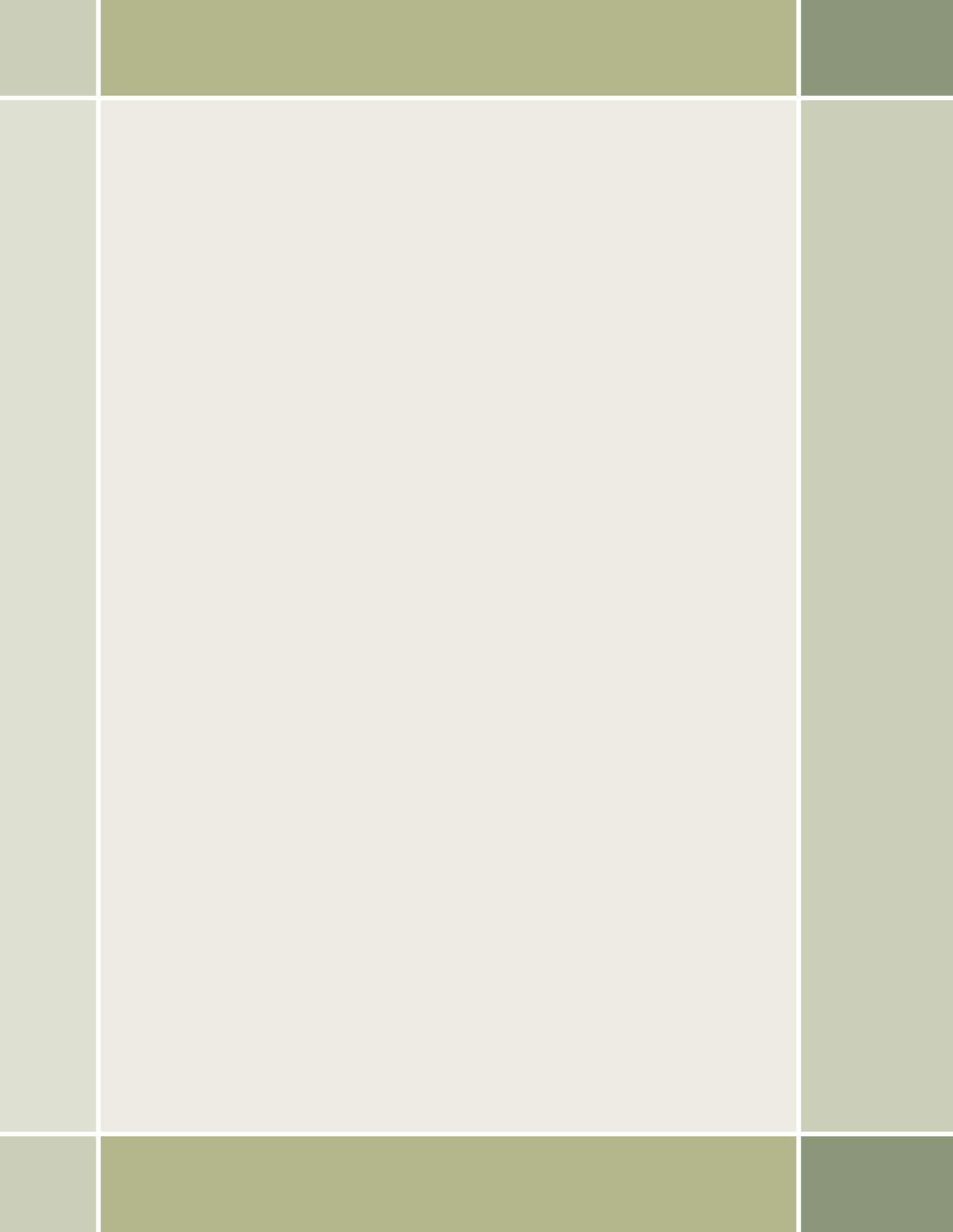


Appendix 2 – Forms and Formats for Required Information

Application for Permit to Drill or Reenter (APD), . . .	Form 3160-3	59-60
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Form 3160-3
(April 2004)FORM APPROVED
OMB No. 1064-0137
Expires March 31, 2007UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No.
1b. Type of Well: <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit or CA Agreement, Name and No.
3a. Address		8. Lease Name and Well No.
3b. Phone No. (include area code)		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface At proposed prod. zone		10. Field and Pool, or Exploratory
14. Distance in miles and direction from nearest town or post office*		11. Sec., T. R. M. or Blk. and Survey or Area
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of acres in lease	12. County or Parish
17. Spacing Unit dedicated to this well	13. State	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. on file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature	Name (Printed/Typed)	Date
Title		
Approved by (Signature)	Name (Printed/Typed)	Date
Title		
Office		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

