FORM
27
Rev 6/99

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

OGCC Employee:
☐ Spill ☐ Complaint
☐ Inspection ☐ NOAV
Tracking No:

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 Operator Number: 10430
Name of Operator: Monument Global Resources, Incorporated
Address: 12160 N. Abrams Road, Suite 610
City: Dallas State: TX Zip: 75243

Contact Name and Telephone:
Kerry W. Smith or Cindy Gray (SMA)
No: cell 575-937-8001 SMA cell 505-320-0912
Fax: 214-691-6822 SMA 505-326-0045

API Number: 05-083-05148 County: Montezuma
Facility Name: Flow Line - old release Facility Number:
Well Name: Cache #9 Well Number:
Location: (QtrQtr, Sec, Twp, Rng, Meridian): NWNW, S2, T34N, R20W NMPM Latitude: 37 14.510' Longitude: 109 01.564'

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): Old release of presumed crude and produced water

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.): Dryland cattle grazing

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Rock cliff and sandy clay with boulders, cobbles and gravel

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Abandoned water well greater than 2500 ft SW of end of release; release occurred on upper level and flowed down cliff face in drainage channel stopping short of intermittent dry streambed

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

Impacted Media (check):	Extent of Impact:	How Determined:
☑ Soils	Approx. 3000 ft X <2 ft down cliff to dry storm drainage	GPS
☐ Vegetation		
☐ Groundwater		
☐ Surface Water	None yet due to no precipitation and run-off	

REMEDIATION WORKPLAN

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

Refer to Form 19 Tracking # 200372183. MGRI personnel discovered stained soils and rock face in early inspection, indicating an old release before change of leasehold. Where accessible, contaminated soils intermixed with rock were treated by raking in Oil Hog, a commercially available organic oxidizer and sorbent. This combination of initial treatments appears to have supported the process of biodegradation of hydrocarbon contamination by indigenous microbes.

Describe how source is to be removed:

Form 19 Tracking # 200372183 - the old leaking pipeline which was the source of the release was replaced with new coated pipe. Old stained soils and impacted rock remains with the potential to release hydrocarbons when impacted by significant stormwater and weathering. Such secondary release will be contained by placement of absorbent booms in the storm drainage channel to prevent flow of hydrocarbons into the primary intermittent streambed until remediation of the impacts can be accomplished.

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.:

After notification to COGCC and the Landowner of record, MGRI will aggressively treat the hydrocarbon contaminated soils in place on top of the cliff, on the cliff face where accessible, and within the drainage bottom with solutions of Simple Green soap and a high nitrogen fertilizer in water. The impacted areas will be heavily sprayed after handshovel scarification, where feasible. The rocks and soils should be treated as described every thirty days for a total of ninety days.

Submit Page 2 with Page 1

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

REMEDIATION WORKPLAN (Cont.)

OGCC Employee:

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

No apparent impact to groundwater

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.

No excavation or significant disturbance is planned. Surface scarification of less than 12" will be accomplished by hand shovel to perform proposed remediation in both the upper portion above the cliff face and the lower flow below the cliff. After clearance sampling and testing, scarification and application of the appropriate BLM prescribed seed mix will be performed in the area of impact on the upper level where there is no concentrated stormwater flow. As the release below the cliff is in a dry stormwater drainage, no reseeding is appropriate. Sampling and testing of the soils in the impacted area will be performed at 120 days after beginning remedial activities. Three 5 point composite samples will be taken from one area above the cliff and two areas within the dry drainage below the cliff and analyzed for GRO/DRO by EPA SW846 Method 8015 and for BTEX by EPA SW846 Method 8021B. If laboratory results indicate that the remediated soils meet COGCC remediation standards, no further action will be taken beyond the described reseeding above the cliff. If standards are not met, the remediation approach will be reviewed and appropriate remedial actions proposed to COGCC.

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.):

No excavation has been nor is planned to be performed. Therefore, no solid wastes have been nor will be generated. As the release was very old, no liquids were recovered during the initial response.

