

3R - 113

**APPROVALS**

**YEAR(S):**

2000-1999



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**

Governor

**Jennifer A. Salisbury**

Cabinet Secretary

**Lori Wrotenbery**

Director

**Oil Conservation Division**

December 14, 2000

**CERTIFIED MAIL**

**RETURN RECEIPT NO: 5051-3983**

Ms. Nina Hutton  
Cross Timbers Oil Company  
810 Houston St., Suite 2000  
Fort Worth, Texas 76102-6298

**RE: PIT CLOSURE/GROUND WATER MONITORING REPORTS**

Dear Ms. Hutton:

The New Mexico Oil Conservation Division (OCD) has reviewed Cross Timbers Oil Company's (CTOC) February 21, 2000 "1999 ANNUAL GROUNDWATER REPORTS, SAN JUAN COUNTY, NEW MEXICO, PERMANENT CLOSURE REQUESTED" which was submitted on behalf of CTOC by their consultant Blagg Engineering, Inc. This document contains the results of CTOC's investigation, remediation and monitoring of soil and ground water contamination related to the disposal of oilfield wastes in unlined pits at 10 sites in the San Juan Basin and requests closure of the remedial actions.

Below is the OCD's review of the above referenced document:

- A. The soil and ground water remedial actions at the sites listed below are satisfactory and the OCD **approves** of the closure of these pit sites. Please be advised that OCD approval does not relieve CTOC of responsibility if remaining contaminants pose a future threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve CTOC of responsibility for compliance with any other federal, state, tribal or local laws and regulations.

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|----|---------------------------------|------------------------------|
| 1. | Hare GC C #1 (Blow pit)         | Unit M, Sec. 25, T29N, R10W. |
| 2. | Pearce GC #1E (Blow pit)        | Unit J, Sec. 23, T29N, R11W. |
| 3. | Sanchez GC #1 (Blow pit)        | Unit G, Sec. 28, T29N, R10W. |
| 4. | Texas National GC #1 (Blow pit) | Unit L, Sec. 19, T29N, R09W. |

B. The sites listed below were initially found to have ground water contaminated with benzene, toluene, ethylbenzene and xylene (BTEX) in excess of New Mexico Water Quality Control Commission (WQCC) standards. The reports for these sites contain only one subsequent round of water quality sampling events demonstrating that ground water currently meets WQCC standards. CTOC's approved ground water management plan required that all sites contaminated in excess of the WQCC standards would not be submitted for final closure until ground water quality at all monitoring points were below WQCC standards for a minimum of 4 consecutive quarters. Therefore, approval of the closure actions at these sites is **denied**. The OCD requires that CTOC continue ground water quality monitoring at these sites. Pursuant to the previously approved ground water management plan, the OCD will reconsider issuing final closure approval after CTOC demonstrates that ground water quality at all monitoring points are below WQCC standards for a minimum of 4 consecutive quarters.

In addition, the OCD could not find that any analytical results have been submitted for the landfarm activities at the Haney GC B#1E site. Please include these results in all future final closure requests.

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|---------------------------------------|------------------------------|
| 1. Baca GC A #1A (Blow/separator pit) | Unit F, Sec. 26, T29N, R10W. |
| 2. Haney GC B#1E (Separator pit)      | Unit M, Sec. 20, T29N, R10W. |
| 3. Masden GC #1E (Blow pit)           | Unit D, Sec. 28, T29N, R11W. |
| 4. McDaniel GC B#1E (Dehy pit)        | Unit F, Sec. 26, T29N, R10W. |
| 5. Snyder GC #1A (Blow pit)           | Unit E, Sec. 19, T29N, R09W. |
| 6. Sullivan Frame A#1E (Dehy pit)     | Unit A, Sec. 30, T29N, R10W. |

If you have any questions, please contact me at (505) 827-7154.

Sincerely,



William C. Olson  
Hydrologist  
Environmental Bureau

xc: Denny Foust, OCD Aztec District Office  
Bill Liess, BLM Farmington District Office  
Nelson Velez, Blagg Engineering, Inc.



