

**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
----	----	----	----

Inspection Date:

06/02/2015

Document Number:

674701476

Overall Inspection:

SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	441653	441653	LONGWORTH, MIKE	<input type="checkbox"/>	

**Operator Information:**OGCC Operator Number: 10456Name of Operator: CAERUS PICEANCE LLCAddress: 600 17TH STREET #1600NCity: 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
Janicek, Jake		JJanicek@caerusoilandgas.com	
Elsener, Garrett		garrett@caerusoilandgas.com	
McKee, Michael		MMckee@caerusoilandgas.com	EHS Engineer
Arthur, Denise		denise.arthur@state.co.us	

**Compliance Summary:**QtrQtr: SENW Sec: 1 Twp: 7S Range: 97W**Inspector Comment:****NOTICE OF CONSTRUCTION OF A NEW LOCATION OR MAJOR CHANGE [#400845392] Construction of location has begun.****Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
441641	WELL	XX	05/01/2015		045-22848	Puckett SWD E1-797	ND
441642	WELL	XX	05/01/2015		045-22849	Puckett 33C-1	ND
441643	WELL	XX	05/01/2015		045-22850	Puckett 33A-1	ND
441644	WELL	XX	05/01/2015		045-22851	Puckett 22C-1	ND
441645	WELL	XX	05/01/2015		045-22852	Puckett 32A-1	ND
441646	WELL	XX	05/01/2015		045-22853	Puckett 31B-1	ND
441647	WELL	XX	05/01/2015		045-22854	Puckett 22D-1	ND
441648	WELL	XX	05/01/2015		045-22855	Puckett 31C-1	ND
441649	WELL	XX	05/01/2015		045-22856	Puckett 34A-1	ND
441650	WELL	XX	05/01/2015		045-22857	Puckett 21C-1	ND
441651	WELL	XX	05/01/2015		045-22858	Puckett 21D-1	ND
441652	WELL	XX	05/01/2015		045-22859	Puckett 23C-1	ND
441654	WELL	XX	05/01/2015		045-22860	Puckett 32C-1	ND
441655	WELL	XX	05/01/2015		045-22861	Puckett 22A-36	ND
441656	WELL	XX	05/01/2015		045-22862	Puckett 13B-1	ND

Inspector Name: LONGWORTH, MIKE

441657	WELL	XX	05/01/2015		045-22863	Puckett 23B-1	ND	
441658	WELL	XX	05/01/2015		045-22864	Puckett 11C-1	ND	
441659	WELL	XX	05/01/2015		045-22865	Puckett 21A-1	ND	
441660	WELL	XX	05/01/2015		045-22866	Puckett 11B-1	ND	
441661	WELL	XX	05/01/2015		045-22867	Puckett 23A-1	ND	

**Equipment:**

Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>20</u>	Production Pits: _____
Condensate Tanks: <u>2</u>	Water Tanks: <u>10</u>	Separators: <u>19</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>2</u>	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: <u>1</u>	Fuel Tanks: _____

**Location**

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

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

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

**Spills:**

Type	Area	Volume	Corrective action	CA Date
------	------	--------	-------------------	---------

☐ Multiple Spills and Releases?

