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: 09/03/2015

Document Number: 673802527

Overall Inspection: SATISFACTORY

FIELD INSPECTION FORM

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	336198	336198	Gomez, Jason	☐	

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
, Inspections		COGCCinspections@Anadarko.com	All Inspections
Burn, Diana		diana.burn@state.co.us	

Compliance Summary:

QtrQtr: SWSE Sec: 14 Twp: 2N Range: 67W

Inspector Comment:

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
240107	WELL	PR	04/26/1974	OW	123-07895	DEVORE 1	PR	X
282458	WELL	PR	05/10/2010	OW	123-23496	BARCLAY 15-14	PR	X
436340	WELL	DG	12/05/2014	SI	123-39057	BARCLAY 15N-26HZ	DG	X
436341	WELL	DG	12/03/2014	SI	123-39058	BARCLAY 28C-11HZ	DG	X
436342	WELL	DG	12/06/2014	LO	123-39059	BARCLAY 3N-14HZ	DG	X
436343	WELL	DG	12/01/2014	SI	123-39060	BARCLAY 2N-11HZ	DG	X
436344	WELL	DG	12/04/2014	LO	123-39061	BARCLAY 15C-26HZ	DG	X

Equipment: Location Inventory

Inspector Name: Gomez, Jason

Special Purpose Pits:		Drilling Pits:		Wells:	7	Production Pits:	
Condensate Tanks:		Water Tanks:	2	Separators:	18	Electric Motors:	
Gas or Diesel Mortors:		Cavity Pumps:		LACT Unit:	1	Pump Jacks:	5
Electric Generators:		Gas Pipeline:		Oil Pipeline:		Water Pipeline:	
Gas Compressors:		VOC Combustor:	5	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

☐ Multilple Spills and Releases?

Venting:	
Yes/No	Comment

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

Predrill

Location ID: 336198

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
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	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).E. Multiwell Pads: In order to reduce surface impact, this application is for a five-well pad.

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.
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).
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).V. Development From Existing Well Pads: KMG will locate the five proposed horizontal wells on the existing well pad with location ID #336198 to reduce the amount of surface disturbance associated with this project.
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.
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).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).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	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. 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.
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 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.
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).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.
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).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.

Planning	604c.(2).S. Access Roads: KMG will utilize a lease access road from Weld County Road 20 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. Magnesium chloride will also be used as needed on access roads to further abate dust.
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.
Noise mitigation	Sound surveys that have been conducted on each rig type are utilized to anticipate any necessary noise mitigation once a drilling rig is determined.
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.

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: 240107 Type: WELL API Number: 123-07895 Status: PR Insp. Status: PR

Producing Well

Comment: PR/SI for frac

Facility ID: 282458 Type: WELL API Number: 123-23496 Status: PR Insp. Status: PR

Producing Well

Comment: PR/SI for Frac

Facility ID: 436340 Type: WELL API Number: 123-39057 Status: DG Insp. Status: DG

Well Stimulation

Stimulation Company: HB | 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: 436341 Type: WELL API Number: 123-39058 Status: DG Insp. Status: DG

Well Stimulation

Stimulation Company: HB | 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: 436342 Type: WELL API Number: 123-39059 Status: DG Insp. Status: DG

Well Stimulation

Stimulation Company: HB | 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: 436343 Type: WELL API Number: 123-39060 Status: DG Insp. Status: DG

Well Stimulation

Stimulation Company: HB | 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: 436344 Type: WELL API Number: 123-39061 Status: DG Insp. Status: DG

Complaint

Comment:

Complaint #: 200437075

Field Inspector Assigned: Gomez, Jason

Complaint Received:

Date: 9/2/2015 Time (Military): 1430Hrs

Contacted by Inspector:

Date: 9/3/2015Time (Military): 1000 Hrs

Well Number: 05-Choose an item.-Click here to enter text. Location #: 336198

Inspection Document #: 673802527

Complainant: Henry Thuener Phone: 303-857-4576

Address: 10303 WCR20, Ft. Lupton, CO 80621

Nature of complaint: Noise/Lighting

Field Inspector Actions:

On 9-2-2015, I was contacted by COGCC staff in reference to a noise/lighting complaint received by our office. I contacted the complainant who said he was experiencing loud noise and light shining from the location SE of his home. The complainant indicated the noise was both loud and causing vibration late at nit or in the early am hours.

On 9-3-20 myself and COGCC staff member Jeff Ricard went to the complainants home at approx 0440 Hrs where we performed a series of 2 sound studies at the residence and 1 sound study approx 350' from the from the frac crew at the Barclay location. After performing the sound studies, I performed a site inspection at the Barclay location, upon arriving at location I observed the light at the location were directed toward the ground and toward the center of the location. See inspection Doc# 673802527 for details of inspection and attached sound studies.

Summary:
Upon inspection and as a result of the sound studies performed, it was no violations of COGCC rules were observed.

Well Stimulation

Stimulation Company: HB

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:

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:

Inspector Name: Gomez, Jason

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: RANGELAND

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: RANGELAND

Inspector Name: Gomez, Jason

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	MHSP	Pass	
Ditches	Pass					

S/A/V: SATISFACTORY Corrective Date: _____

Comment:

CA:

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
673802528	1st studyfrom trailer	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3684091
673802529	2nd study from home	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3684092
673802530	3rd study from approx 350' from location	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3684093
673802531	Sound mitigation at site	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3684094