

GW - 216

**GENERAL
CORRESPONDENCE**

YEAR(S):

2007-1995

ARAPAHOE DRILLING CO., INC.

P. O. BOX 26687

ALBUQUERQUE, NEW MEXICO 87125

STEVE SCHALK
PRESIDENT

March 27, 2002 2 PM 12 41

Mr. Edward J. Hansen
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: Public Notice of Filing Affidavit: GW216

Dear Mr. Hansen:

Enclosed please find the Affidavit of Publication for the Public Notice of Filing for the renewal of our Discharge Plan GW216. We just received this Affidavit from the Farmington Daily Times.

Yours truly,



Steve Schalk
President

SS/kd
Enc.

AFFIDAVIT OF PUBLICATION

Ad No. 54756

**STATE OF NEW MEXICO
County of San Juan:**

ROBIN ALLISON, being duly sworn says:
That she is the CLASSIFIED MANAGER of
THE DAILY TIMES, a daily newspaper of
general circulation published in English at
Farmington, said county and state, and that
the hereto attached Legal Notice was
published in a regular and entire issue of the
said DAILY TIMES, a daily newspaper duly
qualified for the purpose within the meaning of
Chapter 167 of the 1937 Session Laws of the
State of New Mexico for publication and
appeared in the Internet at The Daily Times
web site on the following day(s):

Thursday, March 08, 2007

And the cost of the publication is \$165.58



ON 3/20/07 ROBIN ALLISON
appeared before me, whom I know personally
to be the person who signed the above
document.


My Commission Expires November 17, 2008

COPY OF PUBLICATION

PUBLIC NOTICE OF FILING

(GW-216) Arapahoe Drilling Company, Steve Schalk, President, P. O. Box 26687, Albuquerque, New Mexico 87125, has submitted a renewal application for the previously approved discharge plan for their Farmington Facility located in NW/4 Section 13, Township 29 North, Range 13 West, NMPM, San Juan County, New Mexico in Farmington, New Mexico. Oil from vehicles is changed at appropriate off-site facilities. Any used oil that enters the Facility is placed in an 80 barrel tank with a steel lined pit under the tank and disposed of at an approved off-site disposal facility. 100 gallons of soap foamer, 330 gallons of methanol and 110 gallons of motor oil are stored in drums kept on a curbed cement slab. Groundwater most likely to be affected by a spill, leak or accidental discharge is, at a depth of approximately 70 feet and total dissolved solids concentration of approximately 900 mg/l. The discharge plan addresses how oilfield products and waste will be properly handled, stored, and disposed of, including how spills, leaks and other accidental discharges to the surface will be managed in order to protect fresh water. Any interested person may obtain information, submit comments or request to be placed on a facility specific mailing list for future notices by contacting Edward J. Hansen at the New Mexico OCD at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3489. The OCD will accept comments and statements of interest regarding the renewal and will create a facility-specific mailing list for persons who wish to receive future notices.

(GW-216) Arapahoe Drilling Company, Steve Schalk, Presidente, P. O. Box 26687, Albuquerque, Nuevo México 87125, ha presentado una solicitud de renovación para el plan de descarga anteriormente aprobado para su instalación en Farmington, ubicada en NW/4 Section 13, Township 29 North, Range 13 West, NMPM, Condado San Juan, Nuevo México, en Farmington, Nuevo México. El aceite de los vehículos se cambia en instalaciones apropiadas externas al lugar. Todo el aceite usado que ingresa a la instalación se deposita en un tanque de 80 tambos con un foso recubierto de acero que se encuentra debajo del tanque, y se elimina en una instalación de desecho autorizada externa a la instalación. 100 galones de agente espumante de jabón, 330 galones de metanol y 110 galones de aceite de motor están almacenados en tambos que se guardan en una losa de cemento con bordillo. El agua subterránea más susceptible de ser afectada por un derrame, fuga o descarga accidental se encuentra a una profundidad aproximada de 70 pies y la concentración de sólidos disueltos totales es aproximadamente de 900 mg/l. El plan de descarga describe cómo serán manejados, almacenados y eliminados los productos y desechos del campo petrolero en forma adecuada, incluyendo la forma como se controlaran los derrames, las fugas y otras descargas accidentales en la superficie con el fin de proteger el agua potable. Todas las personas interesadas pueden obtener información, enviar comentarios o solicitar que se les incluya en una lista de distribución de correo específica para la instalación con el fin de recibir notificaciones futuras a través de una comunicación con Edward J. Hansen en la OCD de Nuevo México, en 1220 South St. Francis Drive, Santa Fe, Nuevo México 87505, teléfono (505) 476-3489. La OCD aceptará comentarios y manifestaciones de interés con respecto a la renovación y creará una lista de distribución de correo específica para la instalación para aquellas personas que deseen recibir notificaciones futuras.

Legal No 54756, published in The Daily Times, Farmington, New Mexico on Thursday, March 08, 2006

ARAPAHOE DRILLING CO., INC.

P. O. BOX 26687

ALBUQUERQUE, NEW MEXICO 87125

STEVE SCHALK
PRESIDENT

March 19, 2007

CERTIFIED MAIL

7006 0100 0006 5388 4905

Mr. Edward J. Hansen
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: Public Notice of Filing GW216

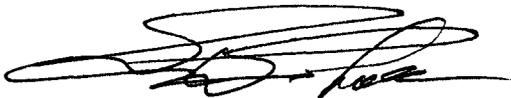
Dear Mr. Hansen:

Enclosed please find the Public Notice of Filing documentation from the Farmington Daily Times. Also enclosed is an actual copy of the Farmington Daily Times in which the Notice was published.

I assume that this meets all the requirements for our Discharge Plan renewal.

Thank you for your assistance in this matter.

Yours truly,



Steve Schalk
President

SS/kd
Enc.

THE
DAILY TIMES
FARMINGTON, NEW MEXICO

THE FOUR CORNERS INFORMATION LEADER

PO Box 450 Farmington, NM 87499

Date: 03/06/07

ARAPAHOE DRILLING COMPANY
P.O. BOX 26687
ALBUQUERQUE, NM 87125
(505) 325-7830

Ad#	Publication	Class	Start	Stop	Times	AS/400 Acct
1000626714	FARMINGTO	0152 - Legal Notices	03/08/2007	03/08/2007	1	
1000626714	FARMINGTO	0152 - Legal Notices	03/08/2007	03/08/2007	1	
Total Cost:						\$165.59
Payment:						\$165.59
Balance Due:						\$0.00

TEXT:

PUBLIC NOTICE OF FILING(GW-216) Arapahoe Drilling Company, Steve

PAID
MAR 06 2007 CC

Please include Ad number on your payment.

Name (Primary) : ARAPAHOE DFRILLING COMPANY

Company (Primary) :

Ad # : 1000626714

Width : 3

Depth : 61

Surface : 183.00

Ad Sales Rep. : 729 - Patricia Blackwater

Class Code : 0152 - Legal Notices

Ad Type :

Account # : 1247902

Start Date : 03/08/07

Stop Date : 03/08/07

Rate : FMLEGREG - FARMINGTON LEGAL REGULAR

Box Number : 0 - (None)

Ad Rated Cost : \$147.75

Extra : \$17.84

Total : \$165.59

Run Status : A

PUBLIC NOTICE OF FILING

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Legal No 54756, published in The Daily Times, Farmington, New Mexico on Thursday, March 08, 2006

Legal Notices 152 Legal Notices 152 Legal Notices 152

PUBLIC NOTICE OF FILING

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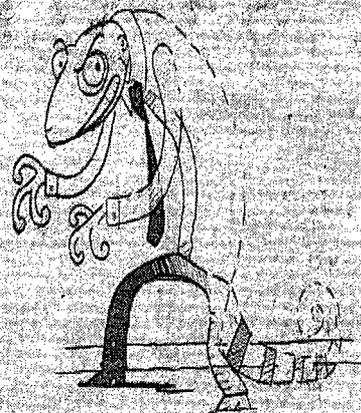
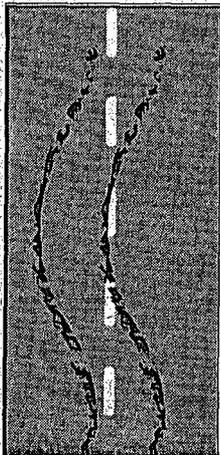
ELEVENTH JUDICIAL DISTRICT COURT
COUNTY OF SAN JUAN
STATE OF NEW MEXICO

CAUSE NO. CV-07-58-4

IN THE MATTER OF THE PETITION OF
Samantha Lynn Davis
FOR CHANGE OF NAME

NOTICE OF PETITION TO CHANGE NAME

NOTICE IS HEREBY GIVEN that Samantha Lynn Davis, a resident of the City of Flora Vista, County of San Juan, State of New Mexico, and over the age of fourteen years, has filed a Petition to Change Name in the Aztec District Court, San Juan County, New Mexico, wherein she seeks to change her name from Samantha Lynn Davis to Samantha Lynn Steinbach, and that this Petition will be heard



(OFFICE CHAMELEON)

SLIPS OUT OF
ANY MEETING
UNSEEN.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

February 8, 2007

Steve Schalk
Arapahoe Drilling Co., Inc.
P.O. Box 26687
Albuquerque, New Mexico 87125

Re: Discharge Permit GW216
Arapahoe Drilling Company – Farmington Facility

Dear Mr. Schalk:

Pursuant to Water Quality Control Commission (WQCC) Regulations 20.6.2.3000 - 20.6.2.3114 NMAC, the Oil Conservation Division (OCD) hereby approves the renewal of the discharge permit for the Arapahoe Drilling Co., Inc. (owner/operator) Arapahoe Drilling Company – Farmington Facility (GW216) located in the NW/4 of Section 13, Township 29 North, Range 13 West, NMPM, San Juan County, New Mexico, under the conditions specified in the enclosed **Attachment To The Discharge Permit**. Enclosed are two copies of the conditions of approval. **Please sign and return one copy to the New Mexico Oil Conservation Division (OCD) Santa Fe Office within 30 working days of receipt of this letter including permit fees and proof of your public notice of filing in accordance with 20.6.2.3108 NMAC.**

Please be advised that approval of this permit does not relieve the owner/operator of responsibility should operations result in pollution of surface water, ground water or the environment. Nor does approval of the permit relieve the owner/operator of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If you have any questions, please contact Edward J. Hansen of my staff at (505-476-3489) or E-mail edwardj.hansen@state.nm.us. On behalf of the staff of the OCD, I wish to thank you and your staff for your cooperation during this discharge permit review.

Sincerely,

Wayne Price
Environmental Bureau Chief

LWP/ejh
Attachments-1
xc: OCD District Office

**ATTACHMENT TO THE DISCHARGE PERMIT RENEWAL
Arapahoe Drilling Company – Farmington Facility (GW216)
DISCHARGE PERMIT APPROVAL CONDITIONS
February 8, 2007**

Please remit a check for \$1700.00 made payable to Water Quality Management Fund:

**Water Quality Management Fund
c/o: Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, New Mexico 87505**

- 1. Payment of Discharge Plan Fees:** All discharge permits are subject to WQCC Regulations. Every billable facility that submits a discharge permit application will be assessed a filing fee of \$100.00, plus a renewal flat fee (*see* WQCC Regulation 20.6.2.3114 NMAC). The Oil Conservation Division (“OCD”) has received the required \$100.00 filing fee. However, the owner/operator still owes the required \$1700.00 renewal permit fee for a oil and gas service company.
- 2. Permit Expiration and Renewal:** Pursuant to WQCC Regulation 20.6.2.3109.H.4 NMAC, this permit is valid for a period of five years. **The permit will expire on November 29, 2010** and an application for renewal should be submitted no later than 120 days before that expiration date. Pursuant to WQCC Regulation 20.6.2.3106.F NMAC, if a discharger submits a discharge permit renewal application at least 120 days before the discharge permit expires and is in compliance with the approved permit, then the existing discharge permit will not expire until the application for renewal has been approved or disapproved.
- 3. Permit Terms and Conditions:** Pursuant to WQCC Regulation 20.6.2.3104 NMAC, when a permit has been issued, the owner/operator must ensure that all discharges shall be consistent with the terms and conditions of the permit. In addition, all facilities shall abide by the applicable rules and regulations administered by the OCD pursuant to the Oil and Gas Act, NMSA 1978, Sections 70-2-1 through 70-2-38.
- 4. Owner/Operator Commitments:** The owner/operator shall abide by all commitments submitted in its March 17, 2006 discharge permit renewal application, including attachments and subsequent amendments and these conditions for approval. Permit applications that reference previously approved plans on file with the division shall be incorporated in this permit and the owner/operator shall abide by all previous commitments of such plans and these conditions for approval.

