

**State of Colorado  
Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)894-2100 Fax:(303)894-2109



FOR OGCC USE ONLY

**RECEIVED**  
2/17/2012

## SITE INVESTIGATION AND REMEDIATION WORKPLAN

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. Form 27 is intended to be used whenever possible. Additional documentation will be required when large volumes of soil and groundwater have been impacted or involve large facilities with multiple source areas. See Rule 910. Attach as many pages as needed to fully describe the proposed work.

### CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

☐ Spill or Release   ☐ Plug & Abandon   ☐ Central Facility Closure   ☒ Site/Facility Closure   ☐ Other (describe): \_\_\_\_\_

OGCC Employee:

☐ Spill   ☐ Complaint  
☐ Inspection   ☐ NOAV

Tracking No: \_\_\_\_\_

OGCC Operator Number: 53650

Name of Operator: Marathon OilAddress: 743 Horizon Court, Suite 220City: Grand Junction State: CO Zip: 81506

Contact Name and Telephone:

Melissa VelasquezNo: 970-244-5743Fax: 970-245-6287API Number: \_\_\_\_\_ County: GarfieldFacility Name: See Attached Table Facility Number: \_\_\_\_\_

Well Name: \_\_\_\_\_ Well Number: \_\_\_\_\_

Location: (QtrQtr, Sec, Twp, Rng, Meridian): \_\_\_\_\_ Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

### TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc.): \_\_\_\_\_

**Site Conditions:** Is location within a sensitive area (according to Rule 901e)?   ☐ Y   ☐ N   If yes, attach evaluation.

Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.): \_\_\_\_\_

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: \_\_\_\_\_

Potential receptors (water wells within 1/4 mi, surface waters, etc.): \_\_\_\_\_

**Description of Impact** (if previously provided, refer to that form or document):

Impacted Media (check):

Extent of Impact:

How Determined:

☐

Soils

☐

Vegetation

☐

Groundwater

☐

Surface Water

### REMEDIALTION WORKPLAN

**Describe initial action taken** (if previously provided, refer to that form or document):

**Describe how source is to be removed:**

**Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, insitu bioremediation, burning of oily vegetation, etc.:**

FORM  
27  
Rev 6/99

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**REMEDIAL WORKPLAN (Cont.)**

Tracking Number: \_\_\_\_\_  
Name of Operator: \_\_\_\_\_  
OGCC Operator No: \_\_\_\_\_  
Received Date: \_\_\_\_\_  
Well Name & No: \_\_\_\_\_  
Facility Name & No: \_\_\_\_\_

OGCC Employee: \_\_\_\_\_

If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.):

**Describe reclamation plan.** Discuss existing and new grade recontouring; method and testing of compaction alleviation; and reseeding program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing. Use additional sheet for description if required.

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing.

Is further site investigation required? ☐ Y ☐ N If yes, describe:

**Final disposition of E&P waste** (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):

**IMPLEMENTATION SCHEDULE**

Date Site Investigation Began: \_\_\_\_\_ Date Site Investigation Completed: \_\_\_\_\_ Date Remediation Plan Submitted: 5/4/2011  
Remediation Start Date: See Table for schedule Anticipated Completion Date: \_\_\_\_\_ Actual Completion Date: See Table for schedule

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Melissa R. Velasquez

Signed: Melissa R. Velasquez

Title: HES Professional

Date: 2/17/2012

OGCC Approved: Chris Camfield

Title: FOR

Chris Camfield  
EPS NW Region

Date: 02/21/2012

MARATHON Form 27 Spreadsheet

Operator's Information	
Name:	MARATHON OIL COMPANY
Number:	53650
Address:	5555 SAN FELIPE HOUSTON , TX 77056
Contact Name:	Velasquez, Melissa R.
Contact Phone and Fax:	970-244-5743 (OI 970-245-6287 (Fax)
Contact Title:	HES Professional

