

**BOPCO**  
**13 POINT SURFACE USE PLAN**  
**FOR WELL**  
**YELLOW CREEK FEDERAL 29-13-1**  
**LOCATED IN THE NW ¼ OF THE SW ¼**  
**SECTION 29, T.1N, R98W, 6<sup>th</sup> P.M.**  
**RIO BLANCO COUNTY, COLORADO**  
**LEASE NUMBER: COC-59395**  
**SURFACE OWNERSHIP: FEDERAL**

## 1. Existing Roads:

**BOPCO, L. P.  
Yellow Creek Federal 29-13-1  
Section 29, T1N, R98W, 6th PM**

**From the intersection of US Highway 64 and 10<sup>th</sup> Street in Meeker, Colorado proceed in a westerly direction along US Highway 64 approximately 19.8 miles to the junction of the Piceance Creek Road (County Road #5); exit left and proceed in a southerly direction along the Piceance Creek Road approximately 4.6 miles to the junction of County Road #20; exit right and proceed in a northwesterly direction along County Road #20 approximately 2.7 miles to the junction of County Road #83 (south) and County Road #88 (north). Continue on County Road #20 in a southwesterly direction approximately 2.3 miles to the junction of County Road #122; exit right and proceed in a westerly direction along county road #122 approximately 6.1 miles to the intersection of a service road to the North; exit right and proceed in a northerly direction along the service road approximately 0.7 miles to the proposed access road. Follow road flags in a northeasterly direction approximately 580 feet to the proposed location.**

Total distance from Meeker, Colorado is approximately 36.3 miles in a westerly direction.

All existing roads to the proposed location are State of Colorado, BLM maintained or County Class D roads.

Please see the attached map for additional details.

## 2. Planned access road

The proposed access road will be approximately 580' of new construction. The road will be graded once per year minimum and maintained.

- A) Approximate length.....580 ft**
- B) Right-of-Way width.....30 ft**
- C) Running surface.....18 ft**
- D) Surface material.....Native soil**
- E) Maximum grade.....8%**
- F) Fence crossings.....None**
- G) Culverts.....None**
- H) Turnouts.....None**
- I) Major cuts and fills.....None**
- J) Road Flagged.....Yes**
- K) Access road surface ownership.....Federal**
- L) All new construction on lease.....Yes**
- M) Pipe line crossings.....No**

Please see the attached location plat for additional details.

**An off lease Right-of-Way will not be required.**

All surface disturbances for the road and location will be within the lease boundary.

### 3. Location of existing wells

The following wells are located within a one-mile radius of the location site.

- A) Producing well.....None
- B) Water well.....None
- C) Abandoned well.....None
- D) Temp. abandoned well.....None
- E) Disposal well.....None
- F) Drilling /Permitted well.....None
- G) Shut in well.....None
- H) Injection well.....None
- I) Monitoring or observation well.....None

Please see the attached map for additional details.

### 4. Location of tank batteries, production facilities and production gathering service lines:

All production facilities are to be contained within the proposed location site. Please see the attached plat for a typical gas well separator installation and well site piping.

All permanent (on site for more than six months or longer) structures constructed or installed will be painted a **Beetle** color. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is **Beetle**.

All tanks will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank in the battery. The integrity of the dike will be maintained.

The operator will adhere to all site security guidelines and regulation identified in 43 CFR 3126.7.

If the well is capable of economic production a surface gas line will be required.

**Approximately 4,465' of 6" steel buried gas gathering line and approximately 4,465' of 3.5" poly line for water would be constructed on Federal Lands in the same trench. The line will tie into an existing pipeline in Section 32, T1N, R98W, 6<sup>th</sup> PM. The pipeline would be buried to the south and east of the location and adjacent to the access road.**

**An off lease Right-of-Way will be required for approximately 2,300'.**

Please see the attached location diagrams for pipeline location.

## **5. Location and type of water supply**

Water for drilling and cementing will be hauled by Dalbo/A-1 Tanks and will come from the White River.

## **6. Source of construction materials**

All construction material for this location site and access road shall be barrow material accumulated during construction of the location site and access road. If required, additional road gravel or pit lining material will be obtained from private resources.

## **7. Methods for handling waste disposal**

### **A) Pit construction and liners:**

The reserve pit will be approximately **15 ft.** deep and most of the depth shall be below the surface of the existing ground. Please see the attached plat for details.

The reserve pit will be lined.

The reserve pit will be used to store water for drilling and for fracture stimulation during completion. A semi-closed system will be used to drill the well. All fresh water for drilling will come from a frac tank placed on location and from the rig tank. The pit will be used to hold non-flammable materials such as cuttings, salt, drilling fluids, chemicals, produced fluids, etc.

### **B) Produced fluids:**

Produced water will be confined to the reserve pit, or if deemed necessary, a storage tank for a period not to exceed 90 days after initial production. During the 90-day period an application for approval for permanent disposal method and location will be submitted to the authorized officer. Onsite evaporation may be used instead of trucking to facilitate closing and reclamation of the reserve pit. A pumping system would be used for evaporation.

### **C) Garbage:**

A commercial trash container will be used to hold trash on location and will be removed to an authorized landfill location.

### **D) Sewage:**

Portable chemical toilets will be supplied for human waste.

E) Site clean-up:

After the rig is moved off the location the well site area will be cleaned and all refuse removed.