5. Modifications: WQCC Regulation 20.6.2.3107.C, and 20.6.2.3109 NMAC addresses possible future modifications of a permit. The owner/operator (discharger) shall notify the OCD of any facility expansion, production increase or process modification that would result in any significant modification in the discharge of water contaminants. The Division Director may require a permit modification if any water quality standard specified at 20.6.2.3103 NMAC is being or will be exceeded, or if a toxic pollutant as defined in WQCC Regulation 20.6.2.7 NMAC is present in ground water at any place of withdrawal for present or reasonably foreseeable future use, or that the Water Quality Standards for Interstate and Intrastate streams as specified in 20.6.4 NMAC are being or may be violated in surface water in New Mexico.

6. Waste Disposal and Storage: The owner/operator shall dispose of all wastes at an OCD-approved facility. Only oil field RCRA-exempt wastes may be disposed of by injection in a Class II well. RCRA non-hazardous, non-exempt oil field wastes may be disposed of at an OCD-approved facility upon proper waste determination pursuant to 40 CFR Part 261. Any waste stream that is not listed in the discharge permit application must be approved by the OCD on a case-by-case basis.

A. OCD Rule 712 Waste: Pursuant to OCD Rule 712 (19.15.9.712 NMAC) disposal of certain non-domestic waste without notification to the OCD is allowed at NMED permitted solid waste facilities if the waste stream has been identified in the discharge permit and existing process knowledge of the waste stream does not change.

B. Waste Storage: The owner/operator shall store all waste in an impermeable bermed area, except waste generated during emergency response operations for up to 72 hours. All waste storage areas shall be identified in the discharge permit application. Any waste storage area not identified in the permit shall be approved on a case-by-case basis only. The owner/operator shall not store oil field waste on-site for more than 180 days unless approved by the OCD.

7. Drum Storage: The owner/operator must store all drums, including empty drums, containing materials other than fresh water on an impermeable pad with curbing. The owner/operator must store empty drums on their sides with the bungs in place and lined up on a horizontal plane. The owner/operator must store chemicals in other containers, such as tote tanks, sacks, or buckets on an impermeable pad with curbing.

8. Process, Maintenance and Yard Areas: The owner/operator shall either pave and curb or have some type of spill collection device incorporated into the design at all process, maintenance, and yard areas which show evidence that water contaminants from releases, leaks and spills have reached the ground surface.

9. Above Ground Tanks: The owner/operator shall ensure that all aboveground tanks have impermeable secondary containment (e.g., liners and berms), which will contain a volume of at least one-third greater than the total volume of the largest tank or all interconnected tanks. The owner/operator shall retrofit all existing tanks before discharge permit renewal. Tanks that contain fresh water or fluids that are gases at atmospheric temperature and pressure are exempt from this condition.

10. Labeling: The owner/operator shall clearly label all tanks, drums, and containers to identify their contents and other emergency notification information. The owner/operator may use a tank code numbering system, which is incorporated into their emergency response plans.

11. Below-Grade Tanks/Sumps and Pits/Ponds.

A. All below-grade tanks and sumps must be approved by the OCD prior to installation and must incorporate secondary containment with leak detection into the design. The owner/operator shall retrofit all existing systems without secondary containment and leak detection before discharge permit renewal. All existing below-grade tanks and sumps without secondary containment and leak detection must be tested annually or as specified herein. Systems that have secondary containment with leak detection shall have a monthly inspection of the leak detection system to determine if the primary containment is leaking. Small sumps or depressions in secondary containment systems used to facilitate fluid removal are exempt from these requirements if fluids are removed within 72 hours.

B. All pits and ponds, including modifications and retrofits, shall be designed by a certified registered professional engineer and approved by the OCD prior to installation. In general, all pits or ponds shall have approved hydrologic and geologic reports, location, foundation, liners, and secondary containment with leak detection, monitoring and closure plans. All pits or ponds shall be designed, constructed and operated so as to contain liquids and solids in a manner that will protect fresh water, public health, safety and the environment for the foreseeable future. The owner/operator shall retrofit all existing systems without secondary containment and leak detection before discharge permit renewal.

C. The owner/operator shall ensure that all exposed pits, including lined pits and open top tanks (8 feet in diameter or larger) shall be fenced, screened, netted, or otherwise rendered non-hazardous to wildlife, including migratory birds.

D. The owner/operator shall maintain the results of tests and inspections at the facility covered by this discharge permit and available for OCD inspection. The owner/operator shall report the discovery of any system which is found to be leaking or has lost integrity to the OCD within 15 days. The owner/operator may propose various methods for testing such as pressure testing to 3 pounds per square inch greater than normal operating pressure and/or visual inspection of cleaned tanks and/or sumps, or other OCD-approved methods. The owner/operator shall notify the OCD at least 72 hours prior to all testing.

12. Underground Process/Wastewater Lines:

A. The owner/operator shall test all underground process/wastewater pipelines at least once every five (5) years to demonstrate their mechanical integrity, except lines containing fresh water or fluids that are gases at atmospheric temperature and pressure. Pressure rated pipe shall be tested by pressuring up to one and one-half times the normal operating pressure, if possible, or for atmospheric drain systems, to 3 pounds per square inch greater than normal operating pressure, and pressure held for a minimum of 30 minutes with no more than a 1% loss/gain in pressure. The owner/operator may use other methods for testing if approved by the OCD.

B. The owner/operator shall maintain underground process and wastewater pipeline schematic diagrams or plans showing all drains, vents, risers, valves, underground piping, pipe type, rating, size, and approximate location. All new underground piping must be approved by the OCD prior to installation. The owner/operator shall report any leaks or loss of integrity to the OCD within 15 days of discovery. The owner/operator shall maintain the results of all tests at the facility covered by this discharge permit and they shall be available for OCD inspection. The owner/operator shall notify the OCD at least 72 hours prior to all testing.

13. Class V Wells: The owner/operator shall close all Class V wells (e.g., septic systems, leach fields, dry wells, etc.) that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes unless it can be demonstrated that ground water will not be impacted in the reasonably foreseeable future. Leach fields and other wastewater disposal systems at OCD-regulated facilities that inject non-hazardous fluid into or above an underground source of drinking water are considered Class V injection wells under the EPA UIC program. Class V wells that inject domestic waste only, must be permitted by the New Mexico Environment Department (NMED).

14. Housekeeping: The owner/operator shall inspect all systems designed for spill collection/prevention and leak detection at least monthly to ensure proper operation and to prevent over topping or system failure. All spill collection and/or secondary containment devices shall be emptied of fluids within 72 hours of discovery. The owner/operator shall maintain all records at the facility and available for OCD inspection.

15. Spill Reporting: The owner/operator shall report all unauthorized discharges, spills, leaks and releases and conduct corrective action pursuant to WQCC Regulation 20.5.12.1203 NMAC and OCD Rule 116 (19.15.3.116 NMAC). The owner/operator shall notify both the OCD District Office and the Santa Fe Office within 24 hours and file a written report within 15 days.

16. OCD Inspections: The OCD may place additional requirements on the facility and modify the permit conditions based on OCD inspections.

17. Storm Water: The owner/operator shall implement and maintain run-on and runoff plans and controls. The owner/operator shall not discharge any water contaminant that exceeds the WQCC standards specified in 20.6.2.3101 NMAC or 20.6.4 NMAC (Water Quality Standards for Interstate and Intrastate Streams) including any oil sheen in any stormwater run-off. The owner/operator shall notify the OCD within 24 hours of discovery of any releases and shall take immediate corrective action(s) to stop the discharge.

18. Unauthorized Discharges: The owner/operator shall not allow or cause water pollution, discharge or release of any water contaminant that exceeds the WQCC standards listed in 20.6.2.3101 NMAC or 20.6.4 NMAC (Water Quality Standards for Interstate and Intrastate Streams) unless specifically listed in the permit application and approved herein. *An unauthorized discharge is a violation of this permit.*

19. Vadose Zone and Water Pollution: The owner/operator shall address any contamination through the discharge permit process or pursuant to WQCC 20.6.2.4000-.4116 NMAC (Prevention and Abatement of Water Pollution). The OCD may require the owner/operator to modify its permit for investigation, remediation, abatement, and monitoring requirements for any vadose zone or water pollution. Failure to perform any required investigation, remediation, abatement and submit subsequent reports will be a violation of the permit.

20. Additional Site Specific Conditions: N/A

21. Transfer of Discharge Permit (WQCC 20.6.2.3111) Prior to any transfer of ownership, control, or possession (whether by lease, conveyance or otherwise) of a facility with a discharge permit, the transferrer shall notify the transferee in writing of the existence of the discharge permit, and shall deliver or send by certified mail to the department a copy of such written notification, together with a certification or other proof that such notification has in fact been received by the transferee. Upon receipt of such notification, the transferee shall have the duty to inquire into all of the provisions and requirements contained in such discharge permit, and the transferee shall be charged with notice of all such provisions and requirements as they appear of record in the department's file or files concerning such discharge permit. The transferee (new owner/operator) shall sign and return an original copy of these permit conditions and provide a written commitment to comply with the terms and conditions of the previously approved discharge permit.

22. Closure: The owner/operator shall notify the OCD when operations of the facility are to be discontinued for a period in excess of six months. Prior to closure of the facility, the operator shall submit a closure plan for approval. Closure and waste disposal shall be in accordance with the statutes, rules and regulations in effect at the time of closure.

23. Certification: Arapahoe Drilling Co., Inc., (**Owner/Operator**), by the officer whose signature appears below, accepts this permit and agrees to comply with all submitted commitments, including these terms and conditions contained here. **Owner/Operator** further acknowledges that the OCD may, for good cause shown, as necessary to protect fresh water, public health, safety, and the environment, change the conditions and requirements of this permit administratively.

Conditions accepted by: "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment."

Company Name-print name above

Company Representative- print name

Company Representative- signature

Title _____

Date: _____

AFFIDAVIT OF PUBLICATION

Ad No. 53441

STATE OF NEW MEXICO County of San Juan:

CONNIE PRUITT, being duly sworn says: That she is the ADVERTISING MANAGER of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication and appeared in the Internet at The Daily Times web site on the following day(s):

Friday, May 12, 2006.

And the cost of the publication is \$199.75.

Connie Pruitt

ON 5/19/06 CONNIE PRUITT appeared before me, whom I know personally to be the person who signed the above document.

Wynell Corey
My Commission Expires November 17, 2008.

COPY OF PUBLICATION

918

Legals

NOTICE OF PUBLICATION

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to the New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-248) - Williams Field Service, David Bays, Senior Environmental Specialist, 188 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for their Trunk A Booster Station located in the NE/4 NW/4, Section 8, Township 29 North, Range 8 West, NMPM, San Juan County, New Mexico. Approximately 16 barrels per day of process wastewater is collected in an above ground, closed top tank prior to transport to an OCD approved off-site disposal facility. Groundwater most likely to be affected by an accidental discharge is at a depth of 460 feet with a total dissolved solids concentrations ranging from 200 to 2000 mg/l. The discharge permit addresses how oilfield products and waste will be properly handled, stored and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water. The OCD proposed conditions can be viewed at www.emnrd.state.nm.us/ocd in the Draft Discharge Permit for this facility.

