

2R - 1675

REPORTS

MAY – JUNE 2013

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company : LIME ROCK RESOURCES II-A, LP	Contact : Mike Barrett
Address : 1111 Bagby Street Suite 4600, Houston, TX 77002	Telephone No. : 575-623-8424
Facility Name : West Red Lake #41	Facility Type: West Red Lake Unit Water Station #1

Surface Owner : BLM	Mineral Owner: BLM	Lease No. : API #30-015-28443
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LOCATION OF RELEASE

Unit Letter B	Section 7	Township 18S	Range 27E	Feet from the 330'	North/South Line FNL	Feet from the 1800'	East/West Line FEL	County Eddy
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Latitude 32.76852 N Longitude -104.31437 W

NATURE OF RELEASE

Type of Release : Produced Fluids (70% PW & 30% OIL)	Volume of Release : 1685 bbls	Volume Recovered: 560 bbls recovered from containment & 1200 bbls recovered from Pecos River on 5/27/13
Source of Release : Alarm malfunction & secondary containment failure	Date and Hour of Occurrence: 5/26/13 am	Date and Hour of Discovery: 5/27/13 7:00 am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? BLM, OCD, State Police, EPA	
By Whom? Mike Barrett w/LRR	Date and Hour : 5/27/13 @ 7:00 am	
Was a Watercourse Reached? ☒ Yes ☐ No	If YES, Volume Impacting the Watercourse, 563 bbls	

If a Watercourse was Impacted, Describe Fully.* Produced fluids exited location and flowed down the draw into the Pecos River for approximately 3 miles.

Describe Cause of Problem and Remedial Action Taken.* The alarm malfunctioned causing tanks to overflow into secondary containment. The secondary containment failed causing the release of produced fluids to flow 1/2 mile down the draw into the Pecos River. All wells were shut in, the alarm was replaced and the impacted flow path in the draw was flushed with fresh water into lined pit at the bottom. Vacuum trucks (11) were immediately called to the location on 5/27/13. A berm was constructed at the bottom of the draw.

Describe Area Affected and Cleanup Action Taken.* 1/2 mile down the draw and approximately 3 miles of the Pecos River was effected. Vac trucks were called to the location and west side of river. Sorbent booms were stretched across the river in 4 places, oil skimmers were used to recover free product and impacted water.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Michael Barrett		Approved by District Supervisor:	
Title: Production Supervisor		Approval Date:	Expiration Date:
E-mail Address: mbarrett@limerockresources.com		Conditions of Approval:	
Date: 5/29/2013 Phone: 575-623-8424		Attached ☐	

* Attach Additional Sheets If Necessary

BUREAU OF LAND MANAGEMENT
WO MAJOR UNDESIRABLE EVENT (MUE) REPORTING FORMAT

BLM Office Reporting: Carlsbad Field Office					
BLM Employee: James A. Amos					
Company Official Reporting to BLM: Mike Barrett					
Operator: Limerock Resources					
Date/Time of Occurrence: 0600			Date/Time BLM Notified: 0930		
Field/Unit Name: West Red Lake Unit			Lease Number: NMNM71064X		
State: NM	County: Eddy	Twn: 18S	Rng: 27E	Sec: 7	Qtr: NWNE
Surface Ownership: (circle one)		Federal X	Indian	State	FEE
Type of Event: (circle one)	Oil Spill	Oil/Water Spill X	Gas Venting	Toxic Fluid Spill	
	Saltwater Spill	Other Spill (Specify)	Blowout	Fire	
	Injury	Fatality	Property Damage	Explosion	
Nature and Cause of Event: Water injection pumps went down, filling produced water storage tanks to overflow into a secondary overflow tank. That tank overflowed into a manufactured metal containment w/ a liner. The liner separated from the metal containment allowing the fluids (300 bbls +/-) to leave the lined containment. 5/29/13 Update. The operator ran his calculations and has changed the volume released from the 300 bbls to 1125-1175 bbls.					
Environmental Impact: Fluids ran into a deep ravine, traveled roughly ½ mile, and into the Pecos River.					
Time Required to Control Event (Hours):			Clean-up ongoing		
Volumes Discharged or Consumed:			Oil and Produced Water		
Volumes Recovered: Unknown at this time					
Action Taken to Control Event: Shut the water injection down. Water trucks removing water from the containment. Talon/LP Environmental on location at the river entry point placing booms and removing standing fluids. Have established three (3) boom deployments downstream roughly 2-1/2 to 3 miles from the entry point. Vac trucks pulling the oil from the boom deployment sites. There is minor sheen getting past the booms. The biggest issue will be getting the oil to release from the weeds that have blown into the river channel. Will look at the possibility of bioremediation to address the vegetation. Will be flushing the arroyo and recovering the flush. Note: river flow 20-30 CFS. 5/29/13, flushing of the arroyo is still ongoing using fresh water and soap in an attempt to remove the hydrocarbon impact. The EPA is not allowing the use of any bioremediation products in the river channel. They are still evaluating the use in the arroyo. At this time our options are to burn the impacted weeds in the channel, remove (approved by EPA), or leave in place. We will be removing the impacted weeds.					
Resultant Damage: River impact, ½ mile of drainage. 5/29/13, the booms have performed well, changing out to keep clean and keeping the ability to absorb any remaining hydrocarbons.					
Clean-Up Procedures: Boom deployment and vac to pick up the oil in the river, flush the arroyo, and contaminant removal at the release facility. 5/29/13, ongoing. 5/30/13, flushing is ongoing to remove any residual effects, they will be brushing the arroyo. Getting significant amounts of product out of the Alkali Sacaton in the main draw. This will continue. We will be starting a sweep from the river entry point working downstream removing the weeds impacted with oil					

