

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:

1813213

Date Received:

05/13/2009

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:

**413056**

Expiration Date:

**08/21/2012**

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: 16800  
 Name: DELTA PETROLEUM CORPORATION  
 Address: 370 17TH ST STE 4300  
 City: DENVER State: CO Zip: 80202

3. Contact Information

Name: BRIAN MACKE  
 Phone: (303) 575-0386  
 Fax: (303) 575-0486  
 email: BMACKE@DELTAPETRO.COM

4. Location Identification:

Name: HARRISON CR PROD WATER RECYCLE Number: \_\_\_\_\_  
FAC  
 County: MESA  
 Quarter: SENE Section: 22 Township: 9S Range: 93W Meridian: 6 Ground Elevation: 7430

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: 1404 feet FNL, from North or South section line, and 304 feet FEL, from East or West section line.  
 Latitude: 39.265921 Longitude: -107.748165 PDOP Reading: 6.0 Date of Measurement: 08/21/2008

Instrument Operator's Name: ALAN VANPELT

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"/>	Wells: <input type="checkbox"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="text" value="2"/>	Water Tanks: <input type="text" value="22"/>	Separators: <input type="checkbox"/>	Electric Motors: <input type="text" value="90"/>	Multi-Well Pits: <input type="checkbox"/>
Gas or Diesel Motors: <input type="text" value="5"/>	Cavity Pumps: <input type="checkbox"/>	LACT Unit: <input type="checkbox"/>	Pump Jacks: <input type="checkbox"/>	Pigging Station: <input type="checkbox"/>
Electric Generators: <input type="text" value="5"/>	Gas Pipeline: <input type="checkbox"/>	Oil Pipeline: <input type="checkbox"/>	Water Pipeline: <input type="text" value="2"/>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="checkbox"/>	VOC Combustor: <input type="text" value="1"/>	Oil Tanks: <input type="checkbox"/>	Fuel Tanks: <input type="checkbox"/>	

Other: WATER TREATMENT PODS (5), UTILITY SKID (5), ELEC HOUSE (5), OPERATOR TRLR (2), MAINT TRLR (1), GYLCOL COOLERS (15), DISTILLATE TANKS (2)

6. Construction:

Date planned to commence construction: 07/01/2009 Size of disturbed area during construction in acres: 8.40  
 Estimated date that interim reclamation will begin: 10/01/2009 Size of location after interim reclamation in acres: 7.50  
 Estimated post-construction ground elevation: 7430 Will a closed loop system be used for drilling fluids: Yes  No   
 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: \_\_\_\_\_

**7. Surface Owner:**  
 Name: DELTA PETROLEUM CORP Phone: (303) 575-0386  
 Address: 370 17TH ST Fax: (303) 575-0486  
 Address: \_\_\_\_\_ Email: BMACKE@DELTAPETRO.COM  
 City: DENVER State: CO Zip: 80202 Date of Rule 306 surface owner consultation: 05/05/2009  
 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 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: \_\_\_\_\_  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: 480, public road: 450, above ground utility: 120,  
 railroad: 95000, property line: 71

**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: 47, HESPERUS-EMPEDRADO, MOIST-PAGODA COMPLEX 5 TO 35 % SLOPES  
NRCS Map Unit Name: 53, PAGODA-HESPERUS COMPLEX, 12 TO 40 % 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: GAMBEL OAK, BIG BLUEGRASS, ELK SEDGE, NODDING BROME, ARIZONA FESCUE,  
MOUNTAIN SNOBERRY, NEEDLE & THREAD, SASKATOON SERVICEBERRY, WESTERN  
WHEATGRASS, MOUNTAIN BROME, SLENDER WHEATGRASS

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: 570, water well: 300, depth to ground water: 140  
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:

SEE ATTACHED SUPPLEMENT FOR ADDITIONAL INFORMATION. THE CDOW AND THE U.S. FISH & WILDLIFE SERVICE WERE CONSULTED ON THIS PROJECT AS PART OF THE MESA COUNTY CONDITIONAL USE PERMIT APPLICATION, AND THEIR COMMENTS ARE ATTACHED. PLANS FOR MITIGATING IMPACT WILDLIFE ARE OUTLINED IN THE ATTACHED SUPPLEMENT. REFERENCE AREA PHOTOS DURING THE GROWING SEASON WILL BE PROVIDED WITHIN 12 MONTHS.

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

Signed: \_\_\_\_\_ Date: 05/14/2009 Email: BMACKE@DELTAPETRO.COM  
Print Name: BRIAN MACKE Title: \_\_\_\_\_

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: 8/22/2009

**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.

**Description**

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**Attachment Check List**

<b>Att Doc Num</b>	<b>Name</b>
1408950	LOCATION PICTURES
1408951	LOCATION PICTURES
1408952	LOCATION DRAWING
1408953	HYDROLOGY MAP
1813213	FORM 2A APPROVED
1813592	CORRESPONDENCE
1813656	PROPOSED BMPs
1813860	CORRESPONDENCE
1813861	PROPOSED BMPs
2012774	LOCATION PICTURES
2012775	LOCATION PICTURES
2012776	CONST. LAYOUT DRAWINGS
2012777	HYDROLOGY MAP
2012778	HYDROLOGY MAP
2012779	ACCESS ROAD MAP
2012780	REFERENCE AREA MAP
2012781	LOCATION DRAWING
2012782	NRCS MAP UNIT DESC
2012783	SENSITIVE AREA DATA
2012784	NRCS MAP UNIT DESC
2012785	CONST. LAYOUT DRAWINGS
400003221	FORM 2A

Total Attach: 22 Files

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>

Total: 0 comment(s)

**Best Management Practices**

<b>No</b>	<b>BMP/COA Type</b>	<b>Description</b>