

# State of Colorado Oil and Gas Conservation Commission

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DE	ET	OE	ES
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## SUNDRY NOTICE

Submit a signed original. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full in Comments or provide as an attachment. Identify Well by API Number; identify Oil and Gas Location by Location ID Number; identify other Facility by Facility ID Number.

OGCC Operator Number: 10447 Contact Name Cari Chelewski  
 Name of Operator: URSA OPERATING COMPANY LLC Phone: (970) 284-3244  
 Address: 602 SAWYER STREET #710 Fax: (970) 625-9929  
 City: HOUSTON State: TX Zip: 77007 Email: CChelewski@ursaresources.com

Complete the Attachment  
Checklist

OP OGCC

API Number : 05- 045 00 OGCC Facility ID Number: 335052  
 Well/Facility Name: CSF Well/Facility Number: T Pad  
 Location QtrQtr: SWNW Section: 8 Township: 7S Range: 91W Meridian: 6  
 County: GARFIELD Field Name: MAMM CREEK  
 Federal, Indian or State Lease Number: \_\_\_\_\_

Survey Plat		
Directional Survey		
Srvc Eqpmt Diagram		
Technical Info Page		
Other		

## CHANGE OF LOCATION OR AS BUILT GPS REPORT

☐ Change of Location \* ☐ As-Built GPS Location Report ☐ As-Built GPS Location Report with Survey

\* Well location change requires new plat. A substantive surface location change may require new Form 2A.

**SURFACE LOCATION GPS DATA** Data must be provided for Change of Surface Location and As Built Reports.

Latitude \_\_\_\_\_ PDOP Reading \_\_\_\_\_ Date of Measurement \_\_\_\_\_  
 Longitude \_\_\_\_\_ GPS Instrument Operator's Name \_\_\_\_\_

## LOCATION CHANGE (all measurements in Feet)

Well will be: \_\_\_\_\_ (Vertical, Directional, Horizontal)

Change of **Surface** Footage **From** Exterior Section Lines:

Change of **Surface** Footage **To** Exterior Section Lines:

Current **Surface** Location **From** QtrQtr SWNW Sec 8

New **Surface** Location **To** QtrQtr \_\_\_\_\_ Sec \_\_\_\_\_

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

Change of **Top of Productive Zone** Footage **To** Exterior Section Lines:

Current **Top of Productive Zone** Location **From** Sec \_\_\_\_\_

New **Top of Productive Zone** Location **To** Sec \_\_\_\_\_

Change of **Bottomhole** Footage **From** Exterior Section Lines:

Change of **Bottomhole** Footage **To** Exterior Section Lines:

Current **Bottomhole** Location Sec \_\_\_\_\_ Twp \_\_\_\_\_

New **Bottomhole** Location Sec \_\_\_\_\_ Twp \_\_\_\_\_

Is location in High Density Area? \_\_\_\_\_

Distance, in feet, to nearest building \_\_\_\_\_, public road: \_\_\_\_\_, above ground utility: \_\_\_\_\_, railroad: \_\_\_\_\_,

property line: \_\_\_\_\_, lease line: \_\_\_\_\_, well in same formation: \_\_\_\_\_

Ground Elevation \_\_\_\_\_ feet Surface owner consultation date \_\_\_\_\_

FNL/FSL		FEL/FWL	
1808	FNL	813	FWL
Twp <u>7S</u>	Range <u>91W</u>	Meridian <u>6</u>	
Twp _____	Range _____	Meridian _____	
			**
Twp _____	Range _____		
Twp _____	Range _____		
			**
			** attach deviated drilling plan

## OTHER CHANGES

☐ **REMOVE FROM SURFACE BOND** Signed surface use agreement is a required attachment

☐ **CHANGE OF WELL, FACILITY OR OIL & GAS LOCATION NAME OR NUMBER**

From: Name CSF Number T PAD Effective Date: \_\_\_\_\_

To: Name \_\_\_\_\_ Number \_\_\_\_\_

☐ **ABANDON PERMIT: Permit can only be abandoned if the permitted operation has NOT been conducted. Field inspection will be conducted to verify site status.**

☐ WELL: Abandon Application for Permit-to-Drill (Form2) – Well API Number \_\_\_\_\_ has not been drilled.