(GW-249) - Williams Field Service, David Bays, Senior Environmental Specialist, 188 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for their Trunk B Booster Station located in the SW/4 SW/4, Section 28, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico. Approximately 16 barrels per day of process wastewater is collected in an above ground, closed top tank prior to transport to an OCD approved off-site disposal facility. Groundwater most likely to be affected by an accidental discharge is at a depth of 500 feet with a total dissolved solids concentrations ranging from 200 to 2000 mg/l. The discharge permit addresses how oilfield products and waste will be properly handled, stored and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water. The OCD proposed conditions can be viewed at www.emnrd.state.nm.us/ocd in the Draft Discharge Permit for this facility.

(GW-250) - Williams Field Service, David Bays, Senior Environmental Specialist, 188 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for their Coyote Springs Compressor Station located in the SW/4 NE/4, Section 30, Township 32 North, Range 11 West, NMPM, San Juan County, New Mexico. Approximately 16 barrels per day of process wastewater is collected in an above ground, closed top tank prior to transport to an OCD approved off-site disposal facility. Groundwater most likely to be affected by an accidental discharge is at a depth of 100 feet with a total dissolved solids concentrations ranging from 200 to 2000 mg/l. The discharge permit addresses how oilfield products and waste will be properly handled, stored and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water. The OCD proposed conditions can be viewed at www.emnrd.state.nm.us/ocd in the Draft Discharge Permit for this facility.

(GW-216) - Arapahoe Drilling Company, Mr. Steve Schalk, P.O. Box 26687, Albuquerque, New Mexico 87125, has submitted a discharge plan renewal application for their Farmington facility located in the NW/4, Section 13, Township 29 North, Range 13 West, NMPM, San Juan County, New Mexico. All effluents that may be generated at the facility will be collected in a closed top tank transported offsite to an OCD approved disposal facility. Groundwater most likely to be affected by an accidental discharge is at a depth of 70 feet with a total dissolved solids concentrations of approximately 900 mg/l. The discharge permit addresses how oilfield products and waste will be properly handled, stored and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water. The OCD proposed conditions can be viewed at www.emnrd.state.nm.us/ocd in the Draft Discharge Permit for this facility.

(GW-156) - Key Energy Services, Inc. Four Corners Drilling, Ms. Cynthia Gray, Consultant to Key Energy Services, has submitted a discharge plan renewal application for the Farmington facility located in the SW/4 SW/4 of Section 21, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico. Approximately 60 barrels per week of wastewater is collected in a double walled steel tank then transported offsite for disposal into Key Energy Class II Disposal well. The discharge permit addresses how oilfield products and waste will be properly handled, stored and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water. Groundwater most likely to be affected by an accidental discharge is at a depth of 45 feet with a total dissolved solids concentrations ranging from approximately 200 mg/l to 2000 mg/l. The OCD proposed conditions can be viewed at www.emnrd.state.nm.us/ocd in the Draft Discharge Permit for this facility.

(GW-171) - BP America Production Company, Mr. Kevin Hansford, 200 Energy Court, Farmington, New Mexico 87401 has submitted a renewal application for their Gallegos Canyon 3-C Compressor Station located in the SW/4 SE/4 of Section 29, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico. All fluids generated at this site are contained within collection steel tanks prior to transport offsite for disposal in an OCD approved facility. Groundwater most likely to be affected in the event of an accidental discharge at the surface is at a depth ranging from approximately 200 to 250 feet with a total dissolved solids concentration of approximately 1000 mg/l. The discharge permit addresses how oilfield products and waste will be properly handled, stored and disposed of, including how spills, leaks, and other accidental discharges to the surface will be managed in order to protect fresh water. The OCD pro-

NOTICE OF PUBLICATION

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Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday thru Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Request for public hearing shall set

a hearing shall be held. A hearing will be held if the director determines that there is significant public interest.

If no hearing is held, the Director will approve or disapprove the plan based on the information available. If a public hearing is held, the Director will approve the plan based on the information in the plan and information presented at the hearing.

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 6th day of April 2006.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

SEAL
MARK FESMIER, P.E.,
Director

Legal #78927
Pub. May 12, 2006

Description	FUND	CES	DFA ORG	DA A	ED ORG	ED ACCT	AMOUNT	
1 CY Reimbursement Project Tax	064	01						1
6 Gross Receipt Tax	064	01		2329	900000	2329134		2
3 Air Quality Title V	092	13	1300	1696	900000	4169134		3
4 PRP Prepayments	248	14	1400	9696	900000	4989014		4
2 Climax Chemical Co.	248	14	1400	9696	900000	4989015		5
8 Circle K Reimbursements	248	14	1400	9696	900000	4989248		6
7 Hazardous Waste Permits	339	27	2700	1696	900000	4169027		7
8 Hazardous Waste Annual Generator Fees	339	27	2700	1696	900000	4169339		8
0 Water Quality - Oil Conservation Division	341	29		2329	900000	2329029	100 ⁰⁰	10
1 Water Quality - GW Discharge Permit	341	29	2900	1696	900000	4169029		11
2 Air Quality Permits	631	31	2500	1696	900000	4169031		12
3 Payments under Protest	651	33		2919	900000	2919033		13
4 Xerox Copies	652	34		2349	900000	2349001		*14
5 Ground Water Penalties	652	34		2349	900000	2349002		15
6 Witness Fees	652	34		2349	900000	2439003		16
7 Air Quality Penalties	652	34		2349	900000	2349004		17
8 OSHA Penalties	652	34		2349	900000	2349005		18
9 Prior Year Reimbursement	652	34		2349	900000	2349006		19
0 Surface Water Quality Certification	652	34		2349	900000	2349009		20
1 Jury Duty	652	34		2349	900000	2349012		21
2 CY Reimbursements (i.e. telephone)	652	34		2349	900000	2349014		22
3 UST Owner's List	783	24	2500	9696	900000	4989201		*23
4 Hazardous Waste Notifiers List	783	24	2500	9696	900000	4989202		*24
5 UST Maps	783	24	2500	9696	900000	4989203		*25
6 UST Owner's Update	783	24	2500	9696	900000	4989205		*26
7 Hazardous Waste Regulations	783	24	2500	9696	900000	4989207		*28
8 Radiologic Tech. Regulations	783	24	2500	9696	900000	4989208		*29
9 Superfund CERLIS List	783	24	2500	9696	900000	4989211		*30
0 Solid Waste Permit Fees	783	24	2500	9696	900000	4989213		31
1 Smoking School	783	24	2500	9696	900000	4989214		32
2 SWQB - NPS Publications	783	24	2500	9696	900000	4989222		*33
3 Radiation Licensing Regulation	783	24	2500	9696	900000	4989228		*34
4 Sale of Equipment	783	24	2500	9696	900000	4989301		*35
5 Sale of Automobile	783	24	2500	9696	900000	4989302		*36
6 Lost Recoveries	783	24	2500	9696	900000	4989814		**37
7 Lost Repayments	783	24	2500	9696	900000	4989815		**38
8 Surface Water Publication	783	24	2500	9696	900000	4989801		39
9 Exxon Road Drive Ruidoso - CAF	783	24	2500	9696	900000	4989242		40
0 Emerg. Hazardous Waste Penalties NOV	957	32	9600	1696	900000	4164032		41
1 Radiologic Tech. Certification	987	05	0500	1696	900000	4169005		42
2 Ust Permit Fees	989	20	3100	1696	900000	4169020		44
3 UST Tank Installers Fees	989	20	3100	1696	900000	4169021		45
4 Food Permit Fees	991	28	2500	1696	900000	4169026		46
5 Other								43

Gross Receipt Tax Required

Site Name & Project Code Required

TOTAL 100⁰⁰

Contact Person: Ecl Martin

Phone: 476-3492

Date: 3/31/06

Received in ASD By: _____

Date: _____ RT #: _____

ST #: _____

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [REDACTED] dated 3/22/06

or cash received on _____ in the amount of \$ 100⁰⁰

from AZAPAHOE Drill Co.

for GW-216

Submitted by: Lawrence Romero Date: 3/31/06

Submitted to ASD by: Juanita Ponce Date: 3/31/06

Received in ASD by: _____ Date: _____

Filing Fee New Facility _____ Renewal _____

Modification _____ Other _____

Organization Code 521.07 Applicable FY 2004

To be deposited in the Water Quality Management Fund.

Full Payment _____ or Annual Increment _____

ARAPAHOE DRILLING CO., INC.
P.O. BOX 26687
ALBUQUERQUE, NEW MEXICO 87125

No. [REDACTED]

DATE **MARCH 17, 2006**

Bank of America  95-32
ALBUQUERQUE, NEW MEXICO 1070

NET AMOUNT	
\$ 50	00

PAY TO THE ORDER OF **FIFTY DOLLARS & 00/100 CENTS**

**NMED - WATER
QUALITY MANAGEMENT
GW-216**

ARAPAHOE DRILLING CO., INC.

BY 

ARAPAHOE DRILLING CO., INC.
P.O. BOX 26687
ALBUQUERQUE, NEW MEXICO 87125

No. [REDACTED]

DATE **MARCH 22, 2006**

Bank of America  95-32
ALBUQUERQUE, NEW MEXICO 1070

NET AMOUNT	
\$ 50	00

PAY TO THE ORDER OF **FIFTY DOLLARS & 00/100 CENTS**

**NMED - WATER
QUALITY MANAGEMENT
GW-216**

ARAPAHOE DRILLING CO., INC.

BY 

ARAPAHOE DRILLING CO., INC.

No. [REDACTED]

DATE	INVOICE NO.	DESCRIPTION	AMOUNT
		FILING FEE GW-216 RENEWAL	

IF THIS DOES NOT AGREE WITH YOUR RECORDS • PLEASE RETURN CHECK EXPLAINING APPARENT ERROR

ARAPAHOE DRILLING CO., INC.

No. [REDACTED]

DATE

INVOICE NO.

DESCRIPTION

AMOUNT

ADDITIONAL FILING FEE
GW-216 RENEWAL

\$ 50.00

IF THIS DOES NOT AGREE WITH YOUR RECORDS • PLEASE RETURN CHECK EXPLAINING APPARENT ERROR

ARAPAHOE DRILLING CO., INC.

P. O. BOX 26687

ALBUQUERQUE, NEW MEXICO 87125

STEVE SCHALK
PRESIDENT

March 17, 2006

RECEIVED

MAR 21 2006

Per: 

Oil Conservation Division
Environmental Bureau
1220 South St. Francis Drive
Santa Fe, NM 87505

Attention: Mr. W. Jack Ford, C.P.G.

RE: Renewal of Existing Discharge Plan
Discharge Permit GW-216

Dear Mr. Ford:

Reference is made to your letter dated March 9, 2006 concerning the renewal of our existing discharge plan.

We hereby request a renewal of the existing plan that your office has on file. We assume the filing fee of \$50.00 is required as in the past and we are including the fee with this letter.

Please direct any questions to me at the letterhead address or by telephone at (505) 881-6649.

Thank you for your attention to this matter.

Yours very truly,

ARAPAHOE DRILLING CO., INC.



Steve Schalk
President

SS/kd
Enc.

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

Revised June 10, 2003

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to Appropriate
District Office

**DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES, GAS PLANTS,
REFINERIES, COMPRESSOR, GEOTHERMAL FACILITIES
AND CRUDE OIL PUMP STATIONS**

(Refer to the OCD Guidelines for assistance in completing the application)

New Renewal Modification

1. Type: Discharge Plan Service Company - Renewal

2. Operator: ARAPAHOE DRILLING CO., INC.

Address: P. O. Box 26687, Albuquerque, NM 87125

Contact Person: Steve Schalk Phone: (505) 881-6649

3. Location: _____/4 _____/4 Section _____ Township _____ Range _____
Submit large scale topographic map showing exact location.

