

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

1712921

## Oil and Gas Location Assessment

☒ New Location      ☐ Amend Existing Location      Location#: \_\_\_\_\_

Submit original plus one copy. This form is to be submitted to the COGCC prior to any ground disturbance activity associated with oil and gas development operations. This Assessment may be approved as a stand alone application or submitted as an informational report accompanying an Application for Permit-To-Drill, Form 2. Approval of this Assessment will allow for the construction of the below specified location; however, it does not supersede any land use rules applied by the local land use authority. This form may serve as notice to land owners and other interested parties, please see the COGCC web site at <http://colorado.gov/cogcc/> for all accompanying information pertinent to this Oil and Gas Location Assessment.

Location ID:

**414321**

Expiration Date:

**11/02/2012**
☒ This location assessment is included as part of a permit application.

## 1. CONSULTATION

- ☐ This location is included in a Comprehensive Drilling Plan. CDP # \_\_\_\_\_
- ☒ This location is in a sensitive wildlife habitat area.
- ☒ This location is in a wildlife restricted surface occupancy area.
- ☐ This location includes a Rule 306.d.(1)A.ii. variance request.

## 2. Operator

Operator Number: 97810

Name: YATES PETROLEUM CORPORATION

Address: 105 SOUTH 4TH ST

City: ARTESIA State: NM Zip: 88210

## 3. Contact Information

Name: WILL C. RUSSELL

Phone: (307) 382-4005

Fax: (307) 382-5923

email: WILLR@YATESPETROLEUM.CO  
M

## 4. Location Identification:

Name: BIG HOLE GULCH UNIT #2 Number: #2

County: MOFFAT

QuarterQuarter: SESE Section: 8 Township: 11N Range: 94W Meridian: 6 Ground Elevation: 6591

Define a single point as a location reference for the facility location. This point should be used as the point of measurement in the drawings to be submitted with this application. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 660 feet, from North or South section line: FSL and 660 feet, from East or West section line: FEL

Latitude: 40.922525 Longitude: -107.965997 PDOP Reading: 1.8 Date of Measurement: 04/29/2009

## 5. Facilities (Indicate the number of each type of oil and gas facility planned on location):

|  |   |  |   |  |
|--|---|--|---|--|
| Special Purpose Pits: <input type="text" value="0"/> | Drilling Pits: <input type="text" value="1"/> | Wells: <input type="text" value="1"/>        | Production Pits: <input type="text" value=""/>  | Dehydrator Units: <input type="text" value="1"/> |
| Condensate Tanks: <input type="text" value="1"/>     | Water Tanks: <input type="text" value="1"/>   | Separators: <input type="text" value="1"/>   | Electric Motors: <input type="text" value="0"/> | Multi-Well Pits: <input type="text" value="0"/>  |
| Gas or Diesel Motors: <input type="text" value="0"/> | Cavity Pumps: <input type="text" value="0"/>  | LACT Unit: <input type="text" value="0"/>    | Pump Jacks: <input type="text" value="0"/>      | Pigging Station: <input type="text" value="0"/>  |
| Electric Generators: <input type="text" value="0"/>  | Gas Pipeline: <input type="text" value="1"/>  | Oil Pipeline: <input type="text" value="1"/> | Water Pipeline: <input type="text" value="1"/>  | Flare: <input type="text" value="0"/>            |
| Gas Compressors: <input type="text" value="0"/>      | VOC Combustor: <input type="text" value="0"/> | Oil Tanks: <input type="text" value="0"/>    | Fuel Tanks: <input type="text" value="0"/>      |  |

Other: \_\_\_\_\_

6. Construction:

Date planned to commence construction: 10/31/2009 Size of disturbed area during construction in acres: 2.90  
Estimated date that interim reclamation will begin: 07/15/2010 Size of location after interim reclamation in acres: 0.90  
Estimated post-construction ground elevation: 6591 Will a closed loop system be used for drilling fluids: Yes ☐  
Will salt sections be encountered during drilling: Yes ☐ No ☒ Is H2S anticipated? Yes ☐ No ☒  
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes ☐ No ☒  
Mud disposal: Offsite ☐ Onsite ☒ Method: Land Farming ☐ Land Spreading ☐ Disposal Facility ☐  
Other: RESERVE PIT

7. Surface Owner:

Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
Address: \_\_\_\_\_ Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: 06/25/2009  
Surface Owner: ☐ Fee ☐ State ☒ Federal ☐ Indian  
Mineral Owner: ☐ Fee ☐ State ☒ Federal ☐ Indian  
The surface owner is: ☒ the mineral owner ☐ committed to an oil and gas lease  
☐ is the executor of the oil and gas lease ☐ the applicant  
The right to construct the location is granted by: ☒ oil and gas lease ☐ Surface Use Agreement ☐ Right of Way  
☐ applicant is owner  
Surface damage assurance if no agreement is in place: ☐ \$2000 ☐ \$5000 ☐ Blanket Surety ID \_\_\_\_\_

8. Reclamation Financial Assurance:

☐ Well Surety ID: \_\_\_\_\_ ☐ Gas Facility Surety ID: \_\_\_\_\_ ☐ Waste Mgmt. Surety ID: \_\_\_\_\_

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒  
Distance, in feet, to nearest building: 28000, public road: 487, above ground utilit: 13300  
, railroad: 188496, property line: 660

10. Current Land Use (Check all that apply):

Crop Land: ☐ Irrigated ☐ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP  
Non-Crop Land: ☒ Rangeland ☐ Timber ☒ Recreational ☒ Other (describe): OIL AND GAS  
Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

11. Future Land Use (Check all that apply):

Crop Land: ☐ Irrigated ☐ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP  
Non-Crop Land: ☒ Rangeland ☐ Timber ☒ Recreational ☒ Other (describe): OIL AND GAS  
Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

12. Soils:

List all soil map units that occur within the proposed location. Attach the National Resource Conservation Service (NRCS) report showing the "Map Unit Description" report listing the soil typical vertical profile. This data is to be used when segregating topsoil.

