

**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:

01/06/2014

Document Number:

663902612

Overall Inspection:

Satisfactory**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	334778	334778	LONGWORTH, MIKE	<input type="checkbox"/>	

**Operator Information:**

OGCC Operator Number:

Name 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
Kellerby, Shaun		shaun.kellerby@state.co.us	

**Compliance Summary:**QtrQtr: SWNE Sec: 22 Twp: 7S Range: 95W**Inspector Comment:****Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
286087	WELL	PR	02/01/2011	GW	045-12613	FURR 7-22D	PR	<input checked="" type="checkbox"/>
286729	WELL	PR	02/01/2011	GW	045-12738	FURR 10-22 B	PR	<input checked="" type="checkbox"/>
286730	WELL	PR	02/01/2011	GW	045-12737	FURR 7-22B	PR	<input checked="" type="checkbox"/>
290461	WELL	PR	07/01/2011	GW	045-14122	FURR-HAGEN 6-22B (F-1)	PR	<input checked="" type="checkbox"/>
290462	WELL	PR	02/01/2011	GW	045-14123	FURR-HAGEN 6-22D (F-1)	PR	<input checked="" type="checkbox"/>
412507	WELL	XX	07/15/2010	LO	045-18463	Furr 22-06C	ND	<input type="checkbox"/>
412509	WELL	PR	09/24/2010	GW	045-18472	Furr 22-07A	PR	<input checked="" type="checkbox"/>
418133	WELL	PR	10/05/2010	GW	045-19683	FURR 22-07C	PR	<input checked="" type="checkbox"/>

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

Special Purpose Pits: _____	Drilling Pits: <u>1</u>	Wells: <u>8</u>	Production Pits: _____
Condensate Tanks: <u>4</u>	Water Tanks: _____	Separators: <u>2</u>	Electric Motors: _____
Gas or Diesel Mortors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: <u>1</u>
Gas Compressors: _____	VOC Combustor: _____	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

**Location**

<b>Lease Road:</b>				
Type	Satisfactory/Unsatisfactory	comment	Corrective Action	Date
Access	Satisfactory	Snow packed		

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

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

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

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

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

<b>Equipment:</b>					
Type	#	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Bird Protectors	2	Satisfactory			
Ancillary equipment	2	Satisfactory	Chemical totes at wells		
Emission Control Device	1	Satisfactory			
Horizontal Heated Separator	7	Satisfactory			
Plunger Lift	7	Satisfactory			

<b>Facilities:</b>		<input type="checkbox"/> New Tank	Tank ID: _____
Contents	#	Capacity	Type
CONDENSATE	1	400 BBLS	STEEL AST
SE GPS	39.423690,107.981810		
S/U/V:	Satisfactory	Comment:	
Corrective Action:			Corrective Date:

**Paint**

Condition	Adequate
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Other (Content) \_\_\_\_\_

Other (Capacity) \_\_\_\_\_

Other (Type) \_\_\_\_\_

**Berms**

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate

Corrective Action \_\_\_\_\_ Corrective Date \_\_\_\_\_

Comment \_\_\_\_\_

<b>Venting:</b>	
Yes/No	Comment

<b>Flaring:</b>				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Ignitor/Combustor	Satisfactory			

**Predrill**

Location ID: 334778

**Site Preparation:**

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

**S/U/V:** \_\_\_\_\_

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

**Form 2A COAs:**

Group	User	Comment	Date
Agency	kubeczkod	Comply with all DOE office of legacy management requests for sampling and analysis of natural gas and other materials associated with drilling and production. Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations. If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids. Flowback to tanks only. Submit a secondary and tertiary containment plan via sundry notice form 4 for the tanks. Attn: Chris Canfield. Obtain approval of the plan prior to flowback. Produced water from this location may not be transported to or re-used at another location without specific written approval from COGCC and only after analysis confirms compliance with the Rulison SAP. Drill solids and cuttings from this location may not be transported to, disposed of or re-used at another location without specific written approval from COGCC and only after analysis confirms compliance with the Rulison SAP. A closed loop mud system shall be utilized to ensure containment of all materials that have been in contact with downhole strata and fluids. All cuttings and fresh make up water storage pits shall be lined to ensure containment. Contour features, french drains and other stormwater BMPs as necessary shall be employed to ensure site integrity. No individual operator shall utilize more than one rig within one mile of the project rulison blast site at any given time and no individual operator shall utilize more than two rigs within a three mile radius of the site at any given time. The total number of rigs allowed by all operators within three miles of the site shall be limited to five at any given time. Operator shall comply with all provisions of the most recent COGCC approved revision of the rulison sampling and analysis plan. In addition to the produced water sampling and analysis outlined in section 5.8 of the plan the operators shall also obtain and analyze produced water samples on wells described in the plan for constituents listed in the plan using the specified method where applicable. Pit construction shall comply with the "reserve pit and liner design technical specifications," dated July 2008. 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. No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.	04/20/2010

