

FORM
2A

Rev
08/13

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:

400499844

Date Received:

11/06/2013

Oil and Gas Location Assessment

☒ New Location ☐ Refile ☐ Amend Existing Location Location#: _____

Submit signed original form. This Oil and Gas Location Assessment is to be submitted to the COGCC for approval prior to any ground disturbance activity associated with oil and gas operations. Approval of this Oil and Gas Location 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. Please see the COGCC website at <http://cogcc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

Location ID:

435380

Expiration Date:

12/10/2016

☐ This location assessment is included as part of a permit application.

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.

Operator

Operator Number: 10112

Name: FOUNDATION ENERGY MANAGEMENT LLC

Address: 16000 DALLAS PARKWAY #875

City: DALLAS State: TX Zip: 75248-6607

Contact Information

Name: Scott Ryan

Phone: (303) 8610504x203

Fax: (303) 8610604

email: sryan@foundationenergy.com

RECLAMATION FINANCIAL ASSURANCE

☒ Plugging and Abandonment Bond Surety ID: 20050066 ☐ Gas Facility Surety ID: _____

☐ Waste Management Surety ID: _____

LOCATION IDENTIFICATION

Name: WICKSTROM Number: 6 CTB

County: WELD

QuarterQuarter: LOT 4 Section: 6 Township: 7N Range: 59W Meridian: 6 Ground Elevation: 4968

Define a single point as a location reference for the facility location. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 247 feet FNL from North or South section line

1317 feet FWL from East or West section line

Latitude: 40.610860 Longitude: -104.025991

PDOP Reading: 1.4 Date of Measurement: 10/11/2013

Instrument Operator's Name: Owen McKee

RELATED REMOTE LOCATIONS

(Enter as many Related Locations as necessary. Enter the Form 2A document # only if there is no established COGCC Location ID#)

This proposed Oil and Gas Location is:

LOCATION ID #

FORM 2A DOC #

Production Facilities Location serves Well(s)

418908

331795

400477369

FACILITIES

Indicate the number of each type of oil and gas facility planned on location

Wells	0	Oil Tanks	4	Condensate Tanks	0	Water Tanks		Buried Produced Water Vaults	
Drilling Pits	0	Production Pits	1	Special Purpose Pits	0	Multi-Well Pits	0	Temporary Large Volume Above Ground Tanks	
Pump Jacks	0	Separators	3	Injection Pumps		Cavity Pumps	0		
Gas or Diesel Motors	0	Electric Motors	0	Electric Generators	0	Fuel Tanks	0	Gas Compressors	0
Dehydrator Units	0	Vapor Recovery Unit		VOC Combustor	1	Flare	0	LACT Unit	0
								Pigging Station	0

OTHER FACILITIES

Other Facility Type

Number

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Per Rule 303.b.(3)C, description of all oil, gas, and/or water pipelines:

For this facility, there will be three 3 inch welded schedule 80 steel line pipes coming into the separators.
Coming off the separators (total for location):
Three 2" FDR7 poly lines for water to water tank
Three 3" threaded schedule 80 steel dump lines for oil to oil tanks
1 main gas line: 3" welded schedule 80 steel

CONSTRUCTION

Date planned to commence construction: 12/15/2013 Size of disturbed area during construction in acres: 1.96
Estimated date that interim reclamation will begin: 12/29/2013 Size of location after interim reclamation in acres: 1.96
Estimated post-construction ground elevation: 4968

DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: No

Is H₂S anticipated? No

Will salt sections be encountered during drilling: No

Will salt based mud (>15,000 ppm Cl) be used? No

Will oil based drilling fluids be used? _____

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: _____

Drilling Fluids Disposal Method: _____

Cutting Disposal: _____

Cuttings Disposal Method: _____

Other Disposal Description:

Beneficial reuse or land application plan submitted? _____

Reuse Facility ID: _____ or Document Number: _____

Centralized E&P Waste Management Facility ID, if applicable: _____

SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: _____

Phone: _____

Address: _____

Fax: _____

Address: _____

Email: _____

City: _____ State: _____ Zip: _____

Surface Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian

Check all that apply. The Surface Owner: ☒ is the mineral owner

☒ is committed to an oil and Gas Lease

☒ has signed the Oil and Gas Lease

☐ is the applicant

The Mineral Owner beneath this Oil and Gas Location is: ☒ Fee ☐ State ☐ Federal ☐ Indian

The Minerals beneath this Oil and Gas Location will be developed from or produced to this Oil and Gas Location: _____

