

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014

1a. Type of work: DRILL REENTER		5. Lease Serial No.
1b. Type of Well: Oil Well Gas Well Other Single Zone 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	17. Spacing Unit dedicated to this well
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, must be attached to this form:

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| 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 must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM. |

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.

(Continued on page 2)

*(Instructions on page 2)

APPROVED WITH CONDITIONS
Approval Date: 06/29/2018

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 the 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.

NOTICES

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.

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

The BLM collects this information 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.

The 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 8 hours 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), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

Additional Operator Remarks

Other description

CO2

Location of Well

1. SHL: LOT 13 / 949 FSL / 906 FEL / TWSP: 38N / RANGE: 19W / SECTION: 10 / LAT: 37.56141 / LONG: -108.92479 (TVD: 0 feet, MD: 0 feet)

BHL: LOT 13 / 949 FSL / 906 FEL / TWSP: 38N / RANGE: 19W / SECTION: 10 / LAT: 37.56141 / LONG: -108.92479 (TVD: 8488 feet, MD: 8488 feet)

BLM Point of Contact

Name: Ashley Hitchell

Title: Student Trainee

Phone: 9703851304

Email: ahitchell@blm.gov

Appendix A- Surface COAs (EA and APD Packet Surface Conditions)

NOTIFICATION:

- The BLM Minerals Division Physical Scientist/Natural Resources: (970) 385-1242 shall be notified 5 days prior to the onset of pad/road construction.
- The BLM Minerals Division Physical Scientist/Natural Resources Specialist: (970) 385-1242 shall be notified at least 48 hours prior to commencement of interim and/or final surface reclamation activities.
- NO SURFACE DISTURBANCE shall begin until the Edge of Disturbance Corners and Midline markers of the permitted area have been re-established and are clearly marked.

CONSTRUCTION:

Access

1. Operator shall install an adequately sized culvert, placed where the existing road will turn onto the new access road.
2. Operator shall place an adequately sized culvert, placed at the toe of the Western fill slope, where the access enters the well pad.
3. Operator will install an all-weather surface (gravel cap) to the crown and ditch design of the access road.
4. Operator will install an all-weather surface (gravel cap) to the crown and ditch design of the access road. This surface will consist of a minimum of 12'' of gravel, see BLM Gold Book Standards.
5. Additional stormwater mitigations may be installed as necessary. These stormwater mitigations may consist of silt fencing, straw wattles, river rock, check-dams. See BLM Gold Book Standards for additional guidance.

Pipeline

6. Operator will keep all construction activities within the pre-existing 50' pipeline disturbance (25' on either side of the center line).
7. Within previously disturbed areas, pipeline construction will consist of clearing and stockpiling vegetation as necessary.
8. Soil for surface reclamation will be stored within disturbance to be used immediately after installation.

9. Pipeline will be trenched to 5'-6' deep, depending on operator needs.
10. Pipeline trench will be filled in using on-site material. Replacing topsoil stored for reclamation.
11. Operator will have an archeological monitor present during all pipeline construction activities to avoid cultural resources site 5MT.21477.
12. Mechanical seeding, pursuant to BLM ID Team (landowner approved) native seed mixes and quantities will be utilized.
13. Crimped straw mulch will be used to help hold soils and moisture, after mechanical seeding has taken place.
14. Additional stormwater mitigations may be installed as necessary. These stormwater mitigations may consist of silt fencing, straw wattles, river rock, check-dams. See BLM Gold Book Standards for additional guidance.

Well Pad

15. Operator shall armor the ditch before and after the pad access culvert to prevent erosion.
16. Operator shall install an armored ditch, running between the pad and the topsoil storage area, allowing stormwater to flow into a rock rundown entering a drainage off of corner E'.
17. Operator shall install an armored ditch, running from the West side of the access road entering the pad, rounding the flat pad a corner 3, running along to corner 4, daylighting at a rock rundown where the pad switches from cut to fill between corners 4 and 1.
18. Operator will utilize a closed-loop drilling system. Earthen pits will not be used at any point during drilling, completion, production, or workover of the subject well.
19. Operator will place all liquids used for drilling or completing the well, in secondary containment, capable of handling 125% of the contained liquid volumes.
20. Operator will install tackifiers with an appropriate native seed mix (approved by the BLM ID Team and landowner), on all fill and cut slopes to prevent weed growth, as well as erosion.
21. The topsoil will be stored with a base layer of straw to denote the topsoil horizon. The topsoil will be stored in a height not greater than 3' tall. Additionally, continuous excelsior wattles will surround the stockpile to protect the topsoil from surface water erosion. A sign will be placed at the base of all topsoil storage areas, facing the pad production zone to denote the presence of topsoil.
22. Construction shall cease when surface conditions are such that equipment is creating ruts greater than 4 inches.

