

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:

400475622

Date Received:

09/06/2013

Oil and Gas Location Assessment

New Location     Refile     Amend Existing Location    Location#: 417777

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:

**417777**

Expiration Date:

**12/14/2016**

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: 10447

Name: URSA OPERATING COMPANY LLC

Address: 1050 17TH STREET #2400

City: DENVER    State: CO    Zip: 80265

Contact Information

Name: Rob Bleil

Phone: (970) 329-4373

Fax: ( )

email: rbleil@ursaresources.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20120125

Gas Facility Surety ID: \_\_\_\_\_

Waste Management Surety ID: \_\_\_\_\_

LOCATION IDENTIFICATION

Name: Frei

Number: A Pad

County: GARFIELD

Quarter: LOT 10    Section: 7    Township: 6S    Range: 91W    Meridian: 6    Ground Elevation: 5596

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: 508 feet FSL from North or South section line

897 feet FWL from East or West section line

Latitude: 39.535887    Longitude: -107.603338

PDOP Reading: 2.4    Date of Measurement: 07/18/2013

Instrument Operator's Name: Scott E. Aibner

## 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>16</u>   | Oil Tanks           | <u>    </u> | Condensate Tanks     | <u>5</u>    | Water Tanks     | <u>5</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>    </u> | Separators          | <u>4</u>    | Injection Pumps      | <u>    </u> | Cavity Pumps    | <u>    </u> |   |             |
| Gas or Diesel Motors | <u>    </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>1</u>    | Flare           | <u>    </u> | LACT Unit                                 | <u>    </u> |
|                      |             |                     |             |                      |             |                 |             | Pigging Station                           | <u>1</u>    |

## OTHER FACILITIES

Other Facility Type

Number

|                      |                      |
|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> |
|----------------------|----------------------|

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

## CONSTRUCTION

Date planned to commence construction: 12/01/2013 Size of disturbed area during construction in acres: 4.53  
Estimated date that interim reclamation will begin: 06/01/2014 Size of location after interim reclamation in acres: 3.53  
Estimated post-construction ground elevation: 5596

## DRILLING PROGRAM

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

Is H<sub>2</sub>S 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: Other

Other Disposal Description:

Beneficial reuse or land application plan submitted? No

Reuse Facility ID:                      or Document Number:                     

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

## SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: JFN Management, LLC

Phone:

Address: Frei Family Limited Partnership

Fax: \_\_\_\_\_

Address: 287 Mid Valley Drive

Email: \_\_\_\_\_

City: New Castle State: CO Zip: 81647

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 05/07/2010

### 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): Gravel Pit

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): Gravel Pit

Subdivided:  Industrial  Commercial  Residential

## CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 672 Feet  
Building Unit: 832 Feet  
High Occupancy Building Unit: 5244 Feet  
Designated Outside Activity Area: 5280 Feet  
Public Road: 569 Feet  
Above Ground Utility: 531 Feet  
Railroad: 5280 Feet  
Property Line: 410 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: 08/16/2013

## 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: 34: Ildefonso stony loam, 25 to 45 percent slopes

NRCS Map Unit Name: 3: Arvada loam, 1 to 6 percent slopes

NRCS Map Unit Name: 55: Potts loam, 3 to 6 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: 08/29/2013

List individual species: Wheatgrass, sagebrush, and Utah juniper. Please see attachment G NRCS Soil Survey.

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): Gravel Pit

## WATER RESOURCES

Is this a sensitive area:  No  Yes

Distance to nearest

downgradient surface water feature: 385 Feet

water well: 960 Feet

Estimated depth to ground water at Oil and Gas Location 50 Feet

Basis for depth to groundwater and sensitive area determination:

Depth to ground water was determined by using static water level data of nearest water well from Colorado Division of Water Resources (Permit# 122403/Receipt# 0915025).

