

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:
08/26/2015

Document Number:
674701766

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:	<u>10456</u>
Name of Operator:	<u>CAERUS PICEANCE LLC</u>
Address:	<u>600 17TH STREET #1600N</u>
City:	<u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>

- 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
McKee, Michael		MMckee@caerusoilandgas.com	EHS Engineer
Janicek, Jake		JJanicek@caerusoilandgas.com	
Elsener, Garrett		garrett@caerusoilandgas.com	

Compliance Summary:

QtrQtr: SENV Sec: 1 Twp: 7S Range: 97W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
07/30/2015	674701659			SATISFACTORY			No
07/15/2015	674701595			SATISFACTORY			No
07/02/2015	674701593			SATISFACTORY			No
06/02/2015	674701476			SATISFACTORY			No

Inspector Comment:

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
441641	WELL	DG	07/29/2015		045-22848	Puckett SWD E1-797	WO	<input checked="" type="checkbox"/>
441642	WELL	XX	05/01/2015		045-22849	Puckett 33C-1	ND	<input checked="" type="checkbox"/>
441643	WELL	XX	05/01/2015		045-22850	Puckett 33A-1	ND	<input checked="" type="checkbox"/>
441644	WELL	XX	05/01/2015		045-22851	Puckett 22C-1	ND	<input checked="" type="checkbox"/>
441645	WELL	XX	05/01/2015		045-22852	Puckett 32A-1	ND	<input checked="" type="checkbox"/>
441646	WELL	XX	05/01/2015		045-22853	Puckett 31B-1	ND	<input checked="" type="checkbox"/>
441647	WELL	DG	08/14/2015		045-22854	Puckett 22D-1	WO	<input checked="" type="checkbox"/>
441648	WELL	XX	05/01/2015		045-22855	Puckett 31C-1	ND	<input checked="" type="checkbox"/>
441649	WELL	XX	05/01/2015		045-22856	Puckett 34A-1	ND	<input checked="" type="checkbox"/>
441650	WELL	XX	05/01/2015		045-22857	Puckett 21C-1	ND	<input checked="" type="checkbox"/>

441651	WELL	XX	05/01/2015		045-22858	Puckett 21D-1	ND	X
441652	WELL	XX	05/01/2015		045-22859	Puckett 23C-1	ND	X
441654	WELL	XX	05/01/2015		045-22860	Puckett 32C-1	ND	X
441655	WELL	XX	05/01/2015		045-22861	Puckett 22A-36	DG	X
441656	WELL	DG	07/23/2015		045-22862	Puckett 13B-1	WO	X
441657	WELL	DG	07/17/2015		045-22863	Puckett 23B-1	WO	X
441658	WELL	DG	08/03/2015		045-22864	Puckett 11C-1	WO	X
441659	WELL	XX	05/01/2015		045-22865	Puckett 21A-1	ND	X
441660	WELL	DG	08/08/2015		045-22866	Puckett 11B-1	WO	X
441661	WELL	XX	05/01/2015		045-22867	Puckett 23A-1	ND	X

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

Signs/Marker:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
DRILLING/RECOMP	SATISFACTORY			

Emergency Contact Number (S/A/V): SATISFACTORY Corrective Date: _____
 Comment: 303-330-5461
 Corrective Action: _____

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

<p>OGLA</p>	<p>kubeczkd</p>	<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>	<p>03/19/2015</p>
<p>OGLA</p>	<p>kubeczkd</p>	<p>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.</p>	<p>03/19/2015</p>
<p>OGLA</p>	<p>kubeczkd</p>	<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 ¾ 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>	<p>03/19/2015</p>

<p>OGLA</p>	<p>kubeczkd</p>	<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>	<p>03/19/2015</p>
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S/A/V: SATISFACTORY **Comment:** Cuttings in berm on west wall of location.

CA: **Date:** _____

Wildlife BMPs:

BMP Type	Comment
<p>Storm Water/Erosion Control</p>	<ul style="list-style-type: none"> • 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. • No stormwater run-off will be discharged to the Colorado River.
<p>Construction</p>	<ul style="list-style-type: none"> • Stockpiles for topsoil, excess cut material, and drill cuttings will be located in work areas within perimeter BMPs. • Stormwater BMPs will be installed per details in the Stormwater BMP manual. • Disturbed area of site will be left in a surface roughened condition when feasible. • BMPs will be protected, inspected and repaired as necessary. • Dust mitigation practices will be utilized. • 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. • 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.
<p>General Housekeeping</p>	<ul style="list-style-type: none"> • 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. • Caerus will comply with Rule 609 Statewide Groundwater Baseline Sampling and Monitoring • Caerus will comply with Rule 603.f Statewide equipment, weeds, waste, and trash requirements.

