

**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:

06/09/2016

Document Number:

666802239

Overall Inspection:

SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	296974	336028	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: NESW Sec: 8 Twp: 6S Range: 92W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
08/11/2015	666801280	PR	PR	SATISFACTORY			No
02/05/2014	670201221	PR	PR	SATISFACTORY			No
12/10/2010	200287113	PR	PR	SATISFACTORY			No

**Inspector Comment:**

Inspection is for wells with status of Abandoned Location, Inspection does not address AL with conductor pipe set

**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
287951	WELL	AL	05/20/2014	LO	045-13105	River Ranch C1	AL	<input checked="" type="checkbox"/>
288420	WELL	AL	05/20/2014	LO	045-13286	River Ranch C3	AL	<input checked="" type="checkbox"/>
288421	WELL	AL	05/20/2014	LO	045-13285	River Ranch C4	AL	<input checked="" type="checkbox"/>
288422	WELL	AL	05/20/2014	LO	045-13284	River Ranch C5	AL	<input checked="" type="checkbox"/>
288423	WELL	AL	01/02/2014	LO	045-13283	River Ranch C-1H	AL	<input checked="" type="checkbox"/>
296974	WELL	PR	10/26/2008	GW	045-16241	RIVER RANCH C9	PR	<input type="checkbox"/>

**Equipment:****Location Inventory**

Inspector Name: Murray, Richard

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>6</u>	Production Pits: _____
Condensate Tanks: <u>2</u>	Water Tanks: <u>4</u>	Separators: <u>4</u>	Electric Motors: _____
Gas or Diesel Mortors: _____	Cavity Pumps: _____	LACT Unit: <u>1</u>	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: <u>1</u>	Oil Pipeline: <u>1</u>	Water Pipeline: <u>1</u>
Gas Compressors: _____	VOC Combustor: <u>1</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: 296974

Lease Road Adeq.: \_\_\_\_\_

Pads: \_\_\_\_\_

Soil Stockpile: \_\_\_\_\_

**S/AR:** \_\_\_\_\_

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

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

CDP Num.: \_\_\_\_\_

**Form 2A COAs:**

Group	User	Comment	Date
OGLA	kubeczkod	<p><b>SITE SPECIFIC COAs:</b></p> <p>Operator must ensure 110 percent 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, and maintained in good condition.</p> <p>Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines or buried permanent pipelines.</p> <p>If the well is to be hydraulically stimulated, 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 pit located on the well pad or into tanker trucks for offsite disposal. The flowback and stimulation fluid tanks, separators, or other containment/filtering equipment must be placed on the well pad in an area with additional downgradient perimeter berming. The area where flowback fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material.</p> <p>The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, if drill cuttings are to remain/disposed of onsite, they must also meet the applicable standards of table 910-1.</p>	04/22/2012

**S/AR:** \_\_\_\_\_ **Comment:** \_\_\_\_\_**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_**Wildlife BMPs:**

BMP Type	Comment
Planning	<p><b>PLANNING INFRASTRUCTURE AND DEVELOPMENT ACTIVITIES:</b></p> <ul style="list-style-type: none"> <li>• Directional drilling will be implemented to minimize habitat loss and habitat fragmentation</li> <li>• Remote monitoring using SCADA systems to reduce truck traffic, fugitive dust</li> <li>• Water pipeline infrastructure will be installed concurrently with the gas pipeline infrastructure where possible.</li> <li>• SPCC inspections will be conducted quarterly</li> <li>• Water used for well completions will be recycled as practicable</li> <li>• Baseline and post drilling/completion water well testing will be performed for permitted water wells within ½ mile of down-hole location</li> <li>• Annual planning meeting to be conducted with Rifle-Silt-New Castle Community</li> </ul>