4. Attach the name, telephone number and address of the landowner of the facility site.
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
6. Attach a description of all materials stored or used at the facility.
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
10. Attach a routine inspection and maintenance plan to ensure permit compliance.
11. Attach a contingency plan for reporting and clean-up of spills or releases.
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.

14. CERTIFICATION I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Steve Schalk
Signature: 

Title: President
Date: March 17, 2006

E-mail Address: SPSchalk@aol.com



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

March 9, 2006

**CERTIFIED MAIL
RETURN RECEIPT NO. 7000-1670-0012-5357-6976**

**Mr. Steve Schalk
Arapahoe Drilling Co., Inc.
P.O. Box 26687
Albuquerque, New Mexico 87125**

**RE: Discharge Permit GW-216
Arapahoe Drilling Co., Inc.
Farmington Facility
San Juan County, New Mexico**

Dear Mr. Schalk:

The discharge permit GW-216 for the Farmington Facility located in the NW/4 of Section 13, Township 29 North, Range 13 West, NMPM, San Juan County, New Mexico, **expired on November 29, 2005**. Permits for operation of oilfield service companies are required and issued pursuant to 20.6.2.3104 NMAC.

An application for renewal of your permit must be received in this office no later than April 15, 2006.

If you have any questions, you may contact me at (505) 476-3489 or jack.ford@state.nm.us.

NEW MEXICO OIL CONSERVATION DIVISION

W. Jack Ford, C.P.G.
Environmental Bureau

Copy: NMOCD, Aztec



NEW MEXICO ENERGY, MINERALS and
NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

March 9, 2006

CERTIFIED MAIL

RETURN RECEIPT NO. 7000-1670-0012-5357-6976

Mr. Steve Schalk

Arapahoe Drilling Co., Inc.

P.O. Box 26687

Albuquerque, New Mexico 87125

RE: Discharge Permit GW-216

Arapahoe Drilling Co., Inc.

Farmington Facility

San Juan County, New Mexico

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NEW MEXICO OIL CONSERVATION DIVISION

W. Jack Ford, C.P.G.

Environmental Bureau

Copy: NMOCD, Aztec



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

July 2, 2001

CERTIFIED MAIL
RETURN RECEIPT NO. 5051 0548

Mr. Steve Schalk
Arapahoe Drilling Co., Inc.
P.O. Box 26687
Albuquerque, New Mexico 87125

RE: GW-216 Farmington Facility Inspection
San Juan County, New Mexico

Dear Mr. Schalk:

The New Mexico Oil Conservation Division (OCD) personnel, Mr. Denny Foust and Mr. W. Jack Ford, on June 28, 2001, along with Mr. John Ahlm, Arapahoe Drilling Co., Inc. personnel inspected the Farmington facility of Arapahoe Drilling Co., Inc. (Arapahoe). The purpose was an inspection for renewal of discharge plan for this facility. The information that follows will address the concerns of the OCD at the above referenced facility:

1. Drums of waste material and liquids should be stored in containment areas until disposal.
2. Empty drums and barrels need to be stored on their side with bungs in place and horizontal to grade. See condition number 4 of the discharge plan.
3. All drums and/or barrels require clear labeling to identify their contents.
4. General housekeeping is being addressed at the site and will be checked again in the near future.

Mr. Steve Schalk
GW-216 Farmington Facility Inspection
July 2, 2001
Page 2

The OCD would like to thank Mr. John Ahlm for his professional conduct during the site visit.
If there any questions regarding this report feel free to call me at (505)-476-3489.

Sincerely,



W. Jack Ford, C.P.G.
Water Resource Engineering Specialist
OCD Environment Bureau

cc: OCD Aztec District Office

7099 3220 0000 5051 0548

U.S. Postal Service	
CERTIFIED MAIL RECEIPT	
(Domestic Mail Only - No Insurance Coverage Provided)	
Article Sent To:	
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$
Postmark Here	
Name (Please Print Clearly) (To be completed by mailer)	
S. Schalk	
Street, Apt. No., or PO Box No.	
Arapahoe	
City, State, ZIP+4	
GW-216	
PS Form 3800, July 1999	
See Reverse for Instructions	

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [REDACTED] dated 7-3-00,

or cash received on _____ in the amount of \$ 690.00

from Arapahoe Drilling Co.

for Farmington Service Facility GW-216

Submitted by: [Signature] Date: 7-7-00

Submitted to ASD by: _____ Date: _____

Received in ASD by: _____ Date: _____

Filing Fee _____ New Facility _____ Renewal

Modification _____ Other _____

Organization Code 521.07 Applicable FY 2000

To be deposited in the Water Quality Management Fund.

Full Payment or Annual Increment _____

ARAPAHOE DRILLING CO., INC.
P.O. BOX 26687
ALBUQUERQUE, NEW MEXICO 87125

No. [REDACTED]

Bank of America
ALBUQUERQUE, NEW MEXICO

DATE July 3, 2000

NET AMOUNT
\$\$\$\$\$\$\$\$690.00

PAY TO THE ORDER OF Six Hundred Ninety DOLLARS & 00/100 Cents

WATER MANAGEMENT QUALITY MANAGEMENT FUND
c/o: Oil Conservation Division
2040 South Pacheco
Santa Fe, NM

ARAPAHOE DRILLING CO., INC.

BY [Signature]

ARAPAHOE DRILLING CO., INC.

No. [REDACTED]

DATE

INVOICE NO.

DESCRIPTION

AMOUNT.

07/03/00

Renewal Flat Fee
Discharge Plan Renewal GW-216

\$690.00

IF THIS DOES NOT AGREE WITH YOUR RECORDS • PLEASE RETURN CHECK EXPLAINING APPARENT ERROR



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

June 27, 2000

Lori Wrotenbery
Director
Oil Conservation Division

CERTIFIED MAIL
RETURN RECEIPT NO. 5050 9641

Mr. Steve Schalk
Arapahoe Drilling Co., Inc.
P.O. Box 26687
Albuquerque, New Mexico 87125

**RE: Discharge Plan Renewal GW-216
Arapahoe Drilling Co., Inc.
Farmington Service Facility
San Juan County, New Mexico**

Dear Mr. Schalk:

The ground water discharge plan renewal GW-216 for the Arapahoe Drilling Co., Inc. Farmington Service Facility located in the NW/4 of Section 13, Township 29 North, Range 13 West, NMPM, San Juan County, New Mexico, is **hereby approved** under the conditions contained in the enclosed attachment. Enclosed are two copies of the conditions of approval. **Please sign and return one copy to the New Mexico Oil Conservation Division (OCD) Santa Fe Office within 10 working days of receipt of this letter.**

The original discharge plan application was submitted on July 20, 1995 pursuant to Section 5101.B.3. of the New Mexico Water Quality Control Commission (WQCC) Regulations and approved November 29, 1995. The discharge plan is renewed pursuant to Sections 5101.A. and 3109.C. The discharge plan renewal application, dated March 27, 2000, submitted pursuant to Sections 5101.B.3. of the New Mexico Water Quality Control Commission (WQCC) Regulations also includes all earlier applications and all conditions later placed on those approvals. The discharge plan is renewed pursuant to Sections 5101.A. and 3109.C. Please note Section 3109.G., which provides for possible future amendment of the plan. Please be advised that approval of this plan does not relieve Arapahoe Drilling Co., Inc. of liability should operations result in pollution of surface water, ground water, or the environment.

Please be advised that all exposed pits, including lined pits and open tanks (tanks exceeding 16 feet in diameter), shall be screened, netted, or otherwise rendered nonhazardous to wildlife including migratory birds.

Mr. Steve Schalk
GW-216 Farmington Service Facility
June 27, 2000
Page 2

Please note that Section 3104 of the regulations provides: "When a plan has been approved, discharges must be consistent with the terms and conditions of the plan." Pursuant to Section 3107.C., Arapahoe Drilling Co., Inc. is required to notify the Director of any facility expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume.

Pursuant to Section 3109.H.4., this discharge plan renewal is for a period of five years. This plan will expire on **November 29, 2005**, and Arapahoe Drilling Co., Inc. should submit an application in ample time before this date. Note that under Section 3106.F. of the regulations, if a discharger submits a discharge plan renewal application at least 120 days before the discharge plan expires and is in compliance with the approved plan, then the existing discharge plan will not expire until the application for renewal has been approved or disapproved. It should be noted that all discharge plan facilities will be required to submit the results of an underground drainage testing program as a requirement for discharge plan .

Arapahoe Drilling Co., Inc. will submit a storm water run-off plan for approval by the OCD within six (6) months of the date of this approval letter for the Farmington Service facility.

The discharge plan application for the Arapahoe Drilling Co., Inc. Farmington Service Facility is subject to WQCC Regulation 3114. Every billable facility submitting a discharge plan application will be assessed a non-refundable fee equal to the filing fee of \$50. There is a renewal flat fee assessed for oil field service companies equal to one-half of the original flat fee or \$690.00. The OCD has received the filing fee.

**Please make all checks payable to: Water Management Quality Management Fund
C/o: Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505.**

Mr. Steve Schalk
GW-216 Farmington Service Facility
June 27, 2000
Page 3

If you have any questions please contact Mr. W. Jack Ford at (505) 827-7156. On behalf of the staff of the OCD, I wish to thank you and your staff for your cooperation during this discharge plan review.

Sincerely,



Roger C. Anderson
Chief, Environmental Bureau
Oil Conservation Division

RCA/wjf
Attachment

xc: OCD Aztec Office

7099 3220 0000 5050 9641

USPS Postal Service
CERTIFIED MAIL-REG. TIT. *oed*
(Domestic Mail Only. No Insurance Coverage Provided.)

Article Sent To:

Postage *8.30*
Certified *8.30*
Return Receipt Fee (Endorsement Required)
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees

NEW 8/2002
JUN 29 2000
PM
USPS

Postmark Here

Name (Please Print Clearly) (To be completed by mailer)
S. Schalk

Street, Apt. No., or PO Box No.
Arapahoe Dr.

City, State, ZIP+4
Albq. GW-216

PS Form 3800, July 1999 See Reverse for Instructions

ATTACHMENT TO THE DISCHARGE PLAN RENEWAL GW-216
ARAPAHOE DRILLING CO., INC.
FARMINGTON SERVICE FACILITY
DISCHARGE PLAN APPROVAL CONDITIONS
(June 27, 2000)

1. Payment of Discharge Plan Fees: The \$50.00 filing fee has been received by the OCD. There is a required renewal flat fee equal to \$690.00 for oil field service companies. The required flat fee may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the plan, with the first payment due upon receipt of this approval.
2. Arapahoe Drilling Co., Inc. Commitments: Arapahoe Drilling Co., Inc. will abide by all commitments submitted in the discharge plan application dated March 27, 2000 and these conditions for approval.
3. Waste Disposal: All wastes will be disposed of at an OCD approved facility. Only oilfield exempt wastes shall be disposed of down Class II injection wells. Non-exempt oilfield wastes that are non-hazardous may be disposed of at an OCD approved facility upon proper waste determination per 40 CFR Part 261. Any waste stream that is not listed in the discharge plan will be approved by OCD on a case-by-case basis.
4. Drum Storage: All drums containing materials other than fresh water must be stored on an impermeable pad with curbing. All empty drums will be stored on their sides with the bungs in and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets will also be stored on an impermeable pad and curb type containment.
5. Process Areas: All process and maintenance areas which show evidence that leaks and spills are reaching the ground surface must be either paved and curbed or have some type of spill collection device incorporated into the design.
6. Above Ground Tanks: All above ground tanks which contain fluids other than fresh water must be bermed to contain a volume of one-third more than the total volume of the largest tank or of all interconnected tanks. All new tanks or existing tanks that undergo a major modification, as determined by the Division, must be placed within an impermeable bermed enclosure.
7. Above Ground Saddle Tanks: Above ground saddle tanks must have impermeable pad and curb type containment unless they contain fresh water or fluids that are gases at atmospheric temperature and pressure.