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 501-2640 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: Yes

## GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 609

## 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 amendment is being submitted because Ursa is proposing to expand the pad to accommodate site equipment. There are 12 associated Form 2 APD re-files for this pad being submitted (referenced under related forms). There will be approximately 0.53 acres of additional pad disturbance. The number of drilled wells on this pad has been changed to 16 (the previously approved Form 2A was permitted for 22 wells). This pad has been built and is now within a designated setback as of Rule 604.b.(1).A. The proposed Frei A1 well location was used as the reference point for well distance measurements. The attached multi-well plan shows the newly proposed well locations on this pad (listed under related forms). Since this area is in a SWH, a Wildlife Mitigation Plan (March 24, 2010) is in place that was agreed to by Ursa (previously Antero). The plan allows for 90+ well pads. Currently, Ursa has 62 well pads. Ursa is current on all obligations under the plan. Mitigation Measures were addressed with building unit owners at an on-site on 8/21/2013.

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

Signed: \_\_\_\_\_ Date: 09/06/2013 Email: sredican@ursaresources.com

Print Name: Shauna Redican Title: Permit Representative

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: 12/15/2013

### **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**

|  |  |
|--|--|
|  | <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, storage vessel, or lined pit (only if an amended Form 2A has been submitted/approved and a Form 15 Earthen Pit Permitted has been submitted/approved) 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 with additional downgradient perimeter berming. The area where flowback fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material.</p> <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. Operator shall notify the COGCC Oil and Gas Location Assessment (OGLA) Specialist for Western Colorado (Dave Kubeczko; email dave.kubeczko@state.co.us) and the COGCC Field Inspection Supervisor for Northwest Colorado (Shaun Kellerby; email shaun.kellerby@state.co.us) 48 hours prior to testing surface poly/sterel or buried poly/steel pipelines.</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 any surface or buried pipelines. This will reduce surface disturbance and fragmentation of wildlife habitat in the area.</p> |
|  | <p>Notify the COGCC 48 hours prior to start of pad construction, rig mobilization, spud, and start of hydraulic stimulation operations using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).</p> <p>As required for Groundwater Baseline Sampling; Operator shall comply with Rule 609. STATEWIDE GROUNDWATER BASELINE SAMPLING AND MONITORING.</p>  |
|  | <p>Operator will use adequately sized containment devices for all hazardous chemicals and/or hazardous materials stored or used on location.</p>   |
|  | <p>Strategically apply fugitive dust control measures, including enforcing established speed limits on 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 (preferably corrugated steel with poly liner) to contain any spilled or released material around crude oil, condensate, and produced water storage tanks.</p>  |

### **Best Management Practices**

| No | BMP/COA Type                        | Description   |
|----|-------------------------------------|---|
| 1  | Planning                            | <ul style="list-style-type: none"> <li>• Due to the location of Ursa's operations, Ursa determined that the Rifle Office will be staffed with a Regulatory and Environmental Manager, and a landman; these positions didn't exist in the Rifle office under the previous operator. This decision reflects Ursa's commitment to sound environmental stewardship, and to an increased level of communication with all stakeholders (see below).</li> <li>• Ursa typically holds weekly meetings to address new, expanded, or additional wells at an Oil and Gas locations. Once a location is determined feasible, preliminary notifications are made to affected surface owners (see below) as a best management practice (BMP).</li> <li>• Prior to initiation of the Form 2A permitting process, internal onsite are held to determine the feasibility of the location (based on the SUA and landowner preferences), topographic constraints, proximity to building units, and public and environmental concerns including surface waters, traffic/haul routes, 317B applicability, wildlife RSOs and SWH areas, noise potential, soil stability, etc. All information that may affect the location is documented as appropriate in Ursa's "Site Assessment Checklist and Site Assessment Map" as a BMP. A copy of these internal practices was provided to the COGCC at the Setback Training on August 30, 2013 held in Grand Junction.</li> <li>• Upon approval of the Form 2A, Ursa holds Pre-Construction, Pre-Spud, Pre-Completions and Pre-Production meetings with contractors performing work at the location as determined necessary by the responsible Ursa Operations Manager or Supervisor. As a BMP, Ursa has developed checklists for these meetings to review COAs, NTOs and related issues.</li> <li>• Traffic and Public Safety – Ursa developed a site-specific Emergency Response Plan and Haul Route Map which is communicated to local emergency response agencies and stakeholders, as well as contractors performing work at the location.</li> </ul> |
| 2  | Community Outreach and Notification | <ul style="list-style-type: none"> <li>• Voluntary Notifications - Once a new or expanded location, or additional wells are proposed, Ursa's land department contacts the landowner to get an initial approval, prior to formal Pre-application notifications to all affected stakeholders.</li> <li>• Once the Form 2A permitting process was initiated all surface owners and owners of building units within 1000 feet of the location were notified by letter with an invitation to meet or discuss the proposal (See Attachment J (2)).</li> <li>• Ursa routinely communicates proposed plans and operations schedules with Community Counts, the GARCO Energy Advisory Board, and Battlement Mesa Concerned Citizens (BMCC), if the proposal or work may affect Battlement Mesa. In addition, periodic stakeholder meetings are held with landowners and affected parties.</li> <li>• Communication with Kirby Wynn and municipal LGDs are also held routinely in addition to communication required by COGCC regulations.</li> </ul>   |

