

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



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Document Number:

400230632

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:

427262

Expiration Date:

01/07/2015
☒ 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: 10392

Name: TEKTON WINDSOR LLC

Address: 640 PLAZA DRIVE #290

City: HIGHLANDS RANCH State: CO Zip: 80129

3. Contact Information

Name: CLAYTON DOKE

Phone: (970) 669-7411

Fax: (970) 669-4077

email: cdoke@petersonenergy.com

4. Location Identification:

Name: PAVISTMA PAD Number: 13-32

County: WELD

QuarterQuarter: NESW Section: 32 Township: 6N Range: 67W Meridian: 6 Ground Elevation: 4954

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: 2140 feet FSL, from North or South section line, and 259 feet FWL, from East or West section line.

Latitude: 40.441840 Longitude: -104.924710 PDOP Reading: 2.5 Date of Measurement: 11/10/2011

Instrument Operator's Name: WYATT HALL

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="3"/> | Production Pits: <input type="text"/> | Dehydrator Units: <input type="text"/> |
| Condensate Tanks: <input type="text" value="3"/> | Water Tanks: <input type="text" value="3"/> | Separators: <input type="text" value="3"/> | 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="3"/> | Oil Tanks: <input type="text"/> | Fuel Tanks: <input type="text"/> | |

Other: _____

6. Construction:

Date planned to commence construction: 02/01/2012 Size of disturbed area during construction in acres: 2.50
Estimated date that interim reclamation will begin: 11/01/2012 Size of location after interim reclamation in acres: 0.50
Estimated post-construction ground elevation: 4954 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: 11/10/2011
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: 20110188 ☐ 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: 809, public road: 2112, above ground utilit: 2223
, railroad: 5280, property line: 259

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, 1 TO 3 PERCENT SLOPES

NRCS Map Unit Name: Kim loam, 1 to 3 percent 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: _____

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: 1044 , water well: 1912 , depth to ground water: 148

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:

The closest water well to location is permit #: 262798- - located 290' FSL, 415' FWL (SWSW) Sec. 32 6N 67W, approximately 1912' from the location. This well is designated for household use only, and while it does have a report that a pump was installed in 06/2005 there is no record of its first beneficial use, nor that it was actually pumped. Pump depth is reported as 200'. Static water level was determined from water well permit #: 63272- - located 1820' FNL, 1336' FEL (SWNE) Sect. 32 6N 67W , approximately 3866' from location. This well pumped @ 1 gpm with a static water level of 63'. There is no elevation listed for this well, but topographic maps show it as approximately 85' below location. Correcting for this difference results in an estimate of 148' to groundwater at location. Operator requests a Rule 318A(I).a and 318A(I).c exception location; well is to be located outside of a GWA drilling window and will be located more than 50' from an existing location. Request and waiver are attached. Certain Form 2's remain in DRAFT pending legal information for notices. This will be submitted as soon as is practicable.

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

Signed: _____ Date: 12/12/2011 Email: cdoke@petersonenergy.com

Print Name: CLAYTON DOKE Title: PETROLEUM ENGINEER

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: 1/8/2012

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.

Lighting abatement measures beyond the requirements of Rule 803. shall be implemented, including the following, at a minimum: (1) rig oriented to direct light away from nearby residents; (2) install lighting shield devices on all of the more conspicuous lights; (3) low density sodium lighting; and (4) rig shrouded on the north and east sides.

Operator shall provide signage at the Junction of the access road leading to the pad and Weld County Road 62. The signage shall provide the following information at a minimum:

1. Contact information for Tekton Windsor,
2. Contact information for the COGCC complaint line,
3. Number of planned wells, and
4. Anticipated Schedule (From pad construction through final battery construction).

Traffic to and from the location shall be restricted to the access road as depicted on the included Access Road Map. No traffic related to the Pavistma 13-32 pad shall use residential roads to the North and East of the location.

Provide temporary engineering controls to prevent uncontrolled public access during drilling and completion activities.

Temporary engineering controls (consisting of perimeter sound walls, earthen berms, stacked hay bales and/or metal, synthetic or wood sheeting) shall be used on the north and east perimeters of the location during drilling and completion activities to provide noise relief to nearby residents. The COGCC may require additional noise mitigation if measures taken are deemed insufficient.

Permanent equipment on location shall be muffled to reduce noise, or shall be buffered on the north and east sides.

Attachment Check List

| Att Doc Num | Name |
|-------------|-----------------------|
| 2533485 | CORRESPONDENCE |
| 2533486 | NRCS MAP UNIT DESC |
| 2533487 | CORRESPONDENCE |
| 400230632 | FORM 2A SUBMITTED |
| 400230684 | NRCS MAP UNIT DESC |
| 400230686 | MULTI-WELL PLAN |
| 400230692 | LOCATION DRAWING |
| 400230693 | HYDROLOGY MAP |
| 400230695 | LOCATION PICTURES |
| 400231590 | EXCEPTION LOC REQUEST |
| 400231591 | EXCEPTION LOC WAIVERS |
| 400231597 | WASTE MANAGEMENT PLAN |
| 400231653 | ACCESS ROAD MAP |

Total Attach: 13 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|--------------------------|--|----------------------------|
| Permit | Final Review Completed. No LGD or public comment received. | 1/6/2012 1:46:25 PM |
| OGLA | I have received the requested information from the operator. Ready to pass. | 1/4/2012 12:06:03 PM |
| OGLA | I sent the operator a second email on 1/3/2012 to remind the operator that they need to respond to my previous email. | 1/3/2012 8:24:53 AM |
| OGLA | ON HOLD-Operator has not responded to my email sent on 12/21/2011 regarding additional information and Conditions of Approval. | 12/28/2011 10:48:46 AM |
| Permit | Okay to pass pending public comment 1/2/12. | 12/27/2011 10:47:50 AM |
| Permit | Operator corrected surface and minerals information and added access road to attachment. This form has passed completeness. | 12/13/2011 9:33:17 AM |
| Permit | Returned to draft. Missing surface and minerals information. Access road map is missing. | 12/13/2011 7:31:25 AM |

Total: 7 comment(s)

BMP

| <u>Type</u> | <u>Comment</u> |
|--------------------|-----------------------|
| | |

Total: 0 comment(s)