

**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



Inspection Date:

08/23/2016

Document Number:

681901333

Overall Inspection:

SATISFACTORY

**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	443538	336284	HELGELAND, GARY	<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
		COGCCinspections@anadarko.com	All Inspections

**Compliance Summary:**

QtrQtr: NENW Sec: 8 Twp: 1N Range: 66W

**Inspector Comment:**

**Wells are staked but not drilled on a producing location.**

**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
243400	WELL	PR	04/25/1997	GW	123-11191	ADAM GABLE GU TRUE 1	PR	<input type="checkbox"/>
266049	WELL	PR	12/22/2008	GW	123-21320	GREENS FEDERAL 5-8A	PR	<input type="checkbox"/>
266055	WELL	PR	01/16/2011	GW	123-21318	WETHINGTON 1-7A	PR	<input type="checkbox"/>
443535	WELL	XX	10/12/2015	LO	123-42271	FL GREENS 35C-8HZ	XX	<input checked="" type="checkbox"/>
443536	WELL	XX	10/12/2015	LO	123-42272	FL GREENS 14N-8HZ	XX	<input checked="" type="checkbox"/>
443537	WELL	XX	10/12/2015	LO	123-42273	FL GREENS FEDERAL 4N-5HZ	XX	<input checked="" type="checkbox"/>
443538	WELL	XX	10/12/2015	LO	123-42274	FL GREENS 28C-5HZ	XX	<input checked="" type="checkbox"/>
443539	WELL	XX	10/12/2015	LO	123-42275	FL GREENS FEDERAL 35N-8HZ	XX	<input checked="" type="checkbox"/>
443540	WELL	XX	10/12/2015	LO	123-42276	FL GREENS FEDERAL 13N-8HZ	XX	<input checked="" type="checkbox"/>
443541	WELL	XX	10/12/2015	LO	123-42277	FL GREENS 29C-5HZ	XX	<input checked="" type="checkbox"/>
443542	WELL	XX	10/12/2015	LO	123-42278	FL GREENS FEDERAL 30C-5HZ	XX	<input checked="" type="checkbox"/>

443543	WELL	XX	10/12/2015	LO	123-42279	FL GREENS FEDERAL 13C-8HZ	XX	<input checked="" type="checkbox"/>
443544	WELL	XX	10/12/2015	LO	123-42280	FL GREENS 3N-5HZ	XX	<input checked="" type="checkbox"/>
443545	WELL	XX	10/12/2015	LO	123-42281	FL GREENS FEDERAL 30N-5HZ	XX	<input checked="" type="checkbox"/>

**Equipment:** Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>14</u>	Production Pits: _____
Condensate Tanks: <u>1</u>	Water Tanks: <u>3</u>	Separators: <u>14</u>	Electric Motors: _____
Gas or Diesel Mortors: _____	Cavity Pumps: _____	LACT Unit: <u>2</u>	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: _____	Flare: _____	Fuel Tanks: _____

**Location**

Emergency Contact Number (S/AR): SATISFACTORY Corrective Date: \_\_\_\_\_

Comment: Signs on producing wells and battery are adequate.

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

**Spills:**

Type	Area	Volume	Corrective action	CA Date
<input type="checkbox"/> Multiple Spills and Releases?				

**Tanks and Berms:**  New Tank Tank ID: \_\_\_\_\_

Contents	#	Capacity	Type	SE GPS

S/AR \_\_\_\_\_ Comment: Refer to inspection # 681901332 for information concerning shared battery and equipment.

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

**Paint**

Condition \_\_\_\_\_

Other (Content) \_\_\_\_\_

Other (Capacity) \_\_\_\_\_

Other (Type) \_\_\_\_\_

**Berms**

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance

Corrective Action \_\_\_\_\_ Corrective Date \_\_\_\_\_

Comment \_\_\_\_\_

**Venting:**

Yes/No	_____
Comment	_____

**Flaring:**

Type	_____	Satisfactory/Action Required	_____
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Comment:			
Corrective Action:		Correct Action Date:	

**Predrill**

Location ID: 443538  
 Lease Road Adeq.: \_\_\_\_\_ Pads: \_\_\_\_\_ Soil Stockpile: \_\_\_\_\_  
 S/AR: \_\_\_\_\_  
 Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_ CDP Num.: \_\_\_\_\_

