

**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:

06/28/2016

Document Number:

681901072

Overall Inspection:

SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	436831	436829	HELGELAND, GARY	<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
		COGCCinspections@anadarko.com	All Inspections

Compliance Summary:QtrQtr: SESW Sec: 33 Twp: 2N Range: 67W**Inspector Comment:****Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
436828	WELL	PR	10/01/2015	OW	123-39280	TROUDT 36N-33HZ	PR	<input checked="" type="checkbox"/>
436830	WELL	PR	10/01/2015	OW	123-39281	TROUDT 35C-33HZ	PR	<input checked="" type="checkbox"/>
436831	WELL	PR	10/01/2015	OW	123-39282	TROUDT 14C-33HZ	PR	<input checked="" type="checkbox"/>
436832	WELL	PR	10/01/2015	OW	123-39283	TROUDT 13N-33HZ	PR	<input checked="" type="checkbox"/>
436833	WELL	DG	03/20/2015	LO	123-39284	TROUDT 34C-33HZ	DG	<input checked="" type="checkbox"/>
436834	WELL	PR	10/01/2015	OW	123-39285	TROUDT 14N-33HZ	PR	<input checked="" type="checkbox"/>

Equipment:**Location Inventory**

Special Purpose Pits: _____	Drilling Pits: _____	Wells: <u>6</u>	Production Pits: _____
Condensate Tanks: _____	Water Tanks: _____	Separators: _____	Electric Motors: _____
Gas or Diesel Motors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: <u>6</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

Lease Road:				
Type	Satisfactory/Action Required	comment	Corrective Action	Date

Signs/Marker:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
BATTERY	SATISFACTORY			
TANK LABELS/PLACARDS	SATISFACTORY			
WELLHEAD	SATISFACTORY			

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

Comment:

Corrective Action:

Good Housekeeping:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

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

Fencing/:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
TANK BATTERY	SATISFACTORY	PANEL		
WELLHEAD	SATISFACTORY	PANEL		

Equipment:				
Type: Horizontal Heater Treater	# 2	Satisfactory/Action Required:	SATISFACTORY	
Comment				
Corrective Action				Date:
Type: Bird Protectors	# 8	Satisfactory/Action Required:	SATISFACTORY	
Comment				
Corrective Action				Date:
Type: Vertical Separator	# 2	Satisfactory/Action Required:	SATISFACTORY	
Comment				
Corrective Action				Date:
Type: Gas Meter Run	# 2	Satisfactory/Action Required:	SATISFACTORY	
Comment				
Corrective Action				Date:
Type: VRU	# 2	Satisfactory/Action Required:	SATISFACTORY	
Comment				

Corrective Action		Date:
Type: Emission Control Device	# 1	Satisfactory/Action Required: SATISFACTORY
Comment		
Corrective Action		Date:
Type: Horizontal Heated Separator	# 7	Satisfactory/Action Required: SATISFACTORY
Comment		
Corrective Action		Date:
Type: LACT	# 1	Satisfactory/Action Required: SATISFACTORY
Comment		
Corrective Action		Date:

Facilities: ☐ New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
CRUDE OIL	1	300 BBLs	STEEL AST	40.087870,-104.892143

S/AR	SATISFACTORY	Comment:
Corrective Action:	Corrective Date:	

Paint

Condition	Adequate
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Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate

Corrective Action	Corrective Date
Comment	

Facilities: ☐ New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	2	OTHER	PBV FIBERGLASS	,

S/AR	SATISFACTORY	Comment:
Corrective Action:	Corrective Date:	

Paint

Condition	Adequate
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Other (Content) _____

Other (Capacity) 210 BBL _____

Other (Type) _____

Berms

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance

Corrective Action	Corrective Date
-------------------	-----------------

Comment	
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Venting:

Yes/No	NO
Comment	

Flaring:

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

Predrill

Location ID: 436831

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

S/AR: _____

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

Form 2A COAs:

Group	User	Comment	Date
OGLA	deranleg	Per documents submitted, Operator will not dispose cuttings onsite.	02/21/2014

S/AR: _____ **Comment:** _____

CA: _____ **Date:** _____

Wildlife BMPs:

BMP Type	Comment
Planning	<p>604c.(2).W. Site-Specific Measures: KMG maintains a Stormwater Management Plan that assesses erosion control for every KMG operated location. This well pad will be added to this plan once construction begins. This plan is updated every fourteen (14) days and after any major weather event.</p> <p>Community Outreach and Notification: Kerr-McGee hosted a neighborhood meeting on October 29th, 2013. KMG representatives answered questions related to the project and have communicated answers to follow-up questions after the meeting. Property owners were assured they could contact KMG representatives throughout the construction process.</p> <p>A building unit owner located 926' from the nearest well on this oil and gas location attended the neighborhood meeting mentioned above and expressed concerns about noise, light, dust and access routes related to activities on this pad. KMG committed to the following mitigation measures to reduce the potential impacts on this owner:</p> <p>Noise: Hay bales will be placed along the southern and western edges of the pad location to damper noise and visual impacts to the building unit. Noise mitigation measures are not feasible on the property of the building unit owner due to proximity of the building unit to WCR 14.</p> <p>Light: All lights on site will be downcast toward our operations area and wells only.</p> <p>Dust: Magnesium chloride will be applied to roads as needed to suppress dust. Roads will also be bladed and improved as necessary.</p> <p>Access: The majority of traffic and the primary access route will utilize CR 19 to CR 14; however, some traffic may use CR 17 or HWY 52 by necessity.</p>
Noise mitigation	<p>604c.(2).A. Noise: Sound mitigation barriers (hay bales) will be placed along the southern and western sides of the pad location to damper noise during drilling and completions to the nearby residence and to Weld County Road 14.</p> <p>Sound surveys that have been conducted on each rig type are utilized to anticipate any additional noise mitigation once a drilling rig is determined.</p>