The required information can be obtained from the NRCS web site at <http://soildatamart.nrcs.usda.gov/> or from the COGCC web site GIS Online map page found at <http://colorado.gov/cogcc>. Instructions are provided within the COGCC web site help section.

NRCS Map Unit Name: RYARK-MAYBELL COMPLEX, 1 TO 12 PERCENT SLOPES , 174

NRCS Map Unit Name: \_\_\_\_\_

NRCS Map Unit Name: \_\_\_\_\_

### 13. Plant Community:

Complete this section only if any portion of the disturbed area of the location's current land use is on non-crop land.

Are noxious weeds present: Yes ☒ No ☐

Plant species from: ☒ NRCS or, ☐ field observation Date of observation: \_\_\_\_\_

List individual species: CACTUS, SAGE BRUSH

Check all plant communities that exist in the disturbed area.

- ☒ Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)  
☒ Native Grassland (Bluestern, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome)  
☒ Shrub Land (Mahogany, Oak, Sage, Serviceberry, Chokecherry)  
☐ Plains Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk)  
☐ Mountain Riparian (Cottonwood, Willow, Blue Spruce)  
☐ Forest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, Juniper, Pinyon, Aspen)  
☐ Wetlands Aquatic (Bullrush, Sedge, Cattail, Arrowhead)  
☐ Alpine (above timberline)  
☒ Other (describe): SEE ATTACHED NRCS RANGELAND PRODUCTIVITY AND PLANT COMPOSITION

### 14. Water Resources:

Rule 901.e. may require a sensitive area determination be performed. If this determination is performed the data is to be submitted with the Form 2A.

Is this a sensitive area: ☒ No ☐ Yes Was a Rule 901.e. Sensitive Areas Determination performed: ☒ No ☐ Yes

Distance (in feet) to nearest surface water: 3463, water well: 11352, depth to ground water: 302

Is the location in a riparian area: ☒ No ☐ Yes Was an Army Corps of Engineers Section 404 permit filed ☒ No ☐ Yes

Is the location within a Rule 317B Surface Water Supply Area buffer zone:

☒ No ☐ 0-300 ft. zone ☐ 301-500 ft. zone ☐ 501-2640 ft. zone

If the location is within a Rule 317B Surface Water Supply Area buffer have all public water supply systems within 15 miles been notified: ☒ No ☐ Yes

### 15. Comments:

THIS LOCATION WAS APPROVED BY THE BLM ON 06/25/09. WE MOVED THE ACCESS ROAD FOR OUR FIRST WELL BIG HOLE GULCH UNIT #1 TO MISS A SAGE GROUSE LEAK. THIS NEW PROPOSED WELL LOCATION IS OUT OF THE SAGE GROUSE LEAK AS WELL AS ITS ACCESS ROAD. YATES WOULD THINK THAT THE RSFO AND SWHA AREA HAVE BEEN PROTECTED ALREADY BY THE SUFACE OWNER BLM. WE HAVE A TIME STIP FOR SAFE GROUSE NESTING 3/1 TO 6/30 THAT WE FULLY ENFORCE. DUE TO WINTER COMING AND 03/01/2110 MOVING CLOSER YATES RESPECTFULLY ASKS THAT THE 40 DAY WILDLIFE CONSULTATION BE SWIFT AND THE STATE OF COLORADO MOVE WITH THE MEASURES ALREADY IN EFFECT BY THE BLM.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: \_\_\_\_\_ Date: 09/30/2009 Email: WILLR@YATESPETROLEUM.COM

Print Name: WILL C. RUSSELL Title: REGULATORY

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

*David S. Nash*

COGCC Approved: \_\_\_\_\_ Director of COGCC Date: 11/3/2009

### **Attachment Check List**

| Att Doc Num | Name                    | Doc Description     |
|-------------|-------------------------|---------------------|
| 1637206     | REFERENCE AREA PICTURES | LF @2159415 1637206 |
| 1637207     | REFERENCE AREA MAP      | LF @2159417 1637207 |
| 1637337     | PROPOSED BMPs           | LF @2160396 1637337 |
| 1637340     | PROPOSED BMPs           | LF @2160407 1637340 |
| 1712921     | FORM 2A                 | LF @2155198 1712921 |
| 1712931     | LOCATION PICTURES       | LF @2155319 1712931 |
| 1712932     | LOCATION PICTURES       | LF @2155321 1712932 |
| 1712933     | LOCATION DRAWING        | LF @2155199 1712933 |
| 1712934     | HYDROLOGY MAP           | LF @2155322 1712934 |
| 1712935     | ACCESS ROAD MAP         | LF @2155200 1712935 |
| 1712936     | NRCS MAP UNIT DESC      | LF @2155201 1712936 |
| 1712937     | CONST. LAYOUT DRAWINGS  | LF @2155202 1712937 |
| 2032626     | CORRESPONDENCE          | LF @2172646 2032626 |

Total Attach: 13 Files