NOTICE

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 1 hour per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer, (WO-630) MS 401 LS, 1849 C Street, NW., Washington, D.C. 20240.

The Paperwork Reduction Act of 1995 requires us to inform you that:

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases.

This information will be used to analyze and approve applications.

Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease.

Sample Format for Notice of Staking

(Not to be used in place of Application for Permit to Drill Form 3160-3)

1. Oil Well _____ Gas Well _____ Other (Specify) _____	
2. Name, Address, and Telephone of Operator	
3. Name and Telephone of Specific Contact Person	
4. Surface Location of Well Attach: (a) Sketch showing road entry onto pad, pad dimensions, and reserve pit (b) Topographical or other acceptable map showing location, access road, and lease boundaries	
4a. A map (e.g., a USGS 7-1/2" Quadrangle) of the area including the proposed well location and access road	
5. Lease Number	11. Section, Township, Range, Meridian; or Block and Survey; or Area
6. If Indian, Allottee or Tribe Name	
7. Unit Agreement Name	12. County, Parish, or Borough
8. Well Name and Number	13. State
9. American Petroleum Institute Well Number (if available)	14. Name and Depth of Formation Objective(s)
10. Field Name or Wildcat	15. Estimated Well Depth
16. For directional or horizontal wells, anticipated bottom hole location, if known	
17. Additional Information (as appropriate; include surface owner's name, address and, if known, telephone).	

18. Signed _____ Title _____ Date _____

Note: When the Bureau of Land Management or Forest Service, as appropriate, receives this Notice, the agency will schedule the date of the onsite inspection. You must stake the location and flag the access road before the onsite inspection. Operators should consider the following before the onsite inspection and incorporate these considerations into the Notice of Staking Option, as appropriate:

- (a) H₂S Potential
- (b) Cultural Resources (Archeology)
- (c) Federal Right-of-Way or Special Use Permit

Instructions for Preparing the Notice of Staking (NOS)

General:

This provides notice to the Bureau of Land Management (BLM) that staking has been or will be completed for well locations on Federal or Indian leases and serves as a request to schedule an onsite inspection.

The original and one copy of this notice, together with a map and sketch, should be submitted to the appropriate BLM office.

Any item not completed may be justification for not promptly scheduling the onsite inspection.

Specific Considerations:

Items included herein should be reviewed and evaluated thoroughly prior to the onsite. These items affect placement of location, road, and facilities. Failure to be prepared with complete, accurate information at the onsite may necessitate later re-evaluation of the site and an additional onsite inspection.

- a. H₂S Potential: Prevailing winds, escape routes, and placement of living quarters must be considered.
- b. Cultural Resources: Archeological surveys, if required, should be done prior to, during, or immediately following the onsite. Changes in location due to subsequent archeological findings may require an additional onsite. Contact the involved surface management agency for detailed, site-specific requirements.
- c. Federal Right-of-Way or Special Use Permit: Access roads outside the leasehold boundary, which cross Federal lands, will require a right-of-way grant or special use permit and should be discussed with the BLM or other involved surface management agencies at the time of filing the Notice of Staking.

Supplemental Checklist:

The following items, if applicable, should be submitted with or prior to the Application For Permit to Drill (APD) to ensure timely approval of the application. Contact the BLM regarding specific requirements relating to each item.

