

**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

Inspection Date:

08/03/2016

Document Number:

666802445

Overall Inspection:

SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	443442	443383	Murray, Richard	<input type="checkbox"/>	

Operator Information:OGCC Operator Number: 10447Name of Operator: URSA OPERATING COMPANY LLCAddress: 1050 17TH STREET #1700City: DENVER State: CO Zip: 80265

- ☐ 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
Knudson, Dwayne	970-456-3335	dknudson@ursaresources.com	All Inspections

Compliance Summary:QtrQtr: SWNE Sec: 14 Twp: 6S Range: 92W**Inspector Comment:**Drilling permits expire 9/29/2017, No visual sign of location being built**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
437721	WELL	XX	05/07/2014	LO	045-22441	VALLEY FARMS G 31A-14-06-92	ND	<input checked="" type="checkbox"/>
437722	WELL	XX	05/07/2014	LO	045-22442	VALLEY FARMS G 31B-14-06-92	ND	<input checked="" type="checkbox"/>
443378	WELL	XX	09/30/2015	LO	045-22978	VALLEY FARMS G 41C-14-06-92	ND	<input checked="" type="checkbox"/>
443379	WELL	XX	09/30/2015	LO	045-22979	VALLEY FARMS G 43A-14-06-92	ND	<input checked="" type="checkbox"/>
443380	WELL	XX	09/30/2015	LO	045-22980	VALLEY FARMS G 21D-14-06-92	ND	<input checked="" type="checkbox"/>
443381	WELL	XX	09/30/2015	LO	045-22981	VALLEY FARMS G 23A-14-06-92	ND	<input checked="" type="checkbox"/>
443382	WELL	XX	09/30/2015	LO	045-22982	VALLEY FARMS G 42A-14-06-92	ND	<input checked="" type="checkbox"/>
443384	WELL	XX	09/30/2015	LO	045-22983	VALLEY FARMS G 23B-14-06-92	ND	<input checked="" type="checkbox"/>
443385	WELL	XX	09/30/2015	LO	045-22984	VALLEY FARMS G 31D-14-06-92	ND	<input checked="" type="checkbox"/>
443386	WELL	XX	09/30/2015	LO	045-22985	VALLEY FARMS G 21C-14-06-92	ND	<input checked="" type="checkbox"/>
443387	WELL	XX	09/30/2015	LO	045-22986	VALLEY FARMS G 43D-14-06-92	ND	<input checked="" type="checkbox"/>
443388	WELL	XX	09/30/2015	LO	045-22987	VALLEY FARMS G 23C-14-06-92	ND	<input checked="" type="checkbox"/>

443389	WELL	XX	09/30/2015	LO	045-22988	VALLEY FARMS G 31C-14-06-92	ND	X
443390	WELL	XX	09/30/2015	LO	045-22989	VALLEY FARMS G 24B-14-06-92	ND	X
443391	WELL	XX	09/30/2015	LO	045-22990	VALLEY FARMS G 22D-14-06-92	ND	X
443392	WELL	XX	09/30/2015	LO	045-22991	VALLEY FARMS G 21A-14-06-92	ND	X
443393	WELL	XX	09/30/2015	LO	045-22992	VALLEY FARMS G 42C-14-06-92	ND	X
443394	WELL	XX	09/30/2015	LO	045-22993	VALLEY FARMS G 42B-14-06-92	ND	X
443395	WELL	XX	09/30/2015	LO	045-22994	VALLEY FARMS G 22C-14-06-92	ND	X
443396	WELL	XX	09/30/2015	LO	045-22995	VALLEY FARMS G 24C-14-06-92	ND	X
443397	WELL	XX	09/30/2015	LO	045-22996	VALLEY FARMS G 24A-14-06-92	ND	X
443398	WELL	XX	09/30/2015	LO	045-22997	VALLEY FARMS G 43B-14-06-92	ND	X
443399	WELL	XX	09/30/2015	LO	045-22998	VALLEY FARMS G 42D-14-06-92	ND	X
443400	WELL	XX	09/30/2015	LO	045-22999	VALLEY FARMS G 22A-14-06-92	ND	X
443401	WELL	XX	09/30/2015	LO	045-23000	VALLEY FARMS G 23D-14-06-92	ND	X
443402	WELL	XX	09/30/2015	LO	045-23001	VALLEY FARMS G 43C-14-06-92	ND	X
443403	WELL	XX	09/30/2015	LO	045-23002	VALLEY FARMS G 21B-14-06-92	ND	X
443404	WELL	XX	09/30/2015	LO	045-23003	VALLEY FARMS G 24D-14-06-92	ND	X
443405	WELL	XX	09/30/2015	LO	045-23004	VALLEY FARMS G 41D-14-06-92	ND	X
443406	WELL	XX	09/30/2015	LO	045-23005	VALLEY FARMS G 22B-14-06-92	ND	X
443430	WELL	XX	09/30/2015	LO	045-23006	VALLEY FARMS G 34D-14-06-92	ND	X
443431	WELL	XX	09/30/2015	LO	045-23007	VALLEY FARMS G 33B-14-06-92	ND	X
443432	WELL	XX	09/30/2015	LO	045-23008	VALLEY FARMS G 34B-14-06-92	ND	X
443433	WELL	XX	09/30/2015	LO	045-23009	VALLEY FARMS G 34C-14-06-92	ND	X
443434	WELL	XX	09/30/2015	LO	045-23010	VALLEY FARMS G 34A-14-06-92	ND	X
443435	WELL	XX	09/30/2015	LO	045-23011	VALLEY FARMS G 32D-14-06-92	ND	X
443436	WELL	XX	09/30/2015	LO	045-23012	VALLEY FARMS G 33D-14-06-92	ND	X
443437	WELL	XX	09/30/2015	LO	045-23013	VALLEY FARMS G 32C-14-06-92	ND	X
443438	WELL	XX	09/30/2015	LO	045-23014	VALLEY FARMS G 33A-14-06-92	ND	X

