

Inspector Name: Hughes, Jim

**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:

04/11/2014

Document Number:

674900002

Overall Inspection:

**ACTION REQUIRED****FIELD INSPECTION FORM**

Location Identifier	Facility ID	Loc ID	Inspector Name:	On-Site Inspection	2A Doc Num:
	311960	311960	Hughes, Jim	<input type="checkbox"/>	

**Operator Information:**

OGCC Operator Number: 53255

Name of Operator: MARALEX RESOURCES, INC

Address: P O BOX 338

City: IGNACIO State: CO Zip: 81137

- ☐ 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
FISCHER, ALEX		alex.fischer@state.co.us	
Azulai, Naomi	(970) 563-4000	naomi@maralexinc.com	All Inspections
O'Hare, Mickey	(970) 563-4000/ (719) 429-3529	amohare@maralexinc.com	All Inspections
LABOWSKIE, STEVE		steve.labowskie@state.co.us	

**Compliance Summary:**

QtrQtr: SWSE Sec: 35 Twp: 34N Range: 7W

**Inspector Comment:**

On April 11, 2014, Jim Hughes (COGCC) and Steve Labowskie (COGCC) met with Mickey O'Hare (Maralex) to collect soil samples at location #311960. Four discrete soil samples were taken at this location. Two samples were taken from the banks of an open pit with standing water. Two samples were taken from within a lined drilling pit. All samples were taken to Green Analytical Laboratory in Durango, CO. The results of the soil sampling are pending.

**Related Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status	
216408	WELL	PR	06/01/2007	GW	067-08014	KATIE EILEEN 34-7-35 2	PR	<input checked="" type="checkbox"/>
290229	WELL	PR	03/01/2012	GW	067-09351	KATIE EILEEN 34-7-35 3	PR	<input checked="" type="checkbox"/>

**Equipment:****Location Inventory**

Special Purpose Pits: _____	Drilling Pits: _____	Wells: _____	Production Pits: _____
Condensate Tanks: _____	Water Tanks: _____	Separators: _____	Electric Motors: _____
Gas or Diesel Mortors: _____	Cavity Pumps: _____	LACT Unit: _____	Pump Jacks: _____
Electric Generators: _____	Gas Pipeline: _____	Oil Pipeline: _____	Water Pipeline: _____
Gas Compressors: _____	VOC Combustor: _____	Oil Tanks: _____	Dehydrator Units: _____
Multi-Well Pits: _____	Pigging Station: _____	Flare: _____	Fuel Tanks: _____

**Location**

Emergency Contact Number (S/A/V): \_\_\_\_\_

Corrective Date: \_\_\_\_\_

Inspector Name: Hughes, Jim

Comment:

Corrective Action:

**Spills:**

Type	Area	Volume	Corrective action	CA Date
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☐ Multiple Spills and Releases?

**Venting:**

Yes/No	Comment
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**Flaring:**

Type	Satisfactory/Action Required	Comment	Corrective Action	CA Date
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**Predrill**

Location ID: 311960

**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:**

**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: 216408 Type: WELL API Number: 067-08014 Status: PR Insp. Status: PR

**Producing Well**

Comment: \_\_\_\_\_

Facility ID: 290229 Type: WELL API Number: 067-09351 Status: PR Insp. Status: PR

**Producing Well**

Comment: \_\_\_\_\_

**Environmental**

**Spills/Releases:**

Inspector Name: Hughes, Jim

Type of Spill: _____	Description: _____	Estimated Spill Volume: _____
Comment: _____		
Corrective Action: _____		Date: _____
Reportable: _____	GPS: Lat _____	Long _____
Proximity to Surface Water: _____		Depth to Ground Water: _____

<b>Water Well:</b>		Lat _____	Long _____
DWR Receipt Num: _____	Owner Name: _____	GPS : _____	_____

<b>Field Parameters:</b>
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Sample Location: \_\_\_\_\_ Other \_\_\_\_\_

