

FORM
2A

Rev
04/01

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

2238113

Date Received:

12/06/2012

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 standalone 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:

431305

Expiration Date:

01/10/2016

☒ 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: 81295

Name: RED WILLOW PRODUCTION COMPANY

Address: P O BOX 369

City: IGNACIO State: CO Zip: 81137

3. Contact Information

Name: DENNIS CORKRAN

Phone: (970) 563-5163

Fax: (970) 563-5161

email: DCORKRAN@RWPC.US

4. Location Identification:

Name: NORTH CARRACAS 32-4 Number: 14D-2

County: ARCHULETA

QuarterQuarter: NWNW Section: 24 Township: 32N Range: 4W Meridian: N Ground Elevation: 6329

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: 421 feet FNL, from North or South section line, and 81 feet FWL, from East or West section line.

Latitude: 37.009550 Longitude: -107.243730 PDOP Reading: 3.0 Date of Measurement: 05/16/2011

Instrument Operator's Name: SCOTT WEIBE

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

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

Other: _____

6. Construction:

Date planned to commence construction: 09/01/2013 Size of disturbed area during construction in acres: 3.99
 Estimated date that interim reclamation will begin: 11/01/2013 Size of location after interim reclamation in acres: 1.66
 Estimated post-construction ground elevation: 6329 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: DRYING AND BURIAL
 PAD

7. Surface Owner:

Name: _____ Phone: _____
 Address: _____ Fax: _____
 Address: _____ Email: _____
 City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 05/16/2011
 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 _____

8. Reclamation Financial Assurance:

☒ Well Surety ID: 20090057 ☐ 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: 1920, public road: 1565, above ground utilit: 1565
 , railroad: 5280, property line: 81

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 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: R6-CD. WETHERILL LOAM 3 TO 87 PERCENT SLOPE

NRCS Map Unit Name: E6-CE. PAYAN COBBLY SANDY CLAY LOAM, 3 TO 25 PERCENT SLOPES

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: WESTERN WHEATGRASS, BIG SAGEBRUSH, BOTTLEBRUSH SQUIRRELTAIL, INDIAN RICEGRASS, NEEDLEANDTHREAD, PRAIRIE JUNEGRASS, ANTELOPE BITTERBRUSH, GAMBEL OAK, TRUE MOUNTAIN MAHOGANY.

Check all plant communities that exist in the disturbed area.

- ☒ Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
☐ Native Grassland (Bluestem, 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: 347, water well: 2106, depth to ground water: 80

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 Suppl 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:

DEPTH OF GROUND WATER INFO WAS OBTAINED FROM PROXIMATE WATER WELL REPORTS. THIS WELL WILL SHARE A PAD WITH THE NORTH CARRACAS 32-4 #24D-1 WELL. Reference area is located immediately to the south of the well pad on undisturbed land.

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

Signed: _____ Date: 12/03/2012 Email: DCORKRAN@RWPC.US

Print Name: DENNIS COCKRAN Title: DRILLING & PRODUCTION MGR

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: Matthew Lee Director of COGCC Date: 1/11/2013

**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.

Attachment Check List

Att Doc Num	Name
2238113	FORM 2A
2238114	LOCATION PICTURES
2238115	LOCATION DRAWING
2238116	HYDROLOGY MAP
2238117	ACCESS ROAD MAP
2238118	REFERENCE AREA MAP
2238119	NRCS MAP UNIT DESC
2238120	CONST. LAYOUT DRAWINGS

Total Attach: 8 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed; no LGD or public comment received.	1/11/2013 5:52:15 AM
OGLA	Initiated/Completed OGLA Form 2A review on 01-09-13 by Dave Kubeczko; this location falls within the SUIT external boundary and the Form 2A has been submitted for informational purposes only; suggestions for this location are - fluid containment, spill/release BMPs, tank berming, flowback to tanks, and cuttings low moisture content; changed distance to SW to 347'; no CPW, SUIT jurisdiction; passed OGLA Form 2A review on 01-09-13 by Dave Kubeczko; no COAs.	1/9/2013 11:52:23 AM
Permit	SUA attached to the form 2 APD.	12/20/2012 11:24:28 AM
Permit	Well location falls on sensitive wildlife habitat area for mule deer and winter Elk.	12/18/2012 1:39:03 PM
Permit	operator mailing corrected Form 2A per email today.	12/13/2012 12:34:41 AM
Permit	Return to draft: 1. plugging surety bond ID#20090058 submitted is surface surety ID#, 2. construction section incomplete; missing responses, 3. cultural section incomplete (distance to public road is missing). (the following info does not match paper 2A (data entry): location section PDOP Reading incomplete (<3.0 per form), NRCS 3-87% slope (3-8% slope per form)).	12/9/2012 11:12:07 PM
Data Entry	9. CULTURAL: DISTANCE IN FEET FROM NEAREST BUILDING "1" ENTERED FOR SUBMISSION - MUST HAVE A DISTANCE ENTERED.	12/7/2012 12:32:51 PM

Total: 7 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)