

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:
12/18/2012

Document Number:
668500248

Overall Inspection:
Unsatisfactory

FIELD INSPECTION FORM

Location Identifier	Facility ID	Loc ID	Tracking Type	Inspector Name: <u>Baroumand, Soraya</u>
	<u>280525</u>	<u>324342</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
RAMOS, MARTHA		martha.ramos@state.co.us	
ASH, MARGARET		margaret.ash@state.co.us	
Black, Jon	(970) 625-9922	jblack@anteroresources.com	Operations Manager - Piceance
FISCHER, ALEX		alex.fischer@state.co.us	
MILNE, JAMES		james.milne@state.co.us	

Compliance Summary:

QtrQtr: NWSE Sec: 32 Twp: 5S Range: 92W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Unsatisfactory	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
07/24/2006	200100037	BH	DG	S	I	P	N
01/24/2006	200088280	PR	WO	U		P	N

Inspector Comment:

The field inspection unit (FIU) has referred this location to the environmental group for further evaluation and corrective action requirements. Refer to environmental, reclamation and pit sections of report for more information and Document # 668500249 for site inspection photos.

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	
280525	WELL	SI	03/14/2006	GW	045-11276	LUNDGREN A1	<input checked="" type="checkbox"/>

Equipment:

Location Inventory

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

Location

Signs/Marker:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
OTHER	Satisfactory	at gated entrance to facility		
WELLHEAD	Unsatisfactory	not visible placed. located in grated-covered cellar.	Install sign to comply with rule 210.b.	02/22/2013
OTHER	Satisfactory	at nearest county road intersection		

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

Comment: _____

Corrective Action: _____

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

Fencing/:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
PIT	Satisfactory	Livestock fencing. 5-strand barbed w/wood posts.		
LOCATION	Satisfactory	livestock fencing		

Venting:	
Yes/No	Comment

Flaring:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date

Predrill

Location ID: 324342

Site Preparation:

Lease Road Adeq.: _____ Pads: _____ Soil Stockpile: _____
 Corrective Action: _____ Date: _____ CDP Num.: _____

Form 2A COAs:

Comment: _____

CA: _____ **Date:** _____

Wildlife BMPs:

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: _____

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: 280525 Type: WELL API Number: 045-11276 Status: SI Insp. Status: SI

Idle Well

Purpose: Shut In Temporarily Abandoned Reminder: _____

S/V: _____ CA Date: _____

CA: Well must be either: 1) Put on production or 2) Per COGCC Rule 326.b.(1) a successful mechanical integrity test shall be performed on each shut-in well within two (2) years of the initial shut-in date or 3) Be properly plugged and abandoned. Shut-in and temporarily abandoned wells must be properly reported on COGCC Form 7, Operator's Monthly Production Report.

Comment: Last Record of MIT test was October of 2009. Document #200221047

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: _____

Waste Management:

Type	Management	Condition	Comment	GPS (Lat)	(Long)
Drill Cuttings	Landfarm	Inadequate	40' x 200' landfarmed area composed of drill cuttings, liners, wood fiber, & dirt. No waste management plan specific to E&P waste practices on file. Form 28 (#149019) references only to pit operations.		
Frac Sand	Piles	Inadequate	Location has debris piles consisting of frac sand, drill cuttings, and earthen material that have inadequate stormwater management and containment.		
Oily Tank Bottoms	Tanks	Inadequate	Open-topped metal tanks containing vegetative-rubbish, rainwater, dirt & possible E&P waste require proper removal & disposal. Oil stains are apparent on tank's vertical walls.		

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: _____

Comment: The well pad is approximately 1.7 acres and the pit area is approximately 1.4 acres.