**8. Ancillary facilities**

There are no ancillary facilities planned at this time and none are foreseen for the future.

**9. Well-site layout**

Location dimensions are as follows:

A) Pad length.....	395 ft
B) Pad width.....	305 ft
C) Pit depth.....	15 ft
D) Pit length.....	140 ft
E) Pit width.....	85 ft
F) Max cut .....	19.0 ft (to the bottom of the pit)
G) Max fill.....	10.2 ft
H) Total cut yards.....	11,350 cubic yards
I) Pit location.....	West end
J) Pit topsoil location.....	between corners C and 6
K) Top soil location.....	North & South ends
L) Access road location.....	South end
M) Flare Pit.....	Corner 6
N) FW Pit length.....	50 ft
O) FW Pit width.....	85 ft
P) FW Pit depth.....	15 ft
Q) Total disturbed acres.....	3.05

Please see the attached location diagram for additional details.

All pits will be fenced according to the following minimum standards:

- A) Reserve pits used for drilling will be fenced on three sides prior to drilling activity and closed off on the fourth side after drilling is finished. All fence corners will be braced with an H-type brace. Within the wild horse range, the reserve pit fence shall be 48 inches high. In sheep allotments, the fence will have 48 inches of woven wire and cattle allotments will have four strands of barbed wire. Fences will be located at least four feet from the edge of the pit slope.

- B) Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- C) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 ft.
- D) All wire shall be stretched by using a stretching device before it is attached to the corner posts.

#### **10. Plans for restoration of the surface:**

Prior to construction of the location, the top 6 inches of soil material will be stripped off the location and the pit area. The topsoil removed and piled will amount to approximately **2,190** cubic yards of material. Topsoil will be stockpiled in one distinct pile. Placement of the topsoil is noted on the attached location plat. The topsoil pile from the location will be seeded as soon as the soil is stock piled with the seed mix listed. When all drilling and completion activities have been completed and the pit back-filled the topsoil from the pit area will be spread on the pit area. The pit area will be seeded when the soil has been spread. The unused portion of the location (the area outside the dead men) will be re-contoured.

Once the drilling rig moves off location, the reserve pit will be bird netted. The dirt contractor will be provided with an approved copy of the surface use plan prior to construction activities.

Changes to the drainage during the construction activities shall be restored to its original line of flow or as near as possible when the pit is back-filled

All disturbed areas will be re-contoured to the approximate natural contours. Prior to back filling the pit the fences around the reserve pit will be removed.

The reserve pit will be reclaimed within 90 days of well completion. If the reserve pit has not dried sufficiently to allow back filling, an extension on the time requirement for back filling the pit will be requested. Once reclamation activities have begun, they shall be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The objective is to keep seasonal rainfall and run off from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert the run off as needed.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas will be scarified and left with a rough surface.

A) Seeding dates:

Seed will be spread when topsoil is stock piled and when reclamation work is performed.

The seed mix and quantity list will be used whether the seed is broadcast or drilled.

B) Interim Seed Mix:

**To be determined by the Authorized Officer.**

**11. Surface ownership:**

Access road.....**Federal**  
Location.....**Federal**  
Pipe line.....**Federal**

**12. Other information:**

A) Vegetation:

The vegetation coverage is slight. The majority of the existing vegetation consists of sagebrush, spruce, cedars and native vegetation.

B) Dwellings:

There are no dwellings or other facilities within a one-mile radius of the location.

C) Archeology:

The location has been surveyed. A copy of that survey will be forwarded to your office.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the antiquities act of June 8, 1906) are discovered, all operations, which would affect such sites will be suspended and the discovery reported promptly to the surface management agency.

D) Water:

**The nearest water is Yellow Creek located 4.3 miles +/- to the East.**

E) Chemicals:

No pesticides, herbicides or other possible hazardous chemicals will be used without prior approval.

F) Notification:

- a) Location Construction at least forty eight (48) hours prior to construction of location and access roads.
- b) Location completion prior to moving on the drilling rig.
- c) Spud notice at least twenty-four (24) hours prior to spudding the well.
- d) Casing string and cementing at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- e) BOP and related equipment tests  
At least twenty-four (24) hours prior to initial pressure tests.
- f) First production notice within five (5) business days after the new well begins, or production resumes after well has been off production for more than 90 days.

G) Flare pit:

The flare pit will be located in **corner 6** of the reserve pit out side the pit fences and 100 feet from the bore hole on the east side of the location. All fluids will be removed from the pit within 48 hours of occurrence.

**13. Lessees or Operator's representative and certification:**

A) Representative

Ginger Stringham  
Paradigm Consulting  
Vernal, UT 84079

Office 435-789-4162  
Fax 435-789-8188  
Cellular 435-790-4163

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, onshore oil and gas orders, and any applicable notices to lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

This drilling permit will be valid for a period of two years from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

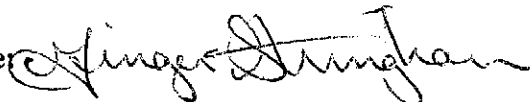


**Certification:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route that I am familiar with the conditions which currently 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 operation proposed herein will be performed by BOPCO, L.P. and its contractors and subcontractors in conformity with this plan and terms and conditions 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 filing of a false statement.

**Name: Ginger Stringham**

**Title: Agent**

**Signature:** 

**Date: 7/2/07**

**Onsite Dates: 10/4/06**