residue and removing them from the channel. At this time we will also be removing any oil lingering on the banks. Have found some heavier product on the bottom of the channel. We feel confident on being able to vacuum this product up and get out of channel, with any product moved downstream being captured in our boom deployment. 5/31/13, continued flushing out the Alkali Sacaton bottoms, getting a lot of oil out. However, the vegetation is impeding a quick removal. Set up to burn the Alkali Sacaton to get it out of the way so we can get the oil out prior to potential rains this weekend (20% chance Sat. & Sun.). This will be an effort to keep out of the river. Set up to start removing the oil saturated vegetation out of the river, starting today. Continuing with removing any oil that might show up at the boom deployment site. **5/31/13, conducted a controlled burn utilizing BLM fire crew. The burn was used to remove the thick vegetation in Alkali Sacaton bottoms. This was where we were having trouble pushing the oil out of the channels under the vegetation. This worked very well. We've exposed what is left, burned most of the oil. Starting Monday we will start excavating the channels to remove the remaining contaminants. 6/1/13 and 6/2/13, crews covered the first mile of the river, removing the saturated vegetation and moving any oils downstream to the boom deployments. Taking some samples from the deeper pools to determine if anything is settling on the bottom. This process may take another 3-4 days as we still have 1.7 miles to go.**

Cause/Extent of Personal Injury: No injury

Agency Notification List: (Federal/State/Local):	Agency Name	Contact Name	Date/Time
	EPA	Unknown by operator	5/27/13 0800
	BLM, CFO	Jim Stovall,	5/27/13 0930
		George MacDonell, Terry Gregston Hazmat), Mark Cofield (LE)	5/28/13 0800
	NMOCD	Answering Service Operator notified	5/27/13 0800
	BLM, NMSO	John Bramhall, Becky Hunt, Lisa Morrison	5/28/13 0800
	BLM, WO	Dutta Subijoy, Evia Aristotle, Jerome Edward, Jeff Krauss, Janet Lin, Michael Nedd, Robyn Shoop, Timothy Spisak, Rodney Walker, Steven Wells	5/28/13 0800

Remarks: James Amos will be the point of contact for this event @ 575-234-5909 (office) or 575-361-2648 (cell).

