

FORM
2ARev
04/01State of Colorado
Oil and Gas Conservation Commission

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



DE	ET	OE	ES
----	----	----	----

Document Number:

400151459

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:

425510

Expiration Date:

09/24/2014
☒ 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: North Vega Water Impoundment Number: _____

County: MESA

QuarterQuarter: NWNE Section: 22 Township: 9S Range: 93W Meridian: 6 Ground Elevation: 7445

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: 475 feet FNL, from North or South section line, and 1385 feet FEL, from East or West section line.

Latitude: 39.268140 Longitude: -107.751830 PDOP Reading: 3.7 Date of Measurement: 08/09/2010

Instrument Operator's Name: Jeff Stoddart - Olsson Associates

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"/>	Production Pits: <input type="text" value="1"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text" value="4"/>	Water Tanks: <input type="text"/>	Separators: <input type="text"/>	Electric Motors: <input type="text"/>	Multi-Well Pits: <input type="text"/>
Gas or Diesel Motors: <input type="text"/>	Cavity Pumps: <input type="text"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text"/>	Pigging Station: <input type="text"/>
Electric Generators: <input type="text"/>	Gas Pipeline: <input type="text"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text"/>	

Other: _____

6. Construction:

Date planned to commence construction: 09/01/2011 Size of disturbed area during construction in acres: 3.84
 Estimated date that interim reclamation will begin: 09/01/2036 Size of location after interim reclamation in acres: 3.84
 Estimated post-construction ground elevation: 7419 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: _____

7. Surface Owner:

Name: _____ Phone: _____
 Address: _____ Fax: _____
 Address: _____ Email: _____
 City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: _____
 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 Mgmt. Surety ID: _____

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒
 Distance, in feet, to nearest building: 85, public road: 4800, above ground utilit: 110
 , railroad: 5280, property line: 27

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 Operations
 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 Operations
 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: Hesperus-Empedrado, Moist-Pagoda complex

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: GAMBEL OAK, BIG BLUEGRASS, ELK SEDGE, NODDING BROME, ARIZONA FESCUE,
MOUNTAIN SNOBERRY, NEEDLE & THREAD, SASKATOON SERVICEBERRY, MOUNTAIN
BROME, SLENDER WHEATGRASS, LETTERMAN'S NEEDLEGRASS

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: 100, water well: 900, depth to ground water: 150

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:

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

Signed: _____ Date: 04/08/2011 Email: ggriffin@oaconsulting.com

Print Name: Grant C. Griffin Title: Project Scientist

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. Nashin Director of COGCC Date: 9/25/2011

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.

GENERAL FORM 28 PERMIT COAs:

Conditions of Approval (COAs) attached to the Form 28 Permit will also apply to this Form 2A permit for this location.

Commencement of building/constructing this location is not authorized until the Form 28 permit has been approved.

Prior to the Form 28 permit approval (and therefore start of construction), adequate financial assurance per Rules 704 and 908.11.g.(1)B. are required.

Attachment Check List

Att Doc Num	Name
400151459	FORM 2A SUBMITTED
400151468	OTHER
400152945	LOCATION PICTURES
400152954	LOCATION DRAWING
400152971	LOCATION DRAWING
400152974	ACCESS ROAD MAP
400152975	REFERENCE AREA PICTURES
400152976	NRCS MAP UNIT DESC
400152977	CONST. LAYOUT DRAWINGS
400152993	CONST. LAYOUT DRAWINGS
400152994	PROPOSED BMPs
400152995	OTHER
400152996	NRCS MAP UNIT DESC
400152998	DOW CONSULTATION
400195730	HYDROLOGY MAP
400195731	REFERENCE AREA MAP

Total Attach: 16 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	NO PUBLIC COMMENTS. CDOW PASSED W/ OPER. WMP. FORM 28 TO BE SUBMITTED. FINAL COMPREHENSIVE REVIEW STATUS--PASSED.	9/23/2011 8:48:26 AM
Permit	ready to approve in permitting once all other tasks are completed.	9/21/2011 11:35:38 AM
Permit	req'd surveyor's plat to confirm reference loc. info. Operator has 1385 FWL, not FEL.	9/20/2011 8:05:49 AM
OGLA	Initiated/Completed OGLA Form 2A review on 08-29-11 by Dave Kubeczko; Form 28 COAs on 08-29-11; no CDOW; passed OGLA Form 2A review on 09-22-11 Dave Kubeczko; Form 28 COAs.	8/29/2011 10:05:01 AM
Permit	Returned to draft. Cannot open reference area map and hydrology map.	8/15/2011 2:53:06 PM
Permit	Returned to draft. Hydrology and reference area map attachment won't open. Location ID is east half.	8/15/2011 9:02:13 AM
Permit	<p>pushed back to draft. needs to separate out the individual documents that are on the 112 page attachment and answer the questions below.</p> <p>Documents needed: Location Pictures, Location Drawing, Hydrology map, Access Road map, NRCS unit map, Construction layout drawing, Proposed BMP's should be reported on the BMP tab.</p> <p>I also need answers to the following: Instrument operator's name, Distance to nearest railroad, Related Form number/type, Waste Management Surety ID number. plg.</p>	4/11/2011 3:47:14 PM

Total: 7 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Storm Water/Erosion Control	The following BMPs will be utilized at the proposed site: Armored Rundown, Detention Pond, Earthen Berm, and Wattle. The site will be surrounded by armored rundown and wattle practices. The detention pond will be located to the north of the site. Earthen berms will be utilized to the east of the pond and access road. See Figure 11 - Proposed BMPs for further information.

Total: 1 comment(s)