|   |                      |   |
|---|----------------------|---|
| 3 | Pre-Construction     | <ul style="list-style-type: none"> <li>• <b>MULTI-WELL PAD</b> - The location submittal as proposed will result in the ability to drill XX wells from a single location and eliminate the need for an additional well pad; hence a reduction in surface disturbance, traffic, and impacts to the environment and wildlife habitat.</li> <li>• <b>SAFETY</b> - The location and site layout has been designed to accommodate all operations within the limits of disturbance while meeting Federal and state safety regulations, including required buffers and distances between operating components and combustion sources.</li> <li>• <b>DUST CONTROL</b> - The pad and access road will be graveled to reduce fugitive dust. In addition, water and other dust suppressants are used as required, dependent upon the level of activity, moisture conditions, etc.</li> <li>• <b>INTERIM RECLAMATION</b> - The site will be stabilized using seed mixes and materials compatible with soil types, moisture, and local climate conditions as specified in landowner surface use agreements, or locally acceptable industry practices. Seeding will be completed during optimum conditions to achieve best results for plant growth.</li> <li>• <b>STORMWATER</b> - The location will be constructed in accordance with the CDPHE Stormwater regulations as implemented by Ursa's Stormwater Management Plan, so as to control sediment run-off. Stormwater BMPs may also serve as secondary or tertiary containment in the event of a spill. Site specific plans (i.e. diagrams) will be developed and inspected against at the frequency required by CDPHE regulations, to include 14 day, 30 day, and major storm event inspections until 70% reclamation is achieved. Corrective actions will be tracked and implemented. COGCC inspections will be conducted through 80% interim reclamation and annually thereafter. These inspections are also tracked and corrective actions implemented. Native soils will be used whenever available to construct stormwater BMPs, supplemented by non-native materials based on site-specific conditions.</li> <li>• <b>WASTE</b> - The location will be managed in accordance with Ursa's Waste Management Plan as summarized in Attachment J(1) of this application. The location will be constructed to minimize the potential for any exploration and production wastes, chemicals, fluids, etc. from leaving the location, including berms, barriers, and use of spill control materials.</li> </ul> |
| 4 | General Housekeeping | <ul style="list-style-type: none"> <li>• <b>GENERAL – AGENCY INSPECTIONS / CONCERNS</b><br/>Ursa has developed and implemented processes and systems to track all agency inspections and concerns (e.g. COGCC, CDPHE, BLM...). Corrective actions are typically implemented within 24 hours of discovery.</li> <li>• <b>AIR –</b> Ursa will comply with CDPHE regulations regarding air permits, including the application for general permits, including compliance monitoring. In addition, Ursa is required to track, monitor and report Greenhouse Gas (GHG) emissions to EPA. All air sources will be assigned AIRS ID numbers and tracked for compliance and reporting purposes.</li> <li>• <b>CHEMICAL &amp; MATERIAL HANDLING –</b> All materials and chemicals will be managed to minimize environmental contamination. It should be noted that materials and chemicals that are not a waste may be reused or recycled.</li> <li>• <b>NOXIOUS WEEDS –</b> Weeds will be managed in accordance with Ursa's Noxious Weed plan; to include three treatments per year, mapping, etc.</li> <li>• <b>SPILLS / INCIDENTS –</b> Spill prevention is addressed in Ursa's Spill Prevention and Management Plan. This includes training of employees and contractor personnel. Spill response includes notifications, reporting, response actions, remediation and corrective actions. The spill criteria in Ursa's plan requires that waste be properly classified as E&amp;P or non-E&amp;P wastes. For E&amp;P waste, all spills greater than 1 barrel the COGCC will be reported to the COGCC using a Form 19. Should remediation be required, a Form 27 will be submitted as well. Spills related to non-E&amp;P waste will be managed in accordance with CDPHE and EPA regulations depending on the volume spilled.</li> <li>• <b>WILDLIFE -</b> A Wildlife Mitigation Plan (March 24, 2010) is in place that was agreed to by Ursa (previously Antero). The plan allows for 90+ well pads. Currently, Ursa has 62 well pads. Ursa is current on all obligations under the plan.</li> </ul>   |

