

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:

400670488

Date Received:

09/12/2014

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:

440174

Expiration Date:

11/27/2017

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: 10464

Name: CATAMOUNT ENERGY PARTNERS LLC

Address: 1801 BROADWAY #1000

City: DENVER State: CO Zip: 80202

Contact Information

Name: Nolan Redmond

Phone: (720) 484-2347

Fax: (720) 484-2363

email: nredmond@catamountep.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20130096 Gas Facility Surety ID: _____

Waste Management Surety ID: _____

LOCATION IDENTIFICATION

Name: Elsa

Number: 34-6-19

County: LA PLATA

Quarter: SESE Section: 19 Township: 34N Range: 6W Meridian: M Ground Elevation: 6973

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: 1303 feet FSL from North or South section line

290 feet FEL from East or West section line

Latitude: 37.172660 Longitude: -107.533660

PDOP Reading: 2.1 Date of Measurement: 05/01/2014

Instrument Operator's Name: Scott Weibe

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 #



FACILITIES

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

Wells	<u>2</u>	Oil Tanks	<u> </u>	Condensate Tanks	<u> </u>	Water Tanks	<u>2</u>	Buried Produced Water Vaults	<u> </u>
Drilling Pits	<u> </u>	Production Pits	<u> </u>	Special Purpose Pits	<u> </u>	Multi-Well Pits	<u> </u>	Temporary Large Volume Above Ground Tanks	<u> </u>
Pump Jacks	<u>2</u>	Separators	<u>2</u>	Injection Pumps	<u> </u>	Cavity Pumps	<u> </u>		
Gas or Diesel Motors	<u>2</u>	Electric Motors	<u> </u>	Electric Generators	<u> </u>	Fuel Tanks	<u> </u>	Gas Compressors	<u> </u>
Dehydrator Units	<u> </u>	Vapor Recovery Unit	<u> </u>	VOC Combustor	<u> </u>	Flare	<u> </u>	LACT Unit	<u> </u>
								Pigging Station	<u> </u>

OTHER FACILITIES

Other Facility Type

Number

<input type="text"/>	<input type="text"/>
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Per Rule 303.b.(3)C, description of all oil, gas, and/or water pipelines:

Catamount is currently evaluating pipeline options. Flowline from the wellheads to the separators will be 2" steel; the water flowline to the tanks will be 2" steel; the gas flowline/pipeline will be sized after completion and production testing of the wells.

CONSTRUCTION

Date planned to commence construction: 12/01/2014 Size of disturbed area during construction in acres: 2.17
Estimated date that interim reclamation will begin: 08/01/2015 Size of location after interim reclamation in acres: 1.54
Estimated post-construction ground elevation: 6973

DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: Yes

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? No

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE Drilling Fluids Disposal Method: Commercial Disposal

Cutting Disposal: OFFSITE Cuttings Disposal Method: Commercial Disposal

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: Elizabeth Hallowell Phone:

Address: 3672 County Road 523

Fax: _____

Address: _____

Email: _____

City: Bayfield State: CO Zip: 81122

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: No

The right to construct this Oil and Gas Location is granted by: Surface Use Agreement

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

Date of Rule 306 surface owner consultation 06/21/2014

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: 1817 Feet
Building Unit: 1886 Feet
High Occupancy Building Unit: 5280 Feet
Designated Outside Activity Area: 5280 Feet
Public Road: 3998 Feet
Above Ground Utility: 1817 Feet
Railroad: 5280 Feet
Property Line: 290 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 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: Not available - NO SOIL DATA AVAILABLE FOR THIS AREA
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: 05/01/2014
List individual species: Big sagebrush, Juniper, Pinyon

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: 172 Feet

water well: 2183 Feet

Estimated depth to ground water at Oil and Gas Location 16 Feet

Basis for depth to groundwater and sensitive area determination:

Average static water level in water well in SWNE S20 T34N R6W and water well in NESW S19 T34N R6W

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 608

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

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

Signed: _____ Date: 09/12/2014 Email: nredmond@catamountep.com

Print Name: Nolan Redmond Title: Geo/Eng Tech

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: 11/28/2014

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.

