

Inspector Name: Carlile, Craig

**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:

03/18/2015

Document Number:

674002086

Overall Inspection:

SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	438862	438862	Carlile, Craig	<input type="checkbox"/>	

**Operator Information:**OGCC Operator Number: 47120Name of Operator: KERR MCGEE OIL & GAS ONSHORE LPAddress: P O BOX 173779City: DENVER State: CO Zip: 80217-

- ☐ 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
Ivan Steinke		ivan.steinke@Anadarko.com	Completion Related
Avant, Paul	(720) 929-6457	Paul.Avant@Anadarko.com	All Inspections
, Inspections		COGCCinspections@Anadarko.com	All Inspections

**Compliance Summary:**QtrQtr: SWSW Sec: 29 Twp: 2N Range: 65W**Inspector Comment:****Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
438861	WELL	DG	09/19/2014		123-40167	SUMMIT 34C-32HZ	DG	<input type="checkbox"/>
438863	WELL	DG	09/29/2014		123-40168	SUMMIT 3N-29HZ	DG	<input type="checkbox"/>
438864	WELL	DG	10/01/2014		123-40169	SUMMIT 28C-29HZ	DG	<input type="checkbox"/>
438865	WELL	DG	09/30/2014		123-40170	SUMMIT 14C-32HZ	DG	<input type="checkbox"/>
438866	WELL	DG	09/26/2014		123-40171	SUMMIT 13C-32HZ	DG	<input type="checkbox"/>
438867	WELL	DG	09/27/2014		123-40172	SUMMIT 3C-29HZ	DG	<input type="checkbox"/>
438868	WELL	DG	09/24/2014		123-40173	SUMMIT 4C-29HZ	DG	<input type="checkbox"/>
438869	WELL	DG	10/03/2014		123-40174	SUMMIT 36C-32HZ	DG	<input type="checkbox"/>
438870	WELL	DG	09/25/2014		123-40175	SUMMIT 29N-29HZ	DG	<input type="checkbox"/>
438871	WELL	DG	09/23/2014		123-40176	SUMMIT 13N-32HZ	DG	<input checked="" type="checkbox"/>
438872	WELL	DG	09/22/2014		123-40177	SUMMIT 30N-29HZ	DG	<input type="checkbox"/>
438873	WELL	DG	10/02/2014		123-40178	SUMMIT 36N-32HZ	DG	<input type="checkbox"/>
438874	WELL	DG	09/28/2014		123-40179	SUMMIT 35N-32HZ	DG	<input type="checkbox"/>

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

Inspector Name: Carlile, Craig

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>13</u>	Production Pits: _____
Condensate Tanks: _____	Water Tanks: <u>2</u>	Separators: <u>18</u>	Electric Motors: _____
Gas or Diesel Mortors: _____	Cavity Pumps: _____	LACT Unit: <u>2</u>	Pump Jacks: <u>13</u>
Electric Generators: _____	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: _____	VOC Combustor: <u>4</u>	Oil Tanks: <u>2</u>	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

### Location

Emergency Contact Number (S/A/V): SATISFACTORY

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
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### Flaring:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
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### Predrill

Location ID: 438862

### Site Preparation:

Lease Road Adeq.: \_\_\_\_\_

Pads: \_\_\_\_\_

Soil Stockpile: \_\_\_\_\_

S/A/V: \_\_\_\_\_

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

Date: \_\_\_\_\_

CDP Num.: \_\_\_\_\_

### Form 2A COAs:

S/A/V: \_\_\_\_\_ Comment: \_\_\_\_\_

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

Date: \_\_\_\_\_

### Wildlife BMPs:

BMP Type	Comment
Drilling/Completion Operations	604c.(2).I. BOPE Testing for Drilling Operations: Upon initial rig-up, BOPEs will be tested at a minimum of every 30 days.
Planning	604c.(2).Q. Guy Line Anchors: Should guy line anchors be left buried for future use, they shall be identified by a bright marker greater than four (4) feet high and no more than one (1) foot east of the guy line anchor.
Drilling/Completion Operations	604c.(2).K. Pit Level Indicators: All tanks (used in lieu of pits) contain pit level monitors with Electronic Drilling Recorders (EDR). KMG uses EDRs with pit level monitor(s) and alarm(s) for production rigs. Basic level gauges are used on tanks utilized for the surface rig.
Drilling/Completion Operations	604c.(2).L. Drill Stem Tests: No drill stem tests are planned and none will be performed without prior approval from the Director.
Drilling/Completion Operations	604c.(2).H. BOPE: Our rigs at a minimum will have a double ram with blind and pipe ram; and annular preventer.