- Bonding
- Designation of Operator
- Report of Cultural Resources/Archeology
- H₂S Contingency Plan
- Status of Plan of Development and Designation of Agent for wells in Federal units
- Federal Right-of-Way (BLM) or Special Use Permit (Forest Service)

Timetable:

A future date for onsite inspection will be scheduled by the BLM within 10 days after receipt of this notice. Surface protection and rehabilitation requirements will be made known to the operator by the BLM during the onsite or no later than 7 days from the date of inspection, barring unusual circumstances. These requirements are to be incorporated into the complete APD. However, this does not exclude the possibility of additional conditions of approval being imposed.

Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Serial No.
2. Name of Operator	6. If Indian, Allottee or Tribe Name
3a. Address	7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	9. API Well No.
	10. Field and Pool, or Exploratory Area
	11. County or Parish, State

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

14. Thereby certify that the foregoing is true and correct
Name (Printed/Typed)

Title

Signature

Date

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this

form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13 - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or

present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

This information is being collected to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer, (WO-630), Mail Stop 401 LS, 1849 C St., N.W., Washington D.C. 20240

Sample Format for Spill Report

To: (Appropriate BLM or FS Office)

From: (Oil & Gas Operator)

Subject: Report of Undesirable Event (NTL-3A; CDM 642.3.36)

Date of Occurrence: _____ Time of Occurrence: _____ a.m./p.m.

Date Reported to BLM: _____ Time Reported to BLM: _____ a.m./p.m.

Date Reported to FS: _____ Time Reported to FS: _____ a.m./p.m.

Other Federal, State, and Local Government Agencies Notified and Date(s) _____

Location: State _____ County _____

_____ 1/4 _____ 1/4 Section _____ T. _____ , R. _____ ; _____ Meridian

Operator: _____

Surface Ownership [Federal (FS, BLM, Other), Indian, Fee, State]: _____

Lease Number: _____ Unit Name or C.A. Number _____

Type of Event: Blowout, Fire, Fatality, Injury, Property Damage, Oil Spill, Saltwater Spill,
Toxic Fluid Spill, Oil and Saltwater Spill, Oil and Toxic Fluid Spill,
Saltwater and Toxic Fluid Spill, Gas Venting, or Other (Specify)

Cause of Event: _____

Volumes of Pollutants I. Discharged or Consumed: _____

II. Recovered: _____

Time Required to Control Event (in hours): _____

Action Taken to Control Event, Description of Resultant Damage, Clean-up Procedures,
and Dates: _____

Cause and Extent of Personnel Injury: _____

Sensitive Areas or Surface Waters Potentially Affected: _____

Action Taken or Planned to Clean Up and Prevent Recurrence: _____

General Remarks: _____

Signature _____ **Date** _____**Title** _____

FOR BLM OR FS USE ONLY

District _____ Date Reported to BLM or FS _____

Optional _____ Event Classification _____

Date of Onsite Inspection _____ Remarks _____

Operators are encouraged to substitute less toxic, yet equally effective products for conventional drilling products. All spills or leakages of oil, gas, salt water, toxic liquids or waste materials, blowouts, fires, personal injuries, and fatalities shall be reported by the operator to the BLM and the surface management agency in accordance with the requirements of *Notice to Lessees NTL-3A*; *Reporting of Undesirable Events*, and in accordance with any applicable local requirements.

The BLM requires immediate reporting of all Class I major events, such as spills of more than 100 barrels of fluid/500 MCF of gas released; fires that consume 100 bbl or more oil or 500 MCF gas; life threatening or fatal injury/loss of well control; release of reportable quantities of hazardous substances; spill, venting, or fire in sensitive areas, such as parks, recreation sites, wildlife refuges, lakes, reservoirs, streams, and urban or suburban areas. Volumes discharged during any of the above incidents will be estimated as necessary. Operators must take immediate action to prevent and control spills and the BLM, the surface management agency, and other applicable regulatory authorities must be consulted prior to treating or disposing of wastes and spills. Operators should become familiar with local surface management agency requirements for reporting and managing spills and leaks.

