

**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



DE	ET	OE	ES
----	----	----	----

Inspection Date:

01/03/2013

Document Number:

663800649

Overall Inspection:

Satisfactory**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Tracking Type	Inspector Name:
	<u>289997</u>	<u>335540</u>		<u>LONGWORTH, MIKE</u>

Operator Information:OGCC Operator Number: 10079 Name of Operator: ANTERO RESOURCES PICEANCE CORPORATIONAddress: 1625 17TH ST STE 300City: DENVERState: COZip: 80202**Contact Information:****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)
12/23/2010	200290065	BH	PR	S			N
12/11/2010	200290411	PR	PR	U			N
01/04/2010	200229609	PR	PR	U			Y
07/03/2008	200192022	PR	PR	S			N
07/03/2007	200114116	CO	PR	S	I	P	N
06/07/2007	200113014	CO	WO	S	I	P	N
06/07/2007	200113012	CO	WO	S	I	P	N

Inspector Comment:

4 conductors set on location A4, A5,A6, A8

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	<input checked="" type="checkbox"/>
289263	WELL	PR	07/07/2011	GW	045-13706	Burckle Federal A2	<input checked="" type="checkbox"/>
289264	WELL	PR	11/09/2009	GW	045-13705	BURCKLE A3	<input checked="" type="checkbox"/>
289265	WELL	XX	02/11/2011	LO	045-13704	Burckle A4	<input checked="" type="checkbox"/>
289997	WELL	PR	07/08/2010	GW	045-13960	BURCKLE A7	<input checked="" type="checkbox"/>
289998	WELL	WO	12/13/2012	LO	045-13959	Burckle A8	<input checked="" type="checkbox"/>
291710	WELL	PR	08/03/2007	GW	045-14516	BURCKLE A11	<input checked="" type="checkbox"/>
291712	WELL	PR	08/03/2007	GW	045-14515	BURCKLE A9	<input checked="" type="checkbox"/>
297862	WELL	WO	12/20/2012	LO	045-16989	Burckle A5	<input checked="" type="checkbox"/>
297863	WELL	WO	12/20/2012	LO	045-16990	Burckle A6	<input checked="" type="checkbox"/>
298250	WELL	PR	07/02/2011	LO	045-17096	BURCKLE FED CA A10	<input checked="" type="checkbox"/>
298251	WELL	PR	08/15/2011	GW	045-17097	BURCKLE FED CA A12	<input checked="" type="checkbox"/>
422091	WELL	PR	07/08/2011	GW	045-20490	Burckle Federal A14	<input checked="" type="checkbox"/>
422095	WELL	PR	08/15/2011	GW	045-20491	Burckle Federal A13	<input checked="" type="checkbox"/>

Equipment:Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>14</u>	Production Pits: _____
Condensate Tanks: <u>4</u>	Water Tanks: <u>4</u>	Separators: <u>4</u>	Electric Motors: _____
Gas or Diesel Motors: _____	Cavity Pumps: _____	LACT Unit: _____	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/Unsatisfactory	comment	Corrective Action	Date
Access	Satisfactory			

Signs/Marker:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
BATTERY	Satisfactory			
WELLHEAD	Satisfactory			
TANK LABELS/PLACARDS	Satisfactory			

Emergency Contact Number: <u>(S/U/V)</u> _____	Corrective Date: _____
Comment: _____	
Corrective Action: _____	

Good Housekeeping:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
TRASH	Satisfactory			

Spills:				
Type	Area	Volume	Corrective action	CA Date
<input type="checkbox"/> Multiple Spills and Releases?				

Fencing/:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
WELLHEAD	Satisfactory	GREEN CORAL PANNELS		

Equipment:					
Type	#	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Deadman # & Marked	2				
Plunger Lift	10	Satisfactory			
Horizontal Heated Separator	14	Satisfactory			
Bird Protectors	8	Satisfactory			

Facilities:		<input type="checkbox"/> New Tank		Tank ID: _____	
Contents	#	Capacity	Type	SE GPS	
PRODUCED WATER	2	300 BBLS	STEEL AST	,	
S/U/V:	Satisfactory		Comment: _____		
Corrective Action:				Corrective Date: _____	
<u>Paint</u>					
Condition	Adequate				
Other (Content) _____					
Other (Capacity) _____					
Other (Type) _____					
<u>Berms</u>					
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Corrective Action				Corrective Date	
Comment					
Facilities:		<input type="checkbox"/> New Tank		Tank ID: _____	
Contents	#	Capacity	Type	SE GPS	
CONDENSATE	2	300 BBLS	STEEL AST	39.525150,107.669620	
S/U/V:	Satisfactory		Comment: _____		
Corrective Action:				Corrective Date: _____	
<u>Paint</u>					
Condition	Adequate				
Other (Content) _____					
Other (Capacity) _____					
Other (Type) _____					
<u>Berms</u>					
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Metal	Adequate	Walls Sufficent	Base Sufficient	Adequate	
Corrective Action				Corrective Date	
Comment					