IMPLEMENTATION SCHEDULE

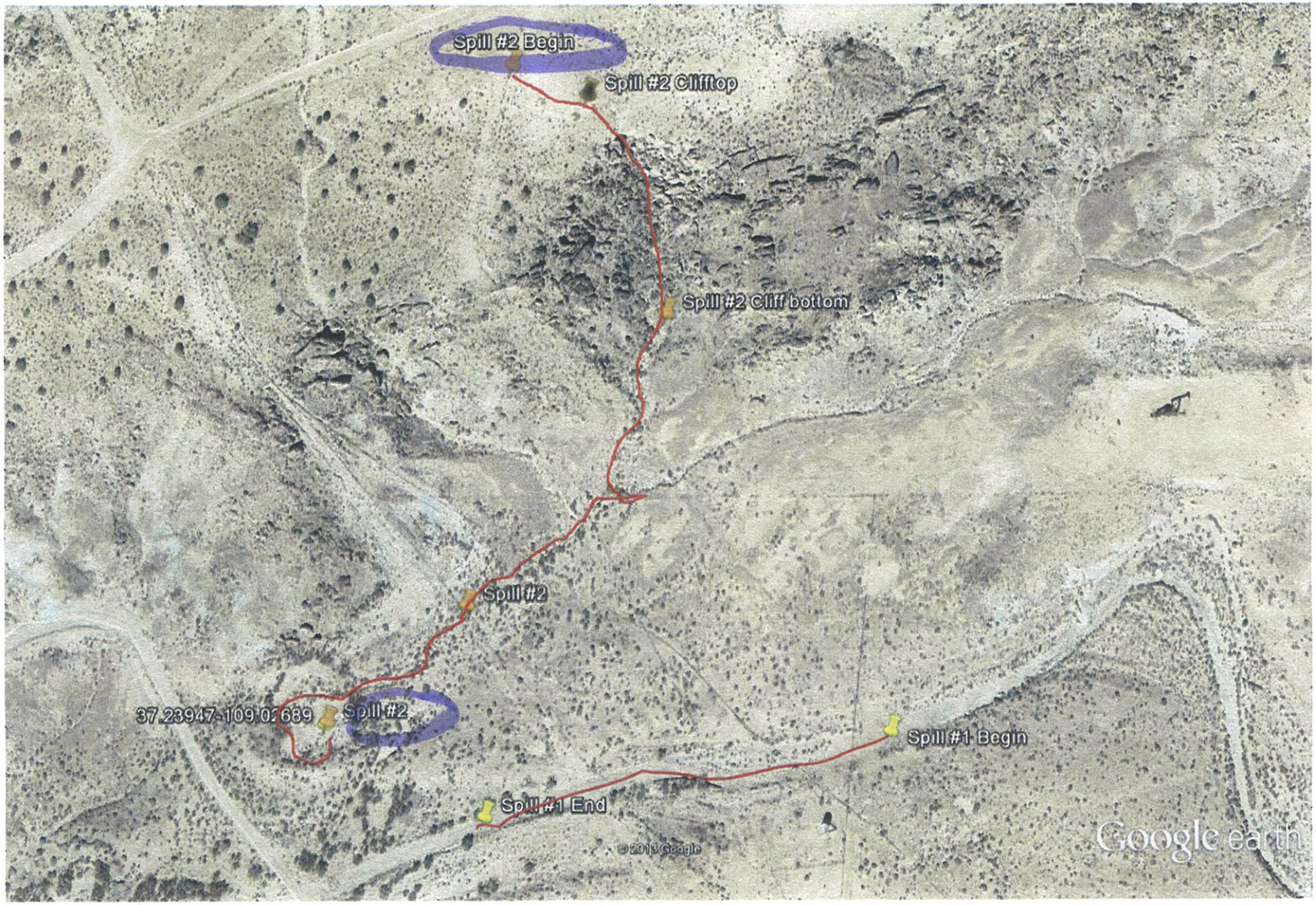
Date Site Investigation Began: 9-7-12	Date Site Investigation Completed: 12-12-12	Date Remediation Plan Submitted: 5-17-13
Remediation Start Date: upon COGCC approval	Anticipated Completion Date: + 120 days	Actual Completion Date: _____

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

Print Name: Cynthia A. Gray for Kerry W. Smith Signed: _____

Title: President Date: 5-17-13

OGCC Approved: _____ Title: _____ Date: _____



Google earth

feet 2000

meters 700

spill 12

FORM 19 Rev 6/99

State of Colorado
Oil and Gas Conservation Commission

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FOR OGCC USE ONLY
RECEIVED
DEC 12 2012
COGCC
Spill report taken by:
FACILITY ID:

SPILL/RELEASE REPORT

This form is to be submitted by the party responsible for the oil and gas spill or release. Any spill or release which may impact waters of the State must be reported as soon as practicable; any spill over 20 bbls must be reported within 24 hours and all spills over five bbls must be reported within ten days. Submit a Site Investigation and Remediation Workplan (Form 27) when requested by the Director.

OPERATOR INFORMATION

MLR

Name of Operator: Smith Energy LLC 1880 OGCC Operator No: 10430
Address: 2798 16th street
City: Hopkins MN State: MN Zip: 49328
Contact Person:

Phone Numbers
No: unknown
Fax:
E-Mail:

DESCRIPTION OF SPILL OR RELEASE

Date of Incident: unknown Facility Name & No.: cache field
Type of Facility (well, tank battery, flow line, pit): flow line
Well Name and Number: well #7 Cache unit #9
API Number: 05-083-05148

County: montezuma
QtrQtr: nwnw Section: 2
Township: 34n Range: 20w
Meridian: ute well

Specify volume spilled and recovered (in bbls) for the following materials:
Oil spilled: unknown Oil recov'd: Water spilled: Water recov'd: Other spilled: Other recov'd:
Ground Water impacted? ☐ Yes ☑ No Surface Water impacted? ☐ Yes ☑ No
Contained within berm? ☐ Yes ☑ No Area and vertical extent of spill: x
Current land use: dry land cattle grazing Weather conditions: dry
Soil/geology description: rocky sand/clay mix
IF LESS THAN A MILE, report distance IN FEET to nearest.... Surface water: unknown wetlands: buildings: 1700ft
Livestock: water wells: 2000ft Depth to shallowest ground water: unknown
Cause of spill (e.g., equipment failure, human error, etc.): unknown Detailed description of the spill/release incident:
spill happen before I took over lease found oil stained dirt while walking gas line looking for leaks

CORRECTIVE ACTION

Describe immediate response (how stopped, contained and recovered): GPS start - N 37° 14,510' W 109° 01.564
not sure if it was reported
Describe any emergency pits constructed:
END N. 37° 14,367' W 109° 01.615'
How was the extent of contamination determined:
Further remediation activities proposed (attach separate sheet if needed):
took in oil hog and raked into drainag to help remediate oil stains
Describe measures taken to prevent problem from reoccuring:
replaced pipeline with new coated pipe

OTHER NOTIFICATIONS

List the parties and agencies notified (County, BLM, EPA, DOT, Local Emergency Planning Coordinator or other).

Date	Agency	Contact	Phone	Response
				not sure if it was reported

Spill/Release Tracking No: 200372183