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: 04/02/2015

Document Number: 674002100

Overall Inspection: SATISFACTORY

FIELD INSPECTION FORM

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	438873	438862	Carlile, Craig	☐	

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

Compliance Summary:

QtrQtr: SESW 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	☒
438863	WELL	DG	09/29/2014		123-40168	SUMMIT 3N-29HZ	DG	☒
438864	WELL	DG	10/01/2014		123-40169	SUMMIT 28C-29HZ	DG	☒
438865	WELL	DG	09/30/2014		123-40170	SUMMIT 14C-32HZ	DG	☒
438866	WELL	DG	09/26/2014		123-40171	SUMMIT 13C-32HZ	DG	☒
438867	WELL	DG	09/27/2014		123-40172	SUMMIT 3C-29HZ	DG	☒
438868	WELL	DG	09/24/2014		123-40173	SUMMIT 4C-29HZ	DG	☒
438869	WELL	DG	10/03/2014		123-40174	SUMMIT 36C-32HZ	DG	☒
438870	WELL	DG	09/25/2014		123-40175	SUMMIT 29N-29HZ	DG	☒
438871	WELL	DG	09/23/2014		123-40176	SUMMIT 13N-32HZ	DG	☒
438872	WELL	DG	09/22/2014		123-40177	SUMMIT 30N-29HZ	DG	☒
438873	WELL	DG	10/02/2014		123-40178	SUMMIT 36N-32HZ	DG	☒
438874	WELL	DG	09/28/2014		123-40179	SUMMIT 35N-32HZ	DG	☒

Equipment: Location Inventory

Inspector Name: Carlile, Craig

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

Location

Signs/Marker:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
DRILLING/RECOMP	SATISFACTORY			

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

Comment:

Corrective Action:

Spills:				
Type	Area	Volume	Corrective action	CA Date

☐ Multilple Spills and Releases?

Equipment:					
Type	#	Satisfactory/Action Required	Comment	Corrective Action	CA Date
Other	1	SATISFACTORY	Frack crew		

Facilities: ☐ New Tank Tank ID:

Contents	#	Capacity	Type	SE GPS
				,

S/A/V:		Comment:	Under construction to the south of wells.		
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

Inspector Name: Carlile, Craig

Flaring:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Predrill

Location ID: 438873

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.
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/A/V: _____ **Comment:**

CA: **Date:**

Stormwater:

Comment:

Staking:

On Site Inspection (305):

Surface Owner Contact Information:

Name: Address:

Inspector Name: Carlile, Craig

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: 438861 Type: WELL API Number: 123-40167 Status: DG Insp. Status: DG

Idle Well

Purpose: [X] Shut In [ ] Temporarily Abandoned Reminder:

S/A/V: SATISFACTORY CA Date:

CA:

Comment: Recently fractured awaiting drillout and completion.

Facility ID: 438863 Type: WELL API Number: 123-40168 Status: DG Insp. Status: DG

Idle Well

Purpose: [X] Shut In [ ] Temporarily Abandoned Reminder:

S/A/V: CA Date:

CA:

Comment: Recently fractured awaiting drillout and completion.

Facility ID: 438864 Type: WELL API Number: 123-40169 Status: DG Insp. Status: DG

Idle Well

Purpose: [X] Shut In [ ] Temporarily Abandoned Reminder:

S/A/V: CA Date:

CA:

Comment: Recently fractured awaiting drillout and completion.

Facility ID: 438865 Type: WELL API Number: 123-40170 Status: DG Insp. Status: DG

Well Stimulation

Stimulation Company: Cal Frac Stimulation Type: HYDRAULIC FRAC

Observation: Other:

Maximum Casing Recorded: PSI Tubing:

Surface: Intermediate:

Production: Instantaneous Shut-In Pressure (ISIP):

Bradenhead Psi: Frac Flow Back: Fluid: Gas:

Facility ID: 438866 Type: WELL API Number: 123-40171 Status: DG Insp. Status: DG

Idle Well

Purpose: [X] Shut In [ ] Temporarily Abandoned Reminder:
S/A/V: SATISFACTORY CA Date:
CA:
Comment: Recently fractured awaiting drillout and completion.

Facility ID: 438867 Type: WELL API Number: 123-40172 Status: DG Insp. Status: DG

Idle Well

Purpose: [X] Shut In [ ] Temporarily Abandoned Reminder:
S/A/V: CA Date:
CA:
Comment: Recently fractured awaiting drillout and completion.

Facility ID: 438868 Type: WELL API Number: 123-40173 Status: DG Insp. Status: DG

Idle Well

Purpose: [X] Shut In [ ] Temporarily Abandoned Reminder:
S/A/V: CA Date:
CA:
Comment: Recently fractured awaiting drillout and completion.

Facility ID: 438869 Type: WELL API Number: 123-40174 Status: DG Insp. Status: DG

Well Stimulation

Stimulation Company: Cal Frac Stimulation Type: HYDRAULIC FRAC
Observation: Other:
Maximum Casing Recorded: PSI Tubing:
Surface: Intermediate:
Production: Instantaneous Shut-In Pressure (ISIP):
Bradenhead Psi: Frac Flow Back: Fluid: Gas:

Facility ID: 438870 Type: WELL API Number: 123-40175 Status: DG Insp. Status: DG

Idle Well

Purpose: [X] Shut In [ ] Temporarily Abandoned Reminder:
S/A/V: CA Date:
CA:
Comment: Recently fractured awaiting drillout and completion.

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

Idle Well

Purpose: [ ] Shut In [ ] Temporarily Abandoned Reminder:
S/A/V: SATISFACTORY CA Date:
CA:
Comment: Recently fractured awaiting drillout and completion.

Inspector Name: Carlile, Craig

Facility ID: 438872 Type: WELL API Number: 123-40177 Status: DG Insp. Status: DG

Idle Well

Purpose: [X] Shut In [ ] Temporarily Abandoned Reminder:

S/A/V: SATISFACTORY CA Date:

CA:

Comment: Recently fractured awaiting drillout and completion.

Facility ID: 438873 Type: WELL API Number: 123-40178 Status: DG Insp. Status: DG

Well Stimulation

Stimulation Company: Cal Frac Stimulation Type: HYDRAULIC FRAC

Observation: Other:

Maximum Casing Recorded: PSI Tubing:

Surface: Intermediate:

Production: Instantaneous Shut-In Pressure (ISIP):

Bradenhead Psi: Frac Flow Back: Fluid: Gas:

Facility ID: 438874 Type: WELL API Number: 123-40179 Status: DG Insp. Status: DG

Idle Well

Purpose: [X] Shut In [ ] Temporarily Abandoned Reminder:

S/A/V: SATISFACTORY CA Date:

CA:

Comment: Recently fractured awaiting drillout and completion.

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:

Inspector Name: Carlile, Craig

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: _____

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 _____

Cropland: perennial forage _____

Inspector Name: Carlile, Craig

Non cropland: Revegetated 80% _____

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			VT	Pass	
Berms	Pass					

S/A/V: SATISFACTORY Corrective Date: _____

Comment:

CA:

Pits: ☐ NO SURFACE INDICATION OF PIT

COGCC Comments

Comment	User	Date
See attachments for sound study, additional commnets and photos of location.	carlilec	04/02/2015

Attached Documents

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

Document Num	Description	URL
674002101	Sound Study Report	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3582614
674002102	Inspection Comments and Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3582615