

**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
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Inspection Date:  
09/22/2014Document Number:  
675200571Overall Inspection:  
SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	438499	438499	CONKLIN, CURTIS	<input type="checkbox"/>	

**Operator Information:**OGCC Operator Number: 10433Name of Operator: PICEANCE ENERGY LLCAddress: 1512 LARIMER STREET #1000City: DENVER State: CO Zip: 80202

- ☐ 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
Kellerby, Shaun		shuan.kellerby@state.co.us	NW Supervisor
Well Supervisor		wellsitesupervisor@laramie-energy.com	
Bankert, Wayne	(970) 683-5419	wbankert@laramie-energy.com	Senior Regulatory & Environmental Coordinator

**Compliance Summary:**QtrQtr: NESW Sec: 28 Twp: 9S Range: 93W**Inspector Comment:****Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
301412	WELL	XX	05/30/2014	LO	077-09940	Piceance 28-21W	DG	<input checked="" type="checkbox"/>
301415	WELL	XX	05/30/2014	LO	077-09943	Piceance 28-20W	XX	<input checked="" type="checkbox"/>
301417	WELL	XX	05/30/2014	LO	077-09945	Piceance 28-19W	XX	<input checked="" type="checkbox"/>
301419	WELL	XX	05/30/2014	LO	077-09947	Piceance 28-18W	XX	<input checked="" type="checkbox"/>
301423	WELL	XX	05/30/2014	LO	077-09951	Piceance 28-16W	XX	<input checked="" type="checkbox"/>
301425	WELL	XX	05/30/2014	LO	077-09953	Piceance 28-15W	XX	<input checked="" type="checkbox"/>
301426	WELL	XX	05/30/2014	LO	077-09954	Piceance 28-14W	XX	<input checked="" type="checkbox"/>
301428	WELL	XX	05/30/2014	LO	077-09956	Piceance 28-13W	XX	<input checked="" type="checkbox"/>
438457	WELL	DG	09/17/2014		077-10220	Piceance 28-11W	DG	<input checked="" type="checkbox"/>

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

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>22</u>	Production Pits: _____
Condensate Tanks: <u>10</u>	Water Tanks: _____	Separators: <u>6</u>	Electric Motors: _____
Gas or Diesel Motors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: _____	VOC Combustor: <u>1</u>	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

**Location****Lease Road:**

Type	Satisfactory/Action Required	comment	Corrective Action	Date
Access	SATISFACTORY			
Main	SATISFACTORY			

Emergency Contact Number (S/A/V): \_\_\_\_\_

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

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

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

**Spills:**

Type	Area	Volume	Corrective action	CA Date
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☐ Multiple Spills and Releases?**Venting:**

Yes/No	Comment

**Flaring:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

**Predrill**

Location ID: 438499

**Site Preparation:**

Lease Road Adeq.: \_\_\_\_\_ Pads: \_\_\_\_\_ Soil Stockpile: \_\_\_\_\_

**S/A/V:** \_\_\_\_\_

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_ CDP Num.: \_\_\_\_\_

**Form 2A COAs:**

Group	User	Comment	Date
OGLA	kubeczkd	Operator shall pressure test pipelines in accordance with Rule 1101.e.(1) prior to putting into initial service any temporary surface or permanent buried pipelines and following any reconfiguration of the pipeline network.	05/21/2014
OGLA	kubeczkd	The moisture content of any drill cuttings in a cuttings 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.  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 storage vessel 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 constructed to be sufficiently impervious to contain any spilled or released material.	05/21/2014
OGLA	kubeczkd	Notify the COGCC 48 hours prior to start of pad construction, rig mobilization, spud, pipeline testing, start of hydraulic stimulation operations, and start of flowback operations using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).	05/21/2014

OGLA	kubeczkd	<p>The access road will be constructed and maintained as to not allow any sediment to migrate from the access road to nearby surface water or any drainages leading to surface water.</p> <p>Strategically apply fugitive dust control measures, including enforcing established speed limits on private roads, to reduce fugitive dust and coating of vegetation and deposition in water sources.</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 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>If permanent crude, condensate, and water tanks are placed at the site, operator shall install a steel containment ring around tank batteries to provide secondary containment and install a synthetic liner that underlies the entire battery and is keyed into the top of the containment ring.</p>	05/21/2014
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**S/A/V:** \_\_\_\_\_ **Comment:** \_\_\_\_\_