**S/U/V:** \_\_\_\_\_ **Comment:** \_\_\_\_\_**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_**Wildlife BMPs:**

BMP Type	Comment
PROPOSED BMPs	<p data-bbox="358 128 683 159">LARAMIE ENERGY II, LLC</p> <p data-bbox="358 191 797 222">Best Management Practices (BMP's)</p> <p data-bbox="358 254 716 285">To Reduce Impacts to Wildlife</p> <p data-bbox="358 317 610 348">For Operations in the</p> <p data-bbox="358 380 545 411">Piceance Basin</p> <p data-bbox="358 485 1503 579">In an effort to minimize the impacts to wildlife, the following BMP's are part of Laramie Energy II's (LEII) standard operating procedures for drilling and operations within the Piceance Basin. This list is a partial of LEII's policy.</p> <p data-bbox="358 663 1438 726">**Specific to Proposed Furr 22 -07 (F -1) Pad: Existing access road to location crosses BLM lands with December 1 — April 30 Winter Wildlife Restriction.</p> <p data-bbox="358 810 854 842">Initial Stages for Infrastructure and Roads</p> <p data-bbox="358 926 691 957">1. Road design and General</p> <ul data-bbox="358 989 1503 1986" 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 magnesium chloride applications, and road surfacing.</li> <li>- Limit traffic to the minimum needed for safe and efficient operations.</li> <li>- No driving or parking off of disturbed areas.</li> <li>- 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.</li> </ul>

	<p>2. Well pad design and location</p> <ul style="list-style-type: none"> <li>-Locate well pads to maximize directional drilling practices. LEII currently plans and attempts to locate pads for 16 -20 wells which equates to roughly 4 well pads per section.</li> <li>-Design each location to accommodate both current and future gas production. Locate well pads to minimize disturbance yet maximize use to reduce surface impacts.</li> <li>-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.</li> <li>-Design and install gathering lines within the disturbed area of new roads and adjacent to as much as possible to reduce disturbance construction.</li> </ul>
PROPOSED BMPs	<p>Laramie Energy II, LLC</p> <p>Design Rights -of Way widths to the minimum needed for safe and efficient construction of pipelines</p> <p>Remote Telemetry for production operations</p> <p>3. Drilling and Production Operations</p> <ul style="list-style-type: none"> <li>- Implement remote telemetry in all operations</li> <li>- Where topographically possible and subject to landowner approval, use centralized water gathering and transportation systems.</li> <li>- Install exclusionary devices to prevent bird and other wildlife access to equipment stacks, vents, and openings.</li> <li>- Locate facilities to minimize visual effects (e.g. paint color, screening, etc.)</li> <li>- LEII implements a closed system in its operations. No fluid pits are constructed or used during drilling or completion operations.</li> </ul> <p>LEII implements an aggressive weed management program. LEII incorporates and uses the BLM Glenwood Springs Energy Office's "Noxious and Invasive Weed Management Plan for Oil and Gas Operators- March 2007" for all operations. Each spring, Laramie 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.</p> <p>4. Reclamation</p> <ul style="list-style-type: none"> <li>-Strip and segregate topsoil from other soil horizons during pad, road, and pipeline construction.</li> <li>-Minimize topsoil degradation by windrowing no higher than 5 feet when possible.</li> <li>-Immediately seed topsoil to reduce erosion and prevent weed establishment and maintain soil</li> </ul>

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.

LARAME ENERGY II, LLC

BMPS FOR

Sensitive Wildlife Habitat and Restricted Surface Occupancy

Areas Specific to Laramie Energy II, LLC

Operations Within the Piceance Basin

Garfield 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 CDOW .