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 gages are used on tanks utilized for the surface rig.
Planning	<p>604c.(2).W. Site-Specific Measures: KMG maintains a Stormwater Management Plan that assesses erosion control for every KMG operated location. This well pad will be added to this plan once construction begins. This plan is updated every fourteen (14) days and after any major weather event.</p> <p>Community Outreach and Notification: Kerr-McGee hosted a neighborhood meeting on October 29th, 2013. KMG representatives answered questions related to the project and have communicated answers to follow-up questions after the meeting. Property owners were assured they could contact KMG representatives throughout the construction process.</p> <p>A building unit owner located 926' from the nearest well on this oil and gas location attended the neighborhood meeting mentioned above and expressed concerns about noise, light, dust and access routes related to activities on this pad. KMG committed to the following mitigation measures to reduce the potential impacts on this owner:</p> <p>Noise: Hay bales will be placed along the southern and western edges of the pad location to damper noise and visual impacts to the building unit. Noise mitigation measures are not feasible on the property of the building unit owner due to proximity of the building unit to WCR 14.</p> <p>Light: All lights on site will be downcast toward our operations area and wells only.</p> <p>Dust: Magnesium chloride will be applied to roads as needed to suppress dust. Roads will also be bladed and improved as necessary.</p> <p>Access: All haul routes related to the project will utilize Weld County Road 14 and will come off of Weld County Road 17.</p>
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.
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.
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.
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).I. BOPE Testing for Drilling Operations: Upon initial rig-up, BOPEs will be tested at a minimum of every 30 days.
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.
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.
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).
General Housekeeping	604c.(2).O. Loadlines: All loadlines shall be bullplugged or capped.
Planning	604c.(2).E. Multiwell Pads: In order to reduce surface impact, this 2A application is for a six-well pad.
Planning	604c.(2).V. Development From Existing Well Pads: Drilling from an existing well pad was not feasible for the development of these wells; however, this well pad will be considered for future well locations.
Planning	<p>604c.(2).S. Access Roads: KMG will utilize a lease access road from Weld County Road 14 for drilling operations and maintenance equipment. The road will be properly constructed and maintained to accommodate for local emergency vehicle access.</p> <p>Water will be placed on dirt access roads to mitigate dust. Magnesium chloride will be used as needed on access roads to further abate dust.</p>

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Traffic control	604c.(2).D. Traffic Plan: 604c.(2).D. Traffic Plan: A traffic plan will be coordinated with the Town of Fredrick prior to commencement of operations.
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).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.
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).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).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 325' south of the oil and gas location.

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: 436828 Type: WELL API Number: 123-39280 Status: PR Insp. Status: PR

Producing Well

Comment: PR

BradenHead

Comment: Bradenhead is plumed to surface.

CA: _____

CA Date: _____

Facility ID: 436830 Type: WELL API Number: 123-39281 Status: PR Insp. Status: PR

Producing WellComment: **PR****BradenHead**Comment: **Bradenhead is plumed to surface.**

CA:

CA Date:

Facility ID: 436831 Type: WELL API Number: 123-39282 Status: PR Insp. Status: PR**Producing Well**Comment: **PR****BradenHead**Comment: **Bradenhead is plumed to surface.**

CA:

CA Date:

Facility ID: 436832 Type: WELL API Number: 123-39283 Status: PR Insp. Status: PR**Producing Well**Comment: **PR****BradenHead**Comment: **Bradenhead is plumed to surface.**

CA:

CA Date:

Facility ID: 436833 Type: WELL API Number: 123-39284 Status: DG Insp. Status: DG**Producing Well**Comment: **PR****BradenHead**Comment: **Bradenhead is plumed to surface.**

CA:

CA Date:

Facility ID: 436834 Type: WELL API Number: 123-39285 Status: PR Insp. Status: PR**Producing Well**Comment: **PR****BradenHead**Comment: **Bradenhead is plumed to surface.**

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:

DWR Receipt Num: _____ Owner Name: _____ GPS : _____ Lat _____ Long _____

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: DRY LAND

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 ? Pass

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? Pass Segregated soils have been replaced? _____

RESTORATION AND REVEGETATION

Cropland

Top soil replaced Pass Recontoured Pass Perennial forage re-established In

Non-Cropland

Top soil replaced _____ Recontoured _____ 80% Revegetation _____

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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: 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
Gravel	Pass	Gravel	Pass			

S/A/V: SATISFACTOR
Y _____

Corrective Date: _____

Comment: _____

CA: _____

Pits: ☒ NO SURFACE INDICATION OF PIT