

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:  
400077367

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:  
**419107**  
Expiration Date:

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: 10159  
Name: ROSETTA RESOURCES OPERATING LP  
Address: 717 TEXAS STE 2800  
City: HOUSTON State: TX Zip: 77002

3. Contact Information

Name: SHAWN HILDRETH  
Phone: (713) 335-4104  
Fax: (281) 763-2320  
email: SHAWN.HILDRETH@ROSETTA RESOURCES.COM

4. Location Identification:

Name: BAKER Number: 08-04  
County: YUMA  
Quarter: NWNW Section: 8 Township: 1S Range: 45W Meridian: 6 Ground Elevation: 3890  
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: 665 feet, from North or South section line: FNL and 754 feet, from East or West section line: FWL  
Latitude: 39.987990 Longitude: -102.446320 PDOP Reading: 1.9 Date of Measurement: 12/10/2009  
Instrument Operator's Name: CHRIS PEARSON

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

Other: PROPOSED WATER TANK IS APPROX. 55 FEET S OF CR 29 AND 55 FEET E OF CR V.

6. Construction:

Date planned to commence construction: 08/01/2010 Size of disturbed area during construction in acres: 0.34
Estimated date that interim reclamation will begin: 11/01/2010 Size of location after interim reclamation in acres: 0.17
Estimated post-construction ground elevation: 3890 Will a closed loop system be used for drilling fluids: Yes
Will salt sections be encountered during drilling: Yes No X Is H2S anticipated? Yes No X
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes No X
Mud disposal: Offsite Onsite X Method: Land Farming X Land Spreading Disposal Facility
Other:

7. Surface Owner:

Name: Phone:
Address: Fax:
Address: Email:
City: State: Zip: Date of Rule 306 surface owner consultation: 11/30/2009
Surface Owner: X Fee State Federal Indian
Mineral Owner: X Fee State Federal Indian
The surface owner is: X the mineral owner X committed to an oil and gas lease
X is the executer of the oil and gas lease the applicant
The right to construct the location is granted by: X 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:

X Well Surety ID: 20060021 Gas Facility Surety ID: Waste Mgnt. Surety ID:

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes No X
Distance, in feet, to nearest building: 1750 , public road: 630 , above ground utilit: 2760
, railroad: 5280 , property line: 665

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

Crop Land: X 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: X 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: MANTER LOAMY SAND- OIL AND GAS LOCATION AND WATER TANK

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: \_\_\_\_\_

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: 2015, water well: 98, depth to ground water: 40

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:

SECTION 6: CULTURAL- DISTANCE TO THE NEAREST RAILROAD IS GREATER THAN 1 MILE. SOILS- INCLUDES OIL AND GAS LOCATION AND WATER TANK. SECTION 8- WATER RESOURCES: SENSITIVE AREA DUE TO LOCATION IN NORTHERN HIGH PLAINS DESIGNATED GROUNDWATER BASIN.

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

Signed: \_\_\_\_\_ Date: 07/16/2010 Email: SHAWN.HILDRETH@ROSETTARESOURCE S.COM

Print Name: SHAWN HILDRETH Title: REGULATORY ANALYST

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. Neslin*

Director of COGCC

Date: 8/31/2010

**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.**

**Attachment Check List**

Att Doc Num	Name	Doc Description
1641884	CORRESPONDENCE	LF@2519734 1641884
1641885	LOCATION DRAWING	LF@2519763 1641885
400077367	FORM 2A SUBMITTED	LF@2509021 400077367
400077375	LOCATION PICTURES	LF@2509022 400077375
400077377	HYDROLOGY MAP	LF@2509024 400077377
400077380	ACCESS ROAD MAP	LF@2509025 400077380
400077381	NRCS MAP UNIT DESC	LF@2509026 400077381
400077383	PROPOSED BMPs	LF@2509027 400077383
400077395	LOCATION DRAWING	LF@2509028 400077395
400077396	HYDROLOGY MAP	LF@2509029 400077396