Inspector Name: Murray, Richard

443439	WELL	XX	09/30/2015	LO	045-23015	VALLEY FARMS G 32A-14-06-92	ND	<input checked="" type="checkbox"/>
443440	WELL	XX	09/30/2015	LO	045-23016	VALLEY FARMS G 42EWI-14-06-92	ND	<input checked="" type="checkbox"/>
443441	WELL	XX	09/30/2015	LO	045-23017	VALLEY FARMS G 33C-14-06-92	ND	<input checked="" type="checkbox"/>
443442	WELL	XX	09/30/2015	LO	045-23018	VALLEY FARMS G 32B-14-06-92	ND	<input checked="" type="checkbox"/>

Equipment:Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>45</u>	Production Pits: _____
Condensate Tanks: <u>2</u>	Water Tanks: <u>8</u>	Separators: <u>44</u>	Electric Motors: _____
Gas or Diesel Motors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: _____	VOC Combustor: <u>2</u>	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: <u>1</u>	Flare: _____	Fuel Tanks: _____

Location**Lease Road:**

Type	Satisfactory/Action Required	comment	Corrective Action	Date

Signs/Marker:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Emergency Contact Number (S/AR): _____

Corrective Date: _____

Comment: _____

Corrective Action: _____

Good Housekeeping:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Spills:

Type	Area	Volume	Corrective action	CA Date
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☐ Multiple Spills and Releases?**Fencing/:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Equipment:

Type:	#	Satisfactory/Action Required:
Comment		
Corrective Action		Date: _____

Venting:

Yes/No	
Comment	

Flaring:

Type		Satisfactory/Action Required	
Comment:			
Corrective Action:		Correct Action Date:	

Predrill

Location ID: 443442

Lease Road Adeq.: _____ Pads: _____ Soil Stockpile: _____

S/AR: _____

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 (at a minimum as described in the Proposed BMPs attachment); 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 after precipitation events), and maintained in good condition.</p> <p>The access road will be maintained as to not allow any sediment to migrate from the access road to nearby surface water or any drainages or ditches 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>Operator will provide temporary engineering controls to prevent uncontrolled public access during drilling and completion activities.</p> <p>Operator will take aggressive action to establish vegetation on cut and fill slopes to prevent storm water erosion and the generation of fugitive dust.</p> <p>Berms or other containment devices shall be constructed to be sufficiently impervious (corrugated steel with poly liner or equivalent) to contain any spilled or released material around permanent crude oil, condensate, and produced water storage tanks.</p>	09/22/2015

