

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:

401314079

(SUBMITTED)

Date Received:

07/13/2017

Oil and Gas Location Assessment

New Location     Refile     Amend Existing Location    Location#: 311896

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:

**311896**

Expiration Date:

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) 484-2344  
 Fax: (720) 484-2363  
 email: nredmond@catamountep.com

RECLAMATION FINANCIAL ASSURANCE

- Plugging and Abandonment Bond Surety ID: 20160137                       Gas Facility Surety ID: \_\_\_\_\_
- Waste Management Surety ID: \_\_\_\_\_

LOCATION IDENTIFICATION

Name: HERRERA B-N33N8W                      Number: 20 NENE  
 County: LA PLATA  
 Quarter: NENE    Section: 20    Township: 33N    Range: 8W    Meridian: N    Ground Elevation: 6752

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: 1167 feet FNL from North or South section line  
 1081 feet FEL from East or West section line

Latitude: 37.093510                      Longitude: -107.735550  
 PDOP Reading: 1.8                      Date of Measurement: 06/07/2017  
 Instrument Operator's Name: Nelson Ross



## 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: Joe & Sue Herrera Phone:           

Address: PO Box 12 Fax:           

Address:            Email:           

City: Ignacio State: CO Zip: 81137

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: Yes

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 06/07/2017

## 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

Provide the distance to the nearest cultural feature as measured from Wells or Production Facilities onsite.

	From WELL	From PRODUCTION FACILITY
Building:	714 Feet	576 Feet
Building Unit:	908 Feet	970 Feet
High Occupancy Building Unit:	5280 Feet	5280 Feet
Designated Outside Activity Area:	5280 Feet	5280 Feet
Public Road:	1000 Feet	1157 Feet
Above Ground Utility:	1000 Feet	1157 Feet
Railroad:	5280 Feet	5280 Feet
Property Line:	128 Feet	142 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.
- For measurement purposes only, Production Facilities should only include those items with an asterisk(\*) on the Facilities Tab.

## 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.
- Large UMA Facility - 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: 06/07/2017

## FOR MULTI-WELL PADS AND PRODUCTION FACILITIES WITHIN DESIGNATED SETBACK LOCATIONS ONLY:

- Check this box if this Oil and Gas Location has or will have Production Facilities that serve multiple wells (on or offsite) and the Production Facilities are proposed to be located less than 1,000 feet from a Building Unit. *(Pursuant to Rule 604.c.(2)E.i., the operator must evaluate alternative locations for the Production Facilities that are farther from the Building Unit, and determine whether those alternative locations were technically feasible and economically practicable for the same proposed development.)*
- By checking this box, I certify that no alternative placements for the Production Facilities, farther from the nearest Building Unit, were available based on the analysis conducted pursuant to Rule 604.c.(2)E.i.

In the space below, explain rationale for siting the multi-well Production Facility(ies) that supports your Rule 604.c.(2)E.i determination. Attach documentation that supports your determination to this Form 2A.

New Wells will be located on an existing pad with no new disturbance.

## 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: 10—Bayfield silty clay loam, 1 to 3 percent slopes

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:  Feet

water well:  Feet

Estimated depth to ground water at Oil and Gas Location  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 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: \_\_\_\_\_

Is the Location within a Floodplain?  No  Yes Floodplain Data Sources Reviewed (check all that apply)

Federal (FEMA)

State

County

Local

Other

## GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule

## WILDLIFE

This location is included in a Wildlife Mitigation Plan

This location was subject to a pre-consultation meeting with CPW held on \_\_\_\_\_

## Operator Proposed Wildlife BMPs

No BMP

## DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- Rule 604.a.(1)A. Exception Zone (within 500' of a Building Unit) and is in an Urban Mitigation Area
- 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 Catamount would like to add 2 new wells and related surface equipment to the existing location, the IGS 144 and the IGS 145B. The IGS 144 Form 2 is being refiled and was previously permitted as API #05-067-09533. A 150' property line waiver is in the COGCC well file.

