

Black Hills Plateau Production, LLC (BHPP)  
Horseshoe Canyon 3-22  
SHL 2466' FSL 418' FWL (NW/SW)  
BHL 1168' FSL 1099' FWL (SW/SW)  
Sec. 22 T9S R97W  
Mesa, Colorado  
Federal Lease #: COC 12644-A

## **SURFACE USE PLAN**

### **Existing Roads**

- a. See Plats 9 and 10 for a map of existing roads
- b. Roads delineated in orange as “existing road (to be improved)” means blading the road and potentially putting down gravel
- c. No widening of the existing roads will be necessary

### **New or Reconstructed Access Roads**

- a. ± 435 feet of road re-route to be constructed on-lease
- b. Subgrade (running surface) width to be approximately 20', total disturbed width to be approximately 30'
- c. Borrow ditches to be backsloped 3:1 or shallower
- d. Maximum grades will not exceed BLM standards
- e. Surfacing material to consist of native material from the road crown, topsoil to be windrowed during construction and placed in the borrow ditch will be reseeded per
- f. Please see Section 10 of this surface use plan for reclamation plans
- g. No major road cuts are necessary
- h. Fence cuts, cattleguards, and gates will not be required

**Location of Existing Wells Within 1 Mile**

a. See Plat 11 for locations of existing wells within 1 mile

<b>Operator</b>	<b>API #</b>	<b>Well Name</b>	<b>Township</b>	<b>Range</b>	<b>Section</b>	<b>Qtr /Qtr</b>	<b>Status</b>
Black Hills Plateau Production LLC	05-077-08650	Horseshoe Canyon 1-16	9S	97W	16	SWSE	PR
Black Hills Plateau Production LLC	05-077-08456	Horseshoe Canyon 1-21	9S	97W	21	SWSW	PR
Black Hills Plateau Production LLC	05-077-08486	Horseshoe Canyon 4-21	9S	97W	21	SWNE	PR
Black Hills Plateau Production LLC	05-077-08647	Horseshoe Canyon Unit 2-21	9S	97W	21	SESE	PR
Black Hills Plateau Production LLC	05-077-08649	Horseshoe Canyon 1-22	9S	97W	22	SWNW	PR
Black Hills Plateau Production LLC	05-077-08654	Horseshoe Canyon 2-22	9S	97W	22	NWSW	PR
Koch Exploration Company, LLC	05-077-08530	Horseshoe Canyon 2-22	9S	97W	22	SESW	AL
Black Hills Plateau Production LLC	05-077-08554	Federal 22-1	9S	97W	22	NENE	SI
Gordon Engineering, Inc.	05-077-08524	Federal 23-1	9S	97W	23	SWSW	SI
Koch Exploration Company, LLC	05-077-08529	Horseshoe Canyon 4-27	9S	97W	27	SENE	AL
Black Hills Plateau Production LLC	05-077-08427	Horseshoe Canyon C 2-27	9S	97W	27	SESW	PR

Black Hills Plateau Production LLC	05-077-08655	Horseshoe Canyon 3-27	9S	97W	27	NWNW	PR
Black Hills Plateau Production LLC	05-077-08663	Horseshoe Canyon 1-27	9S	97W	27	NWSE	PR
Black Hills Plateau Production LLC	05-077-08383	Horseshoe Canyon 2-28	9S	97W	28	NENE	PR

### Location of Existing and/or Proposed Production Facilities

- See Plat 7 for proposed production facilities layout for this well
- Surface equipment will be painted shale green as agreed to with the BLM
- Dimension size of the proposed facility is approximately 225' x 300'
- This well will be connected to the pipeline currently running through the existing well pad.

### Location and Types of Water Supply

Water will be transported by truck from Latham Ponds under existing permits by the West Divide Water Conservancy.

### Construction Materials

- Construction materials will consist of native materials from borrow ditches and location areas.

### Methods of Handling Waste

- Produced water will be disposed of at a state approved disposal facility.
- Portable toilets will be provided for human waste. The waste will be removed by a licensed provider.
- Drill cuttings will be buried in the reserve pit once it has dried.
- Drilling fluid will be evaporated; what does not evaporate will be hauled away to a state approved disposal facility.
- Garbage will be collected in a totally enclosed trash cage. During drilling and completion operations (as necessary) the trash will be disposed of at an authorized sanitary landfill.

### Ancillary Facilities

No ancillary facilities are necessary.

**Well Site Layout**

- a. See Plats 3 through 7 for cut and fill diagrams as well as rig and production facility layouts.
- b. Reserve pit will be lined with a 16 mil liner.
- c. The pit will be fenced on 3 sides during drilling.

**Plans for Surface Reclamation**

- a. See Plat 8 for proposed interim reclamation layout
- b. Disturbed surfaces will be seeded with a mixture recommended by the BLM.
- c. Topsoil will be removed during initial dirt work to a depth of 6". After well completion, the topsoil will be spread over the area unused during production.
- d. Interim reclamation will begin after the drilling rig has been removed.

**Surface Ownership**

Bureau of Land Management  
Grand Junction Field Office  
2815 H Street  
Grand Junction, CO 81506

**Other Information**

- a. Arcadis G&M, Inc., will submit any archaeological, historical, or cultural information separately.

**Operator's Representative and Certification**

Representative	Jessica Donahue Regulatory Technician Black Hills Plateau Production, LLC 350 Indiana Street Suite 400 Golden, CO 80401 720-210-1333 (Office) 720-210-1301 (Fax)
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Field Representative	Stan Lindholm Field Superintendent Black Hills Plateau Production, LLC 2388 Leland Avenue Grand Junction, CO 81505 970-257-0727 (Office) 970-257-0205 (Fax)
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Allen Parrent  
Drilling Superintendent  
Black Hills Plateau Production, LLC  
350 Indiana Street

Suite 400  
Golden, CO 80401  
720-210-1310 (Office)  
720-210-1301 (Fax)

I hereby certify that I, or persons under my direct supervision, inspected the proposed drill sites and access routes that fall within the constraints of this document; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge and belief, true and correct; and that the work associated with the operations proposed herein will be performed by Black Hills Plateau Production, LLC, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

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Jessica Donahue  
Regulatory Technician

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Date