OGLA	kubeczkd	<p>Approval of this Form 2A and the Form 2 for the injection well (Form 2# 400834387) does not authorize operator the right to inject. Authorization to inject into the selected Formation(s) requires approval of both the Form 31 and the Form 33.</p> <p>Operator will use qualified containment devices for all appropriate chemicals/hazardous materials and injection equipment (pumps) used onsite during the operation of the injection well.</p> <p>All tanks and aboveground vessels containing fluids must have secondary containment structures. All secondary containment structures/areas must be lined. Operator must ensure a minimum of 110 percent secondary containment for the largest structure containing fluids within each bermed area at the facility during operations. The construction and lining of the secondary containment structures/areas shall be supervised by a professional engineer or their agent.</p> <p>Operator shall equip and maintain on all tanks an electronic level monitoring device.</p> <p>Unless otherwise determined by COGCC staff that a water sample of the proposed injection formation is not required, before hydraulic stimulation of the injection well, operator shall collect a groundwater sample from the Iles Formation and analyze for total dissolved solids (TDS); submit laboratory analytical results to COGCC (emails: bob.koehler@state.co.us and arthur.koelspell@state.co.us).</p>	09/22/2015
OGLA	kubeczkd	<p>Notify the COGCC 48 hours prior to start of pad construction, rig mobilization, spud, start of hydraulic stimulation operations, start of flowback operations (if different than the start of hydraulic stimulation operations), and pipeline testing using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).</p> <p>Operator will implement sufficient public notification of proposed oil and gas activities.</p> <p>Operator will review local governmental requirements for access from public roads.</p>	09/22/2015

OGLA	kubeczkd	<p>The moisture content of drill cuttings managed onsite shall be kept as low as practicable to prevent accumulation of liquids greater than de minimis amounts. Operator indicates that cuttings will be disposed of offsite. No onsite disposal of cuttings or disposal to another oil and gas location shall occur without prior approval of a Form 4 Sundry Notice specifying disposal location (onsite or another URSA location) and waste characterization method. Any drill cuttings that will remain on the well pad location (cuttings management area, the cut portion of the pad, cuttings trench, dry cuttings drilling pit), must meet the applicable standards of Table 910-1. Land-farming of E&P waste is prohibited on the location; however, this shall not preclude onsite disposal of E&P waste in accordance with COGCC Rules and permit conditions. After the drill cuttings have been amended (if necessary) and placed on the well pad, sampling frequency of the drill cuttings (to be determined by the operator) shall be representative of the material left on location.</p> <p>Lighting abatement measures beyond the requirements of Rule 803. shall be implemented, including the following, at a minimum: (1) rig oriented to direct light away from nearby residents; and (2) install lighting shield devices on all of the more conspicuous lights.</p> <p>Emissions from condensate, crude oil, and produced water tanks and from glycol dehydrators shall be controlled as described in Rule 805.b.(2), notwithstanding the exceptions for production facilities emitting less than five tons per year (TPY) of volatile organic compounds (VOC).</p> <p>Air quality and odor controls will be implemented and will include the following : (1) flowback stream to be routed from wellhead to a separator and then to a sealed flowback tank, with non-salable gas sent to a temporary flare or VOC combustor; (2) oil or condensate captured during separation process will be sent to a tank with emissions controls; (3) frac/flowback storage tank hatches shall operate with hydrocarbon absorbing blankets to control odors; and (4) operator will comply with the green completions section under Rule 805.b.(3).</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>	09/22/2015
OGLA	kubeczkd	<p>Operator shall pressure test pipelines (flowlines upstream of the point of sale) 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>	09/22/2015

S/AR: SATISFACTORY

Comment: No drilling at time of inspection

CA: Date:

Wildlife BMPs:

BMP Type	Comment
Drilling/Completion Operations	<ul style="list-style-type: none"> • The BMPs below entitled “Environmental Stewardship and Compliance” provided more detailed information regarding environmental protection applicable general operations. • All production equipment to include separators, produced water and condensate tanks, pipelines and flowlines will be constructed and managed in accordance with COGCC 605 and 1100 Series Rules. • AIR & 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. • REMOTE MONITORING - Remote monitoring will be used to reduce truck traffic, fugitive dust to the extent practical. • VISUAL IMPACTS - Above-ground facilities (e.g. production tanks) will be managed to minimize visual effects (e.g. painted to blend with environment) • WILDLIFE – All separators/dehydrators and heater –treater equipment are outfitted with bird cones. • 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&P Facility. • The Salt Water Disposal (SWD) well will be permitted, operated and tested in accordance with COGCC Rule 325 and 326.
Community Outreach and Notification	<ul style="list-style-type: none"> • An SUA has been signed with the landowner allowing this location to be constructed, drilled and operated in accordance with the Form 2A submitted. • As of the submittal date, the two landowners within the 1000’ Buffer Zone have not waived COGCC notifications to include Pre-application notifications, statutory notifications, drilling and completions notifications related to Fee surface. On-going communication, as required, will be conducted during permitting and operations phases of the project. • 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 & Gas Forum and others. In addition, periodic stakeholder meetings are held with landowners and affected parties. • Communication with Kirby Wynn and municipal LGDs are also held routinely in addition to communication required by COGCC regulations, as appropriate.
Planning	<ul style="list-style-type: none"> • This is a new oil and gas location and will also include a proposed Salt Water Disposal (SWD well). • This location will also require an Underground Injection Control permit from Garfield County. • Prior to initiation of the COGCC Form 2A permitting process, Ursa held internal meetings and onsite 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. • 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. • 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. • Upon approval of the Form 2A, Ursa holds Pre-Construction, Pre-Spud, Pre-Completions and PreProduction 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. • 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.