Order of Closure	Remediation Start Date	Actual Completion Date	Remediation Number (To be assigned by COGCC)	Location ID (Well Pad Location ID used)	Facility Name	Pit Current Status	County	QtrQtr	Section	Township	Range	Meridian	Latitude	Longitude	Altitude (Feet)	Waste Type	Adjacent Land Use	Soil Type	Sensitive Area?	Sensitive Area Determination Justification (according to Rule 901.e )	Distance to Nearest Surface Water (feet)	Depth to Groundwater (feet)	Comments
1	05/26/2011	06/21/2011	6852	335943	596-29C Closed loop cuttings pit	Closed	Garfield	NESW	29	55	96W	6	39.58372/-	-108.197030	8187	Drill cuttings							Per Marathon's Wildlife Mitigation Plan, this location is in a sensitive wildlife habitat area for Elk production and Sage Grouse.
2	06/02/2011	06/05/2011	6853	335982	596-32C Closed Loop Cuttings Pit	Closed	Garfield	SESW	32	55	96W	6	39.567600	-108.193940	8347	Drill cuttings	Non-Crop Land: Rangeland	Parachute-Irigul-Rhone association 25-50% slopes	See Comments				Sensitive Area determination was not indicated on previously submitted Form 2.  Per Marathon's Wildlife Mitigation Plan, this location is in a sensitive wildlife area for Sage Grouse.
3	06/06/2011	08/10/2011	6854	335880	596-33C Closed Loop Cuttings Pit	Closed	Garfield	SWSW	33	55	96W	6	39.564950	-108.178840	8242	Drill cuttings	Non-crop Land: Rangeland	Parachute-Rhone Loams, 5-30% slopes	No		1510	45	Per Marathon's Wildlife Mitigation Plan, this location is in a sensitive wildlife area for Elk production and Sage Grouse.
4	06/13/2011	06/20/2011	6855	335997	596-34D Closed Loop Cuttings Pit	Closed	Garfield	SESE	34	55	96W	6	39.566830	-108.147260	8101	Drill cuttings	Non-Crop Land: Rangeland	Parachute-Rhone Loams, 25-65% Slopes	See Comments				Sensitive Area determination was not indicated on previously submitted Form 2.  Per Marathon's Wildlife Mitigation Plan, this location is in a sensitive wildlife area for Elk production and Sage Grouse.  Prior to closure, pit was required to comply with "Notice to Operators Drilling Wells within 3/4 Mile of the Rim of the Roan Plateau in Garfield County."
5	06/13/2011	08/31/2011	6856	335911	697-1C Drilling Reserve Pit	Closed	Garfield	NWSW	1	65	97W	6	39.550080	-108.175830	8383	Drill cuttings	Non-crop Land: Rangeland	Parachute-Rhone Loams, 5-30% Slopes					Per Marathon's Wildlife Mitigation Plan, this location is in a sensitive wildlife habitat area for Elk production and Sage Grouse.
6	06/21/2011	07/14/2011	6857	413390	696-5C Closed Loop Cuttings Pit	Closed	Garfield	NESW	5	65	96W	6	39.558990	-108.130460	8108	Drill cuttings	Non-crop Land: Rangeland	Parachute Loam, 25 to 65%	See Comments		817	11	Sensitive Area determination was not indicated on previously submitted Form 2.  Prior to closure, pit was required to comply with "Notice to Operators Drilling Wells within 3/4 Mile of the Rim of the Roan Plateau in Garfield County."
7	06/22/2011	06/30/2011	6858	335960	596-20C Closed Loop Cuttings Pit	Closed	Garfield	NWSW	20	55	96W	6	39.599060	-108.200650	8272	Drill cuttings	Non-crop Land: Rangeland	Parachute-Irigul-Rhone association 25-50% slopes	No				Per Marathon's Wildlife Mitigation Plan, this location is in a sensitive wildlife habitat area for Sage Grouse.
8	06/23/2011	07/08/2011	6859	335992	596-19C Closed loop cuttings pit	Closed	Garfield	NESW	19	55	96W	6	39.597700	-108.212920	8436	Drill cuttings	Non-Crop Land: Rangeland	Parachute-Irigul Complex, 5-30% Slopes	No				Per Marathon's Wildlife Mitigation Plan, this location is in a sensitive wildlife habitat area for Sage Grouse.
9	06/27/2011	07/20/2011	6860	335922	596-35D Closed Loop Cuttings Pit	Closed	Garfield	SESE	35	55	96W	6	39.567860	-108.131480	8117	Drill cuttings	Non-Crop Land: Rangeland	Parachute-Rhone Loams, 25-65% Slopes	No				Per Marathon's Wildlife Mitigation Plan, this location is in a sensitive wildlife area for Sage Grouse and Golden Eagle Nest and a restricted surface occupancy area for Peregrine Falcon.  Prior to closure, pit was required to comply with "Notice to Operators Drilling Wells within 3/4 Mile of the Rim of the Roan Plateau in Garfield County."
10	07/20/2011	09/02/2011	6861	335999	596-31C Drilling Reserve Pit	Closed	Garfield	NWSW	31	55	96W	6	39.570220	-108.215290	8530	Drill cuttings	Non-Crop Land: Rangeland	Parachute-Irigul Complex, 5-30% Slopes					Per Marathon's Wildlife Mitigation Plan, this location is in a sensitive wildlife habitat area for Sage Grouse.
11	07/22/2011	09/08/2011	6862	335729	697-12A Drilling Reserve Pit	Closed	Garfield	SWNE	12	65	97W	6	39.540390	-108.166020	8305	Drill cuttings	Non-crop Land: Rangeland	Parachute-Rhone Loams, 5-30% Slopes	No				Per Marathon's Wildlife Mitigation Plan, this location is in a sensitive wildlife habitat area for Sage Grouse.
12	08/03/2011	08/24/2011	6863	335985	697-2C Closed Loop Cuttings Pit	Closed	Garfield	SESW	2	65	97W	6	39.545740	-108.189950	8476	Drill cuttings	Non-crop Land: Rangeland	Parachute-Irigul Complex, 5-30% Slopes	No				Per Marathon's Wildlife Mitigation Plan, this location is in a sensitive wildlife habitat area for Elk production and Sage Grouse.
13	08/11/2011	08/30/2011	6864	416157	697-26A Closed Loop Cuttings Pit	Closed	Garfield	NWNE	26	65	97W	6	39.498910	-108.183140	8416	Drill cuttings	Non-Crop Land: Rangeland	Parachute-Rhone Loams, 5 to 30% Slopes	No		895	260	
14	08/17/2011	09/02/2011	6865	335476	697-21A Closed Loop Cuttings Pit	Closed	Garfield	SENE	21	65	97W	6	39.509400	-108.218230	8368	Drill cuttings	Non-Crop Land: Rangeland	Parachute-Rhone Loams 5-30% Irigul Association 25-50%	See Comments				Sensitive Area determination was not indicated on previously submitted Form 2.  Prior to closure, pit was required to comply with "Notice to Operators Drilling Wells within 3/4 Mile of the Rim of the Roan Plateau in Garfield County."
15	09/05/2011	09/16/2011	6866	335510	697-28C Closed Loop Cuttings Pit	Closed	Garfield	NESW	28	65	97W	6	39.491380	-108.229360	8289	Drill cuttings	Non-Crop Land: Rangeland	Parachute-Rhone Loams, 5-30% slopes					