

**FORM  
INSP**Rev  
05/11**State of Colorado  
Oil and Gas Conservation Commission**1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109

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Inspection Date:  
10/11/2015Document Number:  
680100190

Overall Inspection:

**ACTION REQUIRED****FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	440634	440634	Colby, Lou	<input type="checkbox"/>	

**Operator Information:**OGCC Operator Number: 10447Name of Operator: URSA OPERATING COMPANY LLCAddress: 602 SAWYER STREET #710City: HOUSTON State: TX Zip: 77007

- ☒ THIS IS A FOLLOW UP INSPECTION
- ☒ FOLLOW UP INSPECTION REQUIRED
- ☐ NO FOLLOW UP INSPECTION REQUIRED
- ☒ INSPECTOR REQUESTS FORM 42 WHEN CORRECTIVE ACTIONS ARE COMPLETED

**Contact Information:**

Contact Name	Phone	Email	Comment
Bleil, Rob	970-329-4373	rbleil@ursaresources.com	Ursa Regulatory & Environmental Manager
Knudson, Dwayne	970-372-5706	dknudson@ursaresources.com	

**Compliance Summary:**QtrQtr: NWSW Sec: 7 Twp: 7S Range: 95W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
07/28/2015	680100021			<b>ACTION REQUIRED</b>	I		No
03/30/2015	677500005			<b>ACTION REQUIRED</b>			No
03/23/2015	668100377			<b>ACTION REQUIRED</b>			No

**Inspector Comment:**

This is an interim reclamation and stormwater inspection. Any corrective actions from previous inspections that have not been addressed are still applicable. Location is built, no drilling or production activities at present.

**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
440632	WELL	XX	12/27/2014		045-22705	B&V 24B-07-07-95	ND	<input checked="" type="checkbox"/>
440633	WELL	XX	12/27/2014		045-22706	B&V 14B-07-07-95	ND	<input checked="" type="checkbox"/>
440635	WELL	XX	12/27/2014		045-22707	B&V 23C-07-07-95	ND	<input checked="" type="checkbox"/>
440636	WELL	XX	12/27/2014		045-22708	B&V 23B-07-07-95	ND	<input checked="" type="checkbox"/>
440637	WELL	XX	12/27/2014		045-22709	B&V 41A-13-07-96	ND	<input checked="" type="checkbox"/>
440638	WELL	XX	12/27/2014		045-22710	B&V 23A-07-07-95	ND	<input checked="" type="checkbox"/>
440639	WELL	XX	12/27/2014		045-22711	B&V 21A-18-07-95	ND	<input checked="" type="checkbox"/>
440640	WELL	XX	12/27/2014		045-22712	B&V 13C-07-07-95	ND	<input checked="" type="checkbox"/>
440641	WELL	XX	12/27/2014		045-22713	B&V 11A-18-07-95	ND	<input checked="" type="checkbox"/>
440642	WELL	XX	12/27/2014		045-22714	B&V 24D-07-07-95	ND	<input checked="" type="checkbox"/>
440643	WELL	XX	12/27/2014		045-22715	B&V 14D-07-07-95	ND	<input checked="" type="checkbox"/>
440644	WELL	XX	12/27/2014		045-22716	B&V 24A-07-07-95	ND	<input checked="" type="checkbox"/>

Inspector Name: Colby, Lou

440645	WELL	XX	12/27/2014		045-22717	B&V 13D-07-07-95	ND	X
440646	WELL	XX	12/27/2014		045-22718	B&V 13A-07-07-95	ND	X
440647	WELL	XX	12/27/2014		045-22719	B&V 13B-07-07-95	ND	X
440648	WELL	XX	12/27/2014		045-22720	B&V 14C-07-07-95	ND	X
440649	WELL	XX	12/27/2014		045-22721	B&V 14A-07-07-95	ND	X
440650	WELL	XX	12/27/2014		045-22722	B&V 24C-07-07-95	ND	X
440651	WELL	XX	12/27/2014		045-22723	B&V 23D-07-07-95	ND	X
441596	WELL	XX	04/26/2015		045-22843	B&V 33C-07-07-95	ND	X
441597	WELL	XX	04/26/2015		045-22844	B&V 33B-07-07-95	ND	X
441598	WELL	XX	04/26/2015		045-22845	B&V 11B-18-07-95	ND	X
441599	WELL	XX	04/26/2015		045-22846	B&V 33D-07-07-95	ND	X
441600	WELL	XX	04/26/2015		045-22847	B&V 33A-07-07-95	ND	X

**Equipment:**Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: 27	Production Pits: _____
Condensate Tanks: 2	Water Tanks: 8	Separators: 27	Electric Motors: _____
Gas or Diesel Motors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: _____	VOC Combustor: 1	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: 1	Flare: _____	Fuel Tanks: _____

**Location****Lease Road:**

Type	Satisfactory/Action Required	comment	Corrective Action	Date
Access	ACTION REQUIRED	Weed infestation (Kochia), along road is debris.	Control Weeds. CA date on current Inspection reflects written extension given from original CA date of 8/17/15 in Insp #680100021.	08/31/2015