8. Labeling: All tanks, drums and containers will be clearly labeled to identify their contents and other emergency notification information.
9. Below Grade Tanks/Sumps: All below grade tanks, sumps, and pits must be approved by the OCD prior to installation or upon modification and must incorporate secondary containment and leak-detection into the design. All pre-existing sumps and below-grade tanks must demonstrate integrity on an annual basis. Integrity tests include pressure testing to 3 pounds per square inch above normal operating pressure and/or visual inspection of cleaned out tanks and/or sumps, or other OCD approved methods. The OCD will be notified at least 72 hours prior to all testing.
10. Underground Process/Wastewater Lines: All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity every 5 years. The permittee may propose various methods for testing such as pressure testing to 3 pounds per square inch above normal operating pressure or other means acceptable to the OCD. The OCD will be notified at least 72 hours prior to all testing.
11. Class V Wells: No Class V wells that inject non-hazardous industrial wastes or a mixture of industrial wastes and domestic wastes will be closed unless it can be demonstrated that groundwater will not be impacted in the reasonably foreseeable future. Leach fields and other wastewater disposal systems at OCD regulated facilities which inject non-hazardous fluid into or above an underground source of drinking water are considered Class V injection wells under the EPA UIC program. Class V wells that inject domestic waste only must be permitted by the New Mexico Environment Department.
12. Housekeeping: All systems designed for spill collection/prevention will be inspected weekly and after each storm event to ensure proper operation and to prevent overtopping or system failure. A record of inspections will be retained on site for a period of five years.
13. Spill Reporting: All spills/releases will be reported pursuant to OCD Rule 116 and WQCC 1203 to the OCD Aztec District Office.
14. Transfer of Discharge Plan: The OCD will be notified prior to any transfer of ownership, control, or possession of a facility with an approved discharge plan. A written commitment to comply with the terms and conditions of the previously approved discharge plan must be submitted by the purchaser and approved by the OCD prior to transfer.
15. Storm Water Plan: The facility will have an approved storm water run-off plan.

16. Closure: The OCD will be notified when operations of the Farmington Service Facility are discontinued for a period in excess of six months. Prior to closure of the Farmington Service Facility a closure plan will be submitted for approval by the Director. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.
17. Certification: Arapahoe Drilling Co., Inc., by the officer whose signature appears below, accepts this permit and agrees to comply with all terms and conditions contained herein. Arapahoe Drilling Co., Inc. further acknowledges that these conditions and requirements of this permit may be changed administratively by the Division for good cause shown as necessary to protect fresh water, human health and the environment.

Accepted:

ARAPAHOE DRILLING CO., INC.

by _____
Title

AFFIDAVIT OF PUBLICATION

Ad No. 42633

STATE OF NEW MEXICO County of San Juan:

ALETHIA ROTH LISBERGER, being duly sworn says: That she is the Classified Manager of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meeting of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication on the following day(s):

Monday, April 10, 2000

And the cost of the publication is: \$74.20

Alethia Rothlisberger

On 4/14/00 ALETHIA ROTH LISBERGER appeared before me, whom I know personally to be the person who signed the above document.

Jimmy Beck
My Commission Expires April 2, 2004

COPY OF PUBLICATION

918

Legals

NOTICE OF PUBLICATION

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to the New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(GW-216) - Arapahoe Drilling Company, Mr. Steve Schalk, P.O. Box 26687, Albuquerque, New Mexico 87125, has submitted a discharge plan renewal application for their Farmington facility located in the NW/4, Section 13, Township 29 North, Range 13 West, NMPM, San Juan County, New Mexico. All effluents that may be generated at the facility will be collected in a closed top tank transported offsite to an OCD approved disposal facility. Groundwater most likely to be affected by an accidental discharge is at a depth of 70 feet with a total dissolved solids concentrations of approximately 90 mg/l. The discharge plan addresses how spill, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Request for public hearing shall set forth the reasons why a hearing shall be held.

A hearing will be held if the director determines that there is significant public interest. If no hearing is held, the Director will approve or disapprove the plan based on the information available. If a public hearing is held, the Director will approve the plan based on the information in the plan and information presented at the hearing.

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 3rd day of April 2000.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

/s/Roger Anderson
for LORI WROTENBERRY, Director

SEAL

Legal No. 42633, published in The Daily Times, Farmington, New Mexico, Monday, April 10, 2000.

The Santa Fe New Mexican

Since 1849. We Read You.

NM OIL CONSERVATION DIVISION
ATTN: DONNA DOMINGUEZ
2040 S. PACHECO ST.
SANTA FE, NM 87505

AD NUMBER: 141389 ACCOUNT: 56689
LEGAL NO: 67180 P.O.#: 00199000278
174 LINES 1 time(s) at \$ 76.71
AFFIDAVITS: 5.25
TAX: 5.12
TOTAL: 87.08

NOTICE OF PUBLICATION

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If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 3rd day of April 2000.

STATE OF NEW MEXICO
OIL CONSERVATION
DIVISION
LORI WROTENBERY,
Director

Legal #67180
Pub. April 7, 2000

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, B. Peiner being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication #67180 a copy of which is hereto attached was published in said newspaper 1 day(s) between 04/07/2000 and 04/07/2000 and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 7 day of April, 2000 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/s/

Betsy Peiner
LEGAL ADVERTISEMENT REPRESENTATIVE

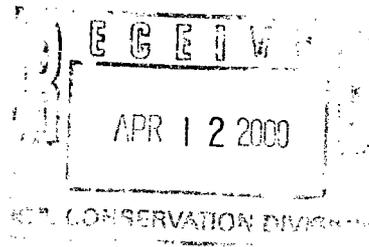
Subscribed and sworn to before me on this
6 day of April A.D., 2000

Notary

Candace R. Hunter

Commission Expires

11/16/2003



NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 3rd day of April 2000.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


for LORI WROTENBERY, Director

SEAL

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [REDACTED] dated 3/27/00

or cash received on _____ in the amount of \$ 50.00

from Arapahoe Drilling Inc.

for Facmington Service Facility GW-216

Submitted by: [Signature] Date: 3/29/00

Submitted to ASD by: _____ Date: _____

Received in ASD by: _____ Date: _____

Filing Fee New Facility _____ Renewal

Modification _____ Other _____

Organization Code 521.07 Applicable FY 2000

To be deposited in the Water Quality Management Fund.

Full Payment or Annual Increment _____

ARAPAHOE DRILLING CO., INC. P.O. BOX 26687 ALBUQUERQUE, NEW MEXICO 87125	DATE <u>03/27/00</u>	No. [REDACTED]
PAY TO THE ORDER OF <input checked="" type="checkbox"/> Fifty DOLLARS & 00/100 Cents		Bank of America ALBUQUERQUE, NEW MEXICO
NMED-WATER QUALITY MANAGEMENT		NET AMOUNT \$\$\$\$\$\$\$\$50 00
ARAPAHOE DRILLING CO., INC.		[Signature]

ARAPAHOE DRILLING CO., INC.

No. [REDACTED]

DATE	INVOICE NO.	DESCRIPTION	AMOUNT
------	-------------	-------------	--------

03/27/00			
----------	--	--	--

03/27/00		Discharge Plan Renewal Application Fee	
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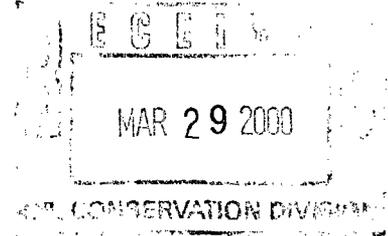
03/27/00			\$50.00
----------	--	--	---------

IF THIS DOES NOT AGREE WITH YOUR RECORDS • PLEASE RETURN CHECK EXPLAINING APPARENT ERROR

ARAPAHOE DRILLING CO., INC.

P. O. BOX 26687

ALBUQUERQUE, NEW MEXICO 87125



STEVE SCHALK
PRESIDENT

March 27, 2000

Oil Conservation Division
Environmental Bureau
2040 South Pacheco
Santa Fe, NM 87505

Re: Renewal of Existing Discharge Plan

Gentlemen:

Reference is made to your letter dated March 15, 2000 concerning the renewal of our existing discharge plan.

We hereby request a renewal of the existing plan that your office has on file. We feel that the plan has worked well and will continue to accomplish its objectives in the future.

Please direct any correspondence to the undersigned at the letterhead address. Please direct any verbal communications to Mr. Johnny Ahlm at (505) 325-5018.

Thank you for your attention to this matter.

Yours very truly,

ARAPAHOE DRILLING CO., INC.

Steve Schalk
President

SS/kd
Enc.

ARAPAHOE DRILLING CO., INC.

P. O. BOX 26687

ALBUQUERQUE, NEW MEXICO 87125

STEVE SCHALK
PRESIDENT

March 27, 2000

Oil Conservation Division
Environmental Bureau
2040 South Pacheco
Santa Fe, NM 87505

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Thank you for your attention to this matter.

Yours very truly,

ARAPAHOE DRILLING CO., INC.



Steve Schalk
President

SS/kd
Enc.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Revised March 17, 1999

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to Appropriate
District Office

**DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES,
GAS PLANTS, REFINERIES, COMPRESSOR, AND CRUDE OIL PUMP STATIONS**
(Refer to the OCD Guidelines for assistance in completing the application)

New Renewal Modification

1. Type: Discharge Plan Service Company - Renewal
2. Operator: ARAPAHOE DRILLING CO., INC.
Address: P. O. Box 26687, Albuquerque, NM 87125
Contact Person: Steve Schalk Phone: (505) 881-6649
3. Location: _____ /4 _____ /4 Section _____ Township _____ Range _____
Submit large scale topographic map showing exact location.
4. Attach the name, telephone number and address of the landowner of the facility site.
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
6. Attach a description of all materials stored or used at the facility.
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
10. Attach a routine inspection and maintenance plan to ensure permit compliance.
11. Attach a contingency plan for reporting and clean-up of spills or releases.
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.

14. CERTIFICATION

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Steve Schalk Title: President
Signature: [Handwritten Signature] Date: 03/27/00

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Revised March 17, 1999

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to Appropriate
District Office

**DISCHARGE PLAN APPLICATION FOR SERVICE COMPANIES,
GAS PLANTS, REFINERIES, COMPRESSOR, AND CRUDE OIL PUMP STATIONS**
(Refer to the OCD Guidelines for assistance in completing the application)

New Renewal Modification

1. Type: Discharge Plan Service Company - Renewal

2. Operator: ARAPAHOE DRILLING CO., INC.

Address: P. O. Box 26687, Albuquerque, NM 87125

Contact Person: Steve Schalk Phone: (505) 881-6649

3. Location: _____ /4 _____ /4 Section _____ Township _____ Range _____
Submit large scale topographic map showing exact location.

4. Attach the name, telephone number and address of the landowner of the facility site.
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
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9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
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11. Attach a contingency plan for reporting and clean-up of spills or releases.
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.

14. CERTIFICATION

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Steve Schalk

Title: President

Signature: 

Date: 03/27/00



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

Jennifer A. Salisbury
CABINET SECRETARY

Oil Conservation Div.
Environmental Bureau
2040 S. Pacheco
Santa Fe, NM 87505

March 15, 2000

CERTIFIED MAIL
RETURN RECEIPT NO. 5050 9450

Mr. Steve Schalk
Arapahoe Drilling Co., Inc.
P.O. Box 26687
Farmington, New Mexico 87125

RE: Discharge Plan Renewal Notice for Arapahoe Drilling Co., Inc. Facility

Dear Mr. Schalk:

Arapahoe Drilling Co., Inc. has the following discharge plan which expires during the current calendar year.