<u>COA Type</u>	<u>Description</u>
	<p>Operator shall pressure test pipelines in accordance with Rule 1101.e.(1) prior to putting into initial service any temporary surface or permanent buried pipelines and following any reconfiguration of the pipeline network.</p> <p>Operator will utilize, to the extent practical, all existing access and other public roads, and/or existing pipeline right-of-ways, when placing/routing the surface pipelines. This will reduce surface disturbance.</p>
	<p>The moisture content of any cuttings in a cuttings trench or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts.</p> <p>Flowback and stimulation fluids must be sent to tanks, separators, or other containment/filtering equipment before the fluids can be placed into any pipeline or storage vessel located on the well pad; or into tanker trucks for offsite disposal. The flowback and stimulation fluid tanks, separators, or other containment/filtering equipment must be placed on the well pad in an area constructed to be sufficiently impervious to contain any spilled or released material.</p> <p>Potential odors associated with the completions process and/or with long term production operations must be controlled/mitigated.</p>
	<p>Operator must ensure 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., best management practices (BMPs) associated with stormwater management) sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals (at least every 14 days), and maintained in good condition.</p> <p>COA 44 - The access road will be constructed and maintained as to not allow any sediment to migrate from the access road to nearby surface water or any drainages leading to surface water.</p> <p>Strategically apply fugitive dust control measures, including enforcing established speed limits on the adjacent county road 523 and private roads, to reduce fugitive dust and coating of vegetation and deposition in water sources.</p> <p>Berms or other containment devices shall be constructed to be sufficiently impervious (corrugated steel with poly liner) to contain any spilled or released material around permanent crude oil, condensate, and produced water storage tanks.</p>
	<p>Notify the COGCC 48 hours prior to start of pad construction, rig mobilization, spud, start of hydraulic stimulation operations, start of flowback operations, and pipeline testing using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).</p>

Best Management Practices

No	BMP/COA Type	Description
1	Wildlife	Catamount agrees not to commence surface disturbing activities, construction activities, drilling, or non-emergency workover activities if there is one (1) foot of snow or greater on the ground of the Well Pad without obtaining permission of the surface owner. Catamount will consult with the Surface Owner before activities occurring when snow is present. Catamount will consult with the surface owner regarding the composition of the seed mix prior to interim or final reclamation and will use CPW's recommended seed mix if the surface owner is agreeable.
2	Construction	Standard stormwater BMPs will be implemented during construction and may include the following: Erosion Control: Seeding, mulching, berms, check dams, grading techniques Sediment Control: Erosion bales, sediment traps, gravel barriers, sediment basins
3	Drilling/Completion Operations	A closed loop system will be used during drilling operations so a pit will be unnecessary.
4	Final Reclamation	Equipment will be painted with dull, non reflective paint slightly darker than the surrounding landscape. Noxious weeds will be controlled onsite by herbicide application based on recommendations from the La Plata County weed control technician and will be applied by a professional.

Total: 4 comment(s)

Attachment Check List

Att Doc Num	Name
2107183	OPERATOR CO-LOCATION FEASIBILITY EVALUATION
2107184	CORRESPONDENCE
2107185	COW CORRESPONDENCE and PROPOSED BMPs
2107186	CONST. LAYOUT DRAWINGS
2107187	MULTI-WELL PLAN
2107188	OPERATOR RESPONSE TO CPW PROPOSED WILDLIFE BMPs
2107189	SURFACE OWNER CPW CONSULTATION AND BMPs WAIVER
2519321	LOCATION DRAWING
2519328	REFERENCE AREA PICTURES
2519329	REFERENCE AREA MAP
400670488	FORM 2A SUBMITTED
400685250	SURFACE AGRMT/SURETY
400685260	ACCESS ROAD MAP
400685262	WELL LOCATION PLAT
400685267	LOCATION PICTURES
400685270	CONST. LAYOUT DRAWINGS
400685273	FACILITY LAYOUT DRAWING
400686450	HYDROLOGY MAP