Initial Report_____ **Follow-Up Report**_____5/31/13_____ **Final Report**_____

BUREAU OF LAND MANAGEMENT
WO MAJOR UNDESIRABLE EVENT (MUE) REPORTING FORMAT

BLM Office Reporting: Carlsbad Field Office					
BLM Employee: James A. Amos					
Company Official Reporting to BLM: Mike Barrett					
Operator: Limerock Resources					
Date/Time of Occurrence: 0600			Date/Time BLM Notified: 0930		
Field/Unit Name: West Red Lake Unit			Lease Number: NMNM71064X		
State: NM	County: Eddy	Twn: 18S	Rng: 27E	Sec: 7	Qtr: NWNE
Surface Ownership: (circle one)		Federal X	Indian	State	FEE
Type of Event: (circle one)	Oil Spill	Oil/Water Spill X	Gas Venting	Toxic Fluid Spill	
	Saltwater Spill	Other Spill (Specify)	Blowout	Fire	
	Injury	Fatality	Property Damage	Explosion	
Nature and Cause of Event: Water injection pumps went down, filling produced water storage tanks to overflow into a secondary overflow tank. That tank overflowed into a manufactured metal containment w/ a liner. The liner separated from the metal containment allowing the fluids (300 bbls +/-) to leave the lined containment. 5/29/13 Update. The operator ran his calculations and has changed the volume released from the 300 bbls to 1125-1175 bbls.					
Environmental Impact: Fluids ran into a deep ravine, traveled roughly ½ mile, and into the Pecos River.					
Time Required to Control Event (Hours):			Clean-up ongoing		
Volumes Discharged or Consumed: 1127			Oil and Produced Water		
Volumes Recovered: Unknown at this time					
Action Taken to Control Event: Shut the water injection down. Water trucks removing water from the containment. Talon/LP Environmental on location at the river entry point placing booms and removing standing fluids. Have established three (3) boom deployments downstream roughly 2-1/2 to 3 miles from the entry point. Vac trucks pulling the oil from the boom deployment sites. There is minor sheen getting past the booms. The biggest issue will be getting the oil to release from the weeds that have blown into the river channel. Will look at the possibility of bioremediation to address the vegetation. Will be flushing the arroyo and recovering the flush. Note: river flow 20-30 CFS. 5/29/13, flushing of the arroyo is still ongoing using fresh water and soap in an attempt to remove the hydrocarbon impact. The EPA is not allowing the use of any bioremediation products in the river channel. They are still evaluating the use in the arroyo. At this time our options are to burn the impacted weeds in the channel, remove (approved by EPA), or leave in place. We will be removing the impacted weeds.					
Resultant Damage: River impact, ½ mile of drainage. 5/29/13, the booms have performed well, changing out to keep clean and keeping the ability to absorb any remaining hydrocarbons.					
Clean-Up Procedures: Boom deployment and vac to pick up the oil in the river, flush the arroyo, and contaminant removal at the release facility. 5/29/13, ongoing. 5/30/13, flushing is ongoing to remove any residual effects, they will be brushing the arroyo. Getting significant amounts of product out of the Alkali Sacaton in the main draw. This will continue. We will be starting a sweep from the river entry point working downstream removing the weeds impacted with oil					

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Cause/Extent of Personal Injury: No injury

Agency Notification List: (Federal/State/Local):	Agency Name	Contact Name	Date/Time
	EPA	Unknown by operator	5/27/13 0800
	BLM, CFO	Jim Stovall, George MacDonell, Terry Gregston Hazmat), Mark Cofield (LE)	5/27/13 0930 5/28/13 0800
	NMOCD	Answering Service Operator notified	5/27/13 0800
	BLM, NMSO	John Bramhall, Becky Hunt, Lisa Morrison	5/28/13 0800
	BLM, WO	Dutta Subijoy, Evia	5/28/13 0800

		Aristotle, Jerome Edward, Jeff Krauss, Janet Lin, Michael Nedd, Robyn Shoop, Timothy Spisak, Rodney Walker, Steven Wells	
Remarks: James Amos will be the point of contact for this event @ 575-234-5909 (office) or 575-361-2648 (cell).			