Inspector Name: LONGWORTH, MIKE

Facilities:		<input type="checkbox"/> New Tank		Tank ID: _____	
Contents	#	Capacity	Type	SE GPS	
CONDENSATE	2	300 BBLS	STEEL AST	39.525340,107.669670	
S/U/V:	Satisfactory		Comment: _____		
Corrective Action: _____				Corrective Date: _____	
<u>Paint</u>					
Condition	Adequate				
Other (Content) _____					
Other (Capacity) _____					
Other (Type) _____					
<u>Berms</u>					
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate	
Corrective Action				Corrective Date	
Comment					
Facilities:		<input type="checkbox"/> New Tank		Tank ID: _____	
Contents	#	Capacity	Type	SE GPS	
PRODUCED WATER	4	300 BBLS	STEEL AST	,	
S/U/V:	Satisfactory		Comment: _____		
Corrective Action: _____				Corrective Date: _____	
<u>Paint</u>					
Condition	Adequate				
Other (Content) _____					
Other (Capacity) _____					
Other (Type) _____					
<u>Berms</u>					
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate	
Corrective Action				Corrective Date	
Comment					
Venting:					
Yes/No	Comment				
Flaring:					
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date	
Ignitor/Combustor	Satisfactory				
<u>Predrill</u>					
Location ID: 335540					
Site Preparation:					
Lease Road Adeq.: _____		Pads: _____		Soil Stockpile: _____	
Corrective Action: _____		Date: _____		CDP Num.: _____	

Form 2A COAs:

Group	User	Comment	Date
OGLA	kubeczkod	<p>GENERAL SITE COAs:</p> <p>Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines.</p> <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 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.</p> <p>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)).</p> <p>Berms or other containment devices shall be constructed in compliance with Rule 604.a.(4) around crude oil, condensate, and produced water storage tanks.</p>	03/07/2011

Comment:**CA:****Date:****Wildlife BMPs:**

BMP Type	Comment
Planning	<ul style="list-style-type: none"> •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	<p>Invasive Non-Native Vegetation Control</p> <ul style="list-style-type: none"> •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	<ul style="list-style-type: none"> •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	<ul style="list-style-type: none"> •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	<ul style="list-style-type: none"> •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	<ul style="list-style-type: none"> •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: LONGWORTH, MIKE

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: 289262 Type: WELL API Number: 045-13707 Status: PR Insp. Status: PR

Producing Well

Comment: _____

Facility ID: 289263 Type: WELL API Number: 045-13706 Status: PR Insp. Status: PR

Producing Well

Comment: _____

Facility ID: 289264 Type: WELL API Number: 045-13705 Status: PR Insp. Status: PR

Producing Well

Comment: _____

Facility ID: 289265 Type: WELL API Number: 045-13704 Status: XX Insp. Status: ND

Facility ID: 289997 Type: WELL API Number: 045-13960 Status: PR Insp. Status: PR

Producing Well

Comment: _____

Facility ID: 289998 Type: WELL API Number: 045-13959 Status: WO Insp. Status: ND

Facility ID: 291710 Type: WELL API Number: 045-14516 Status: PR Insp. Status: PR

Producing Well

Comment: _____

Facility ID: 291712 Type: WELL API Number: 045-14515 Status: PR Insp. Status: PR

Producing Well

Comment: _____

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

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

Facility ID: 298250 Type: WELL API Number: 045-17096 Status: PR Insp. Status: PR

Producing Well

Comment: _____

Inspector Name: LONGWORTH, MIKE

Facility ID: 298251 Type: WELL API Number: 045-17097 Status: PR Insp. Status: PR

Producing Well

Comment:

Facility ID: 422091 Type: WELL API Number: 045-20490 Status: PR Insp. Status: PR

Producing Well

Comment:

Facility ID: 422095 Type: WELL API Number: 045-20491 Status: PR Insp. Status: PR

Producing Well

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:

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: RANGELAND

Comment:

1003a. Debris removed? Pass CM

CA CA Date

Waste Material Onsite? Pass CM

CA CA Date

Unused or unneeded equipment onsite? Pass CM

CA CA Date

Pit, cellars, rat holes and other bores closed? Pass CM

CA CA Date

Inspector Name: LONGWORTH, MIKE

Guy line anchors removed? _____ CM _____
CA _____ CA Date _____
Guy line anchors marked? Pass CM _____
CA _____ CA Date _____

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

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? P

Comment: _____

Overall Interim Reclamation In Process

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 ☐

<u>Storm Water:</u>						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Gravel	Pass	Ditches	Pass			
Berms	Pass	Berms	Pass			
		Silt Fences	Pass			

Inspector Name: LONGWORTH, MIKE

Compaction	Pass	Compaction	Pass			
Blankets	Pass	Gravel	Pass			
Ditches	Pass	Culverts	Pass			
Waddles	Pass	Waddles	Pass			

S/U/V: Satisfactory Corrective Date: _____

Comment: _____

CA: _____

COGCC Comments

Comment	User	Date
4 conductors set on location A4, A5, A6, A8	longworm	01/03/2013