

**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



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Inspection Date:

08/07/2013

Document Number:

663900002

Overall Inspection:

Satisfactory**FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	<u>416157</u>	<u>416157</u>	<u>LONGWORTH, MIKE</u>	<input type="checkbox"/>	

Operator Information:

OGCC Operator Number: 53650 Name of Operator: MARATHON OIL COMPANY

Address: 5555 SAN FELIPE RD

City: HOUSTON State: TX Zip: 77056

Contact Information:

Contact Name	Phone	Email	Comment
Mazotti, Joseph J	405.728.5228	jjmazotti@marathonoil.com	Regulatory
KELLERBY, SHAUN		shaun.kellerby@state.co.us	

Compliance Summary:

QtrQtr: NWNE Sec: 26 Twp: 6S Range: 97W

Inspector Comment:**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	
416001	WELL	PR	10/01/2010	GW	045-19203	697-26A 21	<input checked="" type="checkbox"/>
416163	WELL	XX	03/15/2010	LO	045-19224	697-26A 18	<input checked="" type="checkbox"/>
416167	WELL	PR	09/29/2010	GW	045-19225	697-26A 14	<input checked="" type="checkbox"/>
416169	WELL	PR	10/02/2010	GW	045-19227	697-26A 23	<input checked="" type="checkbox"/>
416171	WELL	XX	03/15/2010	LO	045-19228	697-26A 25	<input checked="" type="checkbox"/>
416172	WELL	PR	10/02/2010	GW	045-19229	697-26A 12	<input checked="" type="checkbox"/>
416173	WELL	XX	03/15/2010	LO	045-19230	697-26A 16	<input checked="" type="checkbox"/>
416446	WELL	XX	04/06/2010	LO	045-19264	697-26A 27	<input checked="" type="checkbox"/>

Equipment:Location Inventory

Special Purpose Pits: <u> </u>	Drilling Pits: <u>2</u>	Wells: <u>8</u>	Production Pits: <u> </u>
Condensate Tanks: <u>1</u>	Water Tanks: <u>2</u>	Separators: <u>8</u>	Electric Motors: <u> </u>
Gas or Diesel Motors: <u>10</u>	Cavity Pumps: <u>1</u>	LACT Unit: <u>8</u>	Pump Jacks: <u> </u>
Electric Generators: <u>1</u>	Gas Pipeline: <u> </u>	Oil Pipeline: <u> </u>	Water Pipeline: <u>1</u>
Gas Compressors: <u> </u>	VOC Combustor: <u> </u>	Oil Tanks: <u>2</u>	Dehydrator Units: <u> </u>
Multi-Well Pits: <u>1</u>	Pigging Station: <u> </u>	Flare: <u>1</u>	Fuel Tanks: <u>2</u>

Location

Lease Road:				
Type	Satisfactory/Unsatisfactory	comment	Corrective Action	Date
Access	Satisfactory	weeds sprouting along ditches. Ditches need cleaned and maintained.		
Main	Satisfactory	Ditches washing and stacking silt.		

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

Emergency Contact Number: (S/U/V) Satisfactory Corrective Date: _____

Comment: _____

Corrective Action: _____

Good Housekeeping:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
WEEDS	Satisfactory	Weeds starting to sprout along access road and at entrance of location.		

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

Fencing/:				
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
SEPARATOR	Satisfactory			
WELLHEAD	Satisfactory			
TANK BATTERY	Satisfactory			

Equipment:					
Type	#	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date
Plunger Lift	4	Satisfactory			
Gas Meter Run	1	Satisfactory			
Horizontal Heated Separator	4	Satisfactory			
Bird Protectors	2	Satisfactory			

Inspector Name: LONGWORTH, MIKE

Facilities:		<input type="checkbox"/> New Tank		Tank ID: _____	
Contents	#	Capacity	Type	SE GPS	
CONDENSATE	1	400 BBLS	STEEL AST	39.498350,108.183290	
S/U/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 Sufficient	Base Sufficient	Adequate	
Corrective Action				Corrective Date	
Comment					
Facilities:		<input type="checkbox"/> New Tank		Tank ID: _____	
Contents	#	Capacity	Type	SE GPS	
PRODUCED WATER	2	400 BBLS	STEEL AST	,	
S/U/V:	Satisfactory		Comment: _____		
Corrective Action: _____				Corrective Date: _____	
Paint					
Condition	Adequate				
Other (Content) _____					
Other (Capacity) _____					
Other (Type) _____					
Berms					
Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Corrective Action				Corrective Date	
Comment					
Venting:					
Yes/No	Comment				
Flaring:					
Type	Satisfactory/Unsatisfactory	Comment	Corrective Action	CA Date	
<u>Predrill</u>					
Location ID: 416157					
Site Preparation:					
Lease Road Adeq.: Satisfactory		Pads: Satisfactory		Soil Stockpile: _____	
Corrective Action: _____		Date: _____		CDP Num.: _____	