GW-216 expires 11/29/2000 – Farmington Facility

WQCC 3106.F. If the holder of an approved discharge plan submits an application for discharge plan renewal at least 120 days before the discharge plan expires, and the discharger is not in violation of the approved discharge plan on the date of its expiration, then the existing approved discharge plan for the same activity shall not expire until the application for renewal has been approved or disapproved. A discharge plan continued under this provision remains fully effective and enforceable. An application for discharge plan renewal must include and adequately address all of the information necessary for evaluation of a new discharge plan. Previously submitted materials may be included by reference provided they are current, readily available to the secretary and sufficiently identified to be retrieved. [12-1-95]

The discharge plan renewal application for each of the above facilities is subject to WQCC Regulation 3114. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of \$50.00 plus a flat fee equal to one-half of the original flat fee for oil field service company facilities. The \$50.00 filing fee is to be submitted with the discharge plan renewal application and is nonrefundable.

Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office. Please submit the original discharge plan renewal application and one copy to the OCD Santa Fe Office and one copy to the OCD Aztec District Office. **Note that the completed and signed application form must be submitted with your discharge plan renewal request.** (A copy of the discharge plan application form is enclosed to aid you in preparing the renewal application. A complete copy of the regulations is available on OCD's website at www.emnrd.state.nm.us/ocd/).

Mr. Steve Schalk
March 15, 2000
Page 2

If the above sited facility no longer has any actual or potential discharges and a discharge plan is not needed, please notify this office. If the Arapahoe Drilling Co., Inc. has any questions, please do not hesitate to contact me at (505) 827-7152.

Sincerely,



Roger C. Anderson
Oil Conservation Division

cc: OCD Aztec District Office

7099 3220 0000 5050 9450

US Postal Service	
CERTIFIED MAIL RECEIPT	
(Domestic Mail Only. No Insurance Coverage Provided)	
Article Sent To:	
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$
Name (Please Print Clearly) (To be completed by mailer) <i>S. Schalk</i>	
Street, Apt. No., or PO Box No. <i>Arapahoe Drlg.</i>	
City, State, ZIP+4 <i>Farmington 600-216</i>	

PS Form 3800, July 1999 See Reverse for Instructions

Postmark Here
MAY 15 2000

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 2/12/97,

or cash received on _____ in the amount of \$ 1104.00

from Arapahoe Drilling

for Lawington GW216

Submitted by: _____ Date: _____

Submitted to ASD by: R. Clenden Date: 3/19/97

Received in ASD by: _____ Date: _____

Filing Fee _____ New Facility _____ Renewal _____
Modification _____ Other _____
(specify)

Organization Code 521.07 Applicable FY 97

To be deposited in the Water Quality Management Fund.

Full Payment X or Annual Increment _____
2 thru 5 of 5

ARAPAHOE DRILLING CO., INC.
P.O. BOX 26687
ALBUQUERQUE, NEW MEXICO 87125

No. [redacted]
SUNWEST BANK OF
ALBUQUERQUE, N.A. 95-32
CARLISLE OFFICE 1070

DATE 02-12-97

NET AMOUNT
\$\$\$\$1,104 00

PAY TO THE ORDER OF One Thousand One Hundred Four DOLLARS & 00/100 Cents

NMED-Water Quality Management

ARAPAHOE DRILLING CO., INC

BY [Signature]



ARAPAHOE DRILLING CO., INC.

100. [REDACTED]

DATE	INVOICE NO.	DESCRIPTION	AMOUNT
02-12-97		Remainder of Flat Fee for Discharge Plan GW-216	\$1,104.00

R E C E I V E D
FEB 19 1997
CONSERVATION DIVISION

IF THIS DOES NOT AGREE WITH YOUR RECORDS • PLEASE RETURN CHECK EXPLAINING APPARENT ERROR



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

January 28, 1997

CERTIFIED MAIL
RETURN RECEIPT NO. P-288-258-749

Mr. Steve Schalk
President
Arapahoe Drilling Co., Inc.
P.O. Box 26687
Albuquerque, NM 87125

**RE: Discharge Plan Fees GW-216
Farmington Facility
San Juan County, New Mexico**

Dear Mr. Schalk:

On December 1, 1995, Arapahoe Drilling Co., received, via certified mail, an approval dated November 29, 1995 from the New Mexico Oil Conservation Division (OCD) for discharge plan GW-216. Each discharge plan has a filing fee and a flat fee as described in WQCC Section 3114 (see attachment). The OCD has not as of this date (January 28, 1997) received the annual incremental amount of \$276. The last check submitted by Arapahoe Drilling Co. was dated December 1, 1995. The total flat fee amount remaining is \$1,104 of the original \$1,380 flat fee for discharge plan GW-216.

Arapahoe Drilling Co. will submit the remaining \$1,104 flat fee in full by February 28, 1997 in order to be in compliance with Water Quality Control Commission Regulation 3114.B.6, or the OCD may initiate enforcement actions which may include fines and/or an order to cease all operations at the facility. Please make all checks payable to: **NMED-Water Quality Management** and addressed to the OCD Santa Fe Office.

If you have any questions regarding this matter, please contact me at (505)-827-7152 or Mr. Patricio Sanchez at (505) 827-7156.

Sincerely,

Roger Anderson
Environmental Bureau Chief

RCA/pws

xc: Mr. Denny Foust - Aztec OCD district office
attachment

P 288 258 749

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	
Mr. Steve Schalik	
Street & Number	
Gr-216, Annapolis Md.	
Post Office, State, & ZIP Code	
Flat Fee - DUE.	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [REDACTED] dated 12/1/95

or cash received on 12/18/95 in the amount of \$ 276.00

from Arapahoe Drilling

for Farmington Facility GW-216
(Facility Name) (DP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: R. R. Rubin Date: 1/16/96

Received in ASD by: Angela Herrera Date: 1-17-96

Filing Fee _____ New Facility Renewal _____

Modification _____ Other _____
(specify)

Organization Code 521.07 Applicable FY 96

To be deposited in the Water Quality Management Fund.

Full Payment _____ or Annual Increment Y
1 of 5

ARAPAHOE DRILLING CO., INC.
P.O. BOX 26687
ALBUQUERQUE, NEW MEXICO 87125

No. [REDACTED]
SUNWEST BANK OF
ALBUQUERQUE, N.A. 95-32
CARLSLE OFFICE 1070

DATE 12-01-95

NET AMOUNT
\$\$\$\$\$276.00

PAY TO THE ORDER OF TWO HUNDRED SEVENTY SIX DOLLARS & 00/100 Cents

Oil Conservation Division
NMED - Water Quality Management

ARAPAHOE DRILLING CO., INC.

BY: [Signature]

[REDACTED]

ARAPAHOE DRILLING CO., INC.



DATE	INVOICE NO.	DESCRIPTION	AMOUNT
12-01-95		Discharge Plan Flat Fee	\$276.00

RECEIVED
DEC 17 1995
DEC 18 1995
Environmental Bureau
Oil Conservation Bureau
Oil Conservation Division

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 11/17/95
or cash received on 12/15/95 in the amount of \$ 50.00

from Arapahoe Drilling

for Farmington Facility GW-216
(Facility Name) (DP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: Z. Anderson Date: 1/16/96

Received in ASD by: Angelita Herrera Date: 1-17-96

Filing Fee New Facility _____ Renewal _____

Modification _____ Other _____
(specify)

Organization Code 52107 Applicable FY 96

To be deposited in the Water Quality Management Fund.

Full Payment _____ or Annual Increment _____

ARAPAHOE DRILLING CO., INC.
P.O. BOX 26687
ALBUQUERQUE, NEW MEXICO 87125

No. [redacted]
SUNWEST BANK OF
ALBUQUERQUE, N.A. 95-32
CARLISLE OFFICE 1070

DATE November 17, 1995

NET AMOUNT
\$\$\$\$\$\$\$\$50 00

PAY TO THE ORDER OF FIFTY DOLLARS AND 00/100 CENTS

New Mexico Oil Conservation Division

ARAPAHOE DRILLING CO., INC.

BY [Signature]

[redacted]

ARAPAHOE DRILLING CO., INC.

No. [REDACTED]

DATE	INVOICE NO.	DESCRIPTION	AMOUNT
11-17-95 Gm-216		Discharge Plan Filing Fee RECEIVED DEC 15 1995 Environmental Bureau Oil Conservation Division	\$50.00

IF THIS DOES NOT AGREE WITH YOUR RECORDS • PLEASE RETURN CHECK EXPLAINING APPARENT ERROR

MEMORANDUM OF MEETING OR CONVERSATION

Telephone Personal

Time
8:30 AM

Date 11/29/95

Originating Party

Other Parties

Pat Sanchez

Denny Faust

Subject GW-21b - Nov. 17, 1995 additional information
submittal.

Discussion

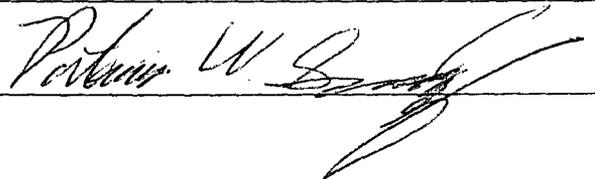
- (1) They sent All 3 copies here - I will send Denny a copy.
- (2) Discussed plan information with Denny & we agreed that all major points have be addressed.

Conclusions or Agreements

I will draft up approval letter for Director's signature. ; CC Denny Faust in Aztec

Distribution File

Signed



ARAPAHOE DRILLING CO., INC.

P. O. BOX 26687

ALBUQUERQUE, NEW MEXICO 87125

STEVE SCHALK
PRESIDENT

November 17, 1995

Mr. Patricio W. Sanchez
Petroleum Engineer
Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
Post Office Box 6429
Santa Fe, New Mexico 87505-6429

RECEIVED

NOV 28 1995

Environmental Bureau
Oil Conservation Division

Re: Discharge Plan GW-216

Dear Mr. Sanchez:

This letter is in response to your letter dated July 28, 1995. This letter directly addresses the items presented in your letter. Please use this letter and the information contained herein as needed as part of our written Discharge Plan.

The items as presented in your letter, and our responses, are as follows:

I. Enclosed with this letter is a check in the amount of \$50.00 for the filing fee for this Plan. We will send a check for \$276.00 when instructed by OCD.

II. The Discharge Plan At Oil Field Service Facilities has been reviewed and used.

- A. 1. Solvent is no longer mixed with used oil. No solvent is kept on site.
2. Pipe and/or thread dope is no longer kept on site. We are now buying this product as needed and not storing it.
- B. The form requested is enclosed with this letter.
- C. 1. The solid waste in the metal screen dumpster is taken to the Waste Management.

2. The fluid that gathers in the steel containment tank under the Used Oil Tank will not be taken to class II disposal facilities. Any oil that might be present will be removed and placed in the Used Oil Tank.
 3. The steel tank under the used oil storage tank will be cleaned annually and inspected for integrity. A written record of these inspections will be kept at the office in the yard.
 4. Empty drums are stored on their side on a cement pad that has been curbed since OCD's last visit to the site. The drums have bungs in place and are horizontal to the ground.
 5. All used batteries have been disposed of. No used batteries are any longer allowed in the yard site. The tank under the used oil storage tank has been adapted to minimize the collection of rainwater in the tank. Coverings have been placed over the openings that can be easily removed for inspection purposes.
- D. We have done our best to use the guidelines where needed. We can only reiterate that any item that might spill has been placed on a cement pad within a curbed area to contain any spill. We will clean any spill immediately and notify OCD of any such spill within 24 hours, or sooner if instructed. No further modifications are planned since those items of concern have been addressed and corrected.
- E. 1. The yard site is inspected regularly. The curbed area is inspected at least once a week. Formal monthly inspections of the yard will be made from now on and recorded in a written record to be kept at the office in the yard. This inspection will include a visual inspection of the used oil storage facility. Since no work activity is allowed to take place at the yard (i.e. oil changes, engine repairs and/or workovers and/or vehicle maintenance that would create waste materials on any kind) the inspections should not record any change from month to month.

2. Any reportable spills will be reported to NMOCD at 334-6178.

3. We have placed a system in place to minimize the collection of rainwater in the tank under the used oil storage facility. Evaporation will disperse any precipitation that accumulates within the curbed area on the cement pad. No drainage ditches are within the facility so that no water leaves the site.