1003a. Debris removed? _____ CM _____
 CA _____ CA Date _____
 Waste Material Onsite? Fail CM Multiple soil & E&P waste stockpiles
 CA Remove waste material or submit a waste management plan CA Date 02/22/2013
 Unused or unneeded equipment onsite? Fail CM 10'x40'x5'&10'x20'5' open tanks
 CA Remove tanks which are no longer needed for operations CA Date 02/22/2013
 Pit, cellars, rat holes and other bores closed? In CM cellar w/surface grate
 CA _____ CA Date _____
 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 ? _____
 1003c. Compacted areas have been cross ripped? Fail
 1003d. Drilling pit closed? Pass 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? Fail
 Production areas have been stabilized? _____ Segregated soils have been replaced? Fail

RESTORATION AND REVEGETATION

Cropland

Top soil replaced _____ Recontoured _____ Perennial forage re-established _____

Non-Cropland

Top soil replaced Fail Recontoured Fail 80% Revegetation Fail

1003 f. Weeds Noxious weeds? F

Comment: Area has not been restored, contoured, amended, seeded or footprint reduced. E&P drilling waste stored on-site. Noxious weed Russian Knapweed observed. Begin interim reclamation w/1000 series rules and provide treatment for noxious weeds.

Overall Interim Reclamation Fail

Final Reclamation/ Abandoned Location:

Date Final Reclamation Started: _____ Date Final Reclamation Completed: _____

Final Land Use: _____

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 _____

Inspector Name: Baroumand, Soraya

Weeds present _____ Subsidence _____

Comment: _____

Corrective Action: _____ Date _____

Overall Final Reclamation _____ Multi-Well Location

Storm Water:

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Berms	Fail					incomplete for E&P waste storage piles.
Ditches	Pass					

S/U/V: **Unsatisfactory** Corrective Date: **02/22/2013**

Comment: Stormwater controls around the southern landfarm strip area was observed, but was absent in other stockpiled areas.

CA: Implement stormwater BMPs and management practices for all stockpiled E & P waste on site.

Pits:

Pit Type: Completion Lined: YES Pit ID: 282224 Lat: 39.569882 Long: -107.740557

Lining:

Liner Type: Other Liner Condition: Adequate

Comment: 20 mil-fiber/Geosynthetic

Fencing:

Fencing Type: Livestock Fencing Condition: Adequate

Comment: 5-strand barbed w/wood-posts

Netting:

Netting Type: _____ Netting Condition: _____

Comment: no netting

Anchor Trench Present: YES Oil Accumulation: NO 2+ feet Freeboard: _____

Pit (S/U/V): Satisfactory Comment: **Pit is approximately 200' x 240'. Pit has existed since 2006. Approximately 1' of fluid was noted in the pit.**

Corrective Action: _____ Date: _____

Pits:

Pit Type: Centralized Frac Lined: YES Pit ID: 149019 Lat: 39.569882 Long: -107.740557

Lining:

Liner Type: Other Liner Condition: Adequate

Comment: 20 mil Poly-Fiber/Geosynthetic

Fencing:

Fencing Type: Livestock Fencing Condition: Adequate

Comment: 5-strand barbed wire fencing w/wood posts

Netting:

Netting Type: _____ Netting Condition: _____

Comment: no netting

Anchor Trench Present: YES Oil Accumulation: NO 2+ feet Freeboard: _____

Pit (S/U/V): Satisfactory Comment: This pit is the same structure as the completions (flow-back) pit ID # 282224. Pit is approximately 200' x 240'. Location has a groundwater monitoring well permitted with the State Engineer's office (441276-MH), which is located approximately 100' downgradient & southwest of pit.

Corrective Action: _____ Date: _____

Monitoring:	Monitoring Type	Comment
	None	

COGCC Comments

Comment	User	Date
<p>The field inspection unit (FIU) has referred this location to the environmental group for further evaluation and corrective action requirements. Refer to Document # 668500249 for site inspection photos.</p> <p>Location has one shut-in well and a pit (#149019) permitted as a centralized waste management facility to the east. The well pad appears to be utilized for waste management operations. Aerial photos document stockpiling on location since summer 2009. No waste management plan specific to E&P waste practices are on file and it appears that soils are not being treated in accordance with 907.e. Furthermore, no interim reclamation has for location has taken place and noxious weeds remain.</p> <p>Corrective Actions Required: Begin interim reclamation w/1000 series rules and provide treatment for noxious weeds. Remove tanks which are no longer needed for operations. Provide stormwater BMPs for all stockpiled media on location. Remove waste material or submit a waste management plan and submit a status update report for future use of pit and well. Perform a MIT test or properly plug and abandon well per COGCC RULES.</p>	baroumas	12/20/2012

Attached Documents

You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
668500249	Site inspection photos & aerals	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3034037