Form 3160-4
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMBNO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No.	
b. Type of Completion: <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator		7. Unit or CA Agreement Name and No.	
3. Address		8. Lease Name and Well No.	
3a. Phone No. (include area code)		9. AFI Well No.	
4. Location of Well (Report location clearly and in accordance with Federal requirements)*		10. Field and Pool, or Exploratory	
At surface		11. Sec., T., R., M., on Block and Survey or Area	
At top prod. interval reported below		12. County or Parish 13. State	
At total depth		17. Elevations (DF, RKB, RT, GL)*	
14. Date Spudded	15. Date T.D. Reached	16. Date Completed <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod.	
18. Total Depth: MD TVD	19. Plug Back T.D.: MD TVD	20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)		22. Was well cored? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)	

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)						
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Cor. API	Gas Gravity	Production Method
			→						
Choke Size	Thg. Press. Flwg. SI	Cvg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Cor. API	Gas Gravity	Production Method
			→						
Choke Size	Thg. Press. Flwg. SI	Cvg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Thg. Press. Flwg. SI	Cog. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Thg. Press. Flwg. SI	Cog. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) _____ Title _____

Signature _____ Date _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

INSTRUCTIONS

GENERAL: This form is designed for submitting a complete and correct well completion/recompletion report and log on all types of wells on Federal and Indian leases to a Federal agency, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal office.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, and all types electric), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal laws and regulations. All attachments should be listed on this form, see item 33.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal office for specific instructions.

ITEM 17: Indicate which reported elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

ITEM 23: Show how reported top(s) of cement were determined, i.e. circulated (CIR), or calculated (CAL), or cement bond log (CBL), or temperature survey (TS).

PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48 (d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. et seq.; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is to be used to evaluate the actual operations performed in the drilling, completing and testing of a well on a Federal or Indian lease.

ROUTINE USES: (1) Evaluate the equipment and procedures used during the drilling and completing/recompleting of a well. (2) The review of geologic zones and formation encountered during drilling. (3) Analyze future applications to drill in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this report and disclosure of the information is mandatory once a well drilled on a Federal or Indian lease is completed/recompleted.

The Paperwork Reduction Act of 1995 requires us to inform you that:

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling and completing/recompleting wells on Federal and Indian oil and gas leases.

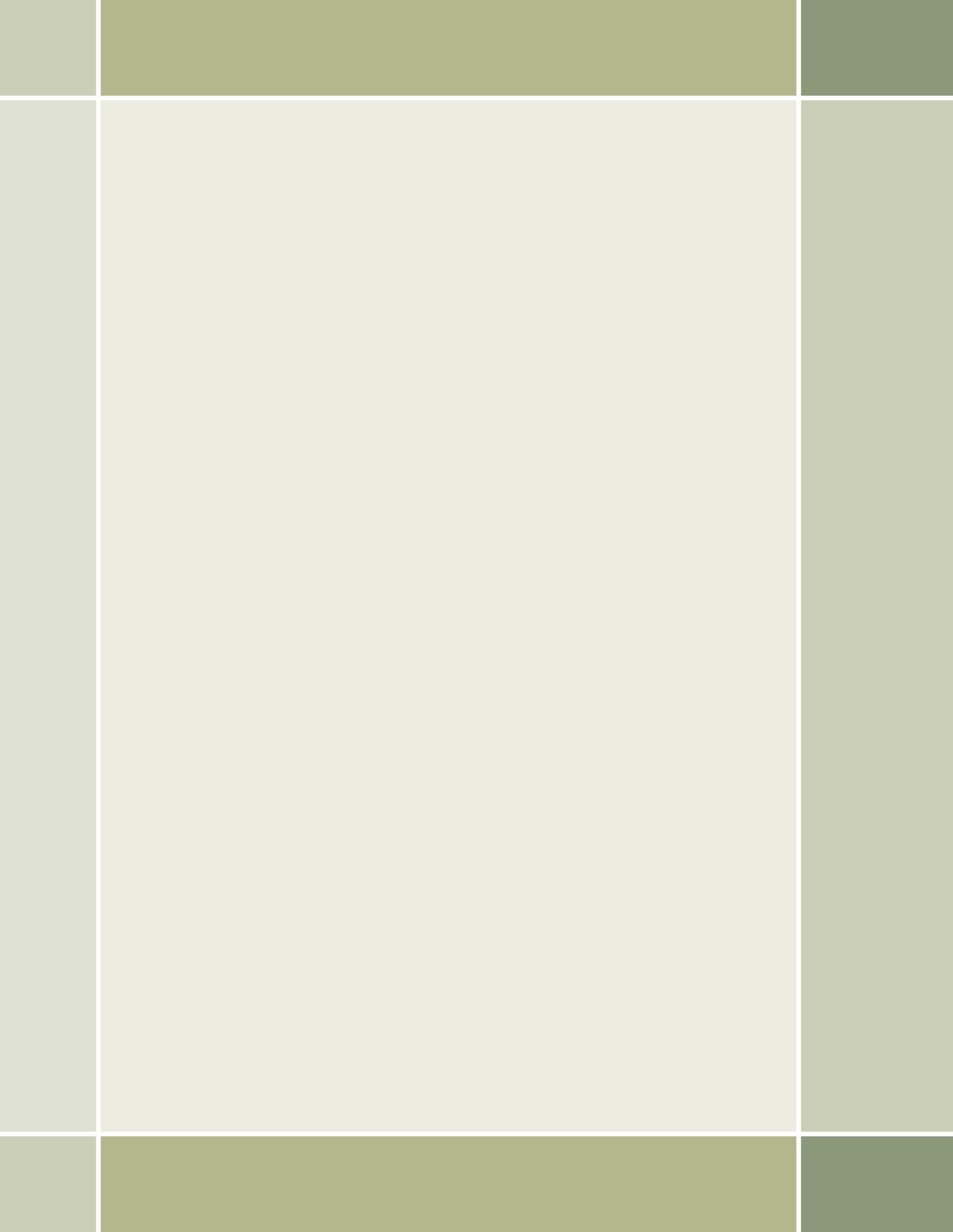
This information will be used to analyze operations and to compare equipment and procedures actually used with those proposed and approved.