Emergency Contact Number (S/A/V): \_\_\_\_\_

Corrective Date: \_\_\_\_\_

Comment: \_\_\_\_\_

Corrective Action: \_\_\_\_\_

**Good Housekeeping:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
STORAGE OF SUPL	ACTION REQUIRED	Yellow pipe stored on location.	Remove Pipe	11/17/2015
DEBRIS	ACTION REQUIRED	Kochia is debris and will blow, infecting adjacent water features and properties.	Control Weeds. CA date on current Inspection reflects written extension given from original CA date of 8/17/15 in Insp #680100021.	08/31/2015
WEEDS	ACTION REQUIRED	Kochia infestation is debris.	Control Weeds. CA date on current Inspection reflects written extension given from original CA date of 8/17/15 in Insp #680100021.	08/31/2015

**Spills:**

Inspector Name: Colby, Lou

Type	Area	Volume	Corrective action	CA Date
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☐ Multiple Spills and Releases?

<b>Venting:</b>	
Yes/No	Comment

<b>Flaring:</b>				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

**Predrill**

Location ID: 440634

**Site Preparation:**

Lease Road Adeq.: \_\_\_\_\_ Pads: \_\_\_\_\_ Soil Stockpile: \_\_\_\_\_

**S/A/V:** \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_ CDP Num.: \_\_\_\_\_

**Form 2A COAs:**

Group	User	Comment	Date
OGLA	kubeczkd	<p>Operator must ensure secondary containment for any volume of fluids contained at well site during drilling and completion operations; including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures (i.e., best management practices (BMPs) associated with stormwater management) sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals (at least every 14 days), and maintained in good condition.</p> <p>The access road will be constructed and maintained as to not allow any sediment to migrate from the access road to nearby surface water or any drainages leading to surface water.</p> <p>Strategically apply fugitive dust control measures, including encouraging 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 (corrugated steel with poly liner) to contain any spilled or released material around permanent crude oil, condensate, and produced water storage tanks.</p>	09/03/2014
OGLA	kubeczkd	Notify the COGCC 48 hours prior to start of pad construction, rig mobilization, spud, start of hydraulic stimulation operations, start of flowback operations, and pipeline testing using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).	09/03/2014
OGLA	kubeczkd	<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.</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 the surface pipelines. This will reduce surface disturbance.</p>	09/03/2014

OGLA	kubeczkd	<p>The moisture content of any cuttings in a cuttings trench or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, if the drill cuttings are to be left onsite, they must also meet the applicable standards of table 910-1.</p> <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 or storage vessel 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 constructed to be sufficiently impervious to contain any spilled or released material.</p>	09/03/2014
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**S/A/V:** \_\_\_\_\_ **Comment:** \_\_\_\_\_

**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Wildlife BMPs:**

BMP Type	Comment
General Housekeeping	<p><b>ENVIRONMENTAL STEWARDSHIP AND COMPLIANCE / HOUSEKEEPING</b></p> <ul style="list-style-type: none"> <li>• <b>AGENCY INSPECTIONS AND CORRECTIVE ACTIONS</b> – Ursa will implement corrective actions necessary in response to all Federal and state agency inspections in a timely manner. Inspections resulting in the potential for immediate or significant environmental impacts will be addressed immediately, subject to safety and weather considerations.</li> <li>• <b>URSA VOLUNTARY INSPECTIONS</b> – Ursa conducts voluntary inspections and corrective actions of all locations at least monthly using a self-implemented checklist of key actions (including environmental) that require compliance with COGCC, Federal, and other state and county requirements.</li> <li>• <b>AESTHETICS AND NOISE</b> – Lighting, noise, odors, dust and related nuisances are managed in accordance with COGCC 600 and 802, 803, 804 and 805 Series Rules, and in accordance with Ursa policies, procedures and checklists.</li> <li>• <b>AIR PERMITTING AND COMPLIANCE</b> – Ursa will comply with CDPHE regulations regarding air permitting, compliance monitoring, inspections and reporting. All air sources will be assigned AIRS ID numbers by the CDPHE and tracked for compliance and reporting purposes. In addition, Ursa is required to track, monitor and report Greenhouse Gas (GHG) emissions to EPA annually.</li> <li>• <b>CHEMICAL &amp; MATERIAL HANDLING</b> – All materials and chemicals will be managed to minimize environmental contamination in accordance with MSDS sheets and EPA, COGCC and CDPHE regulations. Materials and chemicals that are not a waste may be reused or recycled.</li> <li>• <b>SETBACK MITIGATION REQUIREMENTS</b> – Ursa has incorporated the mitigation requirements identified in COGCC Rule 604, as applicable on a site-specific basis into its Operations Checklists, Voluntary and Mandatory Site Inspections, and Environmental Programs plans, status monitoring, and policies and procedures.</li> <li>• <b>NOXIOUS WEEDS</b> – Weeds will be managed in accordance COGCC Rule 1003.f. and 1004.e. as incorporated into Ursa's Noxious Weed plan; to include up to three treatments per year depending upon the species being managed and mapping as needed, throughout the life cycle of the location (construction – final reclamation).</li> <li>• <b>SAFETY</b> – Safety requirements and buffers as required by the COGCC 602, 603, and 606A and 606B Series Rules, among others, and the Office of Safety and Health Administration (OSHA) will be observed at all time. Daily safety briefings and Job Safety Assessments (JSA's) are routinely conducted in all phases of operations. In addition, Ursa employees a full-time safety manager to oversee all field contractors.</li> <li>• <b>SPILLS / INCIDENTS</b> – Spill prevention and response are addressed in Ursa's Spill Prevention and Management Plan. This includes training of employees and contractors personnel on at least an annual basis. 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. As a BMP, Ursa tracks and cleans up all spills, including those that are not reportable.</li> <li>• <b>SPCC / CONTAINMENT</b> – All production tanks and tanks used for completions activities will be installed, labeled, contained, operated, and decommissioned in accordance with Ursa's SPCC/Containment Plan, which is required by EPA regulations (40 CFR 112). The plan, in combination with Ursa's Spill Prevention and Management plan, addresses COGCC 600 and 900 Series Rules, among others, regarding the management of tanks.</li> <li>• <b>WASTE</b> - The location will be managed in accordance with COGCC 907 and 907A Rules, which are incorporated into Ursa's Waste Management Plan, which addresses both E&amp;P and non-E&amp;P waste, including those under the jurisdiction of the CDPHE and EPA. The plan, in combination with Ursa's Spill Prevention and Management Plan, minimizes the potential for any exploration and production wastes, chemicals, fluids, etc. from leaving the location, using BMPs including berms, barriers, and use of spill control materials.</li> <li>• <b>WILDLIFE</b> - A Wildlife Mitigation Plan is in place that allows for 90+ well pads.</li> </ul>