General Housekeeping	<b>INVASIVE NON-NATIVE VEGETATION CONTROL:</b> <ul style="list-style-type: none"> <li>• Weed management plan will be developed and implemented to monitor and control noxious and invasive weeds</li> <li>• Noxious weed control includes three treatments per year</li> <li>• Existing weed infestations will be mapped prior to the development of each pad, access road and pipeline when practicable</li> <li>• Reclamation/revegetation will be used as a weed management tool</li> </ul>
Site Specific	<b>PUBLIC WATER SYSTEM PROTECTION SECTION 317B:</b> <ul style="list-style-type: none"> <li>• Best management practices will be implemented to contain any unintentional releases of fluids for locations within 500 feet of surface water</li> <li>• Locations within 500 feet of surface water will ensure 110 percent secondary containment for any volume of fluids contained at a well site during drilling and completion operations</li> </ul>
Storm Water/Erosion Control	<b>STORWATER MANAGEMENT:</b> <ul style="list-style-type: none"> <li>• Facilities will be operated with a Water Quality Control Division (WQCD) stormwater construction permit.</li> <li>• Stormwater BMPs in accordance with the Stormwater Management Plan will be implemented in a manner that minimizes erosion, transport of sediment offsite, and site degradation.</li> <li>• Inspections will be conducted every two weeks or monthly and in accordance with WQCD General Permit to confirm that applicable BMPs are in place, maintained and functioning properly.</li> </ul>
Drilling/Completion Operations	<b>DRILLING AND PRODUCTION:</b> <ul style="list-style-type: none"> <li>• No reserve, drill cuttings or frac/flowback pits will be constructed</li> <li>• Well pads will be constructed with perimeter berm on downslope area</li> <li>• Well pads, access roads will be graveled to reduce fugitive dust, sediment run-off</li> <li>• Above-ground facilities will be located to minimize visual effects (e.g. production tanks will be low profile tanks and painted to mitigate visual impacts.)</li> <li>• Combustor controls will be used to mitigate odors from production tanks</li> <li>• 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>• High level alarms will be installed on production tanks</li> <li>• Production tank containment area will be lined with plastic</li> </ul>
Wildlife	<b>MITIGATION PLAN BEST MANAGEMENT PRACTICES:</b> <ul style="list-style-type: none"> <li>• Closed loop (pitless) drilling system.</li> <li>• Participation in raptor and other birds (great blue heron) monitoring and surveying with protocol to be developed by CDOW and implemented by Antero when practicable.</li> <li>• Buried water and gas pipelines as means to reduce truck traffic.</li> <li>• Seasonal raptor RSOs for species not included in new COGCC rules will be considered where practicable.</li> <li>• Avoidance/seclusion area in the northeast corner of the CDP (Burning Mountain) unless lease expiration warrants development.</li> <li>• Restricted rig operation to less than 2 per section within the big game seclusion areas during the winter (to be determined in consultation with CDOW).</li> <li>• Maintaining a ¼ mile no surface occupancy buffer around active bald eagle nests.</li> <li>• New pad construction not to exceed 3 acres.</li> <li>• Pad density not to exceed 1 pad per 120 acres.</li> <li>• Bury all gas and water pipelines adjacent to roads whenever possible.</li> <li>• The mitigation opportunities/projects will be defined by the Mitigation Plan for each well pad.</li> <li>• The mitigation opportunities/projects will be determined cooperatively with the CDOW during the annual Antero Mitigation Plan Review.</li> <li>• CDOW Actions to Minimize Adverse Impacts to Wildlife Resources is attached to the March 22, 2010 Mitigation Plan</li> </ul>

S/AR: \_\_\_\_\_ Comment: \_\_\_\_\_

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

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

Staking: \_\_\_\_\_

Inspector Name: Murray, Richard

**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: 287951 Type: WELL API Number: 045-13105 Status: AL Insp. Status: AL

**Idle Well**

Purpose: ☐ Shut In ☐ Temporarily Abandoned Reminder: \_\_\_\_\_  
S/A/V: \_\_\_\_\_ CA Date: \_\_\_\_\_  
CA: \_\_\_\_\_  
Comment: Conductor pipe set

Facility ID: 288420 Type: WELL API Number: 045-13286 Status: AL Insp. Status: AL

**Idle Well**

Purpose: ☐ Shut In ☐ Temporarily Abandoned Reminder: \_\_\_\_\_  
S/A/V: \_\_\_\_\_ CA Date: \_\_\_\_\_  
CA: \_\_\_\_\_  
Comment: Wellhead sign

Facility ID: 288421 Type: WELL API Number: 045-13285 Status: AL Insp. Status: AL

**Idle Well**

Purpose: ☐ Shut In ☐ Temporarily Abandoned Reminder: \_\_\_\_\_  
S/A/V: \_\_\_\_\_ CA Date: \_\_\_\_\_  
CA: \_\_\_\_\_  
Comment: No visual sign of well

Facility ID: 288422 Type: WELL API Number: 045-13284 Status: AL Insp. Status: AL

Inspector Name: Murray, Richard

**Idle Well**

Purpose: ☐ Shut In ☐ Temporarily Abandoned Reminder: \_\_\_\_\_  
S/A/V: \_\_\_\_\_ CA Date: \_\_\_\_\_  
CA: \_\_\_\_\_  
Comment: Wellhead sign

Facility ID: 288423 Type: WELL API Number: 045-13283 Status: AL Insp. Status: AL

**Idle Well**

Purpose: ☐ Shut In ☐ Temporarily Abandoned Reminder: \_\_\_\_\_  
S/A/V: \_\_\_\_\_ CA Date: \_\_\_\_\_  
CA: \_\_\_\_\_  
Comment: No visual sign of well

**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:**

Lat \_\_\_\_\_ Long \_\_\_\_\_  
DWR Receipt Num: \_\_\_\_\_ Owner Name: \_\_\_\_\_ GPS : \_\_\_\_\_

**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: RANGELAND

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? \_\_\_\_\_

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: 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

Inspector Name: Murray, Richard

S/A/V: \_\_\_\_\_ Corrective Date: \_\_\_\_\_

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

CA: \_\_\_\_\_

**Pits:** ☐ NO SURFACE INDICATION OF PIT