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

**Wildlife BMPs:**

BMP Type	Comment
Storm Water/Erosion Control	CDPHE Stormwater Certification Number COR03K454 for North Vega Project Area includes this location
Wildlife	<p>PICEANCE ENERGY, LLC</p> <p>Best Management Practices (BMP's) To Reduce Impacts to Wildlife on the Piceance 28-11 Pad For Operations in Sec. 25, Twn. 9S, Rng. 93W 6th PM Mesa County, CO</p> <p>COGCC Mapping indicates:  ** NO RSO (Restricted Surface Occupancy) on the S Piceance 28-11 Pad  ** SWH (Elk Winter Range and Black Bear) on the Piceance 28-11 Pad  Note: COGCC Order 399-7 Excuses Piceance Energy from consultation with CDOW (CPW) contained in rule 306c.</p> <p>In an effort to minimize the impacts to wildlife, the following BMP's are part of Piceance Energy's (PE) standard operating procedures for drilling and operations within the Piceance Basin. This list is a partial of PE's policy.</p> <p>Initial Stages for Infrastructure and Roads</p> <p>1. Road design and General</p> <ul style="list-style-type: none"> <li>- No firearms, no dogs on location, and no feeding of wildlife.</li> <li>- Minimize the amount of traffic on lease roads within 3 hours of sunrise and sunset.</li> <li>- Use existing routes as much as possible to avoid new disturbance and habitat fragmentation and minimize new road construction.</li> <li>- Maximize the topography as much as possible in designing roads to reduce, visual, noise, impacts, etc.</li> <li>- Participate in road sharing agreements with other Operators when possible.</li> <li>- Design and surface roads based on the traffic, speed, and type of vehicles to reduce, dust, mud, and environmental damage.</li> <li>- Locate roads away from riparian areas and bottoms of drainages as much as possible or re-route entirely.</li> <li>- Obtain Army Corp of Engineer Permits for any stream crossings prior to construction.</li> <li>- Analyze crossings and flow characteristics to determine the best method of crossing, (i.e. culvert, bridge, or low water).</li> <li>- Armor all stream crossings to reduce erosion and to comply with Stormwater Requirements.</li> <li>- Implementation of fugitive dust control measures including but not limited to water or</li> </ul>

magnesium chloride applications, and road surfacing.

- Limit traffic to the minimum needed for safe and efficient operations.
- No driving or parking off of disturbed areas.
- Install and use locked gates or other means when allowed by landowner or Federal Agencies to prevent unauthorized travel on roads and rights-of ways.

## 2. Well pad design and location

- Locate well pads to maximize directional drilling practices. PE currently plans and attempts to locate pads for the maximum number of wells which can safely be developed from each pad. This is normally 16-20 wells per pad which equates to roughly 4 well pads per section.
- Design each location to accommodate both current and future gas production.
- Locate well pads to minimize disturbance yet maximize use to reduce surface impacts.
- Review State and Federal GIS mapping to avoid Sensitive Wildlife Habitat (SWH), Restricted Surface Occupancy (RSO) areas, steep slopes, etc., as much as possible with roads and pad location.
- Design and install gathering lines within the disturbed area of new roads and adjacent to as much as possible to reduce disturbance construction.
- Design Rights-of Way widths to the minimum needed for safe and efficient construction of pipelines
- Remote Telemetry for production operations

## 3. Drilling and Production Operations

- Implement remote telemetry in all operations
- Where topographically possible and subject to landowner approval, use centralized water gathering and transportation systems.
- Install exclusionary devices to prevent bird and other wildlife access to equipment stacks, vents, and openings.
- Locate facilities to minimize visual effects (e.g. paint color, screening, etc.)
- PE implements a dewatering system in its operations. No fluid pits are constructed or used during drilling or completion operations.
- PE implements an aggressive weed management program. PE incorporates and uses the BLM Colorado River Valley Field Office's "Noxious and Invasive Weed Management Plan for Oil and Gas Operators- March 2007" for all operations. Each spring, Piceance Energy inventories all pads, roads, and pipelines to insure no noxious weeds have been introduced. If noxious weeds are found, the county will be notified and the weeds will be treated. Weeds are continuously monitored and treated throughout the growing season. Only herbicides approved by the EPA and State are used by certified weed applicators.