Drilling/Completion Operations	<p><b>COMPLETIONS</b></p> <ul style="list-style-type: none"> <li>• The BMPs below entitled “Environmental Stewardship and Compliance” provide additional information that is applicable to one or more phases of operations.</li> <li>• AIR &amp; 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>• 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>• WASTE MANAGEMENT OF WATER – Flowback water used for well completions will be recycled and treated to the maximum extent practical at the location. Water that can't be recycled will be injected through the use of wells approved by COGCC and Garfield County, or transported via truck or pipeline to the COGCC and Garfield County approved Wasatch E&amp;P Facility.</li> <li>• WASTE - No stimulation or flowback pits will be constructed.</li> </ul>
Drilling/Completion Operations	<p><b>PRODUCTION</b></p> <ul style="list-style-type: none"> <li>• The BMPs entitled “Environmental Stewardship and Compliance” provided more detailed information regarding environmental protection applicable general operations.</li> <li>• All production equipment to include separators, produced water and condensate tanks, pipelines and flow lines will be constructed and managed in accordance with COGCC 605 and 1100 Series Rules.</li> <li>• AIR &amp; ODORS - Combustor controls will be used to mitigate odors from production tanks. Ursa will perform inspections on at least a monthly basis to ensure potential emissions sources are properly managed. In addition, Ursa's pumper crew inspects each location on a daily basis.</li> <li>• REMOTE MONITORING - Remote monitoring will be used to reduce truck traffic, fugitive dust to the extent practical.</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>• WILDLIFE – All separators/dehydrators and heater –treater equipment are outfitted with bird cones.</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, or transported via truck or pipeline to the COGCC and Garfield County approved Wasatch E&amp;P Facility.</li> </ul>
Planning	<p><b>GENERAL – PLANNING</b></p> <ul style="list-style-type: none"> <li>• This is a new oil and gas location and will include construction of a well pad and proposed wells.</li> <li>• Prior to initiation of the COGCC Form 2A permitting process, Ursa held internal meetings and onsites to determine the feasibility of the location, and identified all compliance requirements, guidance and policies needed to permit the location and proposed oil and gas operations. All COGCC permitting requirements under the 200 through 1200 series rules were incorporated, as appropriate into this Form 2A and related attachments.</li> <li>• The best management practices (BMPs) incorporated herein also considered other Federal, state and county agency requirements and guidance, including those under the jurisdiction of the Environmental Protection Agency (EPA), U.S. Fish and Wildlife Service (USFWS), U.S. Army Corps of Engineers (ACOE), Federal Emergency Management Agency (FEMA), Colorado Department of Public Health and Environmental (CDPHE), Colorado Parks and Wildlife (CPW), and Garfield County (GARCO), among others.</li> <li>• Planning and permitting information relevant to the location based on Federal, state and county regulations, guidance and policies is documented as appropriate in Ursa's “Site Assessment Checklist/Map”. A copy of this internal BMP (while not required) 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 applicable to the proposed activity. As a BMP, Ursa has developed checklists for these meetings to review regulations, COAs, NTOs and related requirements.</li> <li>• Traffic and Public Safety – Ursa developed a site-specific Emergency Response Plan (SSERP) and Haul Route Map which are communicated to local emergency response agencies, affect communities and stakeholders, as well as contractors performing work at the location.</li> </ul>