Interim Reclamation	<ul style="list-style-type: none"> • 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. • In all cases, temporary disturbance will be kept to an absolute minimum. • Equipment and materials handling will be done on established sites to reduce area and extent of soil compaction. • Disturbances will be reseeded as soon as practical with the recommended mix in the re-vegetation section. • Topsoil stockpiles will be seeded with non-invasive sterile hybrid grasses, if stored longer than one growing season. • Prior to delivery to the site, equipment will be cleaned of soils remaining from previous construction sites which may be contaminated with noxious weeds. • 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.
Final Reclamation	<ul style="list-style-type: none"> • BMPs installed during previous phases will be maintained and repaired as necessary. • Surface will be stabilized with gravel when feasible • BMPs will be inspected. • Seeding and mulching or the installation of erosion control blankets will take place where applicable. • All non-biodegradable temporary BMPs will be removed when applicable. • Dust mitigation practices will be utilized.
Wildlife	<ul style="list-style-type: none"> • All garbage and any food items will be placed in bear proof trash containers. • Personnel will not feed wildlife at any time. • Bears will not be approached if encountered in the project area. • Seed mix used for interim and final reclamation is prescribed by the landowner. • Other considerations as described in the Wildlife Mitigation Plan with Colorado Division of Parks and Wildlife.
Drilling/Completion Operations	<ul style="list-style-type: none"> • Topsoil will be stockpiled as appropriate to maintain microbial viability. • Run-off from the facility will be controlled per Stormwater Management Plan. • Pooled water will be treated for mosquitoes to minimize the spread of the West Nile virus. • 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.
Planning	<ul style="list-style-type: none"> • A stabilized staging area will be prepared. • Vehicle tracking pads, geotextiles, or mud mats will be installed where applicable to provide designated access into the ROW. • Perimeter control BMPs will be installed. • Access to areas that are not to be disturbed will be limited to protect the existing vegetation. • Dust mitigation practices will be utilized.

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: <u>441641</u>	Type: <u>WELL</u>	API Number: <u>045-22848</u>	Status: <u>DG</u>	Insp. Status: <u>WO</u>
Facility ID: <u>441642</u>	Type: <u>WELL</u>	API Number: <u>045-22849</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>441643</u>	Type: <u>WELL</u>	API Number: <u>045-22850</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>441644</u>	Type: <u>WELL</u>	API Number: <u>045-22851</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>441645</u>	Type: <u>WELL</u>	API Number: <u>045-22852</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>441646</u>	Type: <u>WELL</u>	API Number: <u>045-22853</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>441647</u>	Type: <u>WELL</u>	API Number: <u>045-22854</u>	Status: <u>DG</u>	Insp. Status: <u>WO</u>
Facility ID: <u>441648</u>	Type: <u>WELL</u>	API Number: <u>045-22855</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>441649</u>	Type: <u>WELL</u>	API Number: <u>045-22856</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>441650</u>	Type: <u>WELL</u>	API Number: <u>045-22857</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>441651</u>	Type: <u>WELL</u>	API Number: <u>045-22858</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>441652</u>	Type: <u>WELL</u>	API Number: <u>045-22859</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>441654</u>	Type: <u>WELL</u>	API Number: <u>045-22860</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>441655</u>	Type: <u>WELL</u>	API Number: <u>045-22861</u>	Status: <u>XX</u>	Insp. Status: <u>DG</u>

Well Drilling

Rig: Rig Name: H&P 330 Pusher/Rig Manager: George Urban
 Permit Posted: SATISFACTORY Access Sign: SATISFACTORY

Well Control Equipment:

Pipe Ram: _____ Blind Ram: _____ Hydril Type: _____
 Pressure Test BOP: Pass Test Pressure PSI: _____ Safety Plan: YES

Drill Fluids

Management:

Lined Pit: _____ Unlined Pit: _____ Closed Loop: YES Semi-Closed Loop: _____
 Multi-Well: YES Disposal Location: _____

Comment:

Drilling at current depth of 7670'.

Facility ID: 441656	Type: WELL	API Number: 045-22862	Status: DG	Insp. Status: WO
Facility ID: 441657	Type: WELL	API Number: 045-22863	Status: DG	Insp. Status: WO
Facility ID: 441658	Type: WELL	API Number: 045-22864	Status: DG	Insp. Status: WO
Facility ID: 441659	Type: WELL	API Number: 045-22865	Status: XX	Insp. Status: ND
Facility ID: 441660	Type: WELL	API Number: 045-22866	Status: DG	Insp. Status: WO
Facility ID: 441661	Type: WELL	API Number: 045-22867	Status: XX	Insp. Status: ND

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

Storm Water:

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Berms	Pass					
Compaction	Pass					

Inspector Name: LONGWORTH, MIKE

		Ditches	Pass			
		Culverts	Pass			
Gravel	Pass					
		Gravel	Pass			

S/A/V: SATISFACTOR
Y

Corrective Date: _____

Comment: _____

CA: _____

Pits: NO SURFACE INDICATION OF PIT