

State 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:

400077369

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:

418842

Expiration Date:

08/19/2013☐ 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: 10051

Name: APOLLO OPERATING LLC

Address: 1538 WAZEE ST STE 200

City: DENVER State: CO Zip: 80202

3. Contact Information

Name: Virginia Lopez

Phone: (303) 928-7128

Fax: (303) 423-8765

email: virginia@petro-fs.com

4. Location Identification:

Name: Martin Number: FacilitiesCounty: WELDQuarter: NESE Section: 12 Township: 3N Range: 68W Meridian: 6 Ground Elevation: 4887

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: 1799 feet, from North or South section line: FSL and 84 feet, from East or West section line: FELLatitude: 40.238656 Longitude: -104.942047 PDOP Reading: 6.0 Date of Measurement: 05/11/2010Instrument Operator's Name: Chris Rice

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="0"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text" value="1"/>	Separators: <input type="text" value="1"/>	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" value="1"/>	Oil Tanks: <input type="text" value="2"/>	Fuel Tanks: <input type="text"/>	

Other: Please see the attached document labeled "Other" for proposed flowlines. The flowlines will be 2 inch diameter fusion bond.

6. Construction:

Date planned to commence construction: 10/01/2010 Size of disturbed area during construction in acres: 0.08
Estimated date that interim reclamation will begin: 01/01/2011 Size of location after interim reclamation in acres: 0.05
Estimated post-construction ground elevation: 4887 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 20080044

8. Reclamation Financial Assurance:

☒ Well Surety ID: 20060105 ☐ 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: 300, public road: 74, above ground utilit: 108
, railroad: 6864, property line: 67

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: Weld Loam, 0 to 1 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: _____

List individual species: Western Wheatgrass, Prairie junegrass, Sideoats grama, needleandthread

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: 235, water well: 2910, depth to ground water: 17

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 Supply 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:

1) All drilling and mineral information have been omitted from application because this is a Facilities 2A. 2) Surface owner has requested that their name and address be withheld from public information. 3) The nearest water well, permit # 17336-MH is 2910 feet away and lists a static water level of 17 feet. The Reference Area is adjacent to the proposed oil and gas location on undisturbed land to the north of the proposed location as shown in the south facing photo.

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

Signed: _____ Date: 07/19/2010 Email: virginia@petro-fs.com

Print Name: Virginia Lopez Title: Regulatory Technician

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: 8/20/2010

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.

Operator must implement best management practices to contain any unintentional release of fluids.

Attachment Check List

Att Doc Num	Name	Doc Description
1641875	CORRESPONDENCE	LF@2519206 1641875
400077369	FORM 2A SUBMITTED	LF@2509470 400077369
400077545	NRCS MAP UNIT DESC	LF@2509471 400077545
400077546	LOCATION DRAWING	LF@2509472 400077546
400077547	LOCATION PICTURES	LF@2509473 400077547
400077548	ACCESS ROAD MAP	LF@2509474 400077548
400077549	HYDROLOGY MAP	LF@2509475 400077549
400077550	PROPOSED BMPs	LF@2509477 400077550

Total Attach: 8 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	OGLA tasl passed.	8/10/2010 7:56:40 AM

OGLA	<p>From: Virginia Lopez [mailto:virginia@petro-fs.com]</p> <p>Sent: Friday, August 06, 2010 9:31 AM</p> <p>To: Andrews, Doug</p> <p>Subject: RE: Doc. 400077369 - COGCC Location Assessment Form 2A review for Apollo Operating's MARTIN FACILITIES</p> <p>Hi Doug,</p> <p>1.Facilities: Please remove the one well on the facilities permit. There will be no well at the facilities.</p> <p>2. Land Use: Please change the current and future land use to Rangeland. Please add the comments " The reference area is adjacent to the proposed oil and gas location on undisturbed land to the North of the proposed location as shown in the South facing photo."</p> <p>3. Plant Community: No noxious weeds will be present; Please check Native Grassland; Western Wheatgrass, Prairie junegrass, Sideoats grama; Needleandthread.</p> <p>4.Water Resources – A review of the nearest water well permit (#37854) indicates the permit expired and the well was never installed. In follow-up conversations you had with David Simon of PFS last week about this water well, it appears this well could not be physically located during site visits by PFS. Therefore it appears to nearest water well is actually water well Permit #17336-MH which is approximately 2,910 feet north-northeast of the proposed tank battery facility. I approve you changing the distance on the Form 2A from 623 feet to 2,910 feet.</p> <p>5.Comments - Because water well Permit #37854 appears to not have been installed, I approve you removing the statement that indicates it is the nearest water well from the Comments on the Form 2A.</p> <p>6. Conditions of Approval – Due to the proximity of surface water (235 feet) and because depth to ground water is shallow (17 feet) in the area of the oil and gas well location, I approve you adding the following COA to the Form 2A: "Operator must implement best management practices to contain any unintentional release of fluids."</p> <p>7. New exhibits reflecting land use are attached.</p> <p>Thank you Doug,</p> <p>Virginia L. Lopez</p> <p>Regulatory Tech., PFS, llc</p>	<p>8/10/2010 7:08:46 AM</p>
Permit	<p>PERMITTING PASSED .</p> <p>Per Virginia Lopez, check the surface owner is "the mineral owner", "committed to the O&G lease", and "the executer of the O&G lease".</p>	<p>8/5/2010 3:26:12 PM</p>

Total: 3 comment(s)

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