## General Housekeeping

## ENVIRONMENTAL STEWARDSHIP AND COMPLIANCE / HOUSEKEEPING

- **AGENCY INSPECTIONS AND CORRECTIVE ACTIONS** – Ursa will implement corrective actions necessary in response to all Federal and state agency inspections in a timely manner. Inspections resulting in the potential for immediate or significant environmental impacts will be addressed immediately, subject to safety and weather considerations.
- **URSA VOLUNTARY INSPECTIONS** – Ursa conducts voluntary inspections and corrective actions of all locations at least monthly using a self-implemented checklist of key actions (including environmental) that require compliance with COGCC, Federal, and other state and county requirements.
- **AESTHETICS AND NOISE** – Lighting, noise, odors, dust and related nuisances are managed in accordance with COGCC 600 and 802, 803, 804 and 805 Series Rules, and in accordance with Ursa policies, procedures and checklists.
- **AIR PERMITTING AND COMPLIANCE** – Ursa will comply with CDPHE regulations regarding air permitting, compliance monitoring, inspections and reporting. All air sources will be assigned AIRS ID numbers by the CDPHE and tracked for compliance and reporting purposes. In addition, Ursa is required to track, monitor and report Greenhouse Gas (GHG) emissions to EPA annually.
- **CHEMICAL & MATERIAL HANDLING** – All materials and chemicals will be managed to minimize environmental contamination in accordance with MSDS sheets and EPA, COGCC and CDPHE regulations. Materials and chemicals that are not a waste may be reused or recycled.
- **SETBACK MITIGATION REQUIREMENTS** – Ursa has incorporated the mitigation requirements identified in COGCC Rule 604, as applicable on a site-specific basis into its Operations Checklists, Voluntary and Mandatory Site Inspections, and Environmental Programs plans, status monitoring, and policies and procedures.
- **NOXIOUS WEEDS** – Weeds will be managed in accordance COGCC Rule 1003.f. and 1004.e. as incorporated into Ursa's Noxious Weed plan; to include up to three treatments per year depending upon the species being managed and mapping as needed, throughout the life cycle of the location (construction – final reclamation).
- **SAFETY** – Safety requirements and buffers as required by the COGCC 602, 603, and 606A and 606B Series Rules, among others, and the Office of Safety and Health Administration (OSHA) will be observed at all time. Daily safety briefings and Job Safety Assessments (JSA's) are routinely conducted in all phases of operations. In addition, Ursa employees a full-time safety manager to oversee all field contractors.
- **SPILLS / INCIDENTS** – Spill prevention and response are addressed in Ursa's Spill Prevention and Management Plan. This includes training of employees and contractors personnel on at least an annual basis. 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&P or non-E&P wastes. For E&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&P waste will be managed in accordance with CDPHE and EPA regulations depending on the volume spilled. As a BMP, Ursa tracks and cleans up all spills, including those that are not reportable.
- **SPCC / CONTAINMENT** – All production tanks and tanks used for completions activities will be installed, labeled, contained, operated, and decommissioned in accordance with Ursa's SPCC/Containment Plan, which is required by EPA regulations (40 CFR 112). The plan, in combination with Ursa's Spill Prevention and Management plan, addresses COGCC 600 and 900 Series Rules, among others, regarding the management of tanks.
- **WASTE** - The location will be managed in accordance with COGCC 907 and 907A Rules, which are incorporated into Ursa's Waste Management Plan, which addresses both E&P and non-E&P waste, including those under the jurisdiction of the CDPHE and EPA. The plan, in combination with Ursa's Spill Prevention and Management Plan, minimizes the potential for any exploration and production wastes, chemicals, fluids, etc. from leaving the location, using BMPs including berms, barriers, and use of spill control materials.
- **WILDLIFE** - 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 and communicates with Colorado Parks and Wildlife routinely.

