

**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
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Inspection Date:

04/09/2015

Document Number:

674102208

Overall Inspection:

SATISFACTORY**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	438862	438862	Rickard, Jeff	<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
Reddy, Luke		luke.reddy@anadarko.com	All inspections
Avant, Paul		Paul.Avant@Anadarko.com	Anadarko Inspections
Kulmann, Dave		dave.kulmann@state.co.us	
, General		COGCCinspections@Anadarko.com	All Inspections, send to Paul Avant as well

Compliance Summary:QtrQtr: SWSW Sec: 29 Twp: 2N Range: 65W

Insp. Date	Doc Num	Insp. Type	Insp Status	Satisfactory /Action Required	PA P/F/I	Pas/Fail (P/F)	Violation (Y/N)
03/18/2015	673801896			SATISFACTORY			No
03/18/2015	674002086			SATISFACTORY			No

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	WO	<input checked="" type="checkbox"/>
438863	WELL	DG	09/29/2014		123-40168	SUMMIT 3N-29HZ	WO	<input checked="" type="checkbox"/>
438864	WELL	DG	10/01/2014		123-40169	SUMMIT 28C-29HZ	WO	<input checked="" type="checkbox"/>
438865	WELL	DG	09/30/2014		123-40170	SUMMIT 14C-32HZ	WO	<input checked="" type="checkbox"/>
438866	WELL	DG	09/26/2014		123-40171	SUMMIT 13C-32HZ	WO	<input checked="" type="checkbox"/>
438867	WELL	DG	09/27/2014		123-40172	SUMMIT 3C-29HZ	WO	<input checked="" type="checkbox"/>
438868	WELL	DG	09/24/2014		123-40173	SUMMIT 4C-29HZ	WO	<input checked="" type="checkbox"/>
438869	WELL	DG	10/03/2014		123-40174	SUMMIT 36C-32HZ	WO	<input checked="" type="checkbox"/>
438870	WELL	DG	09/25/2014		123-40175	SUMMIT 29N-29HZ	WO	<input checked="" type="checkbox"/>
438871	WELL	DG	09/23/2014		123-40176	SUMMIT 13N-32HZ	WO	<input checked="" type="checkbox"/>
438872	WELL	DG	09/22/2014		123-40177	SUMMIT 30N-29HZ	WO	<input checked="" type="checkbox"/>
438873	WELL	DG	10/02/2014		123-40178	SUMMIT 36N-32HZ	WO	<input checked="" type="checkbox"/>

438874	WELL	DG	09/28/2014		123-40179	SUMMIT 35N-32HZ	WK	<input checked="" type="checkbox"/>
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Equipment:Location Inventory

Special Purpose Pits: _____	Drilling Pits: _____	Wells: 13	Production Pits: _____
Condensate Tanks: _____	Water Tanks: 2	Separators: 18	Electric Motors: _____
Gas or Diesel Motors: _____	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

Emergency Contact Number (S/A/V): _____

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

Flaring:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date

Predrill

Location ID: 438862

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.

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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: _____

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: WO

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

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

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

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

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Facility ID:	438867	Type:	WELL	API Number:	123-40172	Status:	DG	Insp. Status:	WO
Facility ID:	438868	Type:	WELL	API Number:	123-40173	Status:	DG	Insp. Status:	WO
Facility ID:	438869	Type:	WELL	API Number:	123-40174	Status:	DG	Insp. Status:	WO
Facility ID:	438870	Type:	WELL	API Number:	123-40175	Status:	DG	Insp. Status:	WO
Facility ID:	438871	Type:	WELL	API Number:	123-40176	Status:	DG	Insp. Status:	WO
Facility ID:	438872	Type:	WELL	API Number:	123-40177	Status:	DG	Insp. Status:	WO
Facility ID:	438873	Type:	WELL	API Number:	123-40178	Status:	DG	Insp. Status:	WO
Facility ID:	438874	Type:	WELL	API Number:	123-40179	Status:	DG	Insp. Status:	WK

Complaint

Comment: Complaint DOC#200429172. Area resident to the east complained about noise coming from the fracking operations at the SUMMIT location. OGCC staff contacted the complainant on 4/9/15 and explained that several noise surveys had been run at the location and no exceedences of COGCC rules had been recorded. Complainant was also concerned that the phone # for Anadarko she was given did not work. OGCC staff gave the complainant Heidi Gill's contact information and complainant was able to contact Anadarko. After learning that the fracking operations would be complete in less than a week, complainant was satisfied with the knowledge that the operations would be done soon and was OK with no sound survey being run. 18A DOC#200429303.

Well Stimulation

Stimulation Company: Halliburton

Stimulation Type: HYDRAULIC FRAC

Other: _____

Observation:

Maximum Casing Recorded: _____ PSI

Tubing: _____

Surface: _____

Intermediate: _____

Production: _____

Instantaneous Shut-In Pressure (ISIP) _____

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:

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

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: 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 REVEGETATIONCropland

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 _____

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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
Waddles	Pass					
Gravel	Pass					
Ditches	Pass					

S/A/V: SATISFACTOR
Y Corrective Date: _____

Comment: _____
CA: _____

Pits: ☐ NO SURFACE INDICATION OF PIT