## 4. Reclamation

- Strip and segregate topsoil from other soil horizons during pad, road, and pipeline construction.
- Minimize topsoil degradation by windrowing no higher than 5 feet when possible.
- Immediately seed topsoil to reduce erosion and prevent weed establishment and maintain soil microbial activity.
- Use only certified weed free native seed mixes, unless recommended otherwise by Federal Agencies or the Landowner.
- Use locally adapted seed when available.
- Use diverse seed mixes to mirror the surrounding area unless recommended otherwise by Federal Agencies or the Landowner.
- Monitor re-vegetation success until a minimum of 75% of preferred perennial plant cover (no weeds) is established.
- Perform "interim" reclamation on all disturbed areas not needed for active producing operations.
- If possible, conduct interim and final reclamation during optimum periods (e.g. late fall/early winter or early spring).
- If needed, fence reclaimed areas to minimize livestock/wildlife impact until plant species have are capable of sustaining grazing.

PICEANCE ENERGY, LLC  
BMPS FOR  
Sensitive Wildlife Habitat and Restricted Surface Occupancy  
Areas Specific to Piceance Energy, LLC  
Operations within the Piceance Basin  
Mesa County, CO

Sensitive Wildlife Habitat (SWH)

Black Bear

- Initiate a food and waste/refuse management program that uses bear-proof food storage containers and trash receptacles.
- Initiate an education program that reduces bear conflicts.
- Establish policy to prohibit keeping food and trash in sleeping quarters.
- Establish policy to support enforcement of state prohibition on feeding of black bear.
- Report bear conflicts immediately to CPW .

Signature /s/ Wayne P. Bankert Date 5/8/2014  
 Wayne P. Bankert  
 Senior Reg. & Env. Coordinator

**S/AV:** \_\_\_\_\_ **Comment:** \_\_\_\_\_

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

**Stormwater:****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: 301412 Type: WELL API Number: 077-09940 Status: XX Insp. Status: DG

**Well Drilling**

**Rig:** Rig Name: Majors Pusher/Rig Manager: Rodger Foster  
 Permit Posted: ACTION REQUIRED Access Sign: SATISFACTORY

**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:**

Surface Rig

Facility ID: <u>301415</u>	Type: <u>WELL</u>	API Number: <u>077-09943</u>	Status: <u>XX</u>	Insp. Status: <u>XX</u>
Facility ID: <u>301417</u>	Type: <u>WELL</u>	API Number: <u>077-09945</u>	Status: <u>XX</u>	Insp. Status: <u>XX</u>
Facility ID: <u>301419</u>	Type: <u>WELL</u>	API Number: <u>077-09947</u>	Status: <u>XX</u>	Insp. Status: <u>XX</u>
Facility ID: <u>301423</u>	Type: <u>WELL</u>	API Number: <u>077-09951</u>	Status: <u>XX</u>	Insp. Status: <u>XX</u>
Facility ID: <u>301425</u>	Type: <u>WELL</u>	API Number: <u>077-09953</u>	Status: <u>XX</u>	Insp. Status: <u>XX</u>
Facility ID: <u>301426</u>	Type: <u>WELL</u>	API Number: <u>077-09954</u>	Status: <u>XX</u>	Insp. Status: <u>XX</u>
Facility ID: <u>301428</u>	Type: <u>WELL</u>	API Number: <u>077-09956</u>	Status: <u>XX</u>	Insp. Status: <u>XX</u>
Facility ID: <u>438457</u>	Type: <u>WELL</u>	API Number: <u>077-10220</u>	Status: <u>DG</u>	Insp. Status: <u>DG</u>

**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: HAY MEADOW, IRRIGATED

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: HAY MEADOW, IRRIGATED

Reminder: \_\_\_\_\_

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

Well plugged \_\_\_\_\_ Pit mouse/rat holes, cellars backfilled \_\_\_\_\_

Debris removed \_\_\_\_\_ No disturbance /Location never built \_\_\_\_\_

Inspector Name: CONKLIN, CURTIS

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
Berms	Pass	Check Dams	Pass	CM	Fail	
Gravel	Pass	Culverts	Pass			
Compaction	Pass	Compaction	Pass			
Retention Ponds	Pass	Gravel				

S/A/V: **ACTION REQUIRED**      Corrective Date: **09/22/2014**

Comment: **Materials not covered at time of inspection.**  
CA: **Cover all palleted materials**

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

**COGCC Comments**

Comment	User	Date
<b>Cover materials. Post permit in visible place.</b>	conklinc	09/22/2014