Material Handling and Spill Prevention	604c.(2).N. Control of Fire Hazards: KMG and its contractors will employ best management practices during the drilling and production of its wells and facilities and will comply with appropriate COGCC rules concerning safety and fire. KMG will ensure that any material that might be deemed a fire hazard will remain no less than twenty-five (25) feet from the wellhead(s), tanks and separator(s).
Planning	604c.(2).V. Development From Existing Well Pads: Drilling from an existing well pad was not feasible for the development of the wells on this proposed oil and gas location; however, this well pad will be considered for future well locations.
Planning	604c.(2).R. Tank Specifications: A geosynthetic liner will be laid under the tanks on this location and a metal containment will be constructed. Storage tanks will be designed, constructed and maintained in accordance with National Fire Protection Association (NFPA) Code 30 (2008 version). KMG will maintain written records to verify proper design, construction and maintenance. All records will be available for inspection by the Director.
Final Reclamation	604c.(2).T. Well Site Cleared: The wellsite will be cleared of all non-essential equipment within ninety (90) days after all wells associated with the pad have been plugged and abandoned.
Drilling/Completion Operations	604c.(2).C. Green Completions: KMG will install Vapor Recovery Unit(s) (VRU) to prevent uncontrolled venting of flash gas. Environmental Control Devices or Volatile Organic Compound Combustors (VOC) will be used to control working and breathing vapor losses for oil and water tanks. Temporary above ground polyethylene water pipelines will deliver water to location operations from larger trunk lines to reduce truck traffic and minimize air pollution.
Community Outreach and Notification	Communication with the building unit owner to the SW of the location resulted in agreed-upon use of hay bales to damper noise during drilling and completion operations.
Planning	604c.(2).S. Access Roads: KMG will utilize a lease access road from County Road 16 for drilling operations and maintenance equipment. The road will be properly constructed and maintained to accommodate for local emergency vehicle access. Water will be placed on dirt access roads to mitigate dust as needed. If feasible, magnesium chloride will also be used as needed on access roads to further abate dust.
Material Handling and Spill Prevention	604c.(2).F. Leak Detection Plan: Automation technology will be utilized at this facility. This technology includes the use of fluid level monitoring for the tanks and produced water sumps, high-level shut offs, and electronic sensors to monitor the interstitial space of double-walled produced water sumps. All automation is monitored by Kerr-McGee's Integrated Operations Center (IOC,) which is manned 24 hours per day, 7 days per week.
Drilling/Completion Operations	604c.(2).B. Closed Loop Drilling System: KMG will use a closed loop or "pitless" system for drilling and fluid management and will not construct a reserve pit.
Planning	604c.(2).E. Multiwell Pads: In order to reduce surface impact, this application is for a thirteen-well pad.
General Housekeeping	604c.(2).P. Removal of Surface Trash: A commercial size trash bin for removing debris will be located on site. This bin will be for use by all parties affiliated with the operation.
Drilling/Completion Operations	604c.(2).J. BOPE for Well Servicing Operations: Blowout prevention equipment will be used on any servicing operations associated with this well. Backup stabbing valves will be used during any future servicing operations during reverse circulation. Valves shall be pressure tested before each well servicing operation using low-pressure air and high-pressure fluid.
Traffic control	604c.(2).D. Traffic Plan: If required by the local government, a traffic plan will be coordinated with the local jurisdiction prior to commencement of operations.
Final Reclamation	604c.(2).U. Identification of Plugged and Abandoned Wells: Pursuant to rule 319.a.(5)., once the well has been plugged and abandoned, KMG will identify the location of the wellbore with a permanent monument that will detail the well name and date of plugging.
General Housekeeping	604c.(2).O. Loadlines: All loadlines shall be bullplugged or capped.
Storm Water/Erosion Control	604c.(2).W. Site-Specific Measures: KMG maintains a Storm Water Management Plan that assesses erosion control for every KMG operated location. This location will be added to this plan once construction begins. This site will be inspected every fourteen (14) days during construction activities, every thirty (30) days after construction is completed, and after any major weather event.
Construction	604c.(2).G. Berm Construction: A geosynthetic liner will be laid under the tanks on this location and a metal containment will be constructed. Berms or other secondary containment devices will be constructed around crude oil, condensate, and produced water storage tanks and shall enclose an area sufficient to contain and provide secondary containment for 150% of the largest single tank.

Inspector Name: Carlile, Craig

Noise mitigation	604c.(2).A. Noise: Pending a safety review after construction of the location, sound mitigation barriers (hay bales) will be placed along the SW and the SE corners of the pad location to damper noise during drilling and completions to the nearby residences and to Weld County Road 16. Sound surveys that have been conducted on each rig type are utilized to anticipate any additional noise mitigation once a drilling rig is determined.
Construction	604c.(2).M. Fencing Requirements: The completed wellsites will be surrounded with a fence and gate with adequate lock to restrict access to authorized personnel only. KMG personnel will monitor the wellsites regularly upon completion of the wells. Authorized representatives and/or KMG personnel shall be on-site during drilling and completion operations.

