Tucker County, Monongahela N.F.

Tract 18;

Tract 155a;

Part of Tract 261 described as:

Beginning at Corner 23 of US Tract 261,

thence S 25E 33' E, at 8.11 chains crossing a spur ridge, at 18.61 chains crossing Deerlick Run, in all 34.61 chains to Corner 24,

thence S 22E 10' E, 4.02 chains to Corner 25, on top of a ridge,

thence S 79E 17' W 7.89 chains to Corner 26, on top of a ridge,

thence S 08E 15' W 8.10 chains to Corner 27,

thence S 08E 58' W, at 0.90 chains distant crossing Upland Run, at 5.40 chains crossing a spur ridge, in all 11.20 chains to Corner 28,

thence S 09E 38' W at 3.90 chains crossing a spur ridge, at 6.75 chains crossing a drain, in all 10.32 chains to Corner 29,

thence S 09E 13' W, at 4.75 chains crossing a ridge, at 9.15 chains crossing a hollow, in all 13.76 chains to Corner 30,

thence N 79E 15' W 5.70 chains to Corner 31,

thence S 09E 15' W 4.14 chains to Corner 32,

thence N 73E 09' W 15.21 chains to Corner 33,

thence S 68E 54' W at 10.90 chains crossing a ridge, in all 20.35 chains to Corner 34,

thence S 18E 35' W 20.25 chains to Corner 35,

thence N 83E 11' W 14.99 chains to Corner 36,

thence N 37E 50' W 8.50 chains to Corner 37,

thence N 20E 26' E, at 3.85 chains crossing Smokey Hollow Road, in all 18.89 chains to Corner 38,

thence in a northeasterly direction from Corner 38 to Corner 23, the place of beginning containing 343.135 acres.

1,188.585 Acres

\$1,783.50 Rental

Subject to Special Notification No. 1, Special Notification No. 21 (Sugarcamp Run), and Interim Notification No. 24

STANDARD STIPULATIONS

The lessee is notified and agrees:

All work and any operations authorized under this lease shall be done according to an approved operating plan on file with the Forest Supervisor at USDA Forest Service, 200 Sycamore St., Elkins, WV 26241. Plans generally require a minimum of 45 days for Forest Service to review. The Bureau of Land Management must also review and also approve.

Operating plan will contain information the Forest Officer determines reasonable for assessment of (1) public safety, (2) environmental damage, and (3) protection for surface resources. Content of such plans will vary according to location and type of activity and may contain:

1. Steps taken to provide public safety.
2. Location and extent of areas to be occupied during operations.
3. Operation methods including size and type of equipment.
4. Capacity, character, standards of construction and size of all structures and facilities to be built.
5. Location and size of areas where vegetation will be destroyed or soil laid bare.
6. Steps taken to prevent and control soil erosion.
7. Steps taken to prevent water pollution.
8. Character, amount, and time of use of explosives or fire, including safety precautions during their use.
9. Program proposed for rehabilitation and revegetation of disturbed land.

Copies of all permits obtained from State or Federal agencies pertaining to work might be required. Archeological studies, if required, will accompany plan.

The Forest Supervisor or his/her designated agent has authority to temporarily suspend or modify operations in whole or in part due to emergency forest conditions such as high fire danger or other unsafe situations.

The lessee must keep the District Ranger informed about progress of operations to the extent reasonably necessary for assuring public safety. This is especially important with geophysical inventory and testing activities because of their mobile nature. The lessee will alert the District Ranger to circumstances which may affect safe and efficient conduct of work activities.

Terms of this lease are considered violated if not done according to these stipulations.

OIL AND GAS LEASE STIPULATIONS / NOTIFICATIONS

The notifications and stipulations that follow implement the oil and gas Leasing and Development Decision (September 30, 1991), and the resulting Monongahela N.F Plan Amendment (#4).

Not every Forest Plan standard guideline that applies to gas leasing and development is listed as a lease stipulation or notification. Only those that delay operations on a leasehold for more than 60 days, or affect an area larger than 20 acres (contiguous) are listed, except for special notification #1 which serves as a general notice to lessee's regarding any operations within the Forest.

SPECIAL NOTIFICATION NO. 1

Operations under this lease will be consistent with the standards and guidelines found in the Monongahela National Forest Land and Resource Management Plan (1986) (Forest Plan), as amended, and are hereby incorporated into this lease in its entirety. Forest Plan standards and guidelines include restrictions on location, timing and methodology of oil and gas lease operations, and requirements for special surveys that provide for protection of National Forest land and resources. A copy of the Monongahela National Forest Land and Resource Management Plan is available for inspection from:

USDA, Forest Service
200 Sycamore Street
Elkins, West Virginia 26241

STIPULATION No. 2

The area shown on the attached map is designated Management Prescription 6.2 to be managed as a semi-primitive area without motorized uses. No Surface Occupancy or use will be permitted in Management Prescription 6.2 areas to protect the primary semi-primitive, non-motorized recreation objective for these areas.