Response to this request is mandatory only if the operator elects to initiate drilling and completing/recompleting operations on an oil and gas lease.

BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 60 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer, (WO-630), MS 401 LS, 1849 C Street, N.W., Washington, D.C. 20240.



BLM Form 3150-4
FS Form 2800-16
(June 2003)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FORM APPROVED
OMB NO. 1004-0162
Expires: December 31, 2005

**NOTICE OF INTENT AND AUTHORIZATION TO CONDUCT
OIL AND GAS GEOPHYSICAL EXPLORATION OPERATIONS**

NOI Case File No.

Lessee or Operator		Project Name	
Address		Do you have a bond on file with the Agency? <input type="checkbox"/> Yes <input type="checkbox"/> No	
City	State	Which Agency? <input type="checkbox"/> BLM <input type="checkbox"/> Forest Service	
Zip Code	Phone No. (Include area code)	Bond No.	Bond Amount: \$
E-Mail Address			

Geophysical Co.		Geophysical Co. Representative	
Address		Address	
City	State	City	State
Zip Code	Phone No. (Include area code)	Zip Code	Phone No. (Include area code)
E-Mail Address		Cellular Phone No. (Include area code)	

Local Rep./Party Chief

1. Legal Description: Give the legal and land description of the lands involved using Meridian, Township, Range, and Section(s), or metes and bounds as appropriate:

You must also submit a map with a minimum scale of one-half inch per mile showing the general area and project location. We recommend a 7 1/2-minute USGS quadrangle or the scale commonly used in the area. For seismic operations, your maps should include source and receiver lines, surface ownership, and any Federal lands under lease. When survey lines are along property boundaries between Federal and private lands, indicate which side of the line you will use.

2. Do you hold any Federal leases within the project area? Yes No (If yes, indicate location and lease numbers on an attached map.) Note: There is no fee for operations on your Federal lease.

