

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:
01/14/2015

Document Number:
673801670

Overall Inspection:

ACTION REQUIRED

FIELD INSPECTION FORM

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	<u>331483</u>	<u>331483</u>	<u>Gomez, Jason</u>	<input type="checkbox"/>	

Operator Information:

OGCC Operator Number: 47120

Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP

Address: P O BOX 173779

City: 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 Mortors: _____	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
<input type="checkbox"/> Multiple Spills and Releases?				

Venting:

Yes/No	Comment
NO	

Flaring:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

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.

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/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: 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: _____

Well Stimulation

Stimulation Company: Halliburton Stimulation Type: HYDRAULIC FRAC

Other: _____

Observation:

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

Other: _____

Observation:

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 _____

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
				VT	Fail	
Berms	Pass	Gravel	Pass	CM	Pass	
				MHSP	Pass	

S/A/V: **ACTION REQUIRED** Corrective Date: **01/19/2015**

Comment: Veh tracking pad filled in with debris from veh traffic vehicles tracking mud debris on to WCR 13 see attached photos

CA: 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

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
673801671	Sound Study from Brefoot 32 N 25 HZ frac operation	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3533576
673801672	Veh tracking pad filled in with mud debris	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3533577
673801673	Barefoot 32N-25HZ veh tracking from location to WCR 13	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3533578

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.)