

FORM  
2A

Rev  
04/18

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:

401682882

Date Received:

07/27/2018

Oil and Gas Location Assessment

New Location     Refile     Amend Existing Location    Location#: \_\_\_\_\_

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:

**463062**

Expiration Date:

**03/05/2022**

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: 10243  
 Name: GMT EXPLORATION COMPANY LLC  
 Address: 1560 BROADWAY STE 2000  
 City: DENVER    State: CO    Zip: 80202

Contact Information

Name: Whitney Eberhardt  
 Phone: (303) 586 9289  
 Fax: (720) 946 3034  
 email: w.eberhardt@gmtexploration.com

FINANCIAL ASSURANCE

- Plugging and Abandonment Bond Surety ID (Rule 706): 20070102     Gas Facility Surety ID (Rule 711): \_\_\_\_\_
- Waste Management Surety ID (Rule 704): \_\_\_\_\_

LOCATION IDENTIFICATION

Name: L&S    Number: 3-65 12-11 Pad  
 County: ADAMS  
 Quarter: NESE    Section: 12    Township: 3S    Range: 65W    Meridian: 6    Ground Elevation: 5438

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: 2490 feet FSL from North or South section line  
435 feet FEL from East or West section line

Latitude: 39.804535    Longitude: -104.604329

PDOP Reading: 1.5    Date of Measurement: 06/08/2018

Instrument Operator's Name: Ian Carabajal



## 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: L & S Capital LTD

Phone:         

Address: 800 US Highway 36

Fax:         

Address:         

Email:         

City: Byers State: CO Zip: 80103-9700

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: oil and gas lease

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

Date of Rule 306 surface owner consultation         

## 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:	2419 Feet	2032 Feet
Building Unit:	2509 Feet	2139 Feet
High Occupancy Building Unit:	5280 Feet	5280 Feet
Designated Outside Activity Area:	5280 Feet	5280 Feet
Public Road:	2460 Feet	2062 Feet
Above Ground Utility:	2222 Feet	2137 Feet
Railroad:	5280 Feet	5280 Feet
Property Line:	150 Feet	130 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

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: \_\_\_\_\_

- 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.

## 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.

## 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: AsB - Ascalon sandy loam, 0 to 3 percent slopes

NRCS Map Unit Name: Bt - Blakeland-Truckton association

NRCS Map Unit Name: PIB - Platner loam, 0 to 3 percent slopes

**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: 726 Feet

water well: 1454 Feet

Estimated depth to ground water at Oil and Gas Location 25 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: \_\_\_\_\_

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 609

**WILDLIFE**

This location is included in a Wildlife Mitigation Plan

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

### 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

- No Facility Layout required since no building units within 1000' buffer zone.
- No Waste Management Plan required since no building units within 1000' buffer zone and not in GWA.
- No Reference Area Map and Photos required since land use is crop land.

SPCC control and counter measures plans will be in place to address construction, drilling, and operations associated with oil and gas development throughout the state of Colorado in accordance with CFR 112 prior to any construction, drilling or operations related activity.

The SWMP in place will be in accordance with CDPHE General Permit Rules.

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

Signed: \_\_\_\_\_ Date: 07/27/2018 Email: regulatory@ascentgeomatics.com

Print Name: Justin Garrett Title: Regulatory Analyst

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: 3/6/2019

### 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**

COA Type	Description

## Best Management Practices

No	BMP/COA Type	Description
1	Traffic control	Access roads will be constructed to accommodate emergency vehicles. This road will be maintained for access at all times.
2	General Housekeeping	Equipment shall be painted with uniform, non-contracting, non-reflective color tones and with colors matched to, but slightly darker than the surrounding landscape. Operator will maintain appearance with garbage clean up. A trash bin will be located on site to accumulate waste by the personnel drilling the wells. Any trash or unused equipment will be removed immediately. Operator will maintain the surface area and access roads free of trash, debris, and noxious weeds.
3	Storm Water/Erosion Control	Implement and maintain BMP's to control storm water runoff in a manner that minimizes erosion, transport of sediment off site, and site degradation. Co-locate gas and water gathering lines whenever feasible, and mitigate any erosion problems that arise due to the constructions pf any pipelines.
4	Material Handling and Spill Prevention	Additionally, monthly SPCC inspections will be conducted. All material that is considered a fire hazard shall be a minimum of 25' from the wellhead. Electrical equipment will comply with the current national electrical code. Operator will comply with state and federal laws, rules and regulations governing the presence of any petroleum products, toxic or hazardous chemicals or wastes.

Total: 4 comment(s)

## Attachment Check List

Att Doc Num	Name
401682882	FORM 2A SUBMITTED
401683262	NRCS MAP UNIT DESC
401683263	NRCS MAP UNIT DESC
401683264	NRCS MAP UNIT DESC
401683266	MULTI-WELL PLAN
401683268	ACCESS ROAD MAP
401683270	HYDROLOGY MAP
401683272	LOCATION PICTURES
401691331	LOCATION DRAWING

Total Attach: 9 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Final Review Completed.	02/26/2019
Permit	Permitting Review Complete.	02/11/2019
OGLA	<p>Location appears to lie within rangeland based on the 2017, 2015 and 2013 aerial photographs and the Location Pictures. Nearby Location (ID #455750) is permitted as rangeland. Land use is designated as dry land crop land on the Location Drawing and the Form 2A. Verifying land use with the Operator. Rangeland requires a Reference Area.</p> <ul style="list-style-type: none"> <li>- Waiting on Operator verification - 09/21/2018</li> <li>- Waiting on Operator verification - 10/30/2018</li> <li>- Spoke with the Operator. Operator will be verifying with the Land Man. - 11/20/2018</li> <li>Operator confirmed the Location lies on dry land crop land. - 01/03/2018</li> </ul> <p>AsB soil unit is listed as AsB - Ascalon sandy loam, 1 to 3 percent slopes on the NRCS Map Overlay. AsB is actually AsB - Ascalon sandy loam, 0 to 3 percent slopes. Operator list is correct.</p> <p>Changed the estimated depth to groundwater to 25 feet bgs based on the static water level reported for DWR Water Well Permit #11897-F. Changed the Basis Statement to reflect DWR Permit#11897-F.</p> <ul style="list-style-type: none"> <li>- Operator concurrence - 11/20/2018</li> </ul> <p>Moved the following to the Submit Tab as these are not enforceable BMPs under COGCC Rules.</p> <p>"SPCC control and counter measures plans will be in place to address construction, drilling, and operations associated with oil and gas development throughout the state of Colorado in accordance with CFR 112 prior to any construction, drilling or operations related activity."</p> <p>The SWMP in place will be in accordance with CDPHE General Permit Rules.</p> <p>Operator Concurrence.</p>	09/04/2018
LGD	<p>1)The proposed Oil and Gas location is located within Unincorporated Adams County.</p> <p>2)A local land use permit for the proposed activities will be required and can be obtained through Adams County Community and Economic Development Department.</p> <p>3)The applicant is engaged in a Memorandum of Understanding with Adams County and will be required to meet the requirements specified in the MOU.</p>	08/13/2018
OGLA	Public comment period extended 10 days at the request of the Adams County LGD. New end date is 9/2/2018.	08/10/2018
Permit	Passed Completeness.	08/03/2018

Total: 6 comment(s)