STIPULATION NO. 4

The area shown on the attached map is within a site dedicated to Forest Service of it's permittees' administrative facilities, and no surface occupancy or use will be permitted.

STIPULATION NO. 6

Lands within the lease area are known to contain significant cultural resource sites, and the site will be avoided (no surface disturbance permitted), or other steps must be taken to mitigate the activities' effects.

STIPULATION NO. 8

The area shown on the attached map contains wetlands, and no well sites will be permitted within a wetland or its filterstrip. Pipelines and roads will not generally be permitted within a wetland. If a wetland can not be avoided, pipeline and road construction may be allowed as long as the subsurface drainage patterns can be preserved and

maintained. Any pipeline or road that would cross a wetland should cross in a way that minimizes total disturbance to the wetland. Any wetland habitat destroyed will be replaced or another wetland enhanced by an equal or greater amount of wetland.

STIPULATION NO. 9

The area shown on the attached map is included in a municipal watershed. No gas well sites or pipelines will be permitted within the topographic boundaries of municipal watersheds.

STIPULATION NO. 11

The area shown on the attached map is dedicated to developed recreation. The following applies:

- No well sites will be permitted within or closer than 300 feet of the boundary of developed recreation sites.
- No new road construction will be permitted. Use of existing roads through developed recreation sites for routine and emergency maintenance of gas developments will be permitted at all times, but use of the road by construction and gas drilling and development traffic and vehicles will not be permitted during the primary recreation use season, approximately _____ to _____.
- No gas pipelines will be permitted within developed recreation areas.
- In order to mitigate potential safety hazards and user conflicts, no construction or gas drilling activities will be permitted within 500 feet of developed recreation areas during the season of use, approximately _____ to _____. Routine and emergency maintenance of gas developments will be permitted at any time.

STIPULATION NO. 13

The area shown on the attached map is located within the Grouse Management area which is dedicated to the management of ruffed grouse for game. No well drilling or construction will be permitted during grouse hunting season, approximately mid-October through February.

STIPULATION NO. 19

Lands (approximately _____ acres) within the lease area include special management zoological areas (Management Prescription 8) because they contain caves used by Federally listed endangered bats. No surface occupancy or use will be permitted within 200 feet of cave entrances or passages occupied by the Indiana or Virginia big eared bats. Construction and drilling activities will not be permitted within 1/4 mile of these caves when they are occupied by the endangered bats, approximately from _____ to _____ for winter hibernaculums, and from _____ to _____ for summer maternity sites.

INTERIM STIPULATION NO. 20

The area shown on the attached map is within 1/4 mile of a Nationwide Rivers Inventory (NRI) river, and no surface occupancy or disturbance will be permitted until such time that river studies are completed, and management direction is determined.

SPECIAL NOTIFICATION NO. 21

The streams listed contain important cold water fisheries. The following will apply to filterstrips of perennial trout streams (stocked and native) during the period of October 1, to June 1:

- 1) Any earth disturbing activity exceeding 2 consecutive days from Oct. 1 to June 1 will only be initiated after consultation with a fisheries biologist.
- 2) Any earth disturbing activity permitted during this period will employ additional erosion control measures such as 1 ½ inches of mulch applied concurrently with the activity.

SPECIAL NOTIFICATION NO. 22

Lands (approximately ____ acres) within the leased area include known Virginia flying squirrel (Federally listed endangered species) occupied habitat. Consultation with the U.S. Fish and Wildlife Service is required prior to approval of operations within occupied habitat, with protection measures developed through consultation.

SPECIAL NOTIFICATION NO. 23

Lands (approximately _____ acres) within the lease area are being managed for wildlife species requiring remote habitat conditions (Management Prescription 6.1). Between April 15 and August 15 only one gas well will be permitted for drilling, testing, and completion at one time within 10,000 acre area whose center is defined by the well being drilled. Well drilling operations on this area could therefore be delayed up to a maximum of 4 months. In addition, other conditions of occupancy and use that apply to this area result in more restrictive controls than routine areas.

INTERIM NOTIFICATION No. 24

Early in 2000, the Monongahela National Forest expects to enter into formal consultation with the U.S. Fish and Wildlife Service regarding forest management activities' impacts on threatened and endangered species. Approval of proposals to develop this lease may be delayed for several years or until formal consultation has been completed.

*MAPS FOR THE MONONGAHELA N.F. PARCELS WILL
BE AVAILABLE AT THE SALE SITE.*