

**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:  
01/14/2015Document Number:  
673801670

Overall Inspection:

**ACTION REQUIRED****FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	331483	331483	Gomez, Jason	<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
Avant, Paul	(720) 929-6457	Paul.Avant@Anadarko.com	All Inspections
, Inspections		COGCCinspections@Anadarko.com	All Inspections
Kulmann, Dave		dave.kulmann@state.co.us	

**Compliance Summary:**QtrQtr: NESE Sec: 25 Twp: 3N Range: 68W**Inspector Comment:**Jim Sthur**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
262552	WELL	PR	05/15/2007	GW	123-20759	RADEMACHER 9-25A	PR	<input checked="" type="checkbox"/>
290368	WELL	AL	07/18/2008	LO	123-25068	RADEMACHER 39-25	AL	<input type="checkbox"/>
436599	WELL	DG	06/06/2014		123-39193	BAREFOOT 32N-25HZ	DG	<input checked="" type="checkbox"/>
436703	WELL	DG	06/08/2014		123-39230	BAREFOOT 33N-25HZ	DG	<input checked="" type="checkbox"/>
436707	WELL	DG	06/07/2014		123-39233	BAREFOOT 33C-25HZ	DG	<input checked="" type="checkbox"/>
439531	SPILL OR RELEASE	AC	11/03/2014		-	SPILL/RELEASE POINT	AC	<input type="checkbox"/>

**Equipment:**Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>4</u>	Production Pits: _____
Condensate Tanks: _____	Water Tanks: _____	Separators: _____	Electric Motors: _____
Gas or Diesel Motors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: <u>3</u>
Electric Generators: _____	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: _____	VOC Combustor: _____	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

**Location**

Inspector Name: Gomez, Jason

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

NO

**Flaring:**

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

Location ID: 331483

**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
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.
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.
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.
Planning	604c.(2).R. Tank Specifications: Two 500 barrel skid-mounted frac tanks will be temporarily placed on-site for use of the pre-spud rig only. One tank will store water and the other will store water based mud.
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.
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).
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.

Inspector Name: Gomez, Jason

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.
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.
Planning	604c.(2).E. Multiwell Pads: In order to reduce surface impact, this application is for a three-well pad to be added to an existing well pad.
General Housekeeping	604c.(2).O. Loadlines: All loadlines shall be bullplugged or capped.
Planning	604c.(2).V. Development From Existing Well Pads: KMG will locate the five proposed horizontal wells on the existing well pad with location ID # 331483 to reduce the amount of surface disturbance associated with this project.
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.
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.
Storm Water/Erosion Control	604c.(2).W. Site-Specific Measures: KMG maintains a Stormwater 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.
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.
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).I. BOPE Testing for Drilling Operations: Upon initial rig-up, BOPEs will be tested at a minimum of every 30 days.
Planning	604c.(2).S. Access Roads: KMG will utilize a lease access road from Weld County Road 13 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.
Noise mitigation	604c.(2).A. Noise: Sound surveys that have been conducted on each rig type will be utilized to anticipate noise mitigation once a drilling rig is determined.
Construction	604c.(2).G. Berm Construction: Kerr-McGee will create tertiary containment by construction of a berm or diversion dike, site grading, or other comparable measures sufficient to further protect the ditch located 539' east of the proposed oil and gas location.

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

Inspector Name: Gomez, Jason

Summary of Landowner Issues:

Summary of Operator Response to Landowner Issues:

Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:

**Facility**

Facility ID: 262552 Type: WELL API Number: 123-20759 Status: PR Insp. Status: PR

**Producing Well**

Comment: PR temp SI for frac

Facility ID: 436599 Type: WELL API Number: 123-39193 Status: DG Insp. Status: DG

**Complaint**

Comment: On 1-14-2015, I was contacted by the COGCC office in reference to two loud noise complaints and vehicles tracking mud from the Barefoot locations located near the intersection of Hwy 66 and Weld County Rd 13. The complaints were documented in Form 18 doc #s 200421420 and #200421435. I contacted the two complainants and both indicated the noise they had experienced was increasingly louder on Saturday 1-10-2015. Mrs. Schreiber also complained about traffic coming off of these e locations and tracking mud onto WCR 13. After speaking to the complainants, I proceeded to perform site inspections at the following locations:  
Barefoot 30C-25HZ No activity at this location. Flow back equipment was on location but there were no active operations on location. See inspection Doc# 673801675 for further information.  
Barefoot 32N-25HZ Active frac operation at location. Upon inspection, I observed mud transferred from the location to WCR 13. I observed a vehicle tracking pad on the lease road to location but the pad had been filled in by mud and debris which allowed the mud from location to be transferred to WCR 13. Upon entering the site I observed noise mitigation to the east of the location with hay bales set up as sound mitigation. The area toward the northeast, which is toward the complainants' houses, did not have any sound mitigation set up. I performed a sound study approx 350' to the northeast of the frac operation. Results of the sound study indicated the frac operation was operating within the operational limits of the COGCC sound rules. See Inspection Doc# 673801670 for further information, results of sound study, attached photos and corrective actions of vehicle tracking issues.  
Barefoot 32C-25HZ I observed vehicles had transferred mud from this location onto WCR 13. I observed a vehicle tracking pad on the lease road to location but the pad had been filled in by mud and debris which allowed the mud from location to be transferred to WCR 13. The location had bales of hay set up to the east and the north of the location. I observed flow back operations being set up at the location and frac equipment was being removed from the location. I performed a sound study approximately 350' to the northeast of the location. Results of the sound study indicated the flow back operation was operating within the operational limits of the COGCC sound rules. See Doc# 673801665 for the results of the sound study and corrective actions of vehicle tracking issues.  
I discussed these issues with the operator and the operator agreed to install more rock in the vehicle tracking pad and the operator would have a street sweeper at location to clean any excess mud tracked onto WCR 13.