Drilling/Completion Operations	<p><b>COMPLETIONS</b></p> <ul style="list-style-type: none"> <li>• The BMPs entitled “Environmental Stewardship and Compliance” provide additional information that is applicable to one or more phases of operations.</li> <li>• AIR &amp; 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>• 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>• WASTE MANAGEMENT OF WATER – Flowback water used for well completions will be recycled and treated to the maximum extent practical at the location. Water that can’t be recycled will be injected through the use of wells approved by COGCC and Garfield County, or transported via truck or pipeline to the COGCC and Garfield County approved Wasatch E&amp;P Facility.</li> <li>• WASTE - No stimulation or flowback pits will be constructed.</li> </ul>
Planning	<p><b>GENERAL – PLANNING</b></p> <ul style="list-style-type: none"> <li>• This is a new oil and gas location and will include construction of a well pad and proposed wells.</li> <li>• Prior to initiation of the COGCC Form 2A permitting process, Ursa held internal meetings and onsites to determine the feasibility of the location, and identified all compliance requirements, guidance and policies needed to permit the location and proposed oil and gas operations. All COGCC permitting requirements under the 200 through 1200 series rules were incorporated, as appropriate into this Form 2A and related attachments.</li> <li>• The best management practices (BMPs) incorporated herein also considered other Federal, state and county agency requirements and guidance, including those under the jurisdiction of the Environmental Protection Agency (EPA), U.S. Fish and Wildlife Service (USFWS), U.S. Army Corps of Engineers (ACOE), Federal Emergency Management Agency (FEMA), Colorado Department of Public Health and Environmental (CDPHE), Colorado Parks and Wildlife (CPW), and Garfield County (GARCO), among others.</li> <li>• Planning and permitting information relevant to the location based on Federal, state and county regulations, guidance and policies is documented as appropriate in Ursa’s “Site Assessment Checklist/Map”. A copy of this internal BMP (while not required) 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 applicable to the proposed activity. As a BMP, Ursa has developed checklists for these meetings to review regulations, COAs, NTOs and related requirements.</li> <li>• Traffic and Public Safety – Ursa developed a site-specific Emergency Response Plan (SSERP) and Haul Route Map which are communicated to local emergency response agencies, affect communities and stakeholders, as well as contractors performing work at the location.</li> </ul>



Wildlife	<ol style="list-style-type: none"><li>1. Closed loop (pitless) drilling systems.</li><li>2. Annual raptor and other bird surveys will be conducted in accordance with protocols provided by CPW.</li><li>3. Rig shift changes will take place when practical at 6am and 6pm and will utilize one (1) vehicle to minimize impacts to wildlife.</li><li>4. Development program is planned to include four phases as a means for mitigating wildlife impacts. These phases will be based on infrastructure construction schedules and will be coordinated with affected land owners, the Battlement Mesa Services Association (BMSA), local municipalities, Garfield County, COGCC, and CDPHE during the Comprehensive Drilling Plan and the Major Land Use Impact Review process.</li><li>5. Well pad location visits during the production phase of operations (post drilling and completion for all wells on a well pad location) will be restricted when/where possible to between the hours of 10am and 3pm to minimize impacts to wildlife unless operational concerns warrant pad visits outside this timeframe.</li><li>6. Buried water and gas pipelines will be utilized as means to reduce truck traffic and impacts to wildlife.</li><li>7. Restrict rig operation to no more than 2 rigs per section (or equivalent acreage) within the big-game seclusion areas during the winter.</li><li>8. Maintaining a ¼ mile no surface occupancy buffer around active bald eagle nests.</li><li>9. New pad construction not to exceed 3 acres of working surface.</li><li>10. Pad density not to exceed 1 pad per 160 acres.</li><li>11. Bury all gas and water pipelines adjacent to roads whenever possible.</li><li>12. A weed management plan will be developed and implemented to monitor and control noxious and invasive weeds.</li><li>13. Noxious weed control includes three treatments per year.</li><li>14. Existing weed infestations will be mapped prior to the development of each pad, access road and pipeline when practicable.</li><li>15. Antero (now Ursa) has completed all habitat restoration contributions contained within the WMP.</li></ol>
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Construction	<p><b>CONSTRUCTION AND SITE STABILIZATION</b></p> <ul style="list-style-type: none"> <li>• The BMPs entitled “Environmental Stewardship and Compliance” provide additional information that is applicable to one or more phases of operations.</li> <li>• <b>CONSTRUCTION (General)</b> – The location will be constructed and maintained in accordance with COGCC 1002 Rules regarding soil and stormwater management, and surface disturbance minimization as incorporated into Ursa’s plans, policies and procedures.</li> <li>• <b>DUST CONTROL</b> - The pad and access road will be graveled to reduce fugitive dust and maintained as required by COGCC rules. In addition, water and other dust suppressants are used as required, dependent upon the level of activity, moisture conditions, etc. throughout all phases of operations</li> <li>• <b>RECLAMATION (Interim)</b> - The site/soils will be stabilized as soon as practical during and immediately following construction. Once wells at the location are drilled, Ursa will complete interim reclamation in accordance with the COGCC 1003 rules using seed mixes and materials compatible with soil types, moisture, and local climate conditions as specified by the appropriate agency and/or in landowner surface use agreements, or locally acceptable industry practices.</li> <li>• <b>STORMWATER</b> - The location will be constructed / maintained in accordance with the CDPHE and COGCC 1002.f. (1) and (2) stormwater regulations as implemented by Ursa’s Stormwater Management Plan, so as to control sediment run-off. Stormwater BMPs will 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 and maintenance will be tracked and implemented. The post-construction stormwater program will be managed in accordance with COGCC Rule 1002.f. (3). Inspections and corrective actions 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>WATER WELL SAMPLING (COGCC Rule 609)</b> – Water well sampling will be conducted prior to setting conductors; followed by post-sampling requirements and reporting the landowner and COGCC. No water wells exist within ½ mile of the locations under this Form 2A.</li> <li>• For safety purposes, 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>FLOODPLAIN IMPACTS</b> – Ursa completed a floodplain assessment and found that this location did not meet criteria to be designated within the 100 year floodplain.</li> </ul>
Drilling/Completion Operations	<p><b>DRILLING</b></p> <ul style="list-style-type: none"> <li>• Drilling multiple wells from this location using directional / horizontal drilling will be implemented to avoid the need for additional well pads; reducing potential environmental impacts to include habitat loss and fragmentation, noise, traffic concerns, and related impacts to air, land and water.</li> <li>• <b>MIRU</b> – Unless waived, Notice to all Building Unit owners will be sent at least 30 days, but no more than 90 days within the Buffer Zone prior to the Move-In, Rig-Up of the drilling rig when more than 1 year has elapsed since previous notice or since drilling activity last occurred, or if no notice had previously been required in accordance with the four examples provided in the COGCC MIRU policy.</li> <li>• No cuttings pits are proposed.</li> </ul>
Community Outreach and Notification	<p><b>COMMUNITY / STAKEHOLDER OUTREACH AND NOTIFICATIONS</b></p> <ul style="list-style-type: none"> <li>• An SUA has been signed with the landowner allowing this location to be constructed, drilled and operated in accordance with the Form 2A submitted.</li> <li>• The landowner has waived all COGCC notifications to include Pre-application notifications, statutory notifications, drilling and completions notifications related to Federal surface, as they are intimately involved with all phases of permitting the location and associated wells.</li> <li>• Ursa routinely communicates proposed plans and operations schedules to stakeholders through Community Counts, the GARCO Energy Advisory Board, Battlement Mesa Concerned Citizens, NW Colorado Oil &amp; Gas Forum and others. 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, as appropriate.</li> </ul>

