

**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:
03/31/2014

Document Number:
663902906

Overall Inspection:
Unsatisfactory

FIELD INSPECTION FORM

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	<u>435806</u>	<u>435806</u>	<u>LONGWORTH, MIKE</u>	<input type="checkbox"/>	

Operator Information:

OGCC Operator Number:	
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
Steve Schmitz		sschmitz@caerusoilandgas.com	Drilling Manager
Kellerby, Shaun		shaun.kellerby@state.co.us	
Winters, Ed		ewinters@caerusoilandgas.com	

Compliance Summary:

QtrQtr:	<u>SESE</u>	Sec:	<u>14</u>	Twp:	<u>7S</u>	Range:	<u>96W</u>
Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Unsatisfactory	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
02/05/2014	663902751			Satisfactory			No

Inspector Comment:

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
435798	WELL	DG	03/20/2014	LO	045-22297	NOLTE 44B-14	DG	<input checked="" type="checkbox"/>
435799	WELL	XX	01/10/2014	LO	045-22298	NOLTE 13B-13	ND	<input checked="" type="checkbox"/>
435800	WELL	DG	03/11/2014	LO	045-22299	NOLTE 11B-24	DG	<input checked="" type="checkbox"/>
435801	WELL	XX	01/10/2014	LO	045-22300	NOLTE 14C-13	ND	<input checked="" type="checkbox"/>
435802	WELL	XX	01/10/2014	LO	045-22301	NOLTE 44A-14	DG	<input checked="" type="checkbox"/>
435803	WELL	XX	01/10/2014	LO	045-22302	NOLTE 43C-14	ND	<input checked="" type="checkbox"/>
435804	WELL	DG	03/23/2014	LO	045-22303	NOLTE 11A-24	DG	<input checked="" type="checkbox"/>
435805	WELL	DG	03/27/2014	LO	045-22304	NOLTE 14D-13	DG	<input checked="" type="checkbox"/>
435807	WELL	XX	01/10/2014	LO	045-22305	NOLTE 13D-13	ND	<input checked="" type="checkbox"/>
435808	WELL	DG	03/15/2014	LO	045-22306	NOLTE 44C-14	DG	<input checked="" type="checkbox"/>
435809	WELL	XX	01/10/2014	LO	045-22307	NOLTE 13C-13	ND	<input checked="" type="checkbox"/>
435810	WELL	XX	01/10/2014	LO	045-22308	NOLTE 13A-13	ND	<input checked="" type="checkbox"/>
435811	WELL	XX	01/10/2014	LO	045-22309	NOLTE 43B-14	ND	<input checked="" type="checkbox"/>
435812	WELL	XX	01/10/2014	LO	045-22310	NOLTE 14A-13	ND	<input checked="" type="checkbox"/>

435813	WELL	XX	01/10/2014	LO	045-22311	NOLTE 14B-13	ND	<input checked="" type="checkbox"/>
435814	WELL	XX	01/10/2014	LO	045-22312	NOLTE 43A-14	ND	<input checked="" type="checkbox"/>
435887	WELL	DG	02/24/2014	LO	045-22315	NOLTE SWD 1-14	DG	<input checked="" type="checkbox"/>
435989	WELL	DG	03/04/2014	LO	045-22325	NOLTE 11C-24	DG	<input checked="" type="checkbox"/>

Equipment: Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>18</u>	Production Pits: _____
Condensate Tanks: <u>2</u>	Water Tanks: <u>4</u>	Separators: <u>20</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: <u>1</u>	Flare: _____	Fuel Tanks: _____

Location

Lease Road:

Type	Satisfactory/Unsatisfactory	comment	Corrective Action	Date
Access	Satisfactory			

Signs/Marker:

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
DRILLING/RECOMP	Satisfactory			

Emergency Contact Number: (S/U/V) Satisfactory

Corrective Date: _____

Comment: _____

Corrective Action: _____

Spills:

Type	Area	Volume	Corrective action	CA Date
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Multiple Spills and Releases?

Equipment:

Type	#	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Flare	1	Satisfactory			

Venting:

Yes/No	Comment

Flaring:

Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date

Predrill

Location ID: 435806

Site Preparation:

Lease Road Adeq.: _____ Pads: _____ Soil Stockpile: _____

S/U/V: _____

Corrective Action: _____ Date: _____ CDP Num.: _____

Form 2A COAs:

Group	User	Comment	Date
OGLA	kubeczkd	<p>The moisture content of any 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, if the drill cuttings are to be left 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, 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 with additional downgradient perimeter berming. The area where flowback fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material.</p>	11/27/2013
OGLA	kubeczkd	<p>Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines or buried permanent pipelines.</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 (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 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 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>Berms or other containment devices shall be constructed to be sufficiently impervious (preferably corrugated steel with poly liner) to contain any spilled or released material around crude oil, condensate, and produced water storage tanks.</p>	11/27/2013