Form 2A COAs:

Group	User	Comment	Date
Agency	yokleyb	<p>Pit Design, Construction, and Monitoring Requirements General Requirements for Pits: Pits shall not be constructed on springs, seeps, or other surface water features. If groundwater is encountered during pit construction activity, pit construction shall cease and the location shall be reclaimed. An alternate location or an alternate plan (e.g., use of a closed loop and/or semi-closed loop system) must be approved by the Director before resuming operations. All pits, including drilling pits, in the Area of Concern must be lined, as discussed below under "Pit Design and Construction" and in accordance with COGCC Rule 904. No portion of any pit shall be constructed on fill material, unless the pit and fill slope are designed and certified by a Professional Engineer, subject to review and approval by the Director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. An as-built construction report is required for pits which are designed and certified by a Professional Engineer. The as-built construction report shall be submitted with a Form 4 (Sundry Notice – Report of Work Done) to COGCC's environmental staff for approval prior to using the pit. Produced water shall be treated in accordance with Rule 907. before being placed in a properly-permitted pit. Storage of produced water in drilling pits in anticipation of upcoming drilling or completion activities is not allowed for a period longer than seven (7) calendar days. Pit Design and Construction: If site-specific conditions do not allow for compliance with these minimum requirements, then the operator must submit a pit design which is certified by a Professional Engineer, subject to review and approval by the Director prior to construction of the pit. The pit design shall be submitted with a Form 4, Sundry Notice. Liner systems for all pits, including drilling Pits shall meet the minimum requirements of COGCC Rules 904.b. or 904.c. Drill cuttings may be used as an alternative liner foundation material (COGCC Rule 904.c.(3)), provided that a double synthetic liner system is used and the recycled drill cuttings meet the applicable standards of Table 910-1. It is the operator's responsibility to design and construct a liner system to contain fluids in the pit without compromising the integrity of the liner(s). Pit sidewall slopes shall not be steeper than 1 vertical to 2 horizontal to facilitate installation of the bedding materials and the synthetic liner (s). If sidewall slopes exceed 1 vertical to 2 horizontal, then the operator must submit a site-specific pit design that will minimize the likelihood of damage to the liner by sharp rock edges and any other material protruding from the sidewalls. The pit design must be certified by a Professional Engineer, subject to review and approval by the Director prior to construction of the pit. The pit design shall be submitted with a Form 4, Sundry Notice. As a Condition of Approval for pits requiring a Form 15, the Director may require other additional protective measures. These measures may include but are not limited to increased record-keeping requirements, monitoring systems, and leak detection systems. In making such a determination, the Director shall consider the surface and subsurface geology, the existence of ground water, the quality of the produced water, and the hydraulic conductivity of the surrounding soils and bedrock, the depth to ground water, and the distance to surface water and water wells. Hydrotesting: After installation of the uppermost liner and prior to using any lined pit, the synthetic liner(s) shall be tested by filling the pit with at least eight (8) feet of fresh water, measured from the base of the pit (not to exceed the two (2) foot freeboard requirement). The operator shall monitor the pit for leaks for a period of seventy-two (72) hours prior to draining the pit and commencing operations. Hydrotest monitoring results must be maintained by the operator for the life of the pit and provided to the Director upon request. If leaks are observed, the operator must suspend operations and notify the Director within twenty-four (24) hours. The operator must fix any leaks and repeat hydrotests as described above. Operations shall not commence until a successful hydrotest is performed with no leaks observed. Pit Monitoring (in addition to the requirements of COGCC Rule 902.b. the operator shall): Monitor pit fluid levels using a pit level indicator at least once every twelve (12) hours whenever fluid is present in the pit in quantities greater than de minimis amounts. The monitoring frequency shall increase to once every six (6) hours when the pit is being actively used for drilling, completion or production operations. Monitoring results must be documented and records maintained by the operator in accordance with COGCC Rule 205 and provided to the Director upon request. Stop using the pit as soon as practicable, if there is any observed loss of integrity</p>	03/15/2010