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Construction	<p><b>CONSTRUCTION AND SITE STABILIZATION</b></p> <ul style="list-style-type: none"> <li>• The BMPs below entitled “Environmental Stewardship and Compliance” provide additional information that is applicable to one or more phases of operations.</li> <li>• <b>CONSTRUCTION (General)</b> – The location will be constructed and maintained in accordance with COGCC 1002 Rules regarding soil and stormwater management, and surface disturbance minimization as incorporated into Ursa’s plans, policies and procedures.</li> <li>• <b>DUST CONTROL</b> - The pad and access road will be graveled to reduce fugitive dust and maintained as required by COGCC rules. In addition, water and other dust suppressants are used as required, dependent upon the level of activity, moisture conditions, etc. throughout all phases of operations</li> <li>• <b>RECLAMATION (Interim)</b> - The site/soils will be stabilized as soon as practical during and immediately following construction. Once wells at the location are drilled, Ursa will complete interim reclamation in accordance with the COGCC 1003 rules using seed mixes and materials compatible with soil types, moisture, and local climate conditions as specified by the appropriate agency and/or in landowner surface use agreements, or locally acceptable industry practices.</li> <li>• <b>STORMWATER</b> - The location will be constructed / maintained in accordance with the CDPHE and COGCC 1002.f. (1) and (2) stormwater regulations as implemented by Ursa’s Stormwater Management Plan, so as to control sediment run-off. Stormwater BMPs will 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 and maintenance will be tracked and implemented. The post-construction stormwater program will be managed in accordance with COGCC Rule 1002.f. (3). Inspections and corrective actions 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>WATER WELL SAMPLING (COGCC Rule 609)</b> – Water well sampling will be conducted prior to setting conductors; followed by post-sampling requirements and reporting the landowner and COGCC. No water wells exist within ½ mile of the locations under this Form 2A.</li> <li>• For safety purposes, 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>FLOODPLAIN IMPACTS</b> – Ursa completed a floodplain assessment and found that this location did not meet criteria to be designated within the 100 year floodplain.</li> </ul>

Drilling/Completion Operations	<b>PRODUCTION</b> <ul style="list-style-type: none"> <li>• The BMPs below entitled "Environmental Stewardship and Compliance" provided more detailed information regarding environmental protection applicable general operations.</li> <li>• All production equipment to include separators, produced water and condensate tanks, pipelines and flow lines will be constructed and managed in accordance with COGCC 605 and 1100 Series Rules.</li> <li>• AIR &amp; ODORS - Combustor controls will be used to mitigate odors from production tanks. Ursa will perform inspections on at least a monthly basis to ensure potential emissions sources are properly managed. In addition, Ursa's pumper crew inspects each location on a daily basis.</li> <li>• REMOTE MONITORING - Remote monitoring will be used to reduce truck traffic, fugitive dust to the extent practical.</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>• WILDLIFE – All separators/dehydrators and heater –treater equipment are outfitted with bird cones.</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, or transported via truck or pipeline to the COGCC and Garfield County approved Wasatch E&amp;P Facility.</li> </ul>
Community Outreach and Notification	<b>COMMUNITY / STAKEHOLDER OUTREACH AND NOTIFICATIONS</b> <ul style="list-style-type: none"> <li>• An SUA has been signed with the landowner allowing this location to be constructed, drilled and operated in accordance with the Form 2A submitted.</li> <li>• The landowner has waived all COGCC notifications to include Pre-application notifications, statutory notifications, drilling and completions notifications related to Federal surface, as they are intimately involved with all phases of permitting the location and associated wells.</li> <li>• Ursa routinely communicates proposed plans and operations schedules to stakeholders through Community Counts, the GARCO Energy Advisory Board, Battlement Mesa Concerned Citizens, NW Colorado Oil &amp; Gas Forum and others. 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, as appropriate.</li> </ul>