☐ PIT: Abandon Earthen Pit Permit (Form 15) – COGCC Pit Facility ID Number \_\_\_\_\_ has not been constructed (Permitted and constructed pit requires closure per Rule 905)

☐ CENTRALIZED E&P WASTE MANAGEMENT FACILITY: Abandon Centralized E&P Waste Management Facility Permit (Form 28) – Facility ID Number \_\_\_\_\_ has not been constructed (Constructed facility requires closure per Rule 908)

OIL & GAS LOCATION ID Number: \_\_\_\_\_

☐ Abandon Oil & Gas Location Assessment (Form 2A) – Location has not been constructed and site will not be used in the future.

☐ Keep Oil & Gas Location Assessment (Form 2A) active until expiration date. This site will be used in the future.

**Surface disturbance from Oil and Gas Operations must be reclaimed per Rule 1003 and Rule 1004.**

☐ **REQUEST FOR CONFIDENTIAL STATUS**

☐ **DIGITAL WELL LOG UPLOAD**

☐ **DOCUMENTS SUBMITTED** Purpose of Submission: \_\_\_\_\_

## RECLAMATION

### INTERIM RECLAMATION

☐ Interim Reclamation will commence approximately \_\_\_\_\_

Per Rule 1003.e.(3) operator shall submit Sundry Notice reporting interim reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Interim reclamation complete, site ready for inspection.

Per Rule 1003.e(3) describe interim reclamation procedure in Comments below or provide as an attachment and attach required location photographs.

**Field inspection will be conducted to document Rule 1003.e. compliance**

### FINAL RECLAMATION

☐ Final Reclamation will commence approximately \_\_\_\_\_

Per Rule 1004.c.(4) operator shall submit Sundry Notice reporting final reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Final reclamation complete, site ready for inspection. Per Rule 1004.c(4) describe final reclamation procedure in Comments below or provide as an attachment.

**Field inspection will be conducted to document Rule 1004.c. compliance**

Comments:

## ENGINEERING AND ENVIRONMENTAL WORK

### ☐ NOTICE OF CONTINUED TEMPORARILY ABANDONED STATUS

Indicate why the well is temporarily abandoned and describe future plans for utilization in the COMMENTS box below or provide as an attachment, as required by Rule 319.b.(3).

Date well temporarily abandoned \_\_\_\_\_ Has Production Equipment been removed from site? \_\_\_\_\_

Mechanical Integrity Test (MIT) required if shut in longer than 2 years. Date of last MIT \_\_\_\_\_

☐ SPUD DATE: \_\_\_\_\_

## TECHNICAL ENGINEERING AND ENVIRONMENTAL WORK

Details of work must be described in full in the COMMENTS below or provided as an attachment.

☒ NOTICE OF INTENT Approximate Start Date 08/01/2014

☐ REPORT OF WORK DONE Date Work Completed \_\_\_\_\_

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Intent to Recomplete (Form 2 also required) | <input type="checkbox"/> Request to Vent or Flare   | <input type="checkbox"/> E&P Waste Mangement Plan      |
| <input type="checkbox"/> Change Drilling Plan                        | <input type="checkbox"/> Repair Well  | <input type="checkbox"/> Beneficial Reuse of E&P Waste |
| <input type="checkbox"/> Gross Interval Change                       | <input type="checkbox"/> Rule 502 variance requested. Must provide detailed info regarding request. |  |
| <input checked="" type="checkbox"/> Other <u>Temp Tank Battery</u>   | <input type="checkbox"/> Status Update/Change of Remediation Plans for Spills and Releases          |  |

## COMMENTS:

The Castle Springs Federal T Pad will be used to support well stimulation activities from late August through mid-October at the CSF E and Q locations. A maximum of 20 tanks will be temporarily stged at the Castle Springs Federal T Pad. This location is outside the 317B area and is an approved, constructed and producing location. Please see attached the proposed BMPs, the Temp Tank Battery Operations Protocol and the construction layout diagram. BLM has already looked at the site and given initial approval under the NEPA document prepared for the Castle Springs area.