3. If you are proposing seismic exploration, how many miles of source line (2-D), or acres (3-D) (to the nearest 10 acres) of survey are on:

a. Your Federal Lease _____ b. Other Federal lands _____

4. When do you expect to start exploration? _____ How long will the project last? _____ days.

Describe any of your critical time frames associated with the proposed project, such as equipment or contractor availability.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any Department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on reverse)

Description and Type of Operations (*check all that apply*):

a. Survey Type: 2-D 3-D Gravity/Magnetic Other (*explain*): _____

Describe the survey type:

b. Survey Method: Surface charge Shothole Vibroseis Other (*explain*): _____

What type and amount of explosives per source point will you use? _____

What shotpoint pattern and spacing will you use? _____ What will be the shothole depth? _____

Did you attach or display a diagram of the shotpoint pattern on the project map? Yes No

Describe the survey method:

c. Transport Method: Vibrator Trucks Pick-up Truck Buggy/ATV Backpack Helicopter

Describe your transportation plans, including types and numbers of vehicles and how you will access the project area:

d. Operating Procedures: Describe your operating procedures, including how you will minimize surface impacts. Describe support facilities you need, such as helispots, camps, or powder magazines; construction of roads or trails; proposed plugging procedures for shotholes; and general clean-up procedures.

(Printed name of authorized company representative)

(Authorized company representative signs here to indicate this application is complete)

(Date)

Continued on next page

Terms and Conditions

1. The Bureau of Land Management or Forest Service (Agency) must approve any surface disturbing activities in addition to those approved in this NOI, such as route changes, placement of magazines, towing with a tractor, blading, dozing, snow removal, and vegetation removal. I will notify the Agency in writing of any changes in the original proposal and have Agency approval in writing for the changes before proceeding with them. Stacking sourcepoints to avoid sensitive resources or areas does not require prior Agency approval.
2. This NOI expires on _____, unless the Agency extends it in writing before that date.
3. I understand that this NOI does not grant any exclusive right to the described lands for geophysical exploration, or other purposes. The land area described above is at all times subject to any other lawful uses by the United States, its lessees, permittees, licensees, and assigns.
4. I will notify the Agency at least _____ days, but no more than _____, prior to initiating the project and entering upon the public lands.
5. In the field each seismic crew must have with it a copy of the approved NOI and its terms and conditions.
6. The Agency may suspend or terminate this NOI if there is a violation of any of its conditions.
7. I will suspend operations when the operations may unnecessarily damage the surface, such as when rutting would occur due to wet soil conditions.
8. I will indemnify the United States for any liability for damage to life or property resulting from the occupancy or use of public lands under the NOI.

9. I will take all reasonable precautions to prevent and suppress fires. The Agency may specify in writing the fire prevention and firefighting equipment I need. At my expense, I will extinguish all fires set or caused as a result of operations under this NOI and will report all fires to the Agency.
10. I will diligently protect from unnecessary damage United States land and property covered by this NOI. I will pay the United States for any damage resulting from my or my agents' or employees' violation of the terms of this NOI or any law or regulation applicable to the lands involved.
11. I will store and handle powder magazines and explosives according to U.S. Bureau of Alcohol, Tobacco and Firearms standards (see 27 CFR Part 55). I will properly secure loaded shotholes.
12. I will complete shothole plugging under Agency guidelines and the guidelines of any other local, Federal or State regulatory authority.
13. I will remove all materials and equipment I placed on the premises and restore the site to the Agency's satisfaction immediately after I complete the project unless the Agency approves other arrangements.
14. I will file a Notice of Completion Form within 30 days after completing operations and reclamation. If the location of the project is different from that in the approved NOI, I will submit a revised map with the NOC (1:24,000 scale, where available), including source points.
15. I will pay to the United States \$ _____ per _____, according to the Agency's regulations.
16. This geophysical exploration project is subject to the attached Conditions of Approval _____ through _____ and Exhibits _____.

WARNING: If you purposely give false or misleading information, you may be fined \$10,000, sent to prison, or both (see Title 18 U.S.C. 1001 statement on page 1).

I agree that I and my agents will conduct the geophysical exploration under all Federal, State and local laws, and applicable regulations and will comply with this NOI and any attached terms and conditions.

(Printed Name of Authorized Company Representative)

(Signature of Authorized Company Representative)

(Date)

(Printed Name of Agency Signing Officer)

(Signature of Agency Signing Officer)

(Title of Agency Signing Officer)

(Date)

NOTICE AND PAPERWORK REDUCTION ACT STATEMENT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this Notice of Intent and Authorization to Conduct Oil and Gas Geophysical Exploration Operations.