		from the pit liner or if the operator suspects a loss of more than five hundred (500) barrels of liquid from the pit, based on fluid level measurements or throughput measurements. The operator must notify the Director in accordance with COGCC Rule 906. The pit contents shall be removed as soon as practicable, the pit will be inspected and the extent of impact, if any determined and remediated, repairs to the pit liner system shall be made or a replacement liner system installed, and use of the pit shall not resume until a successful hydrotest is performed and the results have been submitted with a Form 4, Sundry Notice to the Director for approval. Suspension of Use: If operations are suspended and the pit is not in use for more than seven (7) calendar days, then fluids in the pit must be removed such that only de minimis amounts of fluids are left in the pit to hold down the synthetic liner(s). After removing fluids, the operator shall continue to inspect the pit and record any observed leaks, punctures or tears at least once every twenty-four (24) hours while use of the pit is suspended. The pit shall be inspected by the operator prior to re-use. If any leaks, punctures or tears are observed, then the synthetic liner must be replaced and hydrotested prior to resuming operations. If operations are suspended for more than six (6) months, then the pit shall be closed, unless specifically approved by the Director.	
Agency	yokleyb	The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, the drill cuttings must also meet the applicable standards of table 910-1.	03/15/2010
Agency	yokleyb	Water Quality Monitoring: Operator will propose surface water quality monitoring program. Operator will perform sampling to establish water quality conditions prior to using pits at the subject location.	03/15/2010
Agency	yokleyb	Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations. If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of fluids.	03/15/2010
Agency	yokleyb	No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.	03/15/2010
Agency	yokleyb	Additional Requirements: It is COGCC's understanding that Marathon intends to apply to Garfield County for a permit for an Individual Sewage Disposal System (ISDS) at the subject location. They plan to transfer the effluent from that ISDS to a pit and use it as makeup water (subject to COGCC approval of a request from Marathon via Sundry Notice). The following COAs will be applied to the Sundry Notice approving transfer of ISDS effluent to any pits; Provide a copy of the GARCO-ISDS permit to COGCC by Form 4. ISDS shall be operated in accordance with GARCO-ISDS Permit. ISDS effluent shall not be used for drilling or completing the surface-casing borehole. If ISDS effluent quality limits are exceeded, immediately cease using the effluent for O&G operations and notify the COGCC by Form 4. Notify COGCC by Form 4 if the ISDS is moved to a different man camp/well pad. Attach copy of new GARCO-ISDS permit and a list of wells in which the effluent may be used.	03/15/2010

Comment: Dirt berm around edge of location. 3 -500bbl tanks in lined metal berm. Silt fence at bottom of location needs maintained. Seeding around outer slopes of location. No active drilling and no open pits.

CA: **Date:**

Wildlife BMPs:

Comment:

CA: **Date:**

Stormwater:

Erosion BMPs	Present	Other BMPs	Present
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Inspector Name: LONGWORTH, MIKE

Corrective Action: _____		Date: _____	
Comments: Erosion BMPs: _____			
Other BMPs: _____			
Comment: _____			
Staking: _____			
On Site Inspection (305):			
<u>Surface Owner Contact Information:</u>			
Name: _____		Address: _____	
Phone Number: _____		Cell Phone: _____	
<u>Operator Rep. Contact Information:</u>			
Landman Name: _____		Phone Number: _____	
Date Onsite Request Received: _____		Date of Rule 306 Consultation: _____	
Request LGD Attendance: _____			
<u>LGD Contact Information:</u>			
Name: _____		Phone Number: _____	
		Agreed to Attend: _____	
<u>Summary of Landowner Issues:</u>			
<u>Summary of Operator Response to Landowner Issues:</u>			
<u>Onsite Inspection Memorandum Summarizing Discussions at Inspection as Attachment:</u>			

Facility

Facility ID: 416001	Type: WELL	API Number: 045-19203	Status: PR	Insp. Status: PR
Producing Well				
Comment: Producing well				
Facility ID: 416163	Type: WELL	API Number: 045-19224	Status: XX	Insp. Status: ND
Facility ID: 416167	Type: WELL	API Number: 045-19225	Status: PR	Insp. Status: PR
Producing Well				
Comment: Producing well				
Facility ID: 416169	Type: WELL	API Number: 045-19227	Status: PR	Insp. Status: PR
Producing Well				
Comment: Producing well				
Facility ID: 416171	Type: WELL	API Number: 045-19228	Status: XX	Insp. Status: ND
Facility ID: 416172	Type: WELL	API Number: 045-19229	Status: PR	Insp. Status: PR
Producing Well				
Comment: Producing well				

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Facility ID: 416173 Type: WELL API Number: 045-19230 Status: XX Insp. Status: ND

Facility ID: 416446 Type: WELL API Number: 045-19264 Status: XX Insp. Status: ND

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: _____

Land Use: RANGELAND

Comment: _____

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? In Production areas stabilized ? Pass

1003c. Compacted areas have been cross ripped? _____

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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? Fail
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 In Process

Final Reclamation/ Abandoned Location:

Date Final Reclamation Started: _____ Date Final Reclamation Completed: _____

Final Land Use: RANGELAND

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 Multi-Well Location ☐

<u>Storm Water:</u>						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Gravel	Pass	Culverts				
Berms	Pass	Berms		SR	Pass	Spill response barrel at tank battery
Silt Fences	Fail	Waddles				Silt has come off the wiring and needs repaired
Compaction	Pass	Ditches				Ditches along access and main roads need maintance
Seeding	Fail	Compaction				Not sure if seed or regrowth
Other	Pass					Strawbales connecting silt fencing

Inspector Name: LONGWORTH, MIKE

S/U/V: Unsatisfactory Corrective Date: 08/31/2013

Comment: North east bankwall in bare earth and shell.

CA: Address BMPs for exposed earth slopes.