G. 1. We have enclosed with this letter copies of maps showing the location of the yard site. One is from a topo map provided to us in your letter and the second is from a city street map for Farmington.

2. Depth to ground water is about 70 feet and total dissolved solids (TDS) is about 900 mg/l, according to your letter.

3. We assume that the OCD has a copy of the groundwater report referenced in your letter (titled "Hydrogeology and water resources of San Juan Basin, New Mexico"). If this assumption is correct, we would request that OCD refer to that report on file with regard to our discharge plan. This would avoid any duplication of material already in OCD's files, and save us an unnecessary expense.

H. If Items labelled XIII.A. and XIII.B. in your letter are in fact Part VI. Form (Materials Stored or Used at the Facility) and Part VII. Form (Sources and Quantities of Effluent and Waste Solids Generated at the Facility), they are included with this letter of response. We understand that they will be made a part of our application and Plan, as we hope will the contents of this letter.

Oil Conservation Division
November 17, 1995
Page Four

We are providing three copies of this letter and any enclosures as instructed in your letter. We are hopeful that these responses will satisfy the OCD. The yard site is primarily a storage facility for iron, as we have stated previously. Due to our limited resources and the lack of drilling activity, any further requirements by OCD will be most burdensome and will require us to re-evaluate our position.

Yours very truly,

ARAPAHOE DRILLING CO., INC.

A handwritten signature in black ink, appearing to read "Steve Schalk", written over a horizontal line.

Steve Schalk
President

SS/kd
Enc.

DISCHARGE PLAN APPLICATION
ARAPAHOE DRILLING CO., INC.
Oilfield Service Facilities

Part VIII. Form (Optional)

Summary Description of Existing Liquid and Solids Waste Collection and Disposal - For each waste type listed in Part VII, provide summary information about onsite collection and disposal systems. Information on basic construction features, specific descriptions, and wastewater schematics should be provided as required in the Guidelines. The use of this form is optional, but the summary information requested must be provided.

Waste Type	Tank(T)/ Drum(S)	Floor Drain/(F) Sump(S)	Pits- Lined(L) or Unlined(U)	Onsite Injection Well	Leach Field	Offsite Disposal
1. Truck Wastes None.						
2. Truck, Tank and Drum Washing None.						
3. Steam Cleaning of Parts, Equipment, Tanks None.						
4. Solvent/Degreaser Use None.						
5. Spent Acids, Caustics, or Completion Fluids None.						
6. Waste Slop Oil None.						

Waste Type	Tank(T)/ Drum(S)	Floor Drain/(F) Sump(S)	Pits- Lined(L) or Unlined(U)	Onsite Injection Well	Leach Field	Offsite Disposal
7. Waste Lubrication and Motor Oils	80 BBL tank	---	Steellined pit under 80 BBL tank	---	---	Mesa and/or D & D
8. Oil Filters	Oil from vehicles is changed at appropriate facilities off-site. Filters that enter yard are completely drained in Used Oil Tank, crushed with hydraulic press and disposed of according to instructions from Waste Management.					
9. Solids and Sludges from Tanks	None.					
10. Painting Wastes	None.					
11. Sewage	2 1,000 gal. cement septic tanks with 50' leach line	1 toilet and 1 sink on each system.	---	---	50' on west side and 50' on south side.	
12. Other Waste Liquids	None.					
13. Other Waste Solids	Metal screen dumpster	---	---	---	---	Waste Management

DISCHARGE PLAN APPLICATION

ARAPAHOE DRILLING CO., INC.
Oilfield Service Facilities

Part VII. Form (Optional)

Sources and Quantities of Effluent and Waste Solids Generated at the Facility - For each source include types of effluents (e.g. salt water, hydrocarbons, sewage, etc.), estimated quantities in barrels or gallons per month, and types and volumes of major additives (e.g. acids, biocides, detergents, degreasers, etc.). Use of this form is optional, but the information requested must be provided.

Waste Type	General Composition and Source (solvents from small parts cleaning, oil filters from trucks, etc.)	Volume Per Month (bbl or gal)	Major Additives (e.g. degreaser fluids from truck washing, soap in steam cleaners)
1. Truck Wastes (Describe types of original contents trucked [e.g. brine, produced water, drilling fluids, oil wastes, etc])	None.		
2. Truck, Tank & Drum Washing	None.		
3. Steam Cleaning of Parts, Equipment, Tanks	None.		
4. Solvent/Degreaser Use	None.		
5. Spent Acids, Caustics, or Completion Fluids (Describe)	None.		

Waste Type	General Composition and Source (solvents from small parts cleaning, oil filters from trucks, etc.)	Volume Per Month (bbl or gal)	Major Additives (e.g. degreaser fluids from truck washing, soap in steam cleaners)
6. Waste Slop Oil	None.		
7. Waste Lubrication and Motor Oils	Oil changed from rig engines is deposited in tank & hauled to Mesa or D&D	50 gal.	No additives.
8. Oil Filters	Filters from engines (Compressors, forklifts, maintainer.)	3 filters/month (less than gallon)	No additives.
9. Solids and Sludges from Tanks (Describe types of materials [e.g. crude oil tank bottoms, sand, etc.])	None.		
10. Painting Wastes	None.		
11. Sewage (Indicate if other wastes mixed with sewage; if no commingling, domestic sewage under jurisdiction of the NMED)	Domestic Sewage	less than 100 gal. / month	None-domestic use only.
12. Other Waste Liquids (Describe in detail)	None.		
13. Other Waste Solids (Cement, construction materials, used drums)	Drums are returned to original source.		

DISCHARGE PLAN APPLICATION

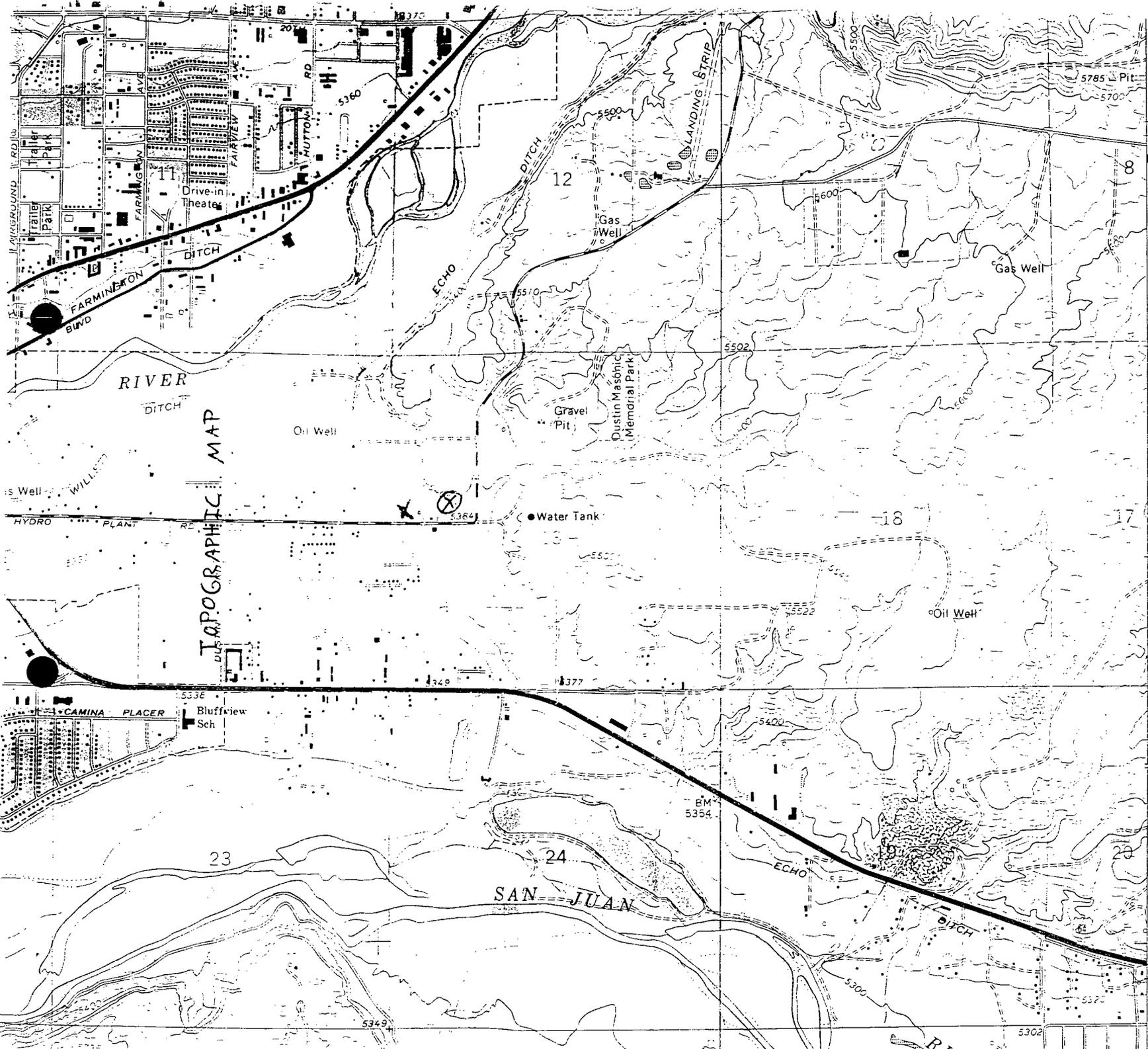
ARAPAHOE DRILLING CO., INC.
Oilfield Service Facilities

Part VI. Form (Optional)

Materials Stored or Used at the Facility - For each category of material listed below provide information on the general composition of the material or specific information (including brand names if requested), whether a solid or liquid, type of container, estimated volume stored and location. Submit MSD information for chemicals as requested. Use of this form is optional, but the information requested must be provided.

Name	General Makeup or Specific Brand Name (if requested)	Solids(S) or Liquids(L)?	Type of Container (tank drum, etc.)	Estimated Volume Stored	Location (yard, shop, drum storage, etc.)
1. Drilling Fluids (include general makeup & types special additives [e.g. oil, chrome, etc.]					
None.					
2. Brines - (KCl, NaCl, etc.)					
None.					
3. Acids/Caustics (Provide names & MSD sheets)					
None.					
4. Detergents/Soaps					
	Soap Foamer	L	Drums	100 gallons	curbed cement slab
5. Solvents & Degreasers (Provide names & MSD sheets)					
None.					
6. Paraffin Treatment/ Emulsion Breakers (Provide names & MSD sheets)					
None.					
7. Biocides (Provide names & MSD sheets)					
None.					
8. Others - (Include other liquids & solids, e.g. cement etc.)					
(See back)					

Antifreeze	L	Drums	220 gallons	Curbed cement slab
Methanol	L	Drums	330 gallons	Curbed cement slab
Motor Oil	L	Drums & cans	110 gallons	Curbed cement slab
Triethylene Glycol	L	Drums	300 gallons	Curbed cement slab
Propane	L	Tank	2000 gallons (max.)	Fenced area



TOPOGRAPHIC MAP

2 090 000
FEET

8 ⊗ Arapahoe
Drilling
(Approximate Location)
NW 1/4, Sec. 13, T29N
R13W, NMPM,
San Juan County,
New Mexico