**Form 2A COAs:**

S/AR: \_\_\_\_\_ Comment:   
 CA:  Date: \_\_\_\_\_

**Wildlife BMPs:**

BMP Type	Comment
Community Outreach and Notification	As a part of planning this proposed location, Kerr-McGee held multi-disciplinary Surface Impact Planning Meetings regarding the impacts and mitigations associated with this proposed location. The toll-free hotline number and email for the Anadarko Colorado Response Line will be posted at the entrance to the lease access road for stakeholders during drilling and completion operations at this proposed location. Courtesy Notifications will be sent to impacted stakeholders prior to drilling operations and again prior to completions operations, providing contact information for the Anadarko Colorado Response Line and online resources.
Planning	Screening - Fencing with Privacy Skirting – After drilling and completions the well heads and production facilities will be enclosed on all sides by a 6 foot tall chain-link fence topped with 3 strands of barbed wire sloping outward at approximately 45 degrees for 18 inches from the top of the fence. Due to proximity to residential areas screening will be provided with privacy skirting attached to the fence to provide a visual buffer.
Planning	604c.(2).V. Development From Existing Well Pads: KMG will locate the 11 proposed horizontal wells on the existing well pad with location ID #336284 to reduce the amount of surface disturbance associated with this project.
General Housekeeping	604c.(2).O. Loadlines: All loadlines shall be bullplugged or capped.
Noise mitigation	604c.(2).A. Noise: During drilling and completions a 6 foot tall berm (along the west side of the drilling pad) with 12 feet tall straw bales will be placed along the north, west and south sides of the drilling pad during drilling operations to provide visual screening and aid in noise reduction. While drilling the wells, the operator will adjust the orientation of the rig to minimize noise toward the north and westerly direction (adjacent residential areas). Additionally, portable source sound panels will be utilized adjacent to the drilling equipment to mitigate noise and assure compliance with the COGCC guidelines.
Drilling/Completion Operations	803. Lighting: To the extent practicable, site lighting shall be directed downward and inward and shielded so as to avoid glare on public roads and Building Units within one thousand (1000) feet.
Dust control	805.c. Dust: 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.
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.
Drilling/Completion Operations	604c.(2).C. Green Completions: 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.
Emissions mitigation	604c.(2).C. Green Completions: Temporary above ground polyethylene water pipelines will deliver water to location operations from larger trunk lines to reduce truck traffic and minimize air pollution. Pipeline infrastructure is in place prior to completions operations to ensure saleable gas, once hydrocarbons are cut, is sent directly to sales without flaring during flowback.

Planning	604c.(2).E. Multi-Well Pads: In order to reduce surface impact, this application is for a 11-well pad.
Planning	604c.(2).S. Access Roads: KMG will utilize a lease access road from CR 12 for drilling and production operations and maintenance equipment. The road will be properly constructed and maintained to accommodate for local emergency vehicle access.
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.
Community Outreach and Notification	305.a.(2) A Notice of Intent to Conduct Operations was sent to each building unit owner within the Exception Zone or Buffer Zone Setback. Recipients did not contact KMG.
Community Outreach and Notification	Anadarko/Kerr McGee manages an 800 phone number to address questions, comments or concerns related to oil and gas operations. This line is instrumental in maintaining our Social License to Operate in the communities where we work.
Drilling/Completion Operations	Anti-Collision: Kerr-McGee will perform an anti-collision evaluation of all active (producing, shut in, or temporarily abandoned) offset wellbores that have the potential of being within one hundred fifty (150) feet of a proposed well prior to drilling operations for the proposed well. Notice shall be given to all offset operators within one hundred fifty (150) feet prior to drilling.
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).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.
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.
Drilling/Completion Operations	Kerr McGee acknowledges and will comply with the COGCC Policy for Bradenhead Monitoring during Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012.
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.
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.
Community Outreach and Notification	KMG will hold a community forum for neighbors and community members to share information about planned operations. This forum is an open house style gathering with subject matter experts on hand to answer questions about oil and gas.
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.
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.
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 twenty-eight (28) days after construction is completed, and after any major weather event.
Drilling/Completion Operations	317.p Logging Program: One of the first wells drilled on the pad will be logged with Cased-hole Pulsed Neutron Log with Gamma Ray Log from TD into the surface casing. All wells on the pad will have a cement bond log with gamma-ray run on production casing (or on intermediate casing if production liner is run) into the surface casing. The horizontal portion of every well will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, for each well on the pad will list all logs run in that well and have those logs attached. The Form 5 for each well shall clearly state "No open-hole logs were run" and shall reference the Rule 317.p Exception granted for the well.

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.
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).H. BOPE: Our rigs at a minimum will have a double ram with blind and pipe ram and annular preventer.
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.
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.
Traffic control	604c.(2).D. Traffic Plan: Access to the facilities (wells and production facility) will be from the existing lease access road off of Kahil Street (WCR 12). During school hours and when equipment is being moved on and off the site during construction, drilling and completions activities, safety flaggers will be provided to direct traffic onto the WCR 12 to minimize potential conflict. Additionally, signage will be provided to direct all oil field truck traffic east on Kahil Street (WCR 12).
Storm Water/Erosion Control	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 0' and immediately adjacent to this proposed oil and gas location.
Planning	When practical lighting will be shielded and turned inward towards the rig, completions operations and STIM center, to minimize disturbance to existing structures or public roadways.
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.