Initial Report_____ **Follow-Up Report**____6/4/13____ **Final**
Report_____

BUREAU OF LAND MANAGEMENT
WO MAJOR UNDESIRABLE EVENT (MUE) REPORTING FORMAT

BLM Office Reporting: Carlsbad Field Office					
BLM Employee: James A. Amos					
Company Official Reporting to BLM: Mike Barrett					
Operator: Limerock Resources					
Date/Time of Occurrence: 0600			Date/Time BLM Notified: 0930		
Field/Unit Name: West Red Lake Unit			Lease Number: NMNM71064X		
State: NM	County: Eddy	Twn: 18S	Rng: 27E	Sec: 7	Qtr: NWNE
Surface Ownership: (circle one)		Federal X	Indian	State	FEE
Type of Event: (circle one)	Oil Spill	Oil/Water Spill X	Gas Venting	Toxic Fluid Spill	
	Saltwater Spill	Other Spill (Specify)	Blowout	Fire	
	Injury	Fatality	Property Damage	Explosion	
Nature and Cause of Event: Water injection pumps went down, filling produced water storage tanks to overflow into a secondary overflow tank. That tank overflowed into a manufactured metal containment w/ a liner. The liner separated from the metal containment allowing the fluids (300 bbls +/-) to leave the lined containment. 5/29/13 Update. The operator ran his calculations and has changed the volume released from the 300 bbls to 1125-1175 bbls.					
Environmental Impact: Fluids ran into a deep ravine, traveled roughly ½ mile, and into the Pecos River.					
Time Required to Control Event (Hours):			Clean-up ongoing		
Volumes Discharged or Consumed: 1127			Oil and Produced Water		
Volumes Recovered: Unknown at this time					
Action Taken to Control Event: Shut the water injection down. Water trucks removing water from the containment. Talon/LP Environmental on location at the river entry point placing booms and removing standing fluids. Have established three (3) boom deployments downstream roughly 2-1/2 to 3 miles from the entry point. Vac trucks pulling the oil from the boom deployment sites. There is minor sheen getting past the booms. The biggest issue will be getting the oil to release from the weeds that have blown into the river channel. Will look at the possibility of bioremediation to address the vegetation. Will be flushing the arroyo and recovering the flush. Note: river flow 20-30 CFS. 5/29/13, flushing of the arroyo is still ongoing using fresh water and soap in an attempt to remove the hydrocarbon impact. The EPA is not allowing the use of any bioremediation products in the river channel. They are still evaluating the use in the arroyo. At this time our options are to burn the impacted weeds in the channel, remove (approved by EPA), or leave in place. We will be removing the impacted weeds.					
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Clean-Up Procedures: Boom deployment and vac to pick up the oil in the river, flush the arroyo, and contaminant removal at the release facility. 5/29/13, ongoing. 5/30/13, flushing is ongoing to remove any residual effects, they will be brushing the arroyo. Getting significant amounts of product out of the Alkali Sacaton in the main draw. This will continue. We will be starting a sweep from the river entry point working downstream removing the weeds impacted with oil					

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regular basis. We also discussed the need to conduct a similar review with the operator and the contractor when the event starts winding down. Another shortfall would be prepping a NEPA document early in the process. We did touch base with the specialist to assure we're not taking every step to protect, archaeology, T&E, cave/karst, etc. However, no solid document. Stuff to work on.

Cause/Extent of Personal Injury: No injury

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Remarks: James Amos will be the point of contact for this event @ 575-234-5909 (office) or 575-361-2648 (cell).

Initial Report _____ Follow-Up Report ____6/9/13____ Final
Report _____

BUREAU OF LAND MANAGEMENT
WO MAJOR UNDESIRABLE EVENT (MUE) REPORTING FORMAT

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Resultant Damage: River impact, ½ mile of drainage. 5/29/13, the booms have performed well, changing out to keep clean and keeping the ability to absorb any remaining hydrocarbons.					
Clean-Up Procedures: Boom deployment and vac to pick up the oil in the river, flush the arroyo, and contaminant removal at the release facility. 5/29/13, ongoing. 5/30/13, flushing is ongoing to remove any residual effects, they will be brushing the arroyo. Getting significant amounts of product out of the Alkali Sacaton in the main draw. This will continue. We will be starting a sweep from the river entry point working downstream removing the weeds impacted with oil					

