

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:
08/30/2012

Document Number:
668100130

Overall Inspection:
Satisfactory

FIELD INSPECTION FORM

Location Identifier	Facility ID	Loc ID	Tracking Type	Inspector Name: <u>KELLERBY, SHAUN</u>
	<u>335538</u>	<u>335538</u>		

Operator Information:

OGCC Operator Number: 10079 Name of Operator: ANTERO RESOURCES PICEANCE CORPORATION
 Address: 1625 17TH ST STE 300
 City: DENVER State: CO Zip: 80202

Contact Information:

Contact Name	Phone	Email	Comment
Black, Jon	970 625 9922/(435) 237-1169	jblack@anteroresources.com	Operations Manager: Piceance Basin

Compliance Summary:

QtrQtr: NWSW Sec: 14 Twp: 6S Range: 92W

Inspector Comment:

Cogcc form 18 Document #200361831.

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	
291065	WELL	PR	03/25/2010	GW	045-14284	VALLEY FARMS F2	<input checked="" type="checkbox"/>
291066	WELL	PR	11/25/2009	GW	045-14285	VALLEY FARMS F3	<input checked="" type="checkbox"/>
291067	WELL	PR	05/28/2008	LO	045-14286	VALLEY FARMS F5	<input checked="" type="checkbox"/>
291070	WELL	IJ	04/04/2012	DSPW	045-14287	VALLEY FARMS F4	<input checked="" type="checkbox"/>
291071	WELL	XX	05/28/2008	LO	045-14288	Valley Farms F6	<input checked="" type="checkbox"/>
291072	WELL	PR	12/07/2009	OW	045-14289	VALLEY FARMS F7	<input checked="" type="checkbox"/>
291073	WELL	PR	04/19/2010	GW	045-14290	VALLEY FARMS F1	<input checked="" type="checkbox"/>
296414	WELL	PR	12/06/2009	GW	045-16011	VALLEY FARMS F8	<input checked="" type="checkbox"/>
296415	WELL	PR	10/02/2008	OW	045-16012	VALLEY FARMS FEDERAL F14	<input checked="" type="checkbox"/>
297266	WELL	XX	07/18/2008	LO	045-16368	Valley Farms F22	<input checked="" type="checkbox"/>
297267	WELL	XX	07/18/2008	LO	045-16369	Valley Farms Federal F12	<input checked="" type="checkbox"/>
301813	WELL	XX	02/26/2009	LO	045-18281	VALLEY FARMS F17	<input checked="" type="checkbox"/>
301814	WELL	XX	02/26/2009	LO	045-18282	VALLEY FARMS F16	<input checked="" type="checkbox"/>
301815	WELL	XX	02/26/2009	LO	045-18283	VALLEY FARMS F15	<input checked="" type="checkbox"/>
301816	WELL	XX	02/26/2009	LO	045-18284	VALLEY FARMS F18	<input checked="" type="checkbox"/>
301817	WELL	XX	02/26/2009	LO	045-18285	VALLEY FARMS F13	<input checked="" type="checkbox"/>
301818	WELL	DG	08/13/2012	LO	045-18286	Valley Farms F-1H	<input checked="" type="checkbox"/>
301819	WELL	XX	02/26/2009	LO	045-18287	VALLEY FARMS F21	<input checked="" type="checkbox"/>
301820	WELL	XX	02/26/2009	LO	045-18288	VALLEY FARMS F20	<input checked="" type="checkbox"/>
301821	WELL	XX	02/26/2009	LO	045-18289	VALLEY FARMS F19	<input checked="" type="checkbox"/>
301822	WELL	XX	02/26/2009	LO	045-18290	VALLEY FARMS F9	<input checked="" type="checkbox"/>

301823	WELL	XX	02/26/2009	LO	045-18291	VALLEY FARMS F10	<input checked="" type="checkbox"/>
301824	WELL	XX	02/26/2009	LO	045-18292	VALLEY FARMS F11	<input checked="" type="checkbox"/>

Equipment: Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>23</u>	Production Pits: _____
Condensate Tanks: <u>4</u>	Water Tanks: <u>6</u>	Separators: <u>6</u>	Electric Motors: _____
Gas or Diesel Mortors: _____	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
Main	Satisfactory			