**S/AV:** \_\_\_\_\_ **Comment:** \_\_\_\_\_

**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Stormwater:**

**Comment:** \_\_\_\_\_

**Staking:**

**On Site Inspection (305):**

**Surface Owner Contact Information:**

Name: \_\_\_\_\_ Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

**Operator Rep. Contact Information:**

Landman Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Date Onsite Request Received: \_\_\_\_\_ Date of Rule 306 Consultation: \_\_\_\_\_

Request LGD Attendance: \_\_\_\_\_

**LGD Contact Information:**

Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_ Agreed to Attend: \_\_\_\_\_

**Summary of Landowner Issues:**

**Summary of Operator Response to Landowner Issues:**

**Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:**

Facility									
Facility ID:	440632	Type:	WELL	API Number:	045-22705	Status:	XX	Insp. Status:	ND
Facility ID:	440633	Type:	WELL	API Number:	045-22706	Status:	XX	Insp. Status:	ND
Facility ID:	440635	Type:	WELL	API Number:	045-22707	Status:	XX	Insp. Status:	ND
Facility ID:	440636	Type:	WELL	API Number:	045-22708	Status:	XX	Insp. Status:	ND
Facility ID:	440637	Type:	WELL	API Number:	045-22709	Status:	XX	Insp. Status:	ND
Facility ID:	440638	Type:	WELL	API Number:	045-22710	Status:	XX	Insp. Status:	ND
Facility ID:	440639	Type:	WELL	API Number:	045-22711	Status:	XX	Insp. Status:	ND
Facility ID:	440640	Type:	WELL	API Number:	045-22712	Status:	XX	Insp. Status:	ND
Facility ID:	440641	Type:	WELL	API Number:	045-22713	Status:	XX	Insp. Status:	ND
Facility ID:	440642	Type:	WELL	API Number:	045-22714	Status:	XX	Insp. Status:	ND
Facility ID:	440643	Type:	WELL	API Number:	045-22715	Status:	XX	Insp. Status:	ND
Facility ID:	440644	Type:	WELL	API Number:	045-22716	Status:	XX	Insp. Status:	ND
Facility ID:	440645	Type:	WELL	API Number:	045-22717	Status:	XX	Insp. Status:	ND
Facility ID:	440646	Type:	WELL	API Number:	045-22718	Status:	XX	Insp. Status:	ND
Facility ID:	440647	Type:	WELL	API Number:	045-22719	Status:	XX	Insp. Status:	ND
Facility ID:	440648	Type:	WELL	API Number:	045-22720	Status:	XX	Insp. Status:	ND
Facility ID:	440649	Type:	WELL	API Number:	045-22721	Status:	XX	Insp. Status:	ND
Facility ID:	440650	Type:	WELL	API Number:	045-22722	Status:	XX	Insp. Status:	ND
Facility ID:	440651	Type:	WELL	API Number:	045-22723	Status:	XX	Insp. Status:	ND
Facility ID:	441596	Type:	WELL	API Number:	045-22843	Status:	XX	Insp. Status:	ND
Facility ID:	441597	Type:	WELL	API Number:	045-22844	Status:	XX	Insp. Status:	ND
Facility ID:	441598	Type:	WELL	API Number:	045-22845	Status:	XX	Insp. Status:	ND

Inspector Name: Colby, Lou

Facility ID: 441599 Type: WELL API Number: 045-22846 Status: XX Insp. Status: ND

Facility ID: 441600 Type: WELL API Number: 045-22847 Status: XX Insp. Status: ND

### Environmental

#### Spills/Releases:

Type of Spill: Description: Estimated Spill Volume:  
Comment:  
Corrective Action: Date:  
Reportable: GPS: Lat Long  
Proximity to Surface Water: Depth to Ground Water:

#### Water Well:

DWR Receipt Num: Owner Name: GPS : Lat Long

#### Field Parameters:

Sample Location:

Emission Control Burner (ECB):

Comment:  
Pilot: Wildlife Protection Devices (fired vessels):

### Reclamation - Storm Water - Pit

#### Interim Reclamation:

Date Interim Reclamation Started: Date Interim Reclamation Completed:

Land Use: COMMERCIAL, OTHER, RANGELAND

Comment: Disturbed area at South end of Location is exposed and unstabilized. CA is to Reclaim area, CA date is 11/30/15.

1003a. Debris removed? CM CA CA Date  
Waste Material Onsite? CM CA CA Date  
Unused or unneeded equipment onsite? CM CA CA Date  
Pit, cellars, rat holes and other bores closed? CM CA CA Date  
Guy line anchors removed? CM CA CA Date  
Guy line anchors marked? CM CA CA Date

1003b. Area no longer in use? Fail Production areas stabilized ? Fail

1003c. Compacted areas have been cross ripped?