**Venting:**

Yes/No	Comment

**Flaring:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

**Predrill**

Location ID: 441653

**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>Injection Well Puckett SWD, E1-797: The following conditions of approval (COAs) will apply:</p> <p>PLANNING: The following conditions of approval (COAs) will apply: Approval of this Form 2A does not authorize operator the right to inject. Authorization to inject into the selected Formation(s) requires approval of both the Form 31 and the Form 33.</p> <p>CONSTRUCTION: The following conditions of approval (COAs) will apply:</p> <p>Operator will use qualified containment devices for all appropriate chemicals/hazardous materials and injection equipment (pumps) used onsite during the operation of the injection well.</p> <p>All tanks and aboveground vessels containing fluids must have secondary containment structures. All secondary containment structures/areas must be lined. Operator must ensure a minimum of 110 percent secondary containment for the largest structure containing fluids within each bermed area at the facility during operations. The construction and lining of the secondary containment structures/areas shall be supervised by a professional engineer or their agent.</p> <p>Operator shall equip and maintain on all tanks an electronic level monitoring device.</p> <p>DRILLING/COMPLETIONS: The following conditions of approval (COAs) will apply:</p> <p>Before hydraulic stimulation of the each well, operator shall collect a groundwater sample from the Ohio Creek Formation and analyze for total dissolved solids (TDS); submit laboratory analytical results to COGCC (emails: bob.koehler@state.co.us and arthur.koelspell@state.co.us).</p>	03/19/2015
OGLA	kubeczkd	<p>The moisture content of drill cuttings managed onsite shall be kept as low as practicable to prevent accumulation of liquids greater than de minimis amounts. After drilling and completion operations have been completed, the drill cuttings that will remain on the well pad location (cuttings management area, the cut portion of the pad, cuttings trench, dry cuttings drilling pit), must meet the applicable standards of Table 910-1. After the drill cuttings have been amended (if necessary) and placed on the well pad, sampling frequency of the drill cuttings (to be determined by the operator) shall be representative of the material left on location. No offsite disposal of cuttings to another oil and gas location shall occur without prior approval of a Waste Management Plan (submitted via a Form 4 Sundry Notice) specifying disposal location and waste characterization method. Commercial disposal of drill cuttings will only require notification to COGCC via a Form 4 Sundry Notice.</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, storage vessel, or lined pit (only if an amended Form 2A has been submitted/approved and a Form 15 Earthen Pit Permitted has been submitted/approved) 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> <p>Potential odors associated with the completions process and/or with long term production operations must be controlled/mitigated.</p>	03/19/2015
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.	03/19/2015

OGLA	kubeczkd	<p>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 (if different than stimulation) using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).</p> <p>ROAN RIM NTO: Notice to Operators (NTO) Drilling Wells on the Roan Plateau in Garfield County: Operator shall comply with all provisions of the June 12, 2008 Notice to Operators (NTO) Drilling Wells Within <math>\frac{3}{4}</math> Mile of the Rim of the Roan Plateau in Garfield County – Pit Design, Construction, and Monitoring Requirements. At a minimum, all pits (if constructed) must be lined.</p> <p>The operator shall submit, and receive approval of, a reuse and recycling plan per Rule 907.a.(3), prior to any offsite reuse/recycling of cuttings.</p>	03/19/2015
OGLA	kubeczkd	<p>Operator must ensure secondary containment for any volume of fluids contained at well site during drilling and completion operations (as shown on the Construction Layout Drawings, facility Layout Drawing, and Location Drawing); 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 (i.e., best management practices (BMPs) associated with stormwater management) 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 after precipitation events), and maintained in good condition.</p> <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>The location is in an area of moderate to high run-on/run-off potential; therefore standard stormwater BMPs must be implemented; prior to, during, and after construction, as well as during drilling, completion, and production operations; at this location to insure compliance with CDPHE and COGCC requirements and to prevent any stormwater run-on and /or stormwater run-off.</p> <p>The nearby hillside must be monitored for any day-lighting of drilling fluids throughout the drilling of the surface casing interval.</p> <p>Berms or other containment devices shall be constructed to be sufficiently impervious (corrugated steel with poly liner) to contain any spilled or released material around permanent crude oil, condensate, and produced water storage tanks.</p>	03/19/2015

**S/A/V:** SATISFACTORY**Comment:**

**NOTICE OF CONSTRUCTION OF A NEW LOCATION OR MAJOR CHANGE [#400845392]**  
Construction of location has begun.

**CA:****Date:****Wildlife BMPs:**

BMP Type	Comment
Storm Water/Erosion Control	<ul style="list-style-type: none"> <li>Run-on protection and run-off controls will be installed prior to the beginning of construction activities, as practicable, with consideration given to worker safety and site access. Additional structural and non-structural Best Management Practices (BMPs) will likely need to be installed during and following construction.</li> <li>No stormwater run-off will be discharged to the Colorado River.</li> </ul>