## H2S REPORTING

**Data Fields in this section are intended to document Sample and Location Data associated with the collection of a Gas Sample that is submitted for Laboratory Analysis.**

**Gas Analysis Report must be attached.**

H2S Concentration: \_\_\_\_\_ in ppm (parts per million) Date of Measurement or Sample Collection \_\_\_\_\_

Description of Sample Point:

Absolute Open Flow Potential \_\_\_\_\_ in CFPD (cubic feet per day)

Description of Release Potential and Duration (If flow is not open to the atmosphere, identify the duration in which the container or pipeline would likely be opened for servicing operations.):

Distance to nearest occupied residence, school, church, park, school bus stop, place of business, or other areas where the public could reasonably be expected to frequent: \_\_\_\_\_

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public use: \_\_\_\_\_

### **Best Management Practices**

<b><u>No</u></b> <b><u>BMP/COA Type</u></b>	<b><u>Description</u></b>
1 Planning	<p><b>BACKGROUND</b></p> <ul style="list-style-type: none"> <li>• Ursa Operating Company LLC (Ursa) acquired all assets previously held by Antero Resources and assumed full operations on 4/1/13.</li> <li>• This location is an approved, constructed and producing location.</li> <li>• As these locations are on Federal (BLM) managed lands; there are no building units within 1000'. BLM has primary jurisdiction on Federal surface; as such BMPs and mitigation required by the BLM will be complied with.</li> <li>• BLM and Ursa conducted a joint onsite on April 4, 2014 and confirmed that the well pads being drilled and the temporary tank battery locations are within the scope of the BLM Environmental Assessment for the Castle Springs field.</li> <li>• The location was permitted and constructed prior to Form 2A regulations being implemented. Therefore these BMPs focus on those required for placement, operations, and removal of the temporary tank battery to support completions at an adjacent location; and not on construction, drilling, completions and production operations specific to this location.</li> <li>• Temporarily staging the tanks at this location does not require a pad expansion, addition of wells, installation of a pit, or significant change in the pad design or use essential to lease operations; as the temporary tanks will be placed in the same approximate location as if completions were supporting drilling at the same location (see Facility Layout Diagram).</li> <li>• The only change is that staging Temporary Tank Batteries at this location will support completions at the Castle Springs E (4 wells) &amp; Q pads (2 wells) vs. the location on which they are temporarily staged; which is a standard practice recognized by the COGCC and other state agencies to avoid the need for additional surface disturbance.</li> <li>• The temporary tank battery is anticipated to be in use from late August through mid-October (approximately 60 days).</li> <li>• A maximum number of 20 - 500 bbl tanks will be temporarily staged at this location.</li> <li>• Existing buried water lines will be used to transfer water to and from the temporary tank battery.</li> <li>• The location is not within a 317B area.</li> <li>• Raptor surveys were conducted and nests were located in close proximity to this well pad. However, completions activities will not occur until after the nesting season (August).</li> </ul>
2 Pre-Construction	<p><b>TEMPORARY TANK BATTERY - PRE-OPERATIONS</b></p> <ul style="list-style-type: none"> <li>• Ursa will hold a pre-completions meeting with contractors using Ursa's checklists prior to startup of activities. Ursa's temporary tank battery protocol will be discussed and implemented.</li> <li>• The tanks (cleaned and sanitized) will be placed at the location prior to startup and will be labeled as out of service until tanks are being filled and used, then properly labeled for use.</li> <li>• Prior to filling the tanks and placing them in use, Ursa shall provide Form 42 notification to COGCC in accordance with NTO's when operations will be supported by this pad. Ursa will also notify the COGCC 48 hours prior to start of temporary frac operations.</li> <li>• Secondary Containment – Prior to filling the tanks, Ursa will install secondary containment for fluids contained in the temporary tanks. The containment would accommodate at least the volume of the manifolded volume and 150% of the largest tank; including, but not limited to, construction of a berm immediately adjacent to the tanks. This is based on Ursa's temporary tank battery protocol.</li> </ul>