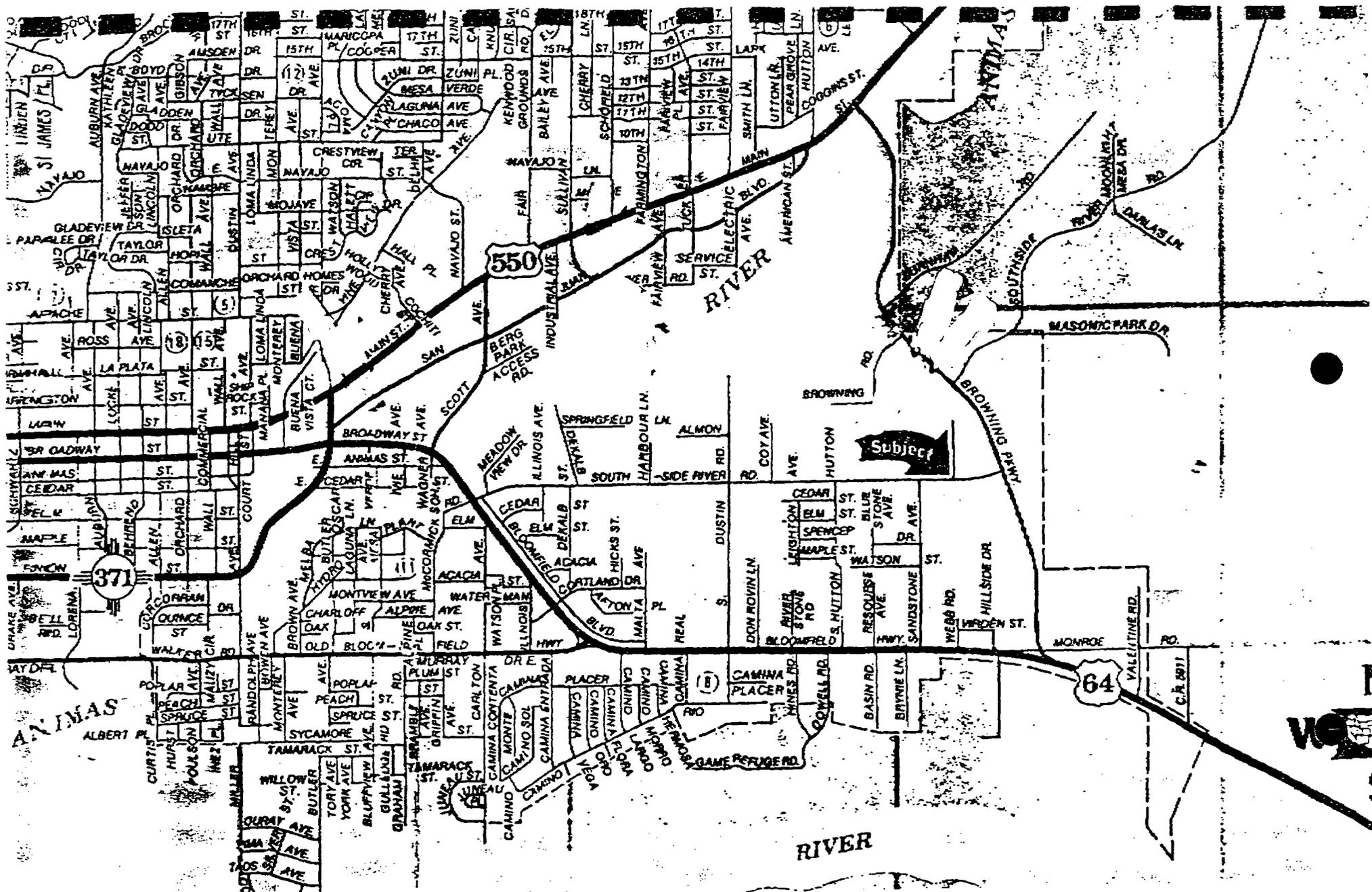
4069

4068

4067

42'30"

FIELD 8 MI.
ANCO 18 MI.



MATERIAL SAFETY DATA SHEET

KMCO INC

EMERGENCY PHONE

1-800-424-9300

PRODUCT KMCO TEG

KMCO INC. U.S.A.
16503 RAMSEY ROAD
CROSBY TX. 77532
REVISION DATE OCTOBER 11, 1993

EMERGENCY CONTACT 1-800
INFORMATION PHONE (713)
CHEMTREC EMERGENCY C
USED ONLY IN THE E
CHEMICAL EMERGENCIES
SPILL, LEAK, FIRE, E
ACCIDENT INVOLVING C

1. IDENTIFICATION

PRODUCT NAME	KMCO TEG
CHEMICAL NAME	TRIETHYLENE GLYCOL
CHEMICAL FAMILY	POLYGLYCOLS
CAS REGISTRY NUMBER	112-27-6
PRODUCT CODE	

HAZARDOUS COMPONENTS

MATERIAL	CAS NUMBER	ACGIH TLV	PERCE
DIETHYLENE GLYCOL	111-46-6		< 5 %
TETRAETHYLENE GLYCOL	112-60-7		< 5 %

SHIPPING INFORMATION:

SHIPPING NAME	TRIETHYLENE GLYCOL
HAZARD CLASS	NONHAZARDOUS LIQUID
UN/NA NUMBER	
DOT CLASSIFICATION	NON HAZARDOUS

MATERIAL SAFETY DATA SHEET KMCO INC

EMERGENCY PHONE 1-800-424-9300

PRODUCT KMCO TEG

NFPA CODES:

FLAMMABILITY	REACTIVITY	TOXICITY	SPECIFIC HAZARD
1	0	2	0

2. **PHYSICAL DATA:**

ODOR	MILD ODOR	pH	7.0 TO 7.5
PHYSICAL FORM AND APPEARANCE	COLORLESS LIQUID	SPECIFIC GRAVITY	1.1
BOILING POINT	549 F	MELTING POINT	19 F
EVAPORATION RATE vs BUTYL ACETATE (= 1)	< 0.1	VAPOUR PRESSURE	< 0.01
		VAPOUR DENSITY	> 1.0

3. **FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: > 305 F

FLAMMABLE LIMITS IN AIR LOWER ND
% BY VOLUME UPPER ND

EXTINGUISHING MEDIA:
FOAM, DRY CHEMICAL OR WATER SPRAY

SPECIAL FIRE FIGHTING PROCEDURES:
USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
USE RESPIRATORY PROTECTION IF FIRE FIGHTING IN ENCLOSURE.
DO NOT DIRECT A SOLID STREAM OF WATER INTO BURNING LIQUID.
FROTHING CAN OCCUR AND INCREASE FIRE INTENSITY.

MATERIAL SAFETY DATA SHEET KMCO INC

EMERGENCY PHONE 1-800-424-9300

PRODUCT KMCO TEG

4. REACTIVITY HAZARD DATA

STABILITY:

STABLE UNDER NORMAL CONDITIONS

CONDITIONS TO AVOID:

DECOMPOSITION CAN OCCUR UNDER EXTREME HEAT OR FLAME

INCOMPATIBILITY: (MATERIALS TO AVOID)

NOT KNOWN.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:

COMBUSTION MAY PRODUCE OXIDES OF CARBON AND UNKNOWN

HAZARDOUS POLYMERISATION:

NONE

CONDITIONS TO AVOID:

EXCESSIVE HEAT AND OPEN FLAME.

5. HEALTH HAZARD DATA

EXPOSURE LIMITS: NONE ESTABLISHED

EFFECTS OF EXPOSURE:

MAY AGGRAVATE EXISTING CONDITIONS OF ASTHMA AND DERMATITIS

SWALLOWING:

MODERATELY TOXIC CAN CAUSE SEVERE IRRITATION OF STOMACH AND ESOPHAGUS.

INHALATION:

VAPOURS MAY AGGRAVATE ASTHMA AND INFLAMMATORY PULMONARY DISEASE. MAY ALSO AGGRAVATE AN EXISTING DERMATITIS ON SKIN AND EYE CONTACT:

LIQUID CAN BE MILD TO SEVERELY IRRITATING TO THE EYES.

EFFECTS OF REPEATED EXPOSURE:
PROLONGED EXPOSURE MAY RESULT IN DRYING OF THE SKIN MEMBRANES WHICH CAN CAUSE IRRITATION AND DERMATITIS.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

MAY AGGRAVATE AN EXISTING DERMATITIS. INHALATION MAY AGGRAVATE ASTHMA AND INFLAMMATORY OR FIBROTIC PULMONARY DISEASE.

ADDITIONAL TOXICITY INFORMATION:

NONE AVAILABLE AT PRESENT.

MATERIAL SAFETY DATA SHEET KMCO INC

EMERGENCY PHONE 1-800-424-9300

PRODUCT KMCO TEG

EMERGENCY AND FIRST AID PROCEDURES:

SWALLOWING: SEEK IMMEDIATE MEDICAL ATTENTION

SKIN: WASH THOROUGHLY WITH SOAP AND WATER

INHALATION: MOVE TO FRESH AIR.

EYES: FLUSH WELL WITH WATER FOR AT LEAST 15 MINUTES.

NOTES TO PHYSICIAN:

NONE

6. CONTROL AND PROTECTIVE MEASURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

STORE OUT OF DIRECT SUNLIGHT IN A COOL WELL VENTILATED AREA

RESPIRATORY PROTECTION:

USE APPROVED RESPIRATOR OR AIR SUPPLY MASK IF WORKING IN AN ENCLOSED AREA.

VENTILATION:

EQUAL TO FRESH AIR ADEQUATE TO REMOVE VAPOURS

PROTECTIVE CLOTHING:

RUBBER OR PLASTIC GLOVES. WASH CLOTHING THOROUGHLY BEFORE REUSE IN CASE OF CONTAMINATION.

EYE PROTECTION:

FACE SHIELD OR PROTECTIVE GOGGLES.

OTHER PROTECTIVE EQUIPMENT:

AS REQUIRED TO PREVENT CONTACT WITH SKIN AND EYES

7. SPECIAL PRECAUTIONS AND LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

CONTAIN SPILLED MATERIALS AND SHUT OFF SOURCE IF SAFE TO DO SO. CONTAIN LIQUID WITH INERT ABSORBENT. LIQUID MAY BE RECOVERED WITH A PUMP.

WASTE DISPOSAL METHOD:

ABSORBENT CAN BE INCINERATED OR LANDFILLED IN ACCORDANCE WITH ALL STATE LOCAL AND FEDERAL REGULATIONS.

EMERGENCY PHONE 1-800-424-9300

PRODUCT KMCO TEG

8. REGULATORY INFORMATION

STATUS ON SUBSTANCE LISTS:

The concentrations shown are maximum of ceiling levels (weight %) to be used for calculations for regulations. Trade secrets are indicated by "TS"

FEDERAL EPA

Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the Reportable Quantities (RQ'S) in 40 CFR 302.4

Components present in this product at a level which could require reporting under the statute are:

NONE

**SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986
(SARA) TITLE III**

requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RQ's) in 40 CFR 335 (used for SARA 302,304,311 and 312).

Components present in this product at a level which would require reporting under the statute are:

NONE

**SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986
(SARA) TITLE III**

requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDS,s that are copied and distributed for this material.

Components present in this product at a level which would require reporting under the statute are:

NONE



MATERIAL SAFETY DATA SHEET

I. MATERIAL IDENTIFICATION

Name: Conoco Fleet Motor Oil SAE 10W, 10W LP,
10W-30, 15W-40, 20-20W, 30, 40, 50/
Fleet 10 TBN Motor Oil SAE 15W-40/
Fleet Supreme 10W-30, 15W-40
Conoco Product Code: 6210/6211/6220/6230/
6240/6250/6260/6261/6265/6271

CAS Registry No.: Mixture
Transportation Emergency No.:
(800) 424-9300 (Chemtrec)
Product Information No.:
(405) 767-6000

Synonyms: Lubricating Oil, Motor Oil
Chemical Family: Petroleum Hydrocarbon
Manufacturer: Conoco Inc.
Address: P.O. Box 1267, Ponca City, OK 74603

II. OSHA HAZARD DETERMINATION

Hazardous Ingredients: None.

Physical Effect Properties:
Product/Mixture: None.

III. PHYSICAL DATA

Appearance and Odor: Dark brown liquid; mild petroleum hydrocarbon odor.

Boiling Range (°F)	<u>650-1200</u>	Specific Gravity (H ₂ O=1)	<u>0.88</u>
Vapor Pressure (mmHg)	<u>Nil</u>	% Volatile (by volume)	<u>Nil</u>
Vapor Density (Air=1)	<u>Not Applicable</u>	Evaporation Rate (Ether=1)	<u>Nil</u>
Solubility