The right to construct this Oil and Gas Location is granted by: oil and gas lease

Surface damage assurance if no agreement is in place: _____ Surface Surety ID: _____

Date of Rule 306 surface owner consultation 10/04/2013

CURRENT AND FUTURE LAND USE

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

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

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 5280 Feet
Building Unit: 5280 Feet
High Occupancy Building Unit: 5280 Feet
Designated Outside Activity Area: 5280 Feet
Public Road: 257 Feet
Above Ground Utility: 5280 Feet
Railroad: 5280 Feet
Property Line: 247 Feet

INSTRUCTIONS:

- All measurements shall be provided from center of nearest Well or edge of nearest Production Facility to nearest of each cultural feature as described in Rule 303.b.(3)A.
- Enter 5280 for distance greater than 1 mile.
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.
- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in 100-Series Rules.

DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a: ☐ Buffer Zone
☐ Exception Zone
☐ Urban Mitigation Area

- Buffer Zone - as described in Rule 604.a.(2), within 1,000' of a Building Unit.
- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.
- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: _____

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: _____

SOIL

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.org/> 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: Platner Loam, 0 to 3 percent slopes (54)

NRCS Map Unit Name: _____

NRCS Map Unit Name: _____

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): _____

WATER RESOURCES

Is this a sensitive area: ☒ No ☐ Yes

Distance to nearest

downgradient surface water feature: 2880 Feet

water well: 2240 Feet

Estimated depth to ground water at Oil and Gas Location 185 Feet

Basis for depth to groundwater and sensitive area determination:

Is the location in a riparian area: ☒ No ☐ Yes

Was an Army Corps of Engineers Section 404 permit filed ☒ No ☐ Yes If yes attach permit.

Is the location within a Rule 317B Surface Water Supply Area buffer No 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: _____

GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule _____

DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- ☐ Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- ☐ Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- ☐ Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- ☐ Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

RULE 502.b VARIANCE REQUEST

- ☐ Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number _____

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

OPERATOR COMMENTS AND SUBMITTAL

Comments

This form 2A is for the addition of production facilities for a proposed well to an existing central production facility location. Because a form 2A was not submitted by the previous operator for this existing production facility location, we have included all existing equipment, in addition to the equipment that will be needed to serve the proposed Wickstrom 6-4 well. Currently this location serves the Wickstrom 6-5 & Wickstrom 6-12 wells, which are located on the same lease.

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

Signed: _____ Date: 11/06/2013 Email: mstark@foundationenergy.com

Print Name: Matt Stark 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:  Director of COGCC Date: 12/11/2013

Conditions Of Approval

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.

COA Type

Description

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Best Management Practices

No BMP/COA Type

Description

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Attachment Check List

Att Doc Num

Name

1667948	LOCATION PICTURES
1667949	NRCS MAP UNIT DESC
1667950	CORRESPONDENCE
400499844	FORM 2A SUBMITTED
400500118	LOCATION DRAWING
400500123	HYDROLOGY MAP
400500141	ACCESS ROAD MAP
400500145	SURFACE AGRMT/SURETY
400500149	CONSULT NOTICE
400509958	REFERENCE AREA MAP
400509960	REFERENCE AREA PICTURES
400509963	OTHER
400511437	OIL & GAS LEASE

Total Attach: 13 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	OGLA task passed.	12/3/2013 8:34:53 AM
Permit	No LGD or public comments. Final Review--passed.	12/3/2013 8:02:01 AM
OGLA	COGCC will administratively relate pit 273445 (Wickstrom 6-5) to this location and remove it from Location ID 331795.	12/3/2013 7:40:13 AM
Permit	Deleted related docs: not pertinent.	11/26/2013 2:42:18 PM
OGLA	IN PROCESS - added operator provided pipeline description, NRCS Description attachment and Location Pictures attachment. Changed distance to nearest surface water feature from 5,280 feet to 2,880 feet. OGLA review complete.	11/20/2013 3:32:30 PM
OGLA	ON HOLD - Requested pipeline description, NRCS Description attachment, Location Pictures attachment, and changed distance to nearest surface water. Due by 12/14/13.	11/14/2013 10:38:33 AM
Permit	This form has passed completeness.	11/12/2013 1:34:34 PM
Permit	Returned to draft: Need Social Security # on O&G lease removed.	11/12/2013 12:23:05 PM
Permit	Returned to draft: Reference area cannot be within the disturbed area. Need reference area pictures and map outside the disturbed area.	11/7/2013 2:28:21 PM

Total: 9 comment(s)