<p>3 Material Handling and Spill Prevention</p>	<p>ENVIRONMENTAL STEWARDSHIP AND COMPLIANCE (GENERAL)</p> <ul style="list-style-type: none"> <li>• AIR / ODORS – Ursa will comply with CDPHE Section 600 and 800 rules regarding green completions and controlling air emissions from the tanks, and minimizing the potential for odors.</li> <li>• CHEMICAL &amp; MATERIAL HANDLING – All materials and chemicals will be managed to minimize environmental contamination. All chemicals used will be reported in accordance with COGCC Section 200 rules and policies; including entries to Frac Focus.</li> <li>• SPCC / COGCC SECONDARY CONTAINMENT - Ursa developed and implemented a site-specific Spill Prevention, Control and Countermeasures Plan (SPCC) for temporary tank batteries in accordance with EPA SPCC regulations (40 CFR 112) and COGCC Section 600 regulations, prior to placement of tanks at the location. In addition Ursa conducts monthly leak and spill visual inspections under its Temporary Tank Battery SPCC plan.</li> <li>• SPILLS / INCIDENTS – Spill prevention and response are outlined in Ursa's Spill Prevention and Management Plan (attached). This includes training of employees and contractors personnel. Spills response includes notifications, reporting, response actions, remediation and corrective actions. The spill criteria in Ursa's plan require 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 (not within containment) or 5 bbls within containment will be reported to the COGCC using a Form 19. Should remediation be required, a Form 27 will be submitted upon COGCC request, outlining the proposed remediation. 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>• SPILL RESPONSE - Ursa currently stages spill response equipment and materials onsite. If additional response equipment is needed, equipment and materials, including Vac truck, backhoes are approximately 20 minutes away. Ursa requires all key personnel to also be equipped with spill equipment for immediate use upon discovery of a release. Personnel trained in spill response are on call 24 hours a day, 7 days a week. Ursa's Spill Prevention and Management Plan and Spill, among others, provide explicit detail with regards to spill notification, reporting, response and prevention.</li> <li>• WASTE MANAGEMENT – The location will be managed in accordance with Ursa's Waste Management Plan which incorporates COGCC Section 900 rules. Appendix L of Ursa's Waste Management Plan specifically addresses temporary tank batteries. Containment will be designed to localize and 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> <li>• PLANS - All plans referenced herein have been provided the COGCC on previous occasions and are available upon request, as updated.</li> </ul>
<p>4 Construction</p>	<p>TEMPORARY WATER LINES TO SUPPORT TEMPORARY TANK</p> <ul style="list-style-type: none"> <li>• Ursa will pressure test pipelines any surface lines in accordance with Rule 1101.e. (1) prior to putting into initial service any temporary surface or permanent buried (steel/poly) pipelines and following any reconfiguration of the pipeline network.</li> <li>• Ursa will use adequately sized containment devices for and hazardous chemicals and/or materials if stored or used on location.</li> </ul>

5 Construction	<p><b>TEMPORARY TANK BATTERY - OPERATIONS</b></p> <ul style="list-style-type: none"> <li>• Ursa will implement its temporary tank battery protocol (attached) that addresses equipment start up, operations, and decommissioning. The checklist ensures integrity of all pipelines, secondary containment necessary for equipment, and ensures all valves and fittings are inspected for leaks or deficiencies. It should be noted that changes may be necessary to this checklist as site specific actions may be necessary to ensure all equipment and operations satisfy COGCC rules and regulations.</li> <li>• Completions Equipment Inspections – Ursa will conduct daily inspections of tanks and equipment for leaks and equipment problems with appropriate documentation retained in the operator's office/onsite office. All equipment deficiencies shall be corrected promptly. Daily monitoring will end approximately 14 days after well use of the tank battery.</li> <li>• Trained Personnel – Ursa shall have trained personnel present at the frac tanks during water transfer into or out of tanks; personnel shall be able to shut off transfer pumps or close valves as necessary in response to upset conditions in accordance with Ursa's tank battery protocol.</li> <li>• In addition, as outlined in Ursa's Spill Prevention and Response Plan, SPCC plan (required by EPA), and protocols to comply with COGCC Section 600 containment rules, training is conducted for Ursa employees and contractors at least annually. This training was recently completed in accordance with SPCC regulations and COGCC spill regulations Nov 21, 2013, in January 2014, and again on April 3, 2014.</li> </ul>
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Total: 5 comment(s)

**Operator Comments:**

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

Signed: \_\_\_\_\_ Print Name: Cari Chelewski  
 Title: Regulatory Technician Email: CChelowski@ursaresources.com Date: 4/17/2014