General Housekeeping	<ul style="list-style-type: none"> • 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 (outside containment) or 5 barrels (within containment) 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 is in place that allows for 90+ well pads. Annual meetings will be held with Colorado Parks and Wildlife (CPW) to determine any additional mitigation needs.
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Drilling/Completion Operations	<ul style="list-style-type: none"> • 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. • MIRU – 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. • No cuttings pits are proposed.
Construction	<ul style="list-style-type: none"> • The BMPs below entitled “Environmental Stewardship and Compliance” provide additional information that is applicable to one or more phases of operations. • CONSTRUCTION (General) – 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. • DUST CONTROL - 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 • RECLAMATION (Interim) - 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. • STORMWATER - 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. • WATER WELL SAMPLING (COGCC Rule 609) – 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. • PUBLIC WATER SUPPLY SAMPLING (COGCC Rule 317B) – This location is not within a 317B designated area; therefore no site-specific BMPs are proposed. • 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. • FLOODPLAIN IMPACTS – This location isn’t within a designated 100 year floodplain; therefore no site-specific BMPs are proposed.

Drilling/Completion Operations	<ul style="list-style-type: none"> • The BMPs below entitled "Environmental Stewardship and Compliance" provide additional information that is applicable to one or more phases of operations. • TEMPORARY COMPLETIONS FACILITIES - Completions at the location may be supported by staging temporary tanks / water pumping station at adjacent existing location(s), including the Valley Farms I (preferred) and the Valley Farms L pads. This will support lease operations as authorized under COGCC regulations. This will eliminate the need for additional surface disturbance. Water will be transferred between the locations via buried waterline (or temporary surface line). Buried water pipeline infrastructure is used to transport flowback water where water lines exist in close proximity to the well pad will be installed concurrently with the gas pipeline infrastructure where possible. No water pipeline infrastructure currently exists at the Valley Farms G, but will be installed during gas pipeline construction. • AIR & 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 • 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. • 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&P Facility. • WASTE - No stimulation or flowback pits will be constructed.
Wildlife	<p>The following best management practices are contained within the approved wildlife mitigation plan developed by the operator and CPW, and apply to this location:</p> <ol style="list-style-type: none"> 1. Closed loop (pitless) drilling systems. 2. Annual raptor and other bird surveys will be conducted in accordance with protocols provided by CPW. 3. Rig shift changes will take place when practical at 6am and 6pm and will utilize one (1) vehicle to minimize impacts to wildlife. 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. 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. 6. Buried water and gas pipelines will be utilized as means to reduce truck traffic and impacts to wildlife. 7. Restrict rig operation to no more than 2 rigs per section (or equivalent acreage) within the big-game seclusion areas during the winter. 8. Maintaining a ¼ mile no surface occupancy buffer around active bald eagle nests. 9. New pad construction not to exceed 3 acres of working surface (after interim reclamation). 10. Pad density not to exceed 1 pad per 160 acres. 11. Bury all gas and water pipelines adjacent to roads whenever possible. 12. A weed management plan will be developed and implemented to monitor and control noxious and invasive weeds. 13. Noxious weed control includes three treatments per year. 14. Existing weed infestations will be mapped prior to the development of each pad, access road and pipeline when practicable. 15. Antero (now Ursa) has completed all habitat restoration contributions contained within the WMP.

S/AR: SATISFACTORY

Comment:

CA:

Date:

Comment:

Staking:

On Site Inspection (305):

Surface Owner Contact Information:

Name:

Address:

Inspector Name: Murray, Richard

Phone Number: _____	Cell Phone: _____	
<u>Operator Rep. Contact Information:</u>		
Landman Name: _____	Phone Number: _____	
Date Onsite Request Received: _____	Date of Rule 306 Consultation: _____	
Request LGD Attendance: _____		
<u>LGD Contact Information:</u>		
Name: _____	Phone Number: _____	Agreed to Attend: _____
<u>Summary of Landowner Issues:</u>		
<u>Summary of Operator Response to Landowner Issues:</u>		
<u>Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:</u>		