residue and removing them from the channel. At this time we will also be removing any oil lingering on the banks. Have found some heavier product on the bottom of the channel. We feel confident on being able to vacuum this product up and get out of channel, with any product moved downstream being captured in our boom deployment. 5/31/13, continued flushing out the Alkali Sacaton bottoms, getting a lot of oil out. However, the vegetation is impeding a quick removal. Set up to burn the Alkali Sacaton to get it out of the way so we can get the oil out prior to potential rains this weekend (20% chance Sat. & Sun.). This will be an effort to keep out of the river. Set up to start removing the oil saturated vegetation out of the river, starting today. Continuing with removing any oil that might show up at the boom deployment site. 5/31/13, conducted a controlled burn utilizing BLM fire crew. The burn was used to remove the thick vegetation in Alkali Sacaton bottoms. This was where we were having trouble pushing the oil out of the channels under the vegetation. This worked very well. We've exposed what is left, burned most of the oil. Starting Monday we will start excavating the channels to remove the remaining contaminants. 6/1/13 and 6/2/13, crews covered the first mile of the river, removing the saturated vegetation and moving any oils downstream to the boom deployments. Taking some samples from the deeper pools to determine if anything is settling on the bottom. This process may take another 3-4 days as we still have 1.7 miles to go. 6/3/13, crews progressing on the river channel clean-up (1/2 mile day), encountering a couple of active Rattlesnakes on the banks. Met with the operator and contractor, will be starting the removal of contaminants in the Alkali Sacaton bottoms (burned Friday, today we have green shoots 3" long popping up) today. We discussed the washing of the arroyo with high pressure hoses to complete the clean-up of that section. By the end of the week we should have the spill event listed as controlled. 6/4/13-6/6/13 river clean-up is progressing, may be through by the end of today. I will be walking the channel tomorrow to verify this portion as being complete and meeting our objectives. The removal of the contaminants that went through the Alkali Sacaton bottoms is ongoing. The initial removal may be complete by the end of the day. When this is completed we will be starting the delineation of the site to determine the next step. Still getting the arroyo final clean-up on the drawing board (washing with soap and water the most likely process, catching the rinse in a sump at the base of the arroyo). I did receive a copy of the C-141 (NMOCD spill report). The numbers have changed again. The total release showing 1685 bbls, with the split being 70% produced water and 30% oil. Volumes recovered include 560 bbls recovered from containments and 1200 bbls recovered from the river on 5/27/13. They are also showing only 563 bbls having entered the river. These numbers are all over the place, I'm not sure any or much can be validated at this time. Hoping by Monday we'll be back to a standard type clean-up and remediation. 6/7/13 this morning I walked the entire length of the Pecos River that has been impacted. For the most part the channel is looking good. We have removed most if not all the impacted weeds that had blown into the channel. We do have some oil on the west bank of the channel that was left. The contractor involved in the removal is a couple hundred feet from the uppermost booms. This area is a concern as we have a significant amount of oil hanging on the bottom of the channel (not quite tar balls, but just too heavy to float down, they seem to roll along the bottom). Having the operator continue to the last boom, and then go back to the uppermost impacted area and make a significant effort to remove all impacts. This process should be ongoing thru the weekend. The contractor is set up to wash the draw above the Alkali Sacaton bottoms. They have constructed a catchment at the base of the draw to catch any fluids that would make it down during the high pressure washing. The Alkali Sacaton bottom should be ready for sampling, will assure this process is started early this week. Friday afternoon NMSO and the CFO went thru an After Action Review, looking at the event to determine success and where we need to improve our processes. Our biggest issues were centered around communication and the need to have a better phone tree (probably tier off the HAZMAT tree). As the event occurred on a long holiday weekend, some key contacts were not made, emergency numbers should be available. Also need to update on a regular basis. We also discussed the need to conduct a similar review with the

operator and the contractor when the event starts winding down. Another shortfall would be prepping a NEPA document early in the process. **We did touch base with the specialist to assure we're taking every step to protect, archaeology, T&E, cave/karst, etc. However, no solid document. Stuff to work on. 6/8-10/13, crews working on river channel clean-up and hauling the contaminants to disposal facility. 6/11/13, started the washing and cleaning of the arroyo utilizing a bio-degradable soap and fresh water. The wash is being applied with a high pressure washer. Should be through late today or early tomorrow. The early indicators are looking good. Talon/LP pulled soil samples to delineate the Alkali Sacaton bottoms. Cardinal Labs will be running the analysis. Final excavations will depend on the analysis.**

Cause/Extent of Personal Injury: No injury

Agency Notification List: (Federal/State/Local):	Agency Name	Contact Name	Date/Time
	EPA	Unknown by operator	5/27/13 0800
	BLM, CFO	Jim Stovall, George MacDonell, Terry Gregston Hazmat), Mark Cofield (LE)	5/27/13 0930 5/28/13 0800
	NMOCD	Answering Service Operator notified	5/27/13 0800
	BLM, NMSO	John Bramhall, Becky Hunt, Lisa Morrison	5/28/13 0800
	BLM, WO	Dutta Subijoy, Evia Aristotle, Jerome Edward, Jeff Krauss, Janet Lin, Michael Nedd, Robyn Shoop, Timothy Spisak, Rodney Walker, Steven Wells	5/28/13 0800
Remarks: James Amos will be the point of contact for this event @ 575-234-5909 (office) or 575-361-2648 (cell).			

Initial Report____5/27/13____ **Follow-Up Report**____6/12/13____ **Final Report**_____