OGLA	kubeczkd	<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. Operator shall notify the COGCC Oil and Gas Location Assessment (OGLA) Specialist for Western Colorado (Dave Kubeczko; email dave.kubeczko@state.co.us) and the COGCC Field Inspection Supervisor for Northwest Colorado (Shaun Kellerby; email shaun.kellerby@state.co.us) 48 hours prior to testing surface poly/steel or buried poly/steel pipelines.</p> <p>Operator must implement best management practices to contain any unintentional release of fluids along all portions of the surface pipeline route where temporary pumps and other necessary equipment are located.</p> <p>Operator must routinely inspect the entire length of the surface pipeline to ensure integrity. Operator shall 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; operator will endeavor to minimize surface disturbance during pipeline monitoring. The operator shall maintain records of inspections, findings and repairs, if necessary, for the life of the pits.</p> <p>Operator must 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.</p> <p>Operator will utilize, to the extent practical, all existing access and other public roads, and/or existing pipeline right-of-ways, when placing/routing the surface pipelines. This will reduce surface disturbance and fragmentation of wildlife habitat in the area.</p>	11/27/2013
OGLA	kubeczkd	<p>Notify the COGCC 48 hours prior to start of pad construction, rig mobilization, spud, and start of hydraulic stimulation operations using Form 42 (the appropriate COGCC individuals will automatically be email notified, including the LGD for hydraulic stimulation operations).</p> <p>As required for Groundwater Baseline Sampling; Operator shall comply with Rule 609. STATEWIDE GROUNDWATER BASELINE SAMPLING AND MONITORING:</p>	11/27/2013

S/U/V: Satisfactory **Comment:** Form 42 submitted for surface cementing of NOLTE 44A-14

CA:

Date:

Wildlife BMPs:

BMP Type	Comment
Construction	<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.
Storm Water/Erosion Control	<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.
Pre-Construction	<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.
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.

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.
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 bears 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.
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.

S/U/V: Unsatisfactory **Comment:** No berm around Drill cuttings. Drill cuttings are stacked up and over location berm in north west corner of location. See attached photos.

CA: Provide a berm around drill cuttings. Clean up cuttings escaping location. **Date:** 04/01/2014

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: 435798 Type: WELL API Number: 045-22297 Status: DG Insp. Status: DG

Facility ID: 435799 Type: WELL API Number: 045-22298 Status: XX Insp. Status: ND

Facility ID: 435800 Type: WELL API Number: 045-22299 Status: DG Insp. Status: DG

Facility ID: 435801 Type: WELL API Number: 045-22300 Status: XX Insp. Status: ND

Facility ID: 435802 Type: WELL API Number: 045-22301 Status: XX Insp. Status: DG

Well Drilling

Rig: Rig Name: Paterson 303 Pusher/Rig Manager: _____
 Permit Posted: Satisfactory Access Sign: Satisfactory

Well Control Equipment:

Pipe Ram: _____ Blind Ram: _____ Hydril Type: _____
 Pressure Test BOP: _____ 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:

Cement

Cement Contractor

Contractor Name: Halliburton Contractor Phone: _____

Surface Casing

Cement Volume (sx): 290 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:

Facility ID: 435803 Type: WELL API Number: 045-22302 Status: XX Insp. Status: ND

Facility ID: 435804 Type: WELL API Number: 045-22303 Status: DG Insp. Status: DG

Facility ID: 435805 Type: WELL API Number: 045-22304 Status: DG Insp. Status: DG

Facility ID: 435807 Type: WELL API Number: 045-22305 Status: XX Insp. Status: ND

Facility ID: 435808 Type: WELL API Number: 045-22306 Status: DG Insp. Status: DG

Facility ID: 435809 Type: WELL API Number: 045-22307 Status: XX Insp. Status: ND

Facility ID: <u>435810</u>	Type: <u>WELL</u>	API Number: <u>045-22308</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>435811</u>	Type: <u>WELL</u>	API Number: <u>045-22309</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>435812</u>	Type: <u>WELL</u>	API Number: <u>045-22310</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>435813</u>	Type: <u>WELL</u>	API Number: <u>045-22311</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>435814</u>	Type: <u>WELL</u>	API Number: <u>045-22312</u>	Status: <u>XX</u>	Insp. Status: <u>ND</u>
Facility ID: <u>435887</u>	Type: <u>WELL</u>	API Number: <u>045-22315</u>	Status: <u>DG</u>	Insp. Status: <u>DG</u>
Facility ID: <u>435989</u>	Type: <u>WELL</u>	API Number: <u>045-22325</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:

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	Fail	Compaction	Pass	MHSP	Fail	No berm for drill cuttings
Waddles	Pass					
Culverts	Pass	Ditches	Pass			
Compaction	Pass	Culverts	Fail			
Gravel	Pass	Sediment Traps	Pass			
Ditches	Pass	Gravel	Pass			

S/U/V: Unsatisfactory Corrective Date: 04/01/2014

Comment: Culvert at entrance is partially filled with sediment. Clean out culverts and sediment trap. Drill cuttings are stacked over location berm.

CA: Maintain BMPs and clean up cuttings escaping location.

Pits: NO SURFACE INDICATION OF PIT

Attached Documents

You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
663902907	Drill cuttings over location berm	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3311801
663902908	Closer look at mud/cuttings over the berm	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3311802