Inspector Name: BURGER, CRAIG

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

FIELD INSPECTION FORM

DE	ET	OE	ES

Inspection Date: 08/13/2013

Document Number: 670200769

Overall Inspection: Satisfactory

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	289263	335540	BURGER, CRAIG	☐	

Operator Information:

OGCC Operator Number: 10447 Name of Operator: URSA OPERATING COMPANY LLC

Address: 602 SAWYER STREET #710

City: HOUSTON State: TX Zip: 77007

Contact Information:

Contact Name	Phone	Email	Comment
Kellerby, Shaun		Shaun.Kellerby@state.co.us	NW Field Supervisor
Grieger, Luke		lgrieger@ursaresources.com	
Smith, Cody		csmith@ursaresources.com	
Bleil, Robert		rbleil@ursaresources.com	Regulatory & Environmental Manager

Compliance Summary:

QtrQtr: NWSE Sec: 16 Twp: 6S Range: 92W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Unsatisfactory	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
05/31/2013	670200523			S			N
07/03/2007	200114118	CO	ND	S	I	P	N
06/07/2007	200113017	CO	WO	S	I	P	N

Inspector Comment:

MIT tests performed on surface casings where drilling was suspended.

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	
289262	WELL	PR	06/26/2007	GW	045-13707	BURCKLE A1	
289263	WELL	PR	07/07/2011	GW	045-13706	Burckle Federal A2	
289264	WELL	PR	11/09/2009	GW	045-13705	BURCKLE A3	
289265	WELL	XX	02/11/2011	LO	045-13704	Burckle A4	
289997	WELL	PR	07/08/2010	GW	045-13960	BURCKLE A7	
289998	WELL	DG	12/13/2012	GW	045-13959	Burckle A8	X
291710	WELL	PR	08/03/2007	GW	045-14516	BURCKLE A11	
291712	WELL	PR	08/03/2007	GW	045-14515	BURCKLE A9	
297862	WELL	DG	12/20/2012	LO	045-16989	Burckle A5	X
297863	WELL	DG	12/20/2012	GW	045-16990	Burckle A6	X
298250	WELL	PR	07/02/2011	LO	045-17096	BURCKLE FED CA A10	
298251	WELL	PR	08/15/2011	GW	045-17097	BURCKLE FED CA A12	
422091	WELL	PR	07/08/2011	GW	045-20490	Burckle Federal A14	
422095	WELL	PR	08/15/2011	GW	045-20491	Burckle Federal A13	

Inspector Name: BURGER, CRAIG

Equipment: Location Inventory

Special Purpose Pits:		Drilling Pits:		Wells:	14	Production Pits:	
Condensate Tanks:	4	Water Tanks:	4	Separators:	4	Electric Motors:	
Gas or Diesel Mortors:		Cavity Pumps:		LACT Unit:		Pump Jacks:	
Electric Generators:		Gas Pipeline:	1	Oil Pipeline:	1	Water Pipeline:	1
Gas Compressors:		VOC Combustor:	1	Oil Tanks:		Dehydrator Units:	
Multi-Well Pits:		Pigging Station:	1	Flare:		Fuel Tanks:	

Location

Emergency Contact Number: (S/U/V) _____ Corrective Date: _____

Comment:

Corrective Action:

Good Housekeeping:

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
WEEDS	Unsatisfactory	Weeds on location.	Manage weeds.	09/03/2013

Spills:

Type	Area	Volume	Corrective action	CA Date

☐ Multilple Spills and Releases?

Venting:

Yes/No	Comment

Flaring:

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date

Predrill

Location ID: 335540

Site Preparation:

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

Corrective Action: _____ Date: _____ CDP Num.: _____

Form 2A COAs:

Inspector Name: BURGER, CRAIG

Group	User	Comment	Date
OGLA	kubeczkod	GENERAL SITE COAs: Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines. 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. The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, the drill cuttings must also meet the applicable standards of table 910-1. Flowback and stimulation fluids must be sent to tanks to allow the sand to settle out before the fluids can be placed into any pipeline or pit located on the well pad. The flowback and stimulation fluid tanks 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 (per Rule 604.a.(4)). Berms or other containment devices shall be constructed in compliance with Rule 604.a.(4) around crude oil, condensate, and produced water storage tanks.	03/07/2011

Comment:

CA: **Date:**

Wildlife BMPs:

BMP Type	Comment
Planning	•Directional drilling will be implemented to minimize habitat loss and habitat fragmentation •Remote monitoring using SCADA systems to reduce truck traffic, fugitive dust •Water pipeline infrastructure will be installed concurrently with the gas pipeline infrastructure where possible. •SPCC inspections will be conducted quarterly •Water used for well completions will be recycled as practicable •Baseline and post drilling/completion water well testing will be performed for permitted water wells within ½ mile of down-hole location •Annual planning meeting to be conducted with Rifle-Silt-New Castle Community
General Housekeeping	Invasive Non-Native Vegetation Control •Weed management plan will be developed and implemented to monitor and control noxious and invasive weeds •Noxious weed control includes three treatments per year •Existing weed infestations will be mapped prior to the development of each pad, access road and pipeline when practicable •Reclamation/revegetation will be used as a weed management tool
Storm Water/Erosion Control	•Facilities will be operated with a Water Quality Control Division (WQCD) stormwater construction permit. •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. •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.