|   |  |  |
|---|--|--|
| 5 | Material Handling and Spill Prevention | <ul style="list-style-type: none"> <li>• ODORS - Combustor controls will be used to mitigate odors from production tanks.</li> <li>• SPILL PREVENTION – Spills will be managed in accordance with Ursa’s SPCC plan including prevention, spill containment and monthly inspections. High level alarms will be installed on production tanks.</li> <li>• VISUAL IMPACTS - Above-ground facilities (e.g. production tanks) will be managed to minimize visual effects (e.g. painted to blend with environment)</li> <li>• REMOTE MONITORING - Remote monitoring will be used to reduce truck traffic, fugitive dust to the extent practical.</li> <li>• WATER LINES - Water pipeline infrastructure will be installed concurrently with the gas pipeline infrastructure where possible. No water infrastructure currently exists.</li> <li>• WATER RECYCLING – Produced water used for well completions will be recycled and treated to the maximum extent practical. Water that can’t be recycled will be injected through the use of wells approved by COGCC and Garfield County.</li> <li>• WILDLIFE – All separators/dehydrators and heater –treater equipment are outfitted with bird cones.</li> </ul> |
| 6 | Drilling/Completion Operations         | <ul style="list-style-type: none"> <li>• DIRECTIONAL DRILLING - Directional / horizontal drilling will be implemented to avoid the need for additional well pads; reducing habitat loss and fragmentation, noise, traffic concerns, etc.</li> <li>• NOISE - A sound barrier will be erected prior to drilling and remain in placed through completions to minimize noise.</li> <li>• WASTE - A closed-loop (pitless) drilling system will be used; No cuttings pit will be constructed; cuttings will be hauled to an approved waste facility (see Waste Management Plan Summary – Attachment J(1)).</li> <li>• WATER SAMPLING - Baseline and post drilling water well testing will be performed for permitted water wells in accordance with COGCC Sec 609.</li> </ul>  |
| 7 | Drilling/Completion Operations         | <ul style="list-style-type: none"> <li>• CHEMICAL USE – All chemicals used will be tracked and reported in accordance with COGCC rules and submitted through FracFocus within 120 days of initiating well stimulation.</li> <li>• ODORS - Well completions will utilize flowback completion technologies and/or flares to reduce odors from plug drillout, and venting of salable and non-salable gas</li> <li>• WASTE - No stimulation or flowback pits will be constructed.</li> <li>• WORK HOURS - Completions will be conducted during daylight hours.</li> </ul>  |

Total: 7 comment(s)

### Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u>            |
|--------------------|------------------------|
| 2106784            | WASTE MANAGEMENT PLAN  |
| 2106816            | PARTIES NOTIFIED       |
| 400475622          | FORM 2A SUBMITTED      |
| 400475841          | LOCATION DRAWING       |
| 400475847          | LOCATION PICTURES      |
| 400475856          | HYDROLOGY MAP          |
| 400475859          | CONST. LAYOUT DRAWINGS |
| 400475874          | OTHER                  |
| 400476993          | MULTI-WELL PLAN        |
| 400476997          | EQUIPMENT LIST         |
| 400477001          | NRCS MAP UNIT DESC     |
| 400477002          | OTHER                  |
| 400477383          | SENSITIVE AREA MAP     |