Facility				
Facility ID: 437721	Type: WELL	API Number: 045-22441	Status: XX	Insp. Status: ND
Facility ID: 437722	Type: WELL	API Number: 045-22442	Status: XX	Insp. Status: ND
Facility ID: 443378	Type: WELL	API Number: 045-22978	Status: XX	Insp. Status: ND
Facility ID: 443379	Type: WELL	API Number: 045-22979	Status: XX	Insp. Status: ND
Facility ID: 443380	Type: WELL	API Number: 045-22980	Status: XX	Insp. Status: ND
Facility ID: 443381	Type: WELL	API Number: 045-22981	Status: XX	Insp. Status: ND
Facility ID: 443382	Type: WELL	API Number: 045-22982	Status: XX	Insp. Status: ND
Facility ID: 443384	Type: WELL	API Number: 045-22983	Status: XX	Insp. Status: ND
Facility ID: 443385	Type: WELL	API Number: 045-22984	Status: XX	Insp. Status: ND
Facility ID: 443386	Type: WELL	API Number: 045-22985	Status: XX	Insp. Status: ND
Facility ID: 443387	Type: WELL	API Number: 045-22986	Status: XX	Insp. Status: ND
Facility ID: 443388	Type: WELL	API Number: 045-22987	Status: XX	Insp. Status: ND
Facility ID: 443389	Type: WELL	API Number: 045-22988	Status: XX	Insp. Status: ND
Facility ID: 443390	Type: WELL	API Number: 045-22989	Status: XX	Insp. Status: ND
Facility ID: 443391	Type: WELL	API Number: 045-22990	Status: XX	Insp. Status: ND
Facility ID: 443392	Type: WELL	API Number: 045-22991	Status: XX	Insp. Status: ND

Facility ID: <u>443393</u>	Type: <u>WELL</u>	API Number: <u>045-22992</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443394</u>	Type: <u>WELL</u>	API Number: <u>045-22993</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443395</u>	Type: <u>WELL</u>	API Number: <u>045-22994</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443396</u>	Type: <u>WELL</u>	API Number: <u>045-22995</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443397</u>	Type: <u>WELL</u>	API Number: <u>045-22996</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443398</u>	Type: <u>WELL</u>	API Number: <u>045-22997</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443399</u>	Type: <u>WELL</u>	API Number: <u>045-22998</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443400</u>	Type: <u>WELL</u>	API Number: <u>045-22999</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443401</u>	Type: <u>WELL</u>	API Number: <u>045-23000</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443402</u>	Type: <u>WELL</u>	API Number: <u>045-23001</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443403</u>	Type: <u>WELL</u>	API Number: <u>045-23002</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443404</u>	Type: <u>WELL</u>	API Number: <u>045-23003</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443405</u>	Type: <u>WELL</u>	API Number: <u>045-23004</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443406</u>	Type: <u>WELL</u>	API Number: <u>045-23005</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443430</u>	Type: <u>WELL</u>	API Number: <u>045-23006</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443431</u>	Type: <u>WELL</u>	API Number: <u>045-23007</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443432</u>	Type: <u>WELL</u>	API Number: <u>045-23008</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443433</u>	Type: <u>WELL</u>	API Number: <u>045-23009</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443434</u>	Type: <u>WELL</u>	API Number: <u>045-23010</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443435</u>	Type: <u>WELL</u>	API Number: <u>045-23011</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443436</u>	Type: <u>WELL</u>	API Number: <u>045-23012</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443437</u>	Type: <u>WELL</u>	API Number: <u>045-23013</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>443438</u>	Type: <u>WELL</u>	API Number: <u>045-23014</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>

Inspector Name: Murray, Richard

Facility ID: 443439 Type: WELL API Number: 045-23015 Status: XX Insp. Status: ND

Facility ID: 443440 Type: WELL API Number: 045-23016 Status: XX Insp. Status: ND

Facility ID: 443441 Type: WELL API Number: 045-23017 Status: XX Insp. Status: ND

Facility ID: 443442 Type: WELL API Number: 045-23018 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: IRRIGATED

Comment: _____

1003a. Waste and Debris removed? _____

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 marked? _____

Inspector Name: Murray, Richard

CM _____

CA _____

CA Date _____

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

1003c. Compacted areas have been cross ripped? _____

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? _____

Comment: _____

Overall Interim Reclamation

Final Reclamation/ Abandoned Location:

Date Final Reclamation Started: _____

Date Final Reclamation Completed: _____

Final Land Use: IRRIGATED

Reminder: _____

Comment: _____

Well plugged _____

Pit mouse/rat holes, cellars backfilled _____

Debris removed _____

No disturbance /Location never built Pass

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
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S/A/V: _____ Corrective Date: _____

Comment: _____

CA: _____

Pits: ☐ NO SURFACE INDICATION OF PIT