Material Handling and Spill Prevention	•Best management practices will be implemented to contain any unintentional releases of fluids for locations within 500 feet of surface water •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
Drilling/Completion Operations	•No reserve, drill cuttings or frac/flowback pits will be constructed •Well pads will be constructed with perimeter berm on downslope area •Well pads, access roads will be graveled to reduce fugitive dust, sediment run-off •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.) •Combustor controls will be used to mitigate odors from production tanks •Well completions will utilize flowback completion technologies and/or flares to reduce odors from plug drillout, and venting of salable and non-salable gas •High level alarms will be installed on production tanks •Production tank containment area will be lined with plastic
Wildlife	•Mitigation Plan signed by Ron Velarde, CDOW NW Regional Manager and Kevin Kilstrom, Antero Resources VP Production, on March 24, 2010. •Closed loop (pitless) drilling system. •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. •Buried water and gas pipelines as means to reduce truck traffic. •Seasonal raptor RSOs for species not included in new COGCC rules will be considered where practicable. •Avoidance/seclusion area in the northeast corner of the CDP (Burning Mountain) unless lease expiration warrants development. •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). •Maintaining a ¼ mile no surface occupancy buffer around active bald eagle nests. •New pad construction not to exceed 3 acres. •Pad density not to exceed 1 pad per 120 acres. •Bury all gas and water pipelines adjacent to roads whenever possible. •The mitigation opportunities/projects will be defined by the Mitigation Plan for each well pad. •The mitigation opportunities/projects will be determined cooperatively with the CDOW during the annual Antero Mitigation Plan Review. •CDOW Actions to Minimize Adverse Impacts to Wildlife Resources is attached to the March 22, 2010 Mitigation Plan

Comment:

CA: **Date:**

Stormwater:

Erosion BMPs	Present	Other BMPs	Present
			`

Corrective Action: Date:

Comments: Erosion BMPs:

Other BMPs:

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:

Inspector Name: BURGER, CRAIG

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: 289998 Type: WELL API Number: 045-13959 Status: DG Insp. Status: DG

Well Drilling

Rig: Rig Name: Pusher/Rig Manager:

Permit Posted: Access Sign:

Well Control Equipment:

Pipe Ram: Blind Ram: Hydril Type:

Pressure Test BOP: Test Pressure PSI: Safety Plan:

Drill Fluids Management:

Lined Pit: Unlined Pit: Closed Loop: Semi-Closed Loop:

Multi-Well: Disposal Location:

Comment:

Drilling suspended after cementing of surface casing.
MIT performed on surface casing.
0 min: 306 psi, 5 min: 304 psi, 10 min: 304 psi, 15 min: 304 psi.
COGCC document #200384859.

Facility ID: 297862 Type: WELL API Number: 045-16989 Status: DG Insp. Status: DG

Well Drilling

Rig: Rig Name: Pusher/Rig Manager:

Permit Posted: Access Sign:

Well Control Equipment:

Pipe Ram: Blind Ram: Hydril Type:

Pressure Test BOP: Test Pressure PSI: Safety Plan:

Drill Fluids Management:

Lined Pit: Unlined Pit: Closed Loop: Semi-Closed Loop:

Multi-Well: Disposal Location:

Comment:

Drilling suspended after cementing of surface casing.
MIT performed on surface casing.
0 min: 305 psi, 5 min: 303 psi, 10 min: 303 psi, 15 min: 302 psi.
COGCC document #200384861.

Facility ID: 297863 Type: WELL API Number: 045-16990 Status: DG Insp. Status: DG

Inspector Name: BURGER, CRAIG

Well Drilling

Rig: Rig Name: _____ Pusher/Rig Manager: _____

Permit Posted: _____ Access Sign: _____

Well Control Equipment:

Pipe Ram: _____ Blind Ram: _____ Hydril Type: _____

Pressure Test BOP: _____ Test Pressure PSI: _____ Safety Plan: _____

Drill Fluids Management:

Lined Pit: _____ Unlined Pit: _____ Closed Loop: _____ Semi-Closed Loop: _____

Multi-Well: _____ Disposal Location: _____

Comment:

Drilling suspended after cementing of surface casing.
MIT performed on surface casing.
0 min: 305 psi, 5 min: 302 psi, 10 min: 301 psi, 15 min: 301 psi.
COGCC document #200384860.

Workover

Comment:

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. 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? _____ 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 _____ Multi-Well Location ☐

Inspector Name: BURGER, CRAIG

Storm Water:						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
		Silt Fences	Pass			
Blankets	Pass	Ditches	Pass			
Compaction	Pass	Rip Rap	Pass			
		Gravel	Pass			
Gravel	Pass	Waddles	Pass			
Slope Roughening	Pass	Culverts	Pass			

S/U/V: Satisfactory Corrective Date:

Comment:

CA: