

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:
400089069

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: 334486

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:
334486
Expiration Date:
10/07/2013

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

3. Contact Information
Name: Hannah Knopping
Phone: (720) 985-6647
Fax: ()
email: hknopping@progressivepcs.net

4. Location Identification:
Name: NVega Pad Number: 5A
County: MESA
QuarterQuarter: NWNW Section: 24 Township: 9S Range: 93W Meridian: 6 Ground Elevation: 7598
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: 584 feet, from North or South section line: FNL and 833 feet, from East or West section line: FWL
Latitude: 39.265967 Longitude: -107.726961 PDOP Reading: 3.1 Date of Measurement: 08/25/2010
Instrument Operator's Name: Robert L. Kay

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

Special Purpose Pits: <input type="text" value="1"/>	Drilling Pits: <input type="text"/>	Wells: <input type="text" value="8"/>	Production Pits: <input type="text" value="1"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text" value="6"/>	Water Tanks: <input type="text" value="2"/>	Separators: <input type="text" value="8"/>	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" value="1"/>
Electric Generators: <input type="text"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="text" value="1"/>	Water Pipeline: <input type="text" value="1"/>	Flare: <input type="text" value="1"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text" value="1"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text"/>	

Other: 1 Cuttings Pit, 1 Metering System; Note: A Form 15 will be submitted 15 days after construction for the special purpose pit since it will be a flare pit w/ no risk of condensate accumulation.

6. Construction:

Date planned to commence construction: 10/01/2010 Size of disturbed area during construction in acres: 3.83
Estimated date that interim reclamation will begin: 04/01/2011 Size of location after interim reclamation in acres: 1.50
Estimated post-construction ground elevation: 7598 Will a closed loop system be used for drilling fluids: Yes [X]
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 [] Land Spreading [] Disposal Facility []
Other: Reclaim wtr & bury cuttings

7. Surface Owner:

Name: Phone:
Address: Fax:
Address: Email:
City: State: Zip: Date of Rule 306 surface owner consultation: 07/19/2007
Surface Owner: [X] Fee [] State [] Federal [] Indian
Mineral Owner: [X] 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 [X] 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: 20090069 [] 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: 5300 , public road: 6650 , above ground utilit: 6650
, railroad: 91872 , property line: 363

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

Crop Land: [] Irrigated [] Dry land [] Improved Pasture [] Hay Meadow [] CRP
Non-Crop Land: [X] 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: [X] 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: 19: Cerro silty clay loam, 6 to 12 percent slopes

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: 08/31/2010

List individual species: Sage brush and grasses. See attached NRCS Plant Composition Report.

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: 505, water well: 1708, depth to ground water: 111

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:

The subject oil and gas location is an existing/built well pad, however Delta is adding new well locations to this pad and is therefore submitting the required Form 2A. The addition of well(s) will not require a pad expansion/additional surface disturbance. The depth to ground water was determined by using static water level data of nearest water well (Permit #241259/Receipt #9501263) The total depth of the water well is 310 feet as shown on the Hydrology Map. #4: The NVega 24-14H well location was used as the reference point for measurement. The gas, water and oil pipelines will be constructed along the existing access road.

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

Signed: _____ Date: 09/02/2010 Email: hknopping@progressivepcs.net

Print Name: Hannah Knopping Title: Regulatory Agent-Delta

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

David S. Neslin

COGCC Approved: _____

Director of COGCC

Date: 10/8/2010

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.

The location is in an area of high run off/run-on potential; therefore the pad shall be constructed to prevent any stormwater run-on and/or stormwater runoff.

The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, the drill cuttings must also meet the applicable standards of table 910-1.

Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations; including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures (i.e., BMPs associated with stormwater management) sufficiently protective of the nearby surface water.

No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.

Reserve pit (or any other pit used to store fluids) must be lined or closed loop system must be implemented during drilling.

Attachment Check List

Att Doc Num	Name	Doc Description
2033411	CORRESPONDENCE	LF@2545155 2033411
400089069	FORM 2A SUBMITTED	LF@2536118 400089069
400089070	NRCS MAP UNIT DESC	LF@2536119 400089070
400089071	OTHER	LF@2536120 400089071
400089072	SURFACE AGRMT/SURETY	LF@2536121 400089072
400089761	ACCESS ROAD MAP	LF@2536122 400089761
400089765	CONST. LAYOUT DRAWINGS	LF@2536123 400089765
400089766	LOCATION DRAWING	LF@2536124 400089766
400089767	LOCATION PICTURES	LF@2536125 400089767
400089768	PROPOSED BMPs	LF@2536126 400089768
400089769	REFERENCE AREA MAP	LF@2536127 400089769
400089770	REFERENCE AREA PICTURES	LF@2536128 400089770
400090200	MULTI-WELL PLAN	LF@2536129 400090200
400090201	HYDROLOGY MAP	LF@2536130 400090201

Total Attach: 14 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Initiated/Completed OGLA Form 2A review on 09-09-10 by Dave Kubeczko; requested clarifications and acknowledgement of fluid containment, spill/release BMPs, cuttings low moisture, no pit in fill, reserve pit lined/closed loop, stormwater control BMP COAs from operator on 09-09-10; received clarifications and acknowledgement of COAs from operator on 09-20-10; no CDOW; passed OGLA Form 2A review on 09-24-10 by Dave Kubeczko; fluid containment, spill/release BMPs, cuttings low moisture, no pit in fill, reserve pit lined/closed loop, stormwater control BMP COAs.	9/9/2010 12:03:33 PM

Total: 1 comment(s)

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