FORM
27
Rev 6/99

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State of Colorado
Oil and Gas Conservation Commission

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

#8269

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2/12/2014

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): Pit Closure

OGCC Operator Number: 53255
Name of Operator: Maralex Resources, Inc.
Address: P.O. Box 338
City: Ignacio, State: CO Zip: 81137

Contact Name and Telephone:
Naomi Azulai and Jim Graves
No: (970) 563-4000
Fax: (970) 563-4116

API Number:
County: Mesa
Facility Name: Sulfur Gulch 9-98-10 #1
Facility Number: Facility No 9-98-10 #1 Lease No. COC44757
Well Name: N/A
Well Number:
Location: (QtrQtr, Sec, Twp, Rng, Meridian): NE NE Quarter, Sec. 10, T 9 South, R 98 West Latitude: 39.29279 Longitude: 108.30862

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): Fluids limited to 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.): non-cropland - undeveloped

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Colluvium - clayed sand w/ gravel and cobbles.

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	> 6' below ground surface	laboratory analysis
☑	Vegetation	sparse grass and weeds adjacent to pit	visual
☐	Groundwater	N/A - GW was not observed in the pit	to a max. excavatecd depth of 7.5 BGS
☐	Surface Water	N/A - Visual evidence or storm water or erosion	was not observed as of April 3, 2013

REMEDIATION WORKPLAN

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

Initial and additional removal of contaminated soil with characterization/confirmation sampling and laboratory analyses. Approximately 14 cubic yards of contminated soil has been removed. The material remains stockpiled and secured with plastic sheeting at the site.

Describe how source is to be removed:

Additional soil removal and confirmation samples, analyzed for DRO and RRO, was performed on December 4, 2012 and demonstrates that sufficient quantities of contamiinated soil has been removed to TPH concentrations less the Table 910-1 standard of 500 mg/Kg.

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.:

Based on the reported laboratory data the contaminated soil has relatively low levels of hydrocarbons primarily in the DRO range. Based on our observatin and and review of the reported laboratory data the material appears to have naturally attenuated to TPH concentration of less than 500 mg/Kg. The soil material can be used to backfill the pit with COGCC approval.

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