District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-144 Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office. For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

<u>Pit, Below-Grade Tank, or</u> <u>Proposed Alternative Method Permit or Closure Plan Application</u>	RECEIVED		
Type of action: Below grade tank registration Permit of a pit or proposed alternative method	SEP 1 2 2013		
Closure of a pit, below-grade tank, or proposed alternative method Modification to an existing permit/or registration Closure plan only submitted for an existing permitted or non-permitted pit,	NMOCD ARTESIA		
or proposed alternative method			
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternate Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface we environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's	vater, ground water or the		
1. Operator: OGRID #: OGRID #: OI3837			
Address:PO Box 960, Artesia, NM 88210-0960			
Facility or well name: Round Tank Permanent Pit # 1 Untreated Water API Number: OCD Permit Number: 144P-16194			
U/L or Qtr/Qtr L NW1/4 of SW 1/4 Section 19 Township 15S Range 29E County:	Chaves		
Center of Proposed Design: Latitude <u>32.9996690 N</u> Longitude <u>104.0689428 W</u> NAD: \Box 1927 \boxtimes 1983			
	pAB1929639375		
Temporary: Drilling Workover Permanent Emergency Cavitation P&A Multi-Well Fluid Management Low Chloride Drilling Fluid yes X no Lined Unlined Liner type: Thickness 30mil LLDPE HDPE PVC Other Dura-Skrim K30B String-Reinforced			
	x W <u>198</u> x D <u>16</u>		
3. Reinw-grade tank: Subsection I of 19 15 17 11 NMAC	x W <u>198</u> x D <u>16</u>		
3. Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume:	x W <u>198</u> x D <u>16</u>		
Below-grade tank: Subsection I of 19.15.17.11 NMAC	x W <u>198</u> x D <u>16</u>		
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: bbl Type of fluid: Tank Construction material: Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	x W <u>198</u> x D <u>16</u>		
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: bbl Type of fluid: Tank Construction material: Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls and liner Visible sidewalls only Other	x W <u>198</u> x D <u>16</u>		
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: bbl Type of fluid: Tank Construction material: Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls and liner Visible sidewalls only Other Liner type: Thickness mil HDPE PVC Other	x W <u>198</u> x D <u>16</u>		
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: bbl Type of fluid: Tank Construction material: Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls and liner Visible sidewalls only Other	-		
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: bbl Type of fluid:	-		
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume:	r consideration of approval.		
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: bbl Type of fluid: Tank Construction material:	r consideration of approval.		
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume:	r consideration of approval.		

Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)

Screen 🛛 Netting 🗌 Other_

Monthly inspections (If netting or screening is not physically feasible)

Signs: Subsection C of 19.15.17.11 NMAC

🛛 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

Signed in compliance with 19.15.16.8 NMAC

Variances and Exceptions:

7.

8.

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9. Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.

<u>General siting</u>	
 <u>Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.</u> NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	□ Yes □ No ⊠ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells See Figures 1 & 2	□ Yes ⊠ No □ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) See Figure 5 - Written confirmation or verification from the municipality; Written approval obtained from the municipality	🔲 Yes 🛛 No
 Within the area overlying a subsurface mine. (Does not apply to below grade tanks) See Figure 7 Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 	🗆 Yes 🛛 No
 Within an unstable area. (Does not apply to below grade tanks) See Figure 8 Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	🗋 Yes 🛛 No
Within a 100-year floodplain. (Does not apply to below grade tanks) See Figure 9 - FEMA map	🗌 Yes 🛛 No
Below Grade Tanks	
 Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
 Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
 Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes No
 Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	Yes No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	🗌 Yes 🗍 No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes No
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image. 	Yes No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	🗋 Yes 🗋 No
 Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
Permanent Pit or Multi-Well Fluid Management Pit	
 Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). See Figure 3 Topographic map; Visual inspection (certification) of the proposed site 	🗋 Yes 🛛 No
 Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image See Figure 4 	🗌 Yes 🛛 No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. See Figures 1 & 2 - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	🗋 Yes 🛛 No
 Within 500 feet of a wetland. See Figure 6 US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	🗆 Yes 🛛 No
10. <u>Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist:</u> Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.10 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
Previously Approved Design (attach copy of design) API Number: or Permit Number:	
11. Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.10 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Previously Approved Design (attach copy of design) API Number:	

12. Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H₂S, Prevention Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of 19.15.17.9 NMAC and 19.15.17.13 NMAC 	locuments are	
13. Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan. Type: Drilling Workover Emergency Cavitation P&A X Permanent Pit Below-grade Tank Multi-well FI Alternative Alternative Proposed Closure Method: X Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial Alternative Closure Method	uid Management Pit	
 Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC 		
15. <u>Siting Criteria (regarding on-site closure methods only)</u> : 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.		
Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ Yes □ No □ NA	
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ Yes □ No □ NA	
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ Yes □ No □ NA	
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	🔲 Yes 🗍 No	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	🗌 Yes 🗌 No	
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	🗌 Yes 🗌 No	
Written confirmation or verification from the municipality; Written approval obtained from the municipality	🗋 Yes 🗍 No	
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	🗌 Yes 🛛 No	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance		

	and the second sec	
 dopted pursuant to NMSA 1978, Section 3-27-3, as amended. Written confirmation or verification from the municipality; Written approval obtained from the municipality 	🗆 Yes 🗌 No	
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division		
Within an unstable area.		
 Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	Yes No	
Within a 100-year floodplain. - FEMA map	Yes No	
 5. <u>Dn-Site Closure Plan Checklist</u>: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC 		
<u>Decrator Application Certification</u> : I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and beli	ie F	
	ici,	
Vame (Print): Lee Livingston Title: Operations Manager		
Signature: W. deer dimension Date: September 5, 2013		
relephone: <u>575-748-1288</u>		
>mail address: lcel@mec.com Telephone: 575-748-1288 >CD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) >CD Representative Signature: Closure by Approval by Approval by	2014	
2CD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) Per (e used by Approval by	2014	
<u> CD Approval:</u> Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) CD Representative Signature: Clean Von Conten TomisAuly Approval Date: 4/8/	the closure report.	
CD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment),	the closure report.	
CD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment), CD Representative Signature: Clean Von Granden Transition (including closure plan) Closure Plan (only) OCD Conditions (see attachment), CD Representative Signature: Clean Von Granden Transition (including closure plan) Closure Plan (only) OCD Conditions (see attachment), CD Representative Signature: Clean Von Granden Transition (including closure plan) Closure Plan (only) OCD Conditions (see attachment), CD Representative Signature: Clean Von Granden Transition (including closure completion): 19.15.17.13 NMAC ?. Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC ?. Closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not ection of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date:	t complete this	
CD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) CD Representative Signature: Clean Von Control Provided by Approved by Approved by Approved by Approved by CCD Permit Number: 144P-16194 Cittle: OCD Permit Number: 144P-16194 Cocd Permit Number: 144P-	t complete this	
CD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) CD Representative Signature: Approval by Approval by Approval by Approval Date: 4/8/ Cittle:OCD Permit Number: 144P-16194 2. Concentrations: Operators are regulated to obtain an approved closure plan plan pirot to implementing any closure activities and submitting fine closure report is regulated to be submitted to the division within 60 days of the completion of the closure activities. Please do not ection of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Method: Closure Method: Closure Report Attachment Checklist; Instructions: Each of the following items must be attached to the closure report. Please in nark in the box, that the documents are attached. Proof of Deed Notice (surface owner and division) Proof of Deed Notice (required for on-site closure for private land only)	t complete this	
	t complete this	
A 2CD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) 2CD Representative Signature: Clean Von Conto Approval by Approval Date: 4/8/2 9. Coure Report (required within 60 days of closure completion): 19.15.17.13 NMAC 7. Coure Report (required within 60 days of closure completion): 19.15.17.13 NMAC 7. Cosure Report (required within 60 days of closure completion): 19.15.17.13 NMAC 7. Cosure Report (required to be submitted to the division within 60 days of the completion of the closure activities and submitting the closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not ection of the form until an approved closure plan has been obtained and the closure activities have been completed. 16. Closure Report Attachment Checklist; Instructions: Each of the following items must be attached to the closure report. Please in nark in the box, that the documents are attached. 17. Proof of Closure Notice (surface owner and division) 19. Proof of Closure Notice (surface owner and division) 19. Proof of Closure Notice (required for on-site closure for private land only) 19. Plot Plan (for on-site closures and temporary pits) 10. Confirmation Sampling Analytical Results (required for on-s	t complete this	
DCD Approval: Control Application (including closure plan) Closure Plan (only) CCD Conditions (see attachment) DCD Representative Signature: Control Approval Date: Control Determit Number: Control Date: Control Control Date: Contro	t complete this	
CD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) CD Representative Signature: Clean YonGordon Towni/Stri/Y Approval Date: 4/8/ Fitte:OCD Permit Number: 144P-16194 9. Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC 9. Plosure Report (required within 60 days of closure completion): 19.15.17.13 NMAC 9. 9. Plosure Report (required within 60 days of closure completion): 19.15.17.13 NMAC 9. 9. 1. 1. 1. 1. 1. 1. 1. 2. 1. 1. 1. 1. 2. 1. 1. 2. 1. 1. 2. 1. 2. 1. 2. 1. 2. 1. 2. 2. 2. 2. 3. 3. 3. 3. 4. 3. 3. 4. 3. 4. 3. 4. 3. 4.	t complete this	
DCD Approval: Control Application (including closure plan) Closure Plan (only) CCD Conditions (see attachment) DCD Representative Signature: Control Approval Date: Control Determit Number: Control Date: Control Control Date: Contro	t complete this	

22. Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closure repo belief. I also certify that the closure complies with all applicable closure requirement	
Name (Print):	Title:
Signature:	Date:
e-mail address:	Telephone:



RECEIVED SEP 1 2 2013 NMOCD ARTESIA

Post Office Box 960 Artesia, NM 88211-0960 Office (505) 7-i8-1288 Fax (505) 746-9539

September 5, 2013

Mr. Scott Dawson Deputy Director, NMOCD 1220 South St. Francis Drive Santa Fe, New Mexico 87505 Via E-Mail and US Mail

RE: C-144 Application for Permanent Pits to Re-use Water

Dear Scott:

The attached C-144 forms attached to this email are the result of our August 22 meeting with you, Director Bailey and Mr. Wade. As I mentioned in our telephone conversation, the Rule directs us to submit applications to the OCD Santa Fe Office, so we are submitting the packages to you. I am glad to hear that you will be involved with the review process. If you have any questions, please contact me or Mr. Randall Hicks (505-266-5004). Mr. Hicks will hand deliver the paper copy of the C-144 and Supplemental Information to your office tomorrow. This letter is copied to the State Land Office and I have directed Mr. Hicks to transmit the Supplemental Information to you and the SLO.

Although each permit application is a complete, stand-alone document, both packages are essentially identical. The Executive Summary of the Supplemental Information provides an overview of the included material and might assist reviewers in determining that each package is administratively complete

Finally, we anticipate commencing the water re-use during a drilling and stimulation program in January of 2014. To make this proposed start date, we hope to meet the following schedule:

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Submit Applications
Optional afternoon meeting with OCD to discuss applications
Submit additional information if requested in meeting
NMOCD Permit Approval
Begin construction
Submit geotechnical study with recommendations for pit foundation and any revisions to design construction plan
Begin lining Round Tank Pit #1 (untreated water storage)
Begin filling Pit #1 with untreated water and begin lining Pit #2
Treatment system testing with re-use treated water for drilling and begin filling Pit #2
Full scale re-use of water for drilling and stimulation

Mack Energy believes this water re-use program will be one of the first of many in New Mexico under the new Rule. We look forward to working with OCD to make it happen.

Sincerely, Mack Energy Corporation

W. dec hain

Lee Livingston

Copy: NM State Land Office, Terry Warnell