**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: 438871 Type: WELL API Number: 123-40176 Status: DG Insp. Status: DG

### Well Stimulation

Stimulation Company: Cal Frac Stimulation Type: HYDRAULIC FRAC

Other: \_\_\_\_\_

**Observation:**

Maximum Casing Recorded: \_\_\_\_\_ PSI Tubing: \_\_\_\_\_

Surface: \_\_\_\_\_ Intermediate: \_\_\_\_\_

Production: \_\_\_\_\_ Instantaneous Shut-In Pressure (ISIP) \_\_\_\_\_

Bradenhead Psi: \_\_\_\_\_ Frac Flow Back: \_\_\_\_\_ Fluid: \_\_\_\_\_ Gas: \_\_\_\_\_

### Environmental

**Spills/Releases:**

Type of Spill: \_\_\_\_\_ Description: \_\_\_\_\_ Estimated Spill Volume: \_\_\_\_\_

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

Inspector Name: Carlile, Craig

Corrective Action: _____		Date: _____	
Reportable: _____	GPS: Lat _____	Long _____	
Proximity to Surface Water: _____		Depth to Ground Water: _____	

<b>Water Well:</b>		Lat _____	Long _____
DWR Receipt Num: _____	Owner Name: _____	GPS : _____	

<b>Field Parameters:</b>
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Sample Location: _____
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Complaint:				
Tracking Num	Category	Assigned To	Description	Incident Date
200426644	NOISE	Precup, Jim	They can hear the noise continuously.  We are getting tired of the noise. It is now 2 in the morning and all we hear is the noise from the site. We have put up with this noise since October and are getting tired of the constant noise. We moved to the country to have quiet!	03/17/2015

Emission Control Burner (ECB): _____
Comment: _____
Pilot: _____ Wildlife Protection Devices (fired vessels): _____

**Reclamation - Storm Water - Pit**

<b>Interim Reclamation:</b>	
Date Interim Reclamation Started: _____ Date Interim Reclamation Completed: _____	
Land Use: DRY LAND	
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: _____

Inspector Name: Carlile, Craig

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: DRY LAND

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

#### **COGCC Comments**

Comment	User	Date
<p>Inspection conducted in response to Complaint #: 200426644, Corresponding 18A Doc Num: 200426908</p> <p>Sound study results: A scale 46.7 Db.</p> <p>No violation of COGCC rules observed.</p> <p>Refer to inspection document number: 67400 2063 for photos of location storm water management features.</p> <p>Information from Form 18A:</p> <p>Complaint #: 200426644</p> <p>Field Inspector Assigned: Carlile, Craig</p> <p>Complaint Received:</p> <p>Date: 3/18/2015; Time: Midnight</p> <p>Contacted by Inspector: Contacted by Field Inspector Jason Gomez via Phone at 12:25 on 3/18/2015</p> <p>Facility Number: 438862</p> <p>Inspection Document #:67400 2086</p> <p>Complainant: Margaret Czajkowski Phone: 970 481-4875</p> <p>Address: 7129 Parks Lane Fort Lupton, CO 80621</p> <p>Nature of complaint: Noise</p> <p>Field Inspector Actions:</p> <p>Inspection of the location was conducted by Craig Carlile and a simultaneous sound survey was conducted by Jason Gomez.</p> <p>In discussion with operator representatives, it was agreed that operator would put signs up perimeter road signs stating: "No Oil Field Traffic" thereby restricting traffic to enter from the east via the intersection of Weld County Road 16 and Weld County Road 41.</p> <p>The lease access road has been recently graded and treated with visible and effective dust mitigation.</p> <p>It was determined that:</p> <p>This is multi-well location (13 Wells), on the date of the inspection well Summit 13N was completing the 29th of 40 stages. The frac pumps were running during the sound survey. Sound survey attached to inspection document 674002086 yielded a LEQ level of: 46.7 Decibels</p> <p>Operator is planning to continue working the wells from a west to east fashion.</p> <p>Anadarko representatives on location at the time of the inspection: Tom, Jim Stuhr, Ivan Steinke.</p> <p>COGCC Field Inspector Craig Carlile notified the Anadarko representative of the complaint and the nature of the complaint.</p> <p>Company representatives at the location have forwarded complaint information to their internal community relations group. An overnight sound study is being considered as well as various best management mitigation practices that may be employed that may be implemented.</p>	carlilec	03/18/2015

**Attached Documents**

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

Inspector Name: Carlile, Craig

Document Num	Description	URL
674002087	Sound Survey	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3571733">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3571733</a>
674002089	Exterior Site from the Southwest	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3571734">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3571734</a>
674002090	Exterior of Site from Southwest Straw Bales (zoom)	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3571735">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3571735</a>
674002091	Access road with Dust Mitigation	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3571736">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3571736</a>