Total Attach: 10 Files

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Permit	PERMITTING PASSED	8/31/2010 4:11:33 PM
Permit	Shawn requested the following be added to the operator comments: ROSETTA INTENDS TO PRODUCE ABOVE 2,500' HOWEVER, ROSETTA IS PLANNING ON DRILLING TO A TOTAL DEPTH OF 2,610 TO LOG THE FORMATIONS.	8/31/2010 4:10:55 PM

OGLA	<p>From: Shawn Hildreth [mailto:Shawn.Hildreth@rosettaresources.com]</p> <p>Sent: Monday, August 09, 2010 10:55 AM</p> <p>To: Andrews, Doug</p> <p>Subject: RE: BAKER 08-04 - COGCC Location Assessment Form 2A (doc 400077367) review for Rosetta Resources</p> <p>Doug,</p> <p>Please proceed with changing date planned to commence construction to 9/15/2010. Also, change interim reclamation date to 12/15/2010. Thanks.</p> <p>Shawn Hildreth</p> <p>Sr. Regulatory Analyst</p> <p>Rosetta Resources</p> <p>717 Texas Ave, Ste. 2800</p> <p>Houston, TX 77002</p> <p>Off. 713.335.4104 / Fax. 281.763.2320</p> <p>shawn.hildreth@rosettaresources.com</p> <p>From: Andrews, Doug [mailto:Doug.Andrews@state.co.us]</p> <p>Sent: Monday, August 09, 2010 11:42 AM</p> <p>To: Shawn Hildreth</p> <p>Subject: BAKER 08-04 - COGCC Location Assessment Form 2A (doc 400077367) review for Rosetta Resources</p> <p>Shawn,</p> <p>Based on the additional information provided by you and PFS, I will change the distance to the nearest water well from 98 feet to 850 feet on the Form 2A. I also have an additional change request to make.</p> <p>1)Construction - Because the earliest this Form 2A can be approved is after the 20-day public comment period which ends 8/9/10, construction cannot commence until sometime after that date. Currently the Form 2A indicates the date planned to commence construction is 8/1/10. Please provide me with an alternate date when construction is planned to commence and I will change it on the Form 2A. Please be aware that this may require an alternate estimated date that interim reclamation will begin as well.</p> <p>Please call me if you have any questions.</p> <p>Respectfully,</p> <p>R. Douglas Andrews</p> <p>Oil &amp; Gas Location Assessment Specialist</p> <p>Colorado Oil &amp; Gas Conservation Commission</p> <p>1120 Lincoln Street, Suite 801</p>	8/20/2010 3:53:22 PM
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<p>OGLA</p>	<p>Denver, CO 80203</p> <p>Phone: (303) 894-2100 EXT 5134</p> <p>Fax: (303) 894-2109</p> <p>Email: doug.andrews@state.co.us</p> <p>From: Shawn Hildreth [mailto:Shawn.Hildreth@rosettaresources.com]</p> <p>Sent: Monday, August 09, 2010 10:34 AM</p> <p>To: Andrews, Doug</p> <p>Subject: FW: Baker 08-04</p> <p>Hi Doug,</p> <p>Per our conversation, I checked with PFS and confirmed that there is no water well 98 ft away from the Baker 08-04 well location. Please use the next closest water well that is 850 feet away. If you have any question, please do not hesitate to contact me. Thanks.</p> <p>Shawn Hildreth</p> <p>Sr. Regulatory Analyst</p> <p>Rosetta Resources</p> <p>717 Texas Ave, Ste. 2800</p> <p>Houston, TX 77002</p> <p>Off. 713.335.4104 / Fax. 281.763.2320</p> <p>shawn.hildreth@rosettaresources.com</p>	<p>8/20/2010 3:53:22 PM</p>
<p>Permit</p>	<p>Distance to nearest well calculated at 1,144; operator has distance @ 1,315; Per Statewide spacing if your TD is greater than 2,500' you must be 1,200 from the nearest producing well; called Shawn to discuss and left her a detailed msg</p>	<p>8/20/2010 3:52:11 PM</p>
<p>OGLA</p>	<p>OGLA task passed.</p>	<p>8/9/2010 11:13:18 AM</p>

Total: 5 comment(s)

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