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

Signed: \_\_\_\_\_ Date: 07/13/2017 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: \_\_\_\_\_

## 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

<u>COA Type</u>	<u>Description</u>

## Best Management Practices

No	BMP/COA Type	Description
1	Drilling/Completion Operations	<p>Rule 604.c.(2) Mitigation Measures for the IGS 145B and IGS 144; NENE Sec 20 T33N R8W; La Plata County, Colorado</p> <p>A.) Noise - Sound mitigation will be used around the pump jacks and/or production equipment if necessary in order to comply with the residential/agricultural/rural requirements in Rule 802. Drilling, completion, workover, and construction operations will also comply with Rule 802.</p> <p>B.) Closed Loop Drilling Systems - A closed loop drilling system will be used. No pits are planned.</p> <p>C.) Green Completions - Emission Control Systems; Pipelines and production equipment, including burning flares, capable of supporting green completions will be used.</p> <p>D.) Traffic Plan - Access is from La Plata County Road 318. Operator will comply with any La Plata County traffic control measures required for this well. Access road will be maintained for all weather use and be able to accommodate local emergency vehicle access requirements.</p> <p>E.) Multiwell Pads - Two additional wells will be drilled from the existing pad in the NENE of Sec 20 T33N R8W. No additional disturbance is planned..</p> <p>F.) Leak Detection Plan - Pipelines will be pressure tested prior to use and wells will be monitored daily.</p> <p>G.) Berm Construction - Secondary containment berms with poly liner will be built around produced water storage tanks upon completion and will be large enough to contain 150% of the largest single tank. It will be inspected regularly and maintained in good condition.</p> <p>H.) Blowout Preventer Equipment (BOPE) - BOPE equipment will consist of a double ram with blind ram and pipe ram.</p> <p>I.) BOPE Testing for Drilling Operations - BOPE will be pressured tested upon initial rig up and at least once every 30 days during drilling operations.</p> <p>J.) BOPE for Well Servicing Operations - Adequate blowout prevention equipment will be used on all well servicing operations.</p> <p>K.) Pit level Indicators – No pits are planned for this location; however, if it becomes necessary to construct a pi, pit level indicators will be used.</p> <p>L.) Drill Stem Tests - No drill stem tests will be performed.</p> <p>M.) Fencing requirements - Fencing will be placed around all equipment with moving parts and will be designed and constructed to keep wildlife away from the equipment.</p> <p>N.) Control of Fire Hazards - Any material not in use that might constitute a fire hazard shall be removed a minimum of 25 feet from the wellhead, tanks, and separators. Any electrical equipment installations inside the bermed area shall comply with API RP 500 classifications and comply with the current national electrical code as adopted by the State of Colorado.</p> <p>O.) Loadlines - Loadlines will be bullplugged or capped.</p> <p>P.) Removal of Surface Trash - All surface trash, debris, scrap or discarded material connected with the operations of the property will be removed from the premises and disposed of in a legal manner.</p> <p>Q. Guy Line Anchors - Guy line anchors will be identified by a marker of bright color not less than 4 feet in height and not greater than one foot east of the guy line anchor.</p> <p>R.) Tank Specifications - No crude oil or condensate storage tanks will be used.</p> <p>S.) Access Roads - Access road will maintained for all weather use and be able to accommodate local emergency vehicle access requirements.</p> <p>T.) Well Site Cleared - Within 90 days after the wells are plugged and abandoned the well site shall be cleared of all nonessential equipment, trash, and debris.</p> <p>U.) Identification of Plugged and Abandoned Wells - Upon plugging and abandoning the well the location of the wellbore shall be marked with a permanent monument as specified in Rule 319.a(5).</p> <p>V.) Development from Existing Well Pads - The additional wells will be drilled from an existing pad with no new disturbance.</p> <p>W.) Site Specific Measures -</p>
2	Drilling/Completion Operations	A closed loop system will be used during drilling operations so a pit will be unnecessary.

Total: 2 comment(s)

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401314079	FORM 2A SUBMITTED
401339362	LOCATION DRAWING
401339366	LOCATION PICTURES
401339369	CONST. LAYOUT DRAWINGS
401339372	ACCESS ROAD MAP
401339387	SURFACE AGRMT/SURETY
401339394	WAIVERS
401340502	HYDROLOGY MAP
401340544	WASTE MANAGEMENT PLAN
401341014	MULTI-WELL PLAN
401341017	LOCATION DRAWING
401341164	FACILITY LAYOUT DRAWING
401341209	NRCS MAP UNIT DESC

Total Attach: 13 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)

**Public Comments**

No public comments were received on this application during the comment period.