Total Attach: 18 Files

General Comments

User Group	Comment	Comment Date
Final Review	Corrected distance to nearest public road from 4982' (CR 523 to west) to 3998' (FS 335 to southeast).	11/28/2014 5:39:07 PM
DOW	<p>It is CPW preference to utilize existing infrastructure to avoid, minimize, and mitigate potential impacts to wildlife. We request, that COGCC have Catamount prepare a written technical feasibility explanation of why Catamount cannot use the existing BP pad or move the pad further to the west. Should the analysis demonstrate that using the BP pad is not technically or economically feasible we recommend the following conditions of approval for which we have obtained surface owner consent.</p> <p>In order to avoid impacts to wintering big game, operator shall not construct surface disturbing activities, construction activities, drilling, or non-emergency workover activities from December 1-April 1 annually for the life of the well. In addition, between December 1 and April 1 each year, all non-emergency activities and routine well site visitation associated with maintaining production from the facility shall occur between the hours of 10:00 am- 3:00 pm.</p> <p>Operator shall utilize the wildlife friendly seed mix described in Attachment in all interim reclamation. The operator shall submit seed tags to the COGCC.</p> <p>In addition, if the pad cannot be moved onto or adjacent to the existing pad, residual unavoidable impacts to wildlife will remain even with the above COAs. Therefore, we recommend to the COGCC that the operator conduct a compensatory mitigation project to offset these remaining impacts to wildlife. Compensatory mitigation in this instance might include some type of wildlife habitat creation or habitat improvement project to occur near the impact site. Depending on the COGCCs determination on the technical and economic feasibility of utilizing the existing pad we can refine our suggestions for appropriate compensatory mitigation offsets should that be necessary.</p>	10/24/2014 4:41:12 PM
OGLA	Initiated/Completed OGLA Form 2A review on 10-22-14 by Dave Kubeczko, requested acknowledgement of notification, fluid containment, sediment control access road, dust control, spill/release BMPs, flowback to tanks, cuttings low moisture content, pipeline testing, odor control, and tank berming COAs from operator on 10-22-14; received acknowledgement of COAs from operator on 10-?-14; corrected to 'sensitive area' due to close SW (172') and shallow GW (16' bgs); conducted surface owner (surface owner did not attend) onsite and wildlife consultation on 10-07-14; passed by CPW on 10-24-14 with recommendation to co-locate on BP pad 1200' to the west, or place winter big game timing stipulation on permit; surface owner and operator have agreed to two (2) wildlife related BMPs independent of the CPW consultation on 11-14-14; surface owner signed a waiver indicating she does not consent to any permit specific conditions of approval relating to Wildlife Resources as described in COGCC's Rules 306.c. and 1202, or general operating requirements in COGCC Rule 1203 (see attached SURFACE OWNER CPW CONSULTATION AND BMPs WAIVER); corrected distance to nearest public road from 4982' (CR 523 to west) to 3998' (FS 335 to southeast) on the Form 2A and Form 2; passed OGLA Form 2A review on 10-24-14 by Dave Kubeczko; notification, fluid containment, sediment control access road, dust control, spill/release BMPs, flowback to tanks, cuttings low moisture content, pipeline testing, odor control, and tank berming COAs.	10/22/2014 5:08:49 PM
Permit	Attached reference area map and pictures.	9/22/2014 9:34:16 AM
Permit	Attached revised location drawing.	9/18/2014 9:21:13 AM
Permit	Missing reference area pics and map.	9/16/2014 1:01:39 PM
Permit	Missing location drawing.	9/16/2014 12:33:22 PM
Permit	Passed Completeness	9/15/2014 9:20:01 AM
Total: 8 comment(s)		