Inspector Name: Colby, Lou

1003d. Drilling pit closed? \_\_\_\_\_ Subsidence over on drill pit? \_\_\_\_\_  
Cuttings management: \_\_\_\_\_  
1003e. Areas no longer needed for drilling or subsequent operations for have been re-vegetated to 80% of pre-existing? \_\_\_\_\_  
Production areas have been stabilized? \_\_\_\_\_ Segregated soils have been replaced? \_\_\_\_\_

RESTORATION AND REVEGETATION

Cropland

Top soil replaced \_\_\_\_\_ Recontoured \_\_\_\_\_ Perennial forage re-established \_\_\_\_\_

Non-Cropland

Top soil replaced \_\_\_\_\_ Recontoured \_\_\_\_\_ 80% Revegetation \_\_\_\_\_

1003 f. Weeds Noxious weeds? \_\_\_\_\_ F \_\_\_\_\_

Comment: Russian Knapweed, B list noxious weed establishing in berm areas. CA is to Control weeds. CA date is 8/31/15. CA date reflects written extension given from original CA date of 8/17/15 in Insp #680100021. Refer to Inspector comments, photos attached.

Overall Interim Reclamation In Process

**Final Reclamation/ Abandoned Location:**

Date Final Reclamation Started: \_\_\_\_\_ Date Final Reclamation Completed: \_\_\_\_\_

Final Land Use: COMMERCIAL, OTHER, RANGELAND \_\_\_\_\_

Reminder: \_\_\_\_\_

Comment: \_\_\_\_\_

Well plugged \_\_\_\_\_ Pit mouse/rat holes, cellars backfilled \_\_\_\_\_

Debris removed \_\_\_\_\_ No disturbance /Location never built \_\_\_\_\_

Access Roads Regraded \_\_\_\_\_ Contoured \_\_\_\_\_ Culverts removed \_\_\_\_\_

Gravel removed \_\_\_\_\_

Location and associated production facilities reclaimed \_\_\_\_\_ Locations, facilities, roads, recontoured \_\_\_\_\_

Compaction alleviation \_\_\_\_\_ Dust and erosion control \_\_\_\_\_

Non cropland: Revegetated 80% \_\_\_\_\_ Cropland: perennial forage \_\_\_\_\_

Weeds present \_\_\_\_\_ Subsidence \_\_\_\_\_

Comment: \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date \_\_\_\_\_

Overall Final Reclamation \_\_\_\_\_ Well Release on Active Location ☐ Multi-Well Location ☐

**Storm Water:**

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Berms	Fail					Kochia not an accepted vegetative cover.
Seeding						
Ditches	Fail	Ditches	Fail			Kochia is not an accepted erosion control.

S/A/V: ACTION REQUIRED Corrective Date: 08/31/2015

Comment: CA date on current Inspection reflects written extension given from original CA date of 8/17/15 in Insp #680100021.

CA: Control weeds on location and reseed as necessary.

Inspector Name: Colby, Lou

<b>Pits:</b>	<input checked="" type="checkbox"/> NO SURFACE INDICATION OF PIT
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**COGCC Comments**

Comment	User	Date
Corrective Actions from Inspection # 680100021 have not been addressed. Form 42 Doc# 400889784 submitted by Operator, received by COGCC 8/25/15 states "All Corrective Actions required by field inspection document # 680100021 have been performed. Date of Completion: 08/21/2015. Site is ready for re-inspection". Photos attached illustrate Operator's lack of compliance. Kochia infestation is reaching break off, tumble stage that will infect adjacent water body and properties that are either Native vegetation or mowed complying with Parachute's Municipal Code.	colbyl	10/11/2015
Knapweed on berms does not appear to have had controls applied, as plants with matured seed heads are evident, refer to photos .		

**Attached Documents**

You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
680100190	INSPECTION APPROVED	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3702223">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3702223</a>
680100215	Inspection Photos.	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3702220">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3702220</a>



## **ACTION REQUIRED**

**ANY ACTION REQUIRED** items listed on this report indicate that the oil and gas facility or the oil and gas operations listed on the report may be in violation of the rules and regulations of the Colorado Oil and Conservation Commission (“COGCC”) and corrective action is required.

There is reasonable cause to believe that a violation of the Oil and Gas Conservation Act, or of any rule, regulation, or order of the Commission, or of any permit issued by the Commission, has occurred. The Operator’s compliance with this Inspection Report is required to resolve these alleged violations. This document requires the Operator to timely respond to the COGCC and to comply with directives as listed by the **Corrective Action Deadline Date**. Failure to do so will result in the issuance of a Notice of Alleged Violation and initiation of enforcement proceedings in which COGCC will seek monetary penalties for the alleged violations pursuant to § 34-60-121, C.R.S. and Rule 523, COGCC Rules of Practice and Procedure, 2 CCR 404-1. (Please note that the COGCC's penalty authority was recently increased to a maximum of \$15,000 per day and penalties are no longer capped at a maximum of \$10,000 per violation.)