AUTHORITY: 30 U.S.C. 181 et seq.

PRINCIPAL PURPOSE: We use the information to process your Notice.

ROUTINE USES: (1) The processing of the operator's Notice of Intent and Authorization to Conduct Oil and Gas Geophysical Exploration Operations. (2) To determine that mitigating measures are made to protect the environment. (3) Transfer to appropriate Federal agencies when concurrence is required prior to granting a right in public lands or resources. (4) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION: Disclosure of the information is voluntary. If all the information is not provided, your right to conduct geophysical exploration activities may be revoked.

The Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.) requires us to inform you that:

BLM will collect this information under 43 CFR 3150.

FS will collect this information under 36 CFR 251.15.

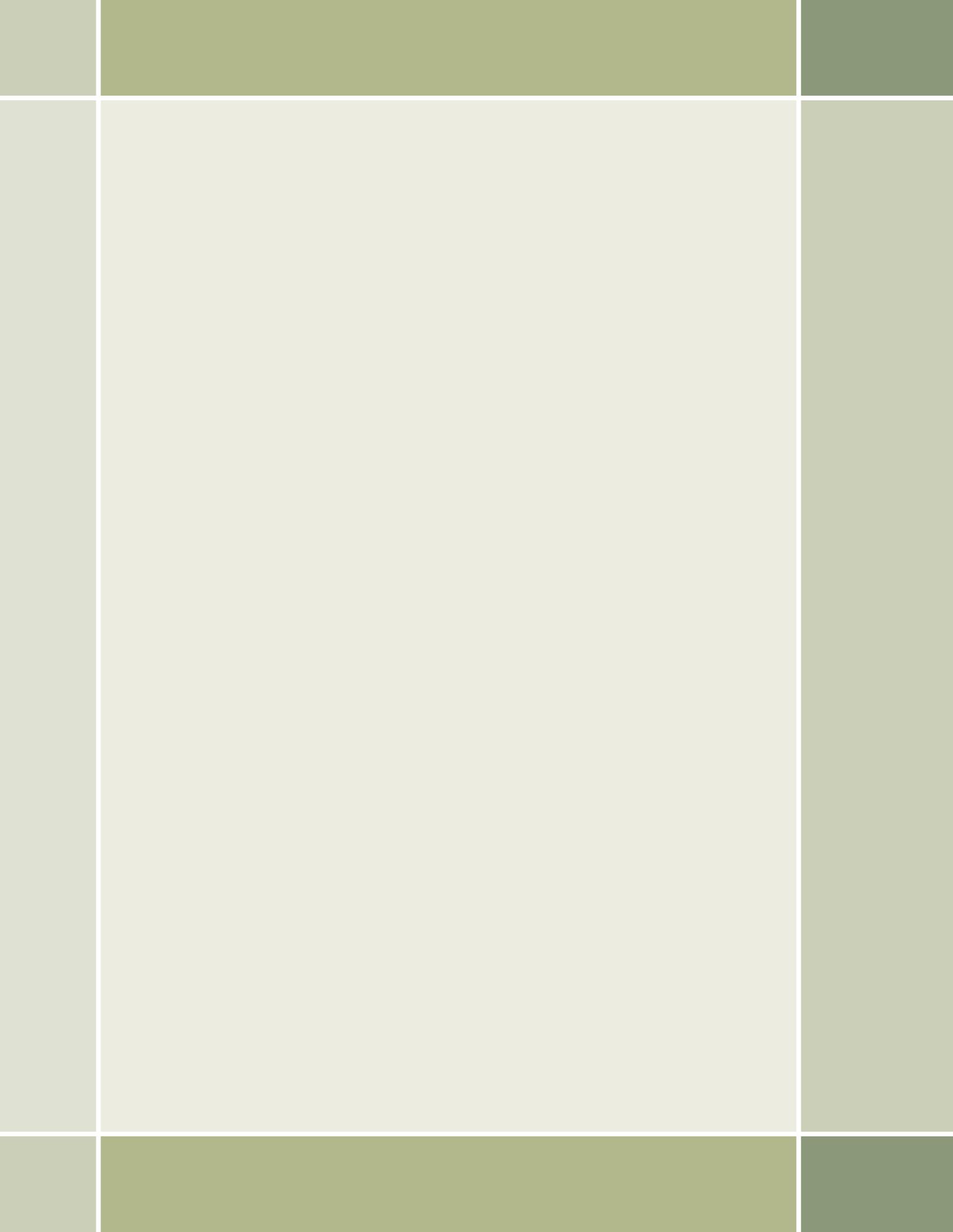
BLM/FS will use this information to process geophysical exploration notices.