**S/AR:** \_\_\_\_\_ **Comment:** \_\_\_\_\_

**CA:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**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: 443535 Type: WELL API Number: 123-42271 Status: XX Insp. Status: XX

**Producing Well**

Comment: Wells are staked but not drilled on a producing location

**BradenHead**

Comment: Wells are staked but not drilled therefore there is no bradenhead.

CA:

CA Date:

Facility ID: 443536 Type: WELL API Number: 123-42272 Status: XX Insp. Status: XX

**Producing Well**

Comment: Wells are staked but not drilled on a producing location

**BradenHead**

Comment: Wells are staked but not drilled therefore there is no bradenhead.

CA:

CA Date:

Facility ID: 443537 Type: WELL API Number: 123-42273 Status: XX Insp. Status: XX

**Producing Well**

Comment: Wells are staked but not drilled on a producing location

**BradenHead**

Comment: Wells are staked but not drilled therefore there is no bradenhead.

CA:

CA Date:

Facility ID: 443538 Type: WELL API Number: 123-42274 Status: XX Insp. Status: XX

**Producing Well**

Comment: Wells are staked but not drilled on a producing location

**BradenHead**

Comment: Wells are staked but not drilled therefore there is no bradenhead.

CA:

CA Date:

Facility ID: 443539 Type: WELL API Number: 123-42275 Status: XX Insp. Status: XX

**Producing Well**

Comment: Wells are staked but not drilled on a producing location

**BradenHead**

Comment: Wells are staked but not drilled therefore there is no bradenhead.

CA:

CA Date:

Facility ID: 443540 Type: WELL API Number: 123-42276 Status: XX Insp. Status: XX

**Producing Well**

Comment: Wells are staked but not drilled on a producing location

**BradenHead**

Comment: Wells are staked but not drilled therefore there is no bradenhead.

CA:

CA Date:

Facility ID: 443541 Type: WELL API Number: 123-42277 Status: XX Insp. Status: XX

**Producing Well**

Comment: Wells are staked but not drilled on a producing location

**BradenHead**

Comment: Wells are staked but not drilled therefore there is no bradenhead.

CA:

CA Date:

Facility ID: 443542 Type: WELL API Number: 123-42278 Status: XX Insp. Status: XX

**Producing Well**

Comment: Wells are staked but not drilled on a producing location

**BradenHead**

Comment: Wells are staked but not drilled therefore there is no bradenhead.

CA:

CA Date:

Facility ID: 443543 Type: WELL API Number: 123-42279 Status: XX Insp. Status: XX

**Producing Well**

Comment: Wells are staked but not drilled on a producing location

**BradenHead**

Comment: Wells are staked but not drilled therefore there is no bradenhead.

CA:

CA Date:

Facility ID: 443544 Type: WELL API Number: 123-42280 Status: XX Insp. Status: XX

**Producing Well**

Comment: Wells are staked but not drilled on a producing location

**BradenHead**

Comment: Wells are staked but not drilled therefore there is no bradenhead.

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

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

Facility ID: 443545 Type: WELL API Number: 123-42281 Status: XX Insp. Status: XX

**Producing Well**

Comment: Wells are staked but not drilled on a producing location

**BradenHead**

Comment: Wells are staked but not drilled therefore there is no bradenhead.

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

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

**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): Y \_\_\_\_\_

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

Pilot: ON \_\_\_\_\_ Wildlife Protection Devices (fired vessels): YES \_\_\_\_\_

**Reclamation - Storm Water - Pit**

**Interim Reclamation:**

Date Interim Reclamation Started: \_\_\_\_\_ Date Interim Reclamation Completed: \_\_\_\_\_

Land Use: IRRIGATED

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

1003a. Waste and Debris removed? Pass \_\_\_\_\_

CM \_\_\_\_\_

CA \_\_\_\_\_ CA Date \_\_\_\_\_

Unused or unneeded equipment onsite? Pass

CM \_\_\_\_\_

CA \_\_\_\_\_ CA Date \_\_\_\_\_

Pit, cellars, rat holes and other bores closed? Pass

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 Pass Recontoured Pass 80% Revegetation In

1003 f. Weeds Noxious weeds? \_\_\_\_\_

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

Overall Interim Reclamation In Process

**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

<b>Storm Water:</b>						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
		Gravel	Pass			

S/A/V: SATISFACTORY Corrective Date: \_\_\_\_\_

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

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

**Pits:**  NO SURFACE INDICATION OF PIT