

**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:
03/17/2015Document Number:
675201313Overall Inspection:
SATISFACTORY**FIELD INSPECTION FORM**

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

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
Bankert, Wayne	(970) 683-5419	wbankert@laramie-energy.com	Senior Regulatory & Environmental Coordinator

Compliance Summary:QtrQtr: NESW Sec: 28 Twp: 9S Range: 93W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
02/25/2015	675201251			SATISFACTORY			No
09/22/2014	675200571			SATISFACTORY			No

Inspector Comment:Drilling inspection**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
301411	WELL	DG	02/04/2015	LO	077-09939	Piceance 28-15M	DG
301412	WELL	WO	02/13/2015	LO	077-09940	Piceance 28-21W	WO
301414	WELL	WO	02/13/2015	LO	077-09942	Piceance 28-21M	WO
301415	WELL	WO	02/13/2015	LO	077-09943	Piceance 28-20W	WO
301416	WELL	WO	02/13/2015	LO	077-09944	Piceance 28-20M	WO
301417	WELL	WO	03/12/2015	LO	077-09945	Piceance 28-19W	WO
301418	WELL	WO	03/12/2015	LO	077-09946	Piceance 28-19M	WO
301419	WELL	XX	05/30/2014	LO	077-09947	Piceance 28-18W	XX
301420	WELL	DG	01/08/2015	LO	077-09948	Piceance 28-18M	DG

Inspector Name: CONKLIN, CURTIS

301421	WELL	DG	01/20/2015	LO	077-09949	Piceance 28-17W	DG	<input type="checkbox"/>
301422	WELL	DG	01/14/2015	LO	077-09950	Piceance 28-17M	DG	<input type="checkbox"/>
301423	WELL	DG	01/25/2015	LO	077-09951	Piceance 28-16W	DG	<input type="checkbox"/>
301424	WELL	DG	01/30/2015	LO	077-09952	Piceance 28-16M	DG	<input type="checkbox"/>
301425	WELL	DG	02/09/2015	LO	077-09953	Piceance 28-15W	DG	<input type="checkbox"/>
301426	WELL	DG	02/15/2015	LO	077-09954	Piceance 28-14W	DG	<input type="checkbox"/>
301427	WELL	DG	02/19/2015	LO	077-09955	Piceance 28-14M	DG	<input type="checkbox"/>
301428	WELL	DG	02/28/2015	LO	077-09956	Piceance 28-13W	DG	<input type="checkbox"/>
411976	WELL	DG	02/23/2015	LO	077-10060	Piceance 28-13M	DG	<input type="checkbox"/>
438457	WELL	DG	09/17/2014		077-10220	Piceance 28-11W	DG	<input type="checkbox"/>
438458	WELL	DG	03/05/2015		077-10221	Piceance 28-12W	DG	<input type="checkbox"/>
438859	WELL	DG	03/10/2015		077-10223	Piceance 28-12M	DG	<input type="checkbox"/>
438860	WELL	DG	03/15/2015		077-10224	Piceance 28-11M	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 Mortors: _____	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

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

PredrillLocation 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	<p>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.</p> <p>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.</p>	05/21/2014
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	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

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>

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.

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.

Initial Stages for Infrastructure and Roads

1. Road design and General

- No firearms, no dogs on location, and no feeding of wildlife.
- Minimize the amount of traffic on lease roads within 3 hours of sunrise and sunset.
- Use existing routes as much as possible to avoid new disturbance and habitat fragmentation and minimize new road construction.
- Maximize the topography as much as possible in designing roads to reduce, visual, noise, impacts, etc.
- Participate in road sharing agreements with other Operators when possible.
- Design and surface roads based on the traffic, speed, and type of vehicles to reduce, dust, mud, and environmental damage.
- Locate roads away from riparian areas and bottoms of drainages as much as possible or re-route entirely.
- Obtain Army Corp of Engineer Permits for any stream crossings prior to construction.
- Analyze crossings and flow characteristics to determine the best method of crossing, (i.e. culvert, bridge, or low water).
- Armor all stream crossings to reduce erosion and to comply with Stormwater Requirements.
- Implementation of fugitive dust control measures including but not limited to water or 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/A/V: _____ **Comment:** _____

CA: _____ **Date:** _____

Stormwater:

Comment: _____

Staking:

On Site Inspection (305):

Surface Owner Contact Information:

Name: _____ Address: _____

Phone Number: _____ Cell Phone: _____

Inspector Name: CONKLIN, CURTIS

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: 438860 Type: WELL API Number: 077-10224 Status: DG Insp. Status: DG

Well Drilling

Rig: Rig Name: Patterson 306 Pusher/Rig Manager: Matt Settles

Permit Posted: SATISFACTORY Access Sign: SATISFACTORY

Well Control Equipment:

Pipe Ram: YES Blind Ram: YES Hydril Type: YES

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

Drill Fluids

Management:

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

Multi-Well: _____ Disposal Location: _____

Comment:

Cement

Cement Contractor

Contractor Name: Halliburton

Contractor Phone: _____

Surface Casing

Cement Volume (sx): 192

Circulate to Surface: YES

Cement Fall Back: NO

Top Job, 1" Volume: _____

Intermediate Casing

Cement Volume (sxs): _____

Good Return During Job: _____

Production Casing

Cement Volume (sx): _____

Good Return During Job: _____

Plugging Operations

Depth Plugs(feet range): _____

Cement Volume (sx): _____

Good Return During Job: _____

Cement Type: _____

Comment: 2.45 yield

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

Inspector Name: CONKLIN, CURTIS

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 _____

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

S/A/V: _____ Corrective Date: _____

Comment: _____

CA: _____

Pits: ☐ NO SURFACE INDICATION OF PIT