No Federal agency may collect or sponsor a collection of information unless it displays a currently valid OMB control number.

Response to this request is required to obtain a benefit.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 1 hour per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing of the form. Direct comments regarding the burden estimate or any other aspect of this form to the U.S. Department of the Interior, Bureau of Land Management (1004-0162), Bureau Information Collection Clearance Officer (WO-630), Mail Stop 401LS, 1849 C Street, N.W., Washington, D.C. 20240.



BLM Form 3150-5
 FS Form 2800-16a
 (February 2005)

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 DEPARTMENT OF AGRICULTURE
 FOREST SERVICE

FORM APPROVED
 OMB NO. 1004-0162
 Expires: December 31, 2005

NOI Case File No. _____

**NOTICE OF COMPLETION OF OIL AND GAS
 GEOPHYSICAL EXPLORATION OPERATIONS**

Lessee or Operator		Geophysical Co. Representative	
Address		Address	
City	State	City	State
Zip Code	Phone No. (Include area code)	Zip Code	Phone No. (Include area code)
E-Mail Address		Cellular Phone No. (Include area code)	

1. If different from the Notice of Intent and Authorization to Conduct Oil and Gas Geophysical Exploration Operations (NOI), list the lands that you actually used for geophysical activities. Describe the lands by Meridian, Township, Range, and Section(s), or metes and bounds as appropriate:

2. Miles of source line or acres of survey on: a. Your Lease _____ b. Other Federal lands _____

3. If your operations were different from those proposed in the approved NOI, attach shotpoint or field maps showing actual line locations and access routes. (The map(s) must be a minimum scale of 1:24,000 (7 1/2-minute USGS quadrangle or equivalent.) The maps must indicate public lands you crossed.

4. Describe how you plugged any shotholes.

5. If the Bureau of Land Management (BLM) or the Forest Service (FS) requests it, attach a copy of the "Hole Plugging Log" describing each shothole, including whether holes were wet or dry, the static water level, flowing holes, breached or caved holes, or lost hole locations.

6. Describe any surface disturbance and how you reclaimed it.

I CERTIFY that the oil and gas explorations approved under the NOI were completed on _____ and that the operations complied with all terms and conditions of the approved NOI. (Date)

 (Printed Name of Authorized Company Representative)

 (Signature of Authorized Company Representative)

 (Title of Authorized Company Representative)

 (Date)

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any Department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this Notice of Completion of Oil and Gas Geophysical Exploration Operations.

AUTHORITY: 30 U.S.C. 181 et seq.

PRINCIPAL PURPOSE: We use the information to process your Notice.

ROUTINE USES: (1) To determine that mitigating measures are made to protect the environment. (2) Transfer to appropriate Federal agencies when concurrence is required prior to granting a right in public lands or resources. (3) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION: Disclosure of the information is voluntary. If all the information is not provided, your right to conduct geophysical exploration activities may be revoked.

The Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.) requires us to inform you that:

BLM will collect this information under 43 CFR 3150.

FS will collect this information under 36 CFR 251.15.

BLM/FS will use this information to process geophysical exploration notices.

Response to this request is required to obtain a benefit.

BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 20 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing of the form. Direct comments regarding the burden estimate or any other aspect of this form to the U.S. Department of the Interior, Bureau of Land Management (1004-0162), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401LS, Washington, D.C. 20240.

(BLM Form 3150-5 and FS Form 2800-16a, page 2)







The mention of company names, trade names, or commercial products does not constitute endorsement or recommendation for use by the Federal Government.