23. All ruts, depressions and surface scaring caused during the construction, drilling or production of this project shall be reclaimed by the Operator.
24. All spills will be promptly reported to the BLM pursuant to the requirements of NTL-3A.

Equipment/Drilling Facilities

25. A geotextile material may be used in lieu of bedding materials if it fits with manufacturer instructions for installation of all liners.
26. Spoil dirt shall be used for site leveling as much as possible. The extra spoil dirt will be incorporated in the berms associated with stormwater control for the pad.
27. All flow back tanks used to collect completion and drilling fluids will be manifold together within secondary containment to provide for isolation in the event of tank or line failure.
28. Only fresh water may be used for dust abatement purposes. No produced water or water that has previously been used to test, drill, or complete any part of the wellbore, pipeline, completion or production equipment may be used.
29. Washing equipment used to drill or complete the well, is prohibited on BLM land or any permitted BLM project.
30. During drilling operations, all drilling muds will be mixed and contained in a separate mud tank with liners and secondary containment.
31. All fluid (flow back fluids) used in the completion of the well will be contained in steel frac tanks with 35 mil liners, traction mats, and berms of 125% of contained volumes.
32. Catchment technologies will be utilized on the drain pipes and fittings going to and from all liquid storage tanks on-pad.
33. All produced water will be piped off location during production.
34. All facilities will be painted using BLM approved natural colors for visual resources management.

Interim Reclamation:

35. Operator must reclaim portions of the drilling pad designated for interim reclamation, within 6 months pursuant to the approved APD (see SUPO).
36. Reclamation will require re-contouring of soil, to match surrounding topography, pursuant to the approved APD (see SUPO).
37. Topsoil, stored along the northern cut slope, will be re-distributed on all reclaimed areas, roughened, and prepared for re-seeding.
38. Operator will mechanically drill seed using a BLM ID Team (landowner approved) native seed mix and rate.

39. Operator will use crimped mulch or another appropriate form of tackifier to provide for both soil erosion mitigation, as well as soil moisture storage.
40. Production areas will be graveled pursuant to BLM Gold Book Standards.

Final Reclamation:

41. Operator must contact BLM for a reclamation onsite to assess current pad status and additional reclamation needs.
42. Operator will identify areas of potential contamination. Potential areas include surface staining, production equipment base, production catchment base, pumpjack locations, and glycol skid treatment locations.
43. Confirmation sampling pursuant to COGCC Table 910-1 or current equivalent, will be used as a standard for clean or safe soils.
44. Operator will remove all non-native material (soil and rock) will be removed.
45. Operator will re-contour soil to match surrounding topography, pursuant to the approved APD (see SUPO)
46. Operator will mechanically drill seed using a BLM ID Team (landowner approved) native seed mix and rate.
47. Operator will use crimped mulch or another appropriate form of tackifier to provide for both soil erosion mitigation, as well as soil moisture storage.

Air Quality

48. Operator shall use appropriate quantities of fresh water to control fugitive dust from off-site transport.

Special Status Animal Species

49. Surveys for MBTA species must be conducted if construction takes place between May 15th- June 30th.
50. A Timing Limitation for Golden Eagles (TRFO RMP Appendix H 3.9.2): no surface use from February 1st to July 15th during documented breeding season.

Terrestrial Wildlife

51. All produced liquids and chemicals used for production and completion will be stored in secondary containment devices which are exclusionary to wildlife.
52. If produced water is encountered, Operator may install a glycol skid on location during winter months (November to April) annually.

Soils and Water:

53. Additional stormwater mitigations may be installed as necessary. These stormwater mitigations may consist of silt fencing, straw wattles, river rock, check-dams. See BLM Gold Book Standards for additional guidance.
54. The topsoil will be stored with a base layer of straw to denote the topsoil horizon. The topsoil will be stored in a height not greater than 3' tall. Additionally, continuous excelsior wattles will surround the stockpile to protect the topsoil from surface water erosion. A sign will be placed at the base of all topsoil storage areas, facing the pad production zone to denote the presence of topsoil.
55. Reclamation will require re-contouring of soil, to match surrounding topography, pursuant to the approved APD (see SUPO).
56. All ruts, depressions and surface scarring caused during the construction, drilling or production of this project shall be reclaimed by the Operator.
57. All spills will be promptly reported to the BLM pursuant to the requirements of NTL-3A.