**Well Stimulation**

Stimulation Company: Halliburton

Stimulation Type: HYDRAULIC FRAC

Other:

**Observation:**

Maximum Casing Recorded: 7850 PSI

Tubing:

Surface: 0

Intermediate:

Production:

Instantaneous Shut-In Pressure (ISIP) 8800

Bradenhead Psi: 0

Frac Flow Back: Fluid: X Gas:

Facility ID: 436703 Type: WELL API Number: 123-39230 Status: DG Insp. Status: DG

**Complaint**

Comment:

Inspector Name: Gomez, Jason

**Well Stimulation**

Stimulation Company: Halliburton

Stimulation Type: HYDRAULIC FRAC

**Observation:**

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

Maximum Casing Recorded: 7800 PSI

Tubing: \_\_\_\_\_

Surface: 0

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

Production: \_\_\_\_\_

Instantaneous Shut-In Pressure (ISIP) 8800

Bradenhead Psi: 0

Frac Flow Back:

Fluid: X

Gas: \_\_\_\_\_

Facility ID: 436707

Type: WELL

API Number: 123-39233

Status: DG

Insp. Status: DG

**Complaint**

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

**Well Stimulation**

Stimulation Company: Halliburton

Stimulation Type: HYDRAULIC FRAC

**Observation:**

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

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

Tubing: \_\_\_\_\_

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

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

Production: \_\_\_\_\_

Instantaneous Shut-In Pressure (ISIP) 8800

Bradenhead Psi: \_\_\_\_\_

Frac Flow Back:

Fluid: \_\_\_\_\_

Gas: \_\_\_\_\_

**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: IRRIGATED

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: IRRIGATED \_\_\_\_\_

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 \_\_\_\_\_

Inspector Name: Gomez, Jason

Overall Final Reclamation _____		Well Release on Active Location <input type="checkbox"/>		Multi-Well Location <input type="checkbox"/>		
<b>Storm Water:</b>						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
				VT	Fail	
Berms	Pass	Gravel	Pass	CM	Pass	
				MHSP	Pass	
S/A/V: <span style="border: 1px solid red; padding: 2px;">ACTION REQUIRED</span> Corrective Date: <span style="border: 1px solid red; padding: 2px;">01/19/2015</span>						
Comment: <span style="border: 1px solid red; padding: 2px;">Veh tracking pad filled in with debris from veh traffic vehicles tracking mud debris on to WCR 13 see attached photos</span>						
CA: <span style="border: 1px solid red; padding: 2px;">Clean WRC 13 of mud and debris tracked on to road, install BMPs to control vehicle tracking of mud and debris on to WCR 13</span>						
Pits: <input checked="" type="checkbox"/> 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
673801671	Sound Study from Brefoot 32 N 25 HZ frac operation	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3533576">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3533576</a>
673801672	Veh tracking pad filled in with mud debris	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3533577">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3533577</a>
673801673	Barefoot 32N-25HZ veh tracking from location to WCR 13	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3533578">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3533578</a>

## **ACTION REQUIRED**

**ANY ACTION REQUIRED** items listed on this report indicate that the oil and gas facility or the oil and gas operations listed on the report may be in violation of the rules and regulations of the Colorado Oil and Conservation Commission (“COGCC”) and corrective action is required.

There is reasonable cause to believe that a violation of the Oil and Gas Conservation Act, or of any rule, regulation, or order of the Commission, or of any permit issued by the Commission, has occurred. The Operator’s compliance with this Inspection Report is required to resolve these alleged violations. This document requires the Operator to timely respond to the COGCC and to comply with directives as listed by the **Corrective Action Deadline Date**. Failure to do so will result in the issuance of a Notice of Alleged Violation and initiation of enforcement proceedings in which COGCC will seek monetary penalties for the alleged violations pursuant to § 34-60-121, C.R.S. and Rule 523, COGCC Rules of Practice and Procedure, 2 CCR 404-1. (Please note that the COGCC's penalty authority was recently increased to a maximum of \$15,000 per day and penalties are no longer capped at a maximum of \$10,000 per violation.)