Deer and Elk

- Review State GIS and Federal GIS mapping databases at the initial stage of development to identify the locations of mule deer and elk important wintering habitats and production areas.

Attempt to avoid any critical habitat patches with roads and development.

- Attempt to avoid oil and gas activities within mule deer critical winter range, elk winter concentration areas, elk production areas, and migration corridors.

- Phase and concentrate all development activities, so that large areas of undisturbed habitat for wildlife remain and thorough reclamation occurs immediately after development and before moving to new sites. Development should progress at a pace commensurate with reclamation success.

- Gate single - purpose roads and restrict general public access to reduce traffic disruptions to wildlife.

- Avoid aggressive non - native grasses and shrubs in reclamation

<p><b>PROPOSED BMPs</b></p>	<p><b>PROPOSED BMP's</b></p> <p>LARAMIE ENERGY II, LLC</p> <p>Furr 22 -07 (F -1) Pad</p> <p>Lat: 39.423882 Long: - 107.982243</p> <p>SWNE Sec. 22, Twn. 7S, Rng. 95W 6th PM</p> <p>Garfield County, CO</p> <p>Stormwater Management</p> <p>Stormwater Management will be managed under (Laramie Energy II) LE II's Stormwater Management Plan known as the "Jacks Pocket Production Field" under CDPHE General Permit No. COR- 03A897.</p> <p>Prior to construction a stormwater "perimeter" will be built around the site for initial work purposes. Once the pad construction is completed, LE II's Stormwater Administrator will inspect the site and install any necessary Erosion Control Devices to manage sediment discharge from the pad. These devices may include but are not limited to:</p> <p>Rock Check dams</p> <p>Settling ponds</p> <p>Straw waddles</p> <p>Silt Fencing (used sparingly)</p> <p>Once the final stormwater Erosion Control Devices are installed they will be mapped in GIS and a diagram of the site will be drafted and included as part of the Stormwater Documentation as required by the CDPHE General Permit.</p> <p>Each site will be inspected every 14 days and 72 hrs after any major storm event. These inspections will be recorded and documented in the Stormwater Manual onsite and any necessary repairs or modifications will be made and documented.</p> <p>Spill Prevention Control and Counter Measures(SPCC)</p> <p>Once the wells are drilled and completed onsite Laramie Energy II's "Jacks Pocket and Reppo Areas" SPCC plan will be amended to include the site as part of the plan.</p>
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<b>S/U/V:</b> _____	<b>Comment:</b> _____	
<b>CA:</b> _____	<b>Date:</b> _____	



**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: 286087 Type: WELL API Number: 045-12613 Status: PR Insp. Status: PR

**Producing Well**

Comment: Producing well

Facility ID: 286729 Type: WELL API Number: 045-12738 Status: PR Insp. Status: PR

**Producing Well**

Comment: Producing well

Facility ID: 286730 Type: WELL API Number: 045-12737 Status: PR Insp. Status: PR

**Producing Well**

Comment: Producing well

Facility ID: 290461 Type: WELL API Number: 045-14122 Status: PR Insp. Status: PR

**Producing Well**

Comment: Producing well

Facility ID: 290462 Type: WELL API Number: 045-14123 Status: PR Insp. Status: PR

**Producing Well**

Comment: Producing well

Facility ID: 412509 Type: WELL API Number: 045-18472 Status: PR Insp. Status: PR

**Producing Well**

Comment: Producing well

Inspector Name: LONGWORTH, MIKE

Facility ID: 418133 Type: WELL API Number: 045-19683 Status: PR Insp. Status: PR

**Producing Well**

Comment: Producing well

**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: RANGELAND

Comment: Snow covering reclaim and location

1003a. Debris removed? Pass CM CA Date  
Waste Material Onsite? Pass CM CA Date  
Unused or unneeded equipment onsite? Pass CM CA Date  
Pit, cellars, rat holes and other bores closed? CM CA Date  
Guy line anchors removed? CM CA Date  
Guy line anchors marked? CM CA Date

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

1003c. Compacted areas have been cross ripped?

Inspector Name: LONGWORTH, MIKE

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: 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 \_\_\_\_\_ 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
Compaction	Pass	Compaction	Pass	MHSP	Pass	

S/U/V: Satisfactory \_\_\_\_\_ Corrective Date: \_\_\_\_\_

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

CA: \_\_\_\_\_

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