

FORM  
2A

Rev  
04/01

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:

2095131

**Oil and Gas Location Assessment**

☐ New Location ☒ Amend Existing Location Location#: 417781

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:

**417781**

Expiration Date:

**03/01/2013**

☒ 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: 10276

Name: PINE RIDGE OIL & GAS LLC

Address: 600 17TH ST STE 800S

City: DENVER State: CO Zip: 80202

**3. Contact Information**

Name: TIM ENGEL

Phone: (303) 226-1300

Fax: (303) 226-1301

email: TIM.ENGEL@COMETRIDGERESOURCES.COM

**4. Location Identification:**

Name: PATTI SPECIAL PAD Number: 32-29

County: FREMONT

QuarterQuarter: SWNE Section: 29 Township: 19S Range: 69W Meridian: 6 Ground Elevation: 5283

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: 1958 feet, from North or South section line: FNL and 2291 feet, from East or West section line: FEL

Latitude: 38.368674 Longitude: -105.133713 PDOP Reading: 6.0 Date of Measurement: 01/19/2010

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

Special Purpose Pits: <input type="checkbox"/>	Drilling Pits: <input type="checkbox"/> <u>1</u>	Wells: <input type="checkbox"/> <u>2</u>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="checkbox"/>	Separators: <input type="checkbox"/>	Electric Motors: <input type="checkbox"/>	Multi-Well Pits: <input type="checkbox"/>
Gas or Diesel Motors: <input type="checkbox"/> <u>2</u>	Cavity Pumps: <input type="checkbox"/>	LACT Unit: <input type="checkbox"/>	Pump Jacks: <input type="checkbox"/> <u>2</u>	Pigging Station: <input type="checkbox"/>
Electric Generators: <input type="checkbox"/>	Gas Pipeline: <input type="checkbox"/>	Oil Pipeline: <input type="checkbox"/>	Water Pipeline: <input type="checkbox"/>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="checkbox"/>	VOC Combustor: <input type="checkbox"/>	Oil Tanks: <input type="checkbox"/> <u>3</u>	Fuel Tanks: <input type="checkbox"/>	

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

6. Construction:

Date planned to commence construction: 03/01/2010 Size of disturbed area during construction in acres: 1.50  
Estimated date that interim reclamation will begin: 09/01/2010 Size of location after interim reclamation in acres: 1.20  
Estimated post-construction ground elevation: 5284 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: EVAPORATION & BURIAL

7. Surface Owner:

Name: ROBERT & BARBARA BOECKER Phone: 719/784-7838  
Address: 230 FREMONT CNTY RD 69 Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
City: CANON CITY State: CO Zip: 8112 Date of Rule 306 surface owner consultation: 01/14/2010  
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 executer 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 20080135

8. Reclamation Financial Assurance:

☒ Well Surety ID: 20080134 ☐ Gas Facility Surety ID: \_\_\_\_\_ ☐ Waste Mgnt. Surety ID: \_\_\_\_\_

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒  
Distance, in feet, to nearest building: 1461, public road: 3367, above ground utilit: 3367  
, railroad: 5280, property line: 263

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): \_\_\_\_\_  
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): \_\_\_\_\_  
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 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: KIM-SHINGLE COMPLEX (53)

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: ALKALI SACATON. BLUE GRAMA. WESTERN WHEAT GRASS. FOURWING SALT BUSH.  
GALLATA. INDIAN RICE GRASS

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): \_\_\_\_\_

### 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: 311, water well: 500, depth to ground water: 100

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:

FORM 2a FOR LOCATION ASSESSMENT FOR 2 WELLS PATTI 32-29 AND THE SPECIAL K 32-29. The distance to the nearest railroad is greater than one mile. Sensitive area due to proximity to domestic water well Reference area is adjacent to and on undisturbed ground located east of the Oil & Gas Location. Location Photo is reference area photo.

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

Signed: \_\_\_\_\_ Date: 01/29/2010 Email: TIM.ENGEL@COMETRIDGERESOURCES.COM

Print Name: TIMOTHY J. ENGEL Title: GEOLOGICAL TECH

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

COGCC Approved: \_\_\_\_\_

*David S. Neshin*

Director of COGCC

Date: 3/2/2010

**CONDITIONS OF APPROVAL, IF ANY:**

**All representations, stipulations and conditions of approval stated in this Form 2A for this location shall constitute representations, stipulations and conditions of approval for any and all subsequent operations on the location unless this Form 2A is modified by Sundry Notice, Form 4 or an Amended Form 2A.**

Location is in a sensitive area because of proximity to a domestic water well; therefore either a lined drilling pit or closed loop system is required.

Operator must implement best management practices to contain any unintentional release of fluids

**Attachment Check List**

Att Doc Num	Name	Doc Description
1784841	CORRESPONDENCE	LF@2426557 1784841
1784842	CORRESPONDENCE	LF@2426560 1784842
1828764	REFERENCE AREA PICTURES	LF@2394039 1828764
1828765	REFERENCE AREA PICTURES	LF@2394041 1828765
1828767	MULTI-WELL PLAN	LF@2394916 1828767
2095131	FORM 2A APPROVED	LF@2433758 2095131
2095144	LOCATION PICTURES	LF@2220055 2095144
2095145	LOCATION PICTURES	LF@2220056 2095145
2095146	LOCATION DRAWING	LF@2220057 2095146
2095147	HYDROLOGY MAP	LF@2220058 2095147
2095148	ACCESS ROAD MAP	LF@2220059 2095148
2095149	REFERENCE AREA MAP	LF@2220060 2095149
2095150	NRCS MAP UNIT DESC	LF@2220040 2095150
2095151	CONST. LAYOUT DRAWINGS	LF@2220041 2095151
2095152	PROPOSED BMPs	LF@2220042 2095152
2589068	MULTI-WELL PLAN	LF@2421525 2589068
2589079	LOCATION DRAWING	LF@2426243 2589079
400033869	FORM 2A SUBMITTED	LF@2394042 400033869
400046456	FORM 2A	LF@2220039 400046456

Total Attach: 19 Files