Construction	<ul style="list-style-type: none"> <li>• Stockpiles for topsoil, excess cut material, and drill cuttings will be located in work areas within perimeter BMPs.</li> <li>• Stormwater BMPs will be installed per details in the Stormwater BMP manual.</li> <li>• Disturbed area of site will be left in a surface roughened condition when feasible.</li> <li>• BMPs will be protected, inspected and repaired as necessary.</li> <li>• Dust mitigation practices will be utilized.</li> <li>• 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.</li> <li>• Berms or other containment devices shall be constructed to be sufficiently impervious (corrugated steel with synthetic liner) to contain any spilled or released material around crude oil, condensate, and produced water storage tanks.</li> </ul>
General Housekeeping	<ul style="list-style-type: none"> <li>• Caerus will routinely inspect the surface pipeline to ensure integrity and conduct daily inspections of surface poly pipeline routes for leaks during active transfer of fluids. Inspections shall be conducted by viewing the length of the pipeline.</li> <li>• Caerus will comply with Rule 609 Statewide Groundwater Baseline Sampling and Monitoring</li> <li>• Caerus will comply with Rule 603.f Statewide equipment, weeds, waste, and trash requirements.</li> </ul>
Interim Reclamation	<ul style="list-style-type: none"> <li>• Top soil, where present, will be segregated from deeper soils and replaced as top soil on the final grade, a process known as live topsoil handling.</li> <li>• In all cases, temporary disturbance will be kept to an absolute minimum.</li> <li>• Equipment and materials handling will be done on established sites to reduce area and extent of soil compaction.</li> <li>• Disturbances will be reseeded as soon as practical with the recommended mix in the re-vegetation section.</li> <li>• Topsoil stockpiles will be seeded with non-invasive sterile hybrid grasses, if stored longer than one growing season.</li> <li>• Prior to delivery to the site, equipment will be cleaned of soils remaining from previous construction sites which may be contaminated with noxious weeds.</li> <li>• If working in sites with weed-seed contaminated soil, equipment will be cleaned of potentially seed-bearing soils and vegetative debris prior to moving to uncontaminated terrain.</li> </ul>
Final Reclamation	<ul style="list-style-type: none"> <li>• BMPs installed during previous phases will be maintained and repaired as necessary.</li> <li>• Surface will be stabilized with gravel when feasible</li> <li>• BMPs will be inspected.</li> <li>• Seeding and mulching or the installation of erosion control blankets will take place where applicable.</li> <li>• All non-biodegradable temporary BMPs will be removed when applicable.</li> <li>• Dust mitigation practices will be utilized.</li> </ul>
Wildlife	<ul style="list-style-type: none"> <li>• All garbage and any food items will be placed in bear proof trash containers.</li> <li>• Personnel will not feed wildlife at any time.</li> <li>• Bears will not be approached if encountered in the project area.</li> <li>• Seed mix used for interim and final reclamation is prescribed by the landowner.</li> <li>• Other considerations as described in the Wildlife Mitigation Plan with Colorado Division of Parks and Wildlife.</li> </ul>
Drilling/Completion Operations	<ul style="list-style-type: none"> <li>• Topsoil will be stockpiled as appropriate to maintain microbial viability.</li> <li>• Run-off from the facility will be controlled per Stormwater Management Plan.</li> <li>• Pooled water will be treated for mosquitoes to minimize the spread of the West Nile virus.</li> <li>• Caerus will ensure 110 percent secondary containment for any potential volume of fluids that may be released from the surface pipeline at all sensitive area crossings, including, but not limited to stream, intermittent stream, ditch, and drainage crossings.</li> </ul>
Planning	<ul style="list-style-type: none"> <li>• A stabilized staging area will be prepared.</li> <li>• Vehicle tracking pads, geotextiles, or mud mats will be installed where applicable to provide designated access into the ROW.</li> <li>• Perimeter control BMPs will be installed.</li> <li>• Access to areas that are not to be disturbed will be limited to protect the existing vegetation.</li> <li>• Dust mitigation practices will be utilized.</li> </ul>

S/A/V: \_\_\_\_\_ **Comment:** \_\_\_\_\_CA: \_\_\_\_\_ **Date:** \_\_\_\_\_**Stormwater:****Comment:** \_\_\_\_\_**Staking:**

Inspector Name: LONGWORTH, MIKE

**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:**

**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: RANGELAND

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: 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 ☐

Inspector Name: LONGWORTH, MIKE

<b>Storm Water:</b>						
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: _____						
<b>Pits:</b> <input type="checkbox"/> NO SURFACE INDICATION OF PIT						
<b><u>COGCC Comments</u></b>						
Comment					User	Date
NOTICE OF CONSTRUCTION OF A NEW LOCATION OR MAJOR CHANGE [#400845392] Construction of location has begun.					longworm	06/02/2015