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: KUBECZKO, DAVE Date: 6/30/2014

**CONDITIONS OF APPROVAL, IF ANY:**

**COA Type**

**Description**

	<p>PIPELINES: The following conditions of approval (COAs) will apply to the Form 4 if any temporary surface (poly/steel) or buried (poly or steel) pipelines are used during operations at the temporary frac pad location or nearby well pads:</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 (steel/poly) 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 temporary surface pipelines.</p>
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DRILLING/COMPLETIONS: The following conditions of approval (COAs) will apply:

Flowback and stimulation fluids generated at the well pads being serviced by this temporary frac tank pad location must be sent to tanks, separators, or other containment/filtering equipment on the pad where fracing is taking place, before the fluids can be placed into any pipeline or storage vessel located on the well pad; or into the operator's pipelines or into tanker trucks for offsite disposal.

A spill response trailer will be on location 24 hours a day, 7 days a week during construction and completion operations to facilitate a timely response to any spills that may occur.

Appropriate heavy equipment (e.g., a backhoe) will be staged nearby and available at the location during all completion operations so that any emergency diversions or pits to contain spills can be built immediately upon discovery.

All personnel working at the location during all drilling and completion operations will receive training on spill response and reporting. Documentation of this training will be maintained in the operator's office/onsite trailer.

At a minimum, weekly spill prevention meetings will be held identifying staff responsibilities in order to provide a quick and effective response to a spill. Appropriate documentation will be maintained in the operator's office/onsite trailer.

Operator will conduct daily inspections of equipment for leaks and equipment problems with appropriate documentation retained in the operator's office/onsite trailer. All equipment deficiencies shall be corrected. Daily monitoring should end approximately 14 days after well completion and/or after production has been stabilized; however, timely inspections should continue during the production phase.

Operator shall have trained personnel present at the frac tanks during water transfer into or out of tanks; personnel shall be able to shut off transfer pumps or close valves as necessary in response to upset conditions.

Additional containment shall be required where temporary or permanent pumps and other necessary equipment or chemicals are located on the frac pad site.

Operator will use adequately sized containment devices for all hazardous chemicals and/or materials stored or used on location.

Operator will implement measures to ensure that adequate separation of hydrocarbons from the influent occurs to prevent accumulation of oil on the surface of stored fluids. Operator shall also employ a method for monitoring buildup of phase-separated hydrocarbons on the surface of stored fluids.

PLANNING: The following conditions of approval (COAs) will apply:

Notify the COGCC 48 hours prior to start of temporary frac tank pad reconstruction/regrading, tertiary containment construction (if required), pipeline testing, 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).

Concurrent with notice required by Rule 316C., operator shall provide Form 42 notification to COGCC for this Oil and Gas Location when fracing operations will be supported by this pad.

Operator shall prepare an emergency spill response program that includes employee training, safety, and maintenance provisions. In the event of a spill or release, the operator shall immediately implement the emergency response procedures in the above-described emergency response program.

Use of this Oil and Gas Location for the purposes of a temporary remote frac pad is not permitted beyond December 31, 2014.

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Initiated OGLA Form 4 review on 06-08-14 by Dave Kubeczko; Completed OGLA Form 4 review on 06-29-14 by Dave Kubeczko; placed notification, fluid containment, spill/release BMPs, spill response, flowback to tanks, hydrocarbon separation, emergency response, additional secondary containment, and pipeline COAs on Form 4 on 06-29-14; conducted COGCC onsite on 03-26-14; CPW WMP applies; passed OGLA Form 4 review on 06-30-14 by Dave Kubeczko; notification, fluid containment, spill/release BMPs, spill response, flowback to tanks, hydrocarbon separation, emergency response, additional secondary containment, and pipeline COAs.	6/29/2014 6:09:15 PM

Total: 1 comment(s)

### Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
2107016	CASTLE SPRINGS FEDERAL E PAD SURFACE USE PLAN
2107017	BLM CORRESPONDENCE
400589677	FORM 4 SUBMITTED
400589689	OTHER
400589691	CONST. LAYOUT DRAWINGS
400589698	PROPOSED BMPs

Total Attach: 6 Files