Signs/Marker:

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

Emergency Contact Number: (S/U/V) Satisfactory

Corrective Date: _____

Comment: _____

Corrective Action: _____

Spills:

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

Fencing/:

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
WELLHEAD	Satisfactory			

Equipment:

Type	#	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Deadman # & Marked		Satisfactory			
Ancillary equipment	2	Satisfactory	Two electric pumps that are housed and used for water transfer to a UIC well.		
Ancillary equipment		Satisfactory	Water manifold		
Emission Control Device	1	Satisfactory			
Horizontal Heated Separator	8	Satisfactory			
Bird Protectors		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:	Two tank battery's	
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			Adequate
Corrective Action				Corrective Date
Comment				

Facilities:		<input type="checkbox"/> New Tank	Tank ID: _____	
Contents	#	Capacity	Type	SE GPS
CONDENSATE	2	300 BBLS	STEEL AST	,
S/U/V:	Satisfactory	Comment:	Two tank battery's	
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			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:

Paint

Condition	Adequate
Other (Content)	_____
Other (Capacity)	_____
Other (Type)	_____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Metal	Adequate			Adequate
Corrective Action				Corrective Date
Comment				

Facilities: <input type="checkbox"/> New Tank		Tank ID: _____		
Contents	#	Capacity	Type	SE GPS
CONDENSATE	4	300 BBLs	STEEL AST	,
S/U/V:	Satisfactory	Comment: Two tank Battery's		
Corrective Action:				Corrective Date:

Paint

Condition	Adequate
Other (Content)	_____
Other (Capacity)	_____
Other (Type)	_____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Metal	Adequate			Adequate
Corrective Action				Corrective Date
Comment				

Venting:	
Yes/No	Comment
NO	

Flaring:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Ignitor/Combustor	Satisfactory	3 PSI on gauge. Pilot is lit.		

Predrill				
Location ID: 335538				
Site Preparation:				
Lease Road Adeq.: _____		Pads: _____		Soil Stockpile: _____
Corrective Action: _____			Date: _____	CDP Num.: _____

Form 2A COAs:

Group	User	Comment	Date
OGLA	kubeczkod	<p>SITE SPECIFIC COAs:</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>	05/15/2012

Comment: No activity at the time of inspection.

CA:

Date: _____

Wildlife BMPs:

BMP Type	Comment
Wildlife	<p>MITIGATION PLAN BEST MANAGEMENT PRACTICES:</p> <ul style="list-style-type: none"> • 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
Planning	<p>PLANNING INFRASTRUCTURE AND DEVELOPMENT ACTIVITIES:</p> <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
Site Specific	<p>PUBLIC WATER SYSTEM PROTECTION SECTION 317B:</p> <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	DRILLING AND PRODUCTION: <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
General Housekeeping	INVASIVE NON-NATIVE VEGETATION CONTROL: <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	STORWATER MANAGEMENT: <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.

Comment: _____

CA: _____ **Date:** _____

Stormwater:

Erosion BMPs	Present	Other BMPs	Present
BERMS	Yes		

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: _____

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: <u>291065</u>	Type: <u>WELL</u>	API Number: <u>045-14284</u>	Status: <u>PR</u>	Insp. Status: <u>PR</u>
Complaint				
Comment: <input style="width: 90%;" type="text" value="Complaint of flaring in Mineota Estates area. Cogcc form 18 Document #200361831."/>				
Facility ID: <u>291066</u>	Type: <u>WELL</u>	API Number: <u>045-14285</u>	Status: <u>PR</u>	Insp. Status: <u>PR</u>
Producing Well				
Comment: <input style="width: 90%;" type="text"/>				
Facility ID: <u>291067</u>	Type: <u>WELL</u>	API Number: <u>045-14286</u>	Status: <u>PR</u>	Insp. Status: <u>PR</u>
Producing Well				
Comment: <input style="width: 90%;" type="text"/>				
Facility ID: <u>291070</u>	Type: <u>WELL</u>	API Number: <u>045-14287</u>	Status: <u>IJ</u>	Insp. Status: <u>AC</u>
Underground Injection Control				
UIC Violation: _____ Maximum Injection Pressure: _____ <u>UIC Routine</u> Inj./Tube: Pressure or inches of Hg _____ Previous Test Pressure _____ MPP _____ (e.g. 30 psig or -30" Hg) _____ Inj Zone: <u>COZZ</u> TC: Pressure or inches of Hg _____ Previous Test Pressure _____ Last MIT: <u>02/05/2011</u> Brhd: Pressure or inches of Hg _____ Previous Test Pressure _____ AnnMTReq: _____ Comment: <input style="width: 90%;" type="text"/> Method of Injection: _____ Test Type: _____ Tbg psi: _____ Csg psi: _____ BH psi: _____ Insp. Status: _____ Comment: <input style="width: 90%;" type="text"/>				
Facility ID: <u>291071</u>	Type: <u>WELL</u>	API Number: <u>045-14288</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Complaint				
Comment: <input style="width: 90%;" type="text"/>				
Facility ID: <u>291072</u>	Type: <u>WELL</u>	API Number: <u>045-14289</u>	Status: <u>PR</u>	Insp. Status: <u>PR</u>
Facility ID: <u>291073</u>	Type: <u>WELL</u>	API Number: <u>045-14290</u>	Status: <u>PR</u>	Insp. Status: <u>PR</u>
Facility ID: <u>296414</u>	Type: <u>WELL</u>	API Number: <u>045-16011</u>	Status: <u>PR</u>	Insp. Status: <u>PR</u>
Facility ID: <u>296415</u>	Type: <u>WELL</u>	API Number: <u>045-16012</u>	Status: <u>PR</u>	Insp. Status: <u>PR</u>
Facility ID: <u>297266</u>	Type: <u>WELL</u>	API Number: <u>045-16368</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>297267</u>	Type: <u>WELL</u>	API Number: <u>045-16369</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>

Complaint				
Comment: <input type="text"/>				
Facility ID:	301813	Type:	WELL	API Number: 045-18281
Status:	XX	Insp. Status:	ND	
Producing Well				
Comment: <input type="text"/>				
Facility ID:	301814	Type:	WELL	API Number: 045-18282
Status:	XX	Insp. Status:	ND	
Complaint				
Comment: <input type="text"/>				
Facility ID:	301815	Type:	WELL	API Number: 045-18283
Status:	XX	Insp. Status:	ND	
Complaint				
Comment: <input type="text"/>				
Facility ID:	301816	Type:	WELL	API Number: 045-18284
Status:	XX	Insp. Status:	ND	
Complaint				
Comment: <input type="text"/>				
Facility ID:	301817	Type:	WELL	API Number: 045-18285
Status:	XX	Insp. Status:	ND	
Complaint				
Comment: <input type="text"/>				
Facility ID:	301818	Type:	WELL	API Number: 045-18286
Status:	DG	Insp. Status:	ND	
Complaint				
Comment: <input type="text"/>				
Facility ID:	301819	Type:	WELL	API Number: 045-18287
Status:	XX	Insp. Status:	ND	
Complaint				
Comment: <input type="text"/>				
Facility ID:	301820	Type:	WELL	API Number: 045-18288
Status:	XX	Insp. Status:	ND	
Complaint				
Comment: <input type="text"/>				
Facility ID:	301821	Type:	WELL	API Number: 045-18289
Status:	XX	Insp. Status:	ND	
Complaint				
Comment: <input type="text"/>				
Facility ID:	301822	Type:	WELL	API Number: 045-18290
Status:	XX	Insp. Status:	ND	
Complaint				
Comment: <input type="text"/>				
Facility ID:	301823	Type:	WELL	API Number: 045-18291
Status:	XX	Insp. Status:	ND	

Complaint

Comment:

Facility ID: 301824 Type: WELL API Number: 045-18292 Status: XX Insp. Status: ND

Complaint

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: OTHER, 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? In CM _____
CA _____ CA Date _____
- Guy line anchors removed? In CM _____
CA _____ CA Date _____
- Guy line anchors marked? Pass CM _____
CA _____ CA Date _____

COGCC Comments

Comment	User	Date
Inspection in response to a complaint, Doc#200361831, of Antero conducting improper flaring operations on an Antero well pad located in the Mineota Estate subdivision. No activity was found on this well pad during the time of inspection. No portable flaring equipment was present during inspection of this well pad.	kellerbs	08/30/2012