

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:

401543391

(SUBMITTED)

Date Received:

02/26/2018

Oil and Gas Location Assessment

☐ New Location ☐ Refile ☒ Amend Existing Location Location#: 326237

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:

326237

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) 484-2347

Fax: ()

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: JAQUES-N33N8W

Number: 27NWSE

County: LA PLATA

QuarterQuarter: NWSE Section: 27 Township: 33N Range: 8W Meridian: N Ground Elevation: 6728

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: 1446 feet FSL from North or South section line

1409 feet FEL from East or West section line

Latitude: 37.071680 Longitude: -107.700380

PDOP Reading: 1.6 Date of Measurement: 01/31/2018

Instrument Operator's Name: Nelson Ross

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	4	Oil Tanks*		Condensate Tanks*		Water Tanks*	2	Buried Produced Water Vaults*	
Drilling Pits		Production Pits*		Special Purpose Pits		Multi-Well Pits*		Modular Large Volume Tanks	
Pump Jacks	4	Separators*	4	Injection Pumps*		Cavity Pumps*		Gas Compressors*	
Gas or Diesel Motors*	4	Electric Motors		Electric Generators*		Fuel Tanks*		LACT Unit*	
Dehydrator Units*		Vapor Recovery Unit*		VOC Combustor*		Flare*		Pigging Station*	

OTHER FACILITIES*

Other Facility Type

Number

Those facilities indicated by an asterisk () shall be used to determine the distance from the Production Facility to the nearest cultural feature on the Cultural Setbacks Tab.

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

Pipelines will consist of the following:
New Onsite flowlines: 1"-4" gas & water steel piping rated from 150 to ANSI 600 pressure rating from wellhead through facilities to the pipelines.
Offsite gas pipeline: Existing 4" steel gas pipeline
New Onsite water pipeline: 3" poly SDR-11 w/a 160 psi pressure rating, from separator to produced water storage tanks.
Subject to availability, and final design engineering.

CONSTRUCTION

Date planned to commence construction: 04/16/2018

Size of disturbed area during construction in acres: 2.20

Estimated date that interim reclamation will begin: 09/01/2018

Size of location after interim reclamation in acres: 1.66

Estimated post-construction ground elevation: 6728

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: Danny Jaques

Phone: _____

Address: PO Box 71

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: 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 02/10/2018

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:	322 Feet	315 Feet
Building Unit:	322 Feet	315 Feet
High Occupancy Building Unit:	5280 Feet	5280 Feet
Designated Outside Activity Area:	5280 Feet	5280 Feet
Public Road:	5280 Feet	5280 Feet
Above Ground Utility:	131 Feet	80 Feet
Railroad:	5280 Feet	5280 Feet
Property Line:	2008 Feet	2008 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: 12/29/2017

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.

Production Facilities were located on the wellpad as far as possible from the uninhabited dwelling.

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: 5—Arboles clay, 3 to 12 percent slopes

NRCS Map Unit Name: 82—Zyme-Rock outcrop complex, 12 to 65 percent slopes

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: Indian ricegrass, junegrass, western wheatgrass, big sagebrush, gambel oak, squaw apple, bitterbrush, pinyon, rocky mountain juniper, needleandthread, blue grama, mountain mahogany, bitterbrush, serviceberry.

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: 436 Feet

water well: 2030 Feet

Estimated depth to ground water at Oil and Gas Location 192 Feet

Basis for depth to groundwater and sensitive area determination:

Depth to static water level in nearest water well.

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: No

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 608

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: This application is for a pad expansion of the JAKUES-N33N8W-27NWSE to accommodate 3 additional wells. There is currently a utility line running adjacent to the location. Per a meeting with the La Plata Electric Association on 3/12/2018, the line will be relocated further to the east and will be greater than 200' from the proposed new facilities. The new distance to the utility line will be updated as soon as possible prior to final approval.

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

Signed: _____ Date: 02/26/2018 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

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Best Management Practices

No BMP/COA Type

Description

1	Dust control	Dust control methods including enforcing established speed limits on private roads and watering the roads (when permitted by landowner) and location when conditions are dry shall be employed.
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2	Construction	Facilities will be painted with uniform, non-contrasting, non-reflective color tones slightly darker than the adjacent landscape.
3	Noise mitigation	Catamount will attempt to electrify the facility if feasible. If Catamount is unable to electrify the facility, hospital grade mufflers will be used and sound walls will be installed if necessary.
4	Odor mitigation	Operator will regulate odors in accordance with COGCC Rule 805.
5	Drilling/Completion Operations	Lighting will be directed downward and inward to the greatest extent practicable during drilling and completion operations. No permanent lighting is anticipated.

SUBMITTED

6	Drilling/Completion Operations	<p>Rule 604.c.(2) Mitigation Measures for the Jaques 10, 11, & 12; NWSE Sec 27 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 - Three additional wells will be drilled from the existing pad in the NWSE of Sec 27 T33N R8W in order to minimize surface disturbance.</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 pit, 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>	
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Total: 6 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401543391	FORM 2A SUBMITTED
401555965	LOCATION DRAWING
401555969	LOCATION DRAWING
401555970	WELL LOCATION PLAT
401555972	MULTI-WELL PLAN
401555973	CONST. LAYOUT DRAWINGS
401555975	ACCESS ROAD MAP
401555976	NRCS MAP UNIT DESC
401555978	NRCS MAP UNIT DESC
401555982	LOCATION PICTURES
401556170	REFERENCE AREA PICTURES
401556171	REFERENCE AREA MAP
401556175	HYDROLOGY MAP
401556189	SURFACE AGRMT/SURETY
401556201	WASTE MANAGEMENT PLAN
401556268	FACILITY LAYOUT DRAWING
401567381	RULE 305A CERTIFICATION OF COMPLIANCE

Total Attach: 17 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.