<b>Sample</b>	Sample Type: <u>SOIL GRAB</u>				
Time: <u>04/11/14 10:15</u>	(MM/dd/yyyy hh:mm)	GPS: Lat <u>37.142580</u>	Long <u>-107.574280</u>		
BTEX: <u>YES</u>	TPH: <u>YES</u>	Anion: <u>NO</u>	Captions: <u>NO</u>	General Chemistry: <u>NO</u>	
Dissolved Methane: <u>NO</u>	Composition: <u>NO</u>	Stable Isotopes: <u>NO</u>	8260: <u>NO</u>		
8270: <u>NO</u>	RCRA Metals: <u>NO</u>	910-Metals: <u>YES</u>	PAH: <u>YES</u>		
Other: <u>GRO, DRO, EC, SAR, pH</u>					
Comment: <u>Two 4 oz. jars and 1 one gallon Ziploc bag were filled from the northwestern portion of a lined drilling pit. Contents of the pit were sampled from a depth of 0-6".</u>					

<b>Sample</b>	Sample Type: <u>SOIL GRAB</u>				
Time: <u>04/11/2014 09:50</u>	(MM/dd/yyyy hh:mm)	GPS: Lat <u>37.143080</u>	Long <u>-107.574270</u>		
BTEX: <u>YES</u>	TPH: <u>YES</u>	Anion: <u>NO</u>	Captions: <u>NO</u>	General Chemistry: <u>NO</u>	
Dissolved Methane: <u>NO</u>	Composition: <u>NO</u>	Stable Isotopes: <u>NO</u>	8260: <u>NO</u>		
8270: <u>NO</u>	RCRA Metals: <u>NO</u>	910-Metals: <u>YES</u>	PAH: <u>YES</u>		
Other: <u>GRO, DRO, EC, SAR, pH</u>					
Comment: <u>Two 4 oz. jars and 1 one gallon Ziploc bag were filled from the northern edge of an unlined pit with standing water. Soil was sampled from a depth of 0-6".</u>					

<b>Sample</b>	Sample Type: <u>SOIL GRAB</u>				
Time: <u>04/11/14 10:30</u>	(MM/dd/yyyy hh:mm)	GPS: Lat <u>37.142530</u>	Long <u>-107.574180</u>		
BTEX: <u>YES</u>	TPH: <u>YES</u>	Anion: <u>NO</u>	Captions: <u>NO</u>	General Chemistry: <u>NO</u>	
Dissolved Methane: <u>NO</u>	Composition: <u>NO</u>	Stable Isotopes: <u>NO</u>	8260: <u>NO</u>		
8270: <u>NO</u>	RCRA Metals: <u>NO</u>	910-Metals: <u>YES</u>	PAH: <u>YES</u>		
Other: <u>GRO, DRO, EC, SAR, pH</u>					
Comment: <u>Two 4 oz. jars and 1 one gallon Ziploc bag were filled from the southeastern portion of the lined drilling pit, near the edge of a pool of standing water. Contents of the pit were sampled from a depth of 0-6".</u>					

<b>Sample</b>	Sample Type: <u>SOIL GRAB</u>				
Time: <u>04/11/14 10:00</u>	(MM/dd/yyyy hh:mm)	GPS: Lat <u>37.142950</u>	Long <u>-107.574200</u>		
BTEX: <u>YES</u>	TPH: <u>YES</u>	Anion: <u>NO</u>	Captions: <u>NO</u>	General Chemistry: <u>NO</u>	
Dissolved Methane: <u>NO</u>	Composition: <u>NO</u>	Stable Isotopes: <u>NO</u>	8260: <u>NO</u>		
8270: <u>NO</u>	RCRA Metals: <u>NO</u>	910-Metals: <u>YES</u>	PAH: <u>YES</u>		
Other: <u>GRO, DRO, EC, SAR, pH</u>					
Comment: <u>Two 4 oz. jars and 1 one gallon Ziploc bag were filled from an apparent inlet on the southern edge of the unlined open pit. Soil was sampled from a depth of 0-6".</u>					

