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: 10/13/2015

Document Number: 671105579

Overall Inspection: SATISFACTORY

FIELD INSPECTION FORM

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	438861	438862	MONTOYA, JOHN	☐	

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
REDDY, LUKE		Luke.Reddy@anadarko.com	ALL INSPECTIONS
Avant, Paul	720-929-6475	Paul.Avant@anadarko.com	regulatory
,		COGCCinspections@anadarko.com	All Inspections

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)
04/24/2015	674002182	DG	DG	SATISFACTORY			No
10/06/2014	671102402	DG	DG	SATISFACTORY			No

Inspector Comment:

Related Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
438861	WELL	PR	04/01/2015		123-40167	SUMMIT 34C-32HZ	PR	☒
438863	WELL	PR	06/05/2015		123-40168	SUMMIT 3N-29HZ	PR	☒
438864	WELL	PR	04/01/2015		123-40169	SUMMIT 28C-29HZ	PR	☒
438865	WELL	PR	04/21/2015		123-40170	SUMMIT 14C-32HZ	PR	☒
438866	WELL	PR	04/01/2015		123-40171	SUMMIT 13C-32HZ	PR	☒
438867	WELL	PR	06/05/2015		123-40172	SUMMIT 3C-29HZ	PR	☒
438868	WELL	PR	04/01/2015	OW	123-40173	SUMMIT 4C-29HZ	PR	☒
438869	WELL	PR	06/01/2015	OW	123-40174	SUMMIT 36C-32HZ	PR	☒
438870	WELL	PR	06/05/2015		123-40175	SUMMIT 29N-29HZ	PR	☒
438871	WELL	PR	06/05/2015		123-40176	SUMMIT 13N-32HZ	PR	☒
438872	WELL	PR	06/05/2015		123-40177	SUMMIT 30N-29HZ	PR	☒
438873	WELL	PR	06/05/2015		123-40178	SUMMIT 36N-32HZ	PR	☒

Inspector Name: MONTOYA, JOHN

438874	WELL	PR	06/05/2015		123-40179	SUMMIT 35N-32HZ	PR ☒

Equipment: Location Inventory

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
CONTAINERS	SATISFACTORY			
WELLHEAD	SATISFACTORY			
TANK LABELS/PLACARDS	SATISFACTORY			
BATTERY	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?

Fencing/:

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
TANK BATTERY	SATISFACTORY	ROD IRON FENCE		
IGNITOR/COMBUSTOR	SATISFACTORY	ROD IRON FENCE		
SEPARATOR	SATISFACTORY	ROD IRON FENCE		
WELLHEAD	SATISFACTORY	ROD IRON FENCESE CORNERN40.06198 W-104.41609		

Equipment:

Type	#	Satisfactory/Action Required	Comment	Corrective Action	CA Date
LACT	2	SATISFACTORY	SE CORNERN40.06146 W-104.41503		
Gas Meter Run	19	SATISFACTORY	SE CORNERN40.06146 W-104.41503		
Plunger Lift	13	SATISFACTORY			

Other	2	SATISFACTORY	AIR COMPRESSORSE CORNERN40.06146 W-104.41503		
Bird Protectors	16	SATISFACTORY			
Other	4	SATISFACTORY	500 BBL FRAC TANKSSE CORNERN40.06178 W1-04.41543		
Emission Control Device	2	SATISFACTORY	SE CORNERN40.06146 W-104.41503		
Other	4	SATISFACTORY	POLISH UNITSN40.06146W-104.41503		
VRU	4	SATISFACTORY	SE CORNERN40.06146 W-104.41503		
Vertical Separator	4	SATISFACTORY	SE CORNERN40.06146 W-104.41503		
Horizontal Heated Separator	13	SATISFACTORY	SE CORNERN40.06146 W-104.41503		
Ancillary equipment	1	SATISFACTORY	METHANOL PUMP		

Facilities: ☐ New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
PRODUCED WATER	2	200 BBLS	PBV FIBERGLASS	,

S/A/V:	SATISFACTORY	Comment:	BOTHE WATER TANKS ARE 210 BBLS CAPACITY

Corrective Action:		Corrective Date:	

Paint

Condition	Adequate

Other (Content) _____

Other (Capacity) _____

Other (Type) _____

Berms

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

Corrective Action		Corrective Date	
Comment			

Facilities: ☐ New Tank Tank ID: _____

Contents	#	Capacity	Type	SE GPS
CRUDE OIL	2	300 BBLS	STEEL AST	40.061470,-104.415310

S/A/V:	SATISFACTORY	Comment:	

Corrective Action:		Corrective Date:	

Paint

Condition	Adequate

Other (Content)

Other (Capacity) _____

Other (Type) _____

Berms

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

Corrective Action		Corrective Date	
Comment			

Venting:	
Yes/No	Comment
NO	

Flaring:				
Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
Ignitor/Combustor	SATISFACTORY			

Predrill

Location ID: 438861

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:

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: PR Insp. Status: PR

Producing Well

Comment: PR

BradenHead

Comment: BRADENHEAD PLUMBED UP

CA:

CA Date:

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

Producing Well

Comment: PR

BradenHead

Comment: BRADENHEAD PLUMBED UP

CA:

CA Date:

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

Producing Well

Comment: PR

BradenHead

Comment: BRADENHEAD PLUMBED IN

CA:

CA Date:

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

Producing Well

Comment: PR

BradenHead

Comment: BRADENHEAD PLUMBED IN

CA:

CA Date:

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

Producing Well

Comment: PR

BradenHead

Comment: BRADENHEAD PLUMBED IN

CA:

CA Date:

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

Producing Well

Comment: PR

BradenHead

Comment: BRADENHEAD PLUMBED UP

CA:

CA Date:

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

Producing Well

Comment: PR

BradenHead

Comment: BRADENHEAD PLUMBED UP

CA:

CA Date:

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

Producing Well

Comment: PR

BradenHead

Comment: BRADENHEAD PLUMBED IN

CA:

CA Date:

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

Producing Well

Comment: PR

BradenHead

Comment: BRADENHEAD PLUMBED IN

CA:

CA Date:

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

Producing Well

Comment: PR

BradenHead

Comment: BRADENHEAD PLUMBED IN

CA:

CA Date:

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

Producing Well

Comment: PR

BradenHead

Comment: BRADENHEAD PLUMBED UP

CA:

CA Date:

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

Producing Well

Comment: PR

BradenHead

Comment: BRADENHEAD PLUMBED UP

CA:

CA Date:

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

Producing Well

Comment: PR

Environmental

Spills/Releases:

Type of Spill: Description: Estimated Spill Volume:

Comment:

Inspector Name: MONTOYA, JOHN

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: 2 PADS OF SIX WELLS APIECE

1003a. Debris removed? Pass CM

CA CA Date

Waste Material Onsite? 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 removed? 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? Pass Subsidence over on drill pit? Pass

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

Inspector Name: MONTOYA, JOHN

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 _____

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: SATISFACTORY Corrective Date: _____

Comment:

CA:

Pits: ☒ NO SURFACE INDICATION OF PIT

COGCC Comments

Comment	User	Date
INTERMITTER CONTROLLERS ON ALL WELLS THERE ARE 14 WELLS GOING TO THIS BATTERY UPRR 38 PAN AM TRUE #1, SUMMIT 30N-29HZ, 29N-29HZ,30N-29HZ, 13C-32HZ, 4C-29HZ, 3N-29HZ, 14C-32HZ, 36N-32HZ, 36C-32HZ, 3C-29HZ, 35N-32HZ, 28C-29HZ	montoyaj	10/13/2015