Total Attach: 13 Files

### General Comments

| <u>User Group</u> | <u>Comment</u>  | <u>Comment Date</u>      |
|-------------------|---|--------------------------|
| Permit            | Off Hold - right to construct corrected on and SUA attached to several APDs   | 12/12/2013<br>6:12:46 PM |
| Final Review      | COGCC final review determined that surface, minerals, and right-to-construct information on this Form 2A and several of the attached Form 2s needs to be reviewed. PLaced this Form 2A back ON HOLD, while COGCC and operator work it out. Operator first notified on 12/8, further contact on 12/9, discussions ongoing 12/10-12/11.   | 12/10/2013<br>7:15:20 AM |
| OGLA              | "COGCC HAS RECEIVED AND ATTACHED A DOCUMENT ON URSA LETTERHEAD THAT INDICATES BUILDING UNIT OWNERS WITHIN 1000' HAVE BEEN NOTIFIED AND URSA CERTIFIES THAT NOTIFICATION HAS BEEN COMPLETED. FORM 2A HAS BEEN TAKEN OFF OF "ON HOLD" and PLACED BACK INTO "IN PROCESS" STATUS."  | 12/6/2013<br>12:23:32 PM |
| OGLA              | "COGCC HAS RECEIVED AND ATTACHED AN AMENDED WASTE MANAGEMENT PLAN THAT ADDRESSESS DRILLING MUD AND DRILL CUTTINGS; REVISIONS HAVE BEEN MADE BY COGCC PER URSA ON THE CONSTRUCTION, DRILLING & WASTE TAB OF THE FORM 2A."  | 10/21/2013<br>2:51:52 PM |
| Final Review      | Drilling Waste Management Program is non-compliant. Form 2A placed on hold.   | 10/2/2013<br>10:47:01 AM |
| Final Review      | Operator certificaiton of 303.b.(3)J.iii notification fails to document that notification sent by operator was received by owners of building units within 1000'. Exception Location Request letter not attached. Form 2A placed on hold.   | 10/2/2013<br>10:14:53 AM |
| Permit            | Oper. attached documentation of notifications to building unit owners.<br>No LGD or public comments.<br>Final Review--passed.   | 9/30/2013<br>10:10:59 AM |
| OGLA              | PREVIOUS FORM 2A#400063672 COAs:<br><br>No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.<br><br>Operator must implement best management practices to contain any unintentional release of fluids.<br><br>Location is in a sensitive area because of proximity to surface water; therefore, operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations. Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations. If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids.<br><br>Reserve pit must be lined or closed loop system must be implemented during drilling.<br><br>The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, the drill cuttings must also meet the applicable standards of table 910-1. | 9/23/2013<br>4:37:45 PM  |
| OGLA              | Initiated/Completed OGLA Form 2A review on 09-23-13 by Dave Kubeczko; previously submitted and approved (06-14-10) Form 2A#400063672; OGCC Facility ID#417777; previous COAs apply - fluid containment, spill/release BMPs, moisture content cuttings/table 910-1, lined pit/closed loop, no pit in fill; added notification, baseline GW sampling, tank berming, pipeline testing, and flowback to tanks COAs; passed by CPW on 09-09-13 with WMP acceptable; passed OGLA Form 2A review on 09-27-13 by Dave Kubeczko; fluid containment, spill/release BMPs, moisture content cuttings/table 910-1, lined pit/closed loop, no pit in fill, notification, baseline GW sampling, tank berming, pipeline testing, and flowback to tanks COAs.  | 9/23/2013<br>4:14:17 PM  |

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| Permit | Amended 2A for built location with additional disturbance. Change in MWP.  | 9/18/2013<br>10:41:46 AM |
| LGD    | pass, gdb  | 9/17/2013<br>11:24:11 AM |
| DOW    | This location is within the boundary of the approved Antero-URSA Wildlife Mitigation plan. The BMPs were developed and agreed upon in the consultation and development of the Wildlife Mitigation Plan. CPW affirms that the BMPs and conditions of approval of the Wildlife Mitigation Plan suffice to address wildlife mitigation concerns.<br><br>Approved: Jim Komatinsky 9-9-2013 | 9/9/2013<br>12:05:08 PM  |
| Permit | This form has passed completeness.   | 9/6/2013 2:23:50<br>PM   |

Total: 13 comment(s)