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**Lab:**

Lab Name

Green Analytical Laboratory

**Waste Management:**

Type	Management	Condition	Comment	GPS (Lat)	(Long)

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: \_\_\_\_\_

Comment: \_\_\_\_\_

1003a. Debris removed? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_  
Waste Material Onsite? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_  
Unused or unneeded equipment onsite? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_  
Pit, cellars, rat holes and other bores closed? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_  
Guy line anchors removed? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_  
Guy line anchors marked? \_\_\_\_\_ CM \_\_\_\_\_  
CA \_\_\_\_\_ CA Date \_\_\_\_\_

1003b. Area no longer in use? \_\_\_\_\_ Production areas stabilized ? \_\_\_\_\_

1003c. Compacted areas have been cross ripped? \_\_\_\_\_

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? \_\_\_\_\_

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: \_\_\_\_\_

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Overall Interim Reclamation \_\_\_\_\_

**Final Reclamation/ Abandoned Location:**

Date Final Reclamation Started: \_\_\_\_\_

Date Final Reclamation Completed: \_\_\_\_\_

Final Land Use: \_\_\_\_\_

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

S/A/V: \_\_\_\_\_

Corrective Date: \_\_\_\_\_

Comment: \_\_\_\_\_

CA: \_\_\_\_\_

**Pits:** ☐ NO SURFACE INDICATION OF PIT

Pit Type: Drilling Pit Lined: YES Pit ID: \_\_\_\_\_ Lat: \_\_\_\_\_ Long: \_\_\_\_\_

**Lining:**

Liner Type: Plastic Liner Condition: Inadequate

Comment: Drilling pit liner has been compromised in several places.

**Fencing:**

Fencing Type: None Fencing Condition: \_\_\_\_\_

Comment: \_\_\_\_\_

**Netting:**

Netting Type: \_\_\_\_\_ Netting Condition: \_\_\_\_\_

Comment: \_\_\_\_\_

Anchor Trench Present: \_\_\_\_\_

Oil Accumulation: NO

2+ feet Freeboard: \_\_\_\_\_

Pit (S/A/V): ACTION

Comment: Provide a Form 27 per 900 and 1000 series rules for pit closure to COGCC environmental staff.

Corrective Action: \_\_\_\_\_

Date: \_\_\_\_\_

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Pit Type: Drilling Pit	Lined: NO	Pit ID:	Lat:	Long:
<b>Lining:</b>				
Liner Type:	Liner Condition:			
Comment: Unlined				
<b>Fencing:</b>				
Fencing Type: None	Fencing Condition:			
Comment:				
<b>Netting:</b>				
Netting Type:	Netting Condition:			
Comment:				
Anchor Trench Present:	Oil Accumulation: NO	2+ feet Freeboard:		
Pit (S/A/V): ACTION	Comment: Provide a Form 27 per 900 and 1000 series rules for pit closure to COGCC environmental staff.			
Corrective Action:				Date:

#### COGCC Comments

Comment	User	Date
On April 11, 2014 two soil samples were taken from the banks of an unlined pit located adjacent to the Maralex Katie Eileen 34-7-35 2. Although murky, the contents of this pit did not exhibit any visible sheen or have a detectable odor. No staining was observed along the banks. Two soil samples were taken from a lined drilling pit adjacent to the Maralex Katie Eileen 34-7-35 3. This pit appeared to contain down hole material as well as standing water. The liner to this pit has been compromised in various places. An area of concern is where the liner has been torn at the edge of the standing water. Given the pathway to native ground, these fluids present a potential environmental issue.	hughesj	04/29/2014

#### Attached Documents

You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
674900003	Unlined pit associated with Katie Eileen 34-7-35 #2	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3331024">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3331024</a>
674900004	Lined pit associated with Katie Eileen 34-7-35 #3	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3331025">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=3331025</a>