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO  
SANTA FE, NEW MEXICO 87505  
(505) 827-7131

April 22, 1999

**CERTIFIED MAIL**

**RETURN RECEIPT NO: Z-274-520-642**

Ms. Nina Hutton  
Cross Timbers Oil Company  
810 Houston St., Suite 2000  
Fort Worth, Texas 76102-6298

**RE: PIT CLOSURE/GROUND WATER MONITORING REPORTS**

Dear Ms. Hutton:

The New Mexico Oil Conservation Division (OCD) has reviewed Cross Timbers Oil Company's (CTOC) February 17, 1999 "CROSS TIMBERS OIL CO. (AMOCO) PIT CLOSURE/GROUNDWATER MONITORING REPORTS, SAN JUAN COUNTY, NEW MEXICO" which was submitted on behalf of CTOC by their consultant Blagg Engineering, Inc. This document contains the results of CTOC's investigation, remediation and monitoring of ground water contamination related to the disposal of oilfield wastes in unlined pits at 20 sites in the San Juan Basin and requests closure of the remedial actions.

Below is the OCD's review of the above referenced documents:

A. The soil and ground water remedial actions at the sites listed below are satisfactory and the OCD approves of the closure of these pit sites. Please be advised that OCD approval does not relieve CTOC of liability if remaining contaminants pose a future threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve CTOC of responsibility for compliance with any other federal, state, tribal or local laws and regulations.

1. Abrams GC C #1 (Blow pit)
2. Anderson GC A#1 (Blow pit)
3. Armenta GC A#1 (Blow pit)
4. Baca GC A#1 (Blow pit)
5. Baca GC A#1 (Dehy pit)
6. Chavez GC C#1R (Blow/seperator pit)
7. Federal GC 3-1 (Blow pit)
8. Garcia GC B#1E (Blow pit)
9. Hare GC C#1 (Blow pit)
10. Hare GC C#1E (Blow pit)

Unit F, Sec. 25, T29N, R10W.  
Unit C, Sec. 28, T29N, R10W.  
Unit D, Sec. 27, T29N, R10W.  
Unit H, Sec. 26, T29N, R10W.  
Unit H, Sec. 26, T29N, R10W.  
Unit J, Sec. 23, T29N, R10W.  
Unit N, Sec. 23, T29N, R10W.  
Unit M, Sec. 21, T29N, R10W.  
Unit M, Sec. 25, T29N, R10W.  
Unit F, Sec. 25, T29N, R10W.

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|--------------------------------------|------------------------------|
| 11. Hare GC F#1 (Separator pit)      | Unit G, Sec. 23, T29N, R11W. |
| 12. Lefkovitz GC B#1 (Blow pit)      | Unit A, Sec. 25, T29N, R10W. |
| 13. Lefkovitz GC B#1 (Separator pit) | Unit A, Sec. 25, T29N, R10W. |
| 14. Masden GC #1 (Separator pit)     | Unit A, Sec. 28, T29N, R11W. |
| 15. Romero GC A#1 (Separator pit)    | Unit K, Sec. 27, T29N, R10W. |
| 16. Stedje GC #1 (Blow pit)          | Unit F, Sec. 27, T30N, R12W. |
| 17. Stedje GC #1E (Separator pit)    | Unit A, Sec. 27, T30N, R12W. |
| 18. Trujillo GC A#1 (Blow pit)       | Unit C, Sec. 28, T29N, R10W. |

B. The sites listed below have chloride and/or total dissolved solids (TDS) contamination of ground water in excess of New Mexico Water Quality Control Commission (WQCC) standards. In addition, the downgradient and/or lateral extent of chloride and/or TDS contamination in ground water at these sites has not been completely defined. Therefore, approval of the closure actions at these sites is denied. The OCD requires that CTOC investigate the extent of and remediate these contaminants at each site pursuant to the previously approved ground water management plan.

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|---------------------------------------|------------------------------|
| 1. Baca GC A #1A (Blow/separator pit) | Unit F, Sec. 26, T29N, R10W. |
| 2. Haney GC B#1E (Separator pit)      | Unit M, Sec. 20, T29N, R10W. |

If you have any questions, please contact me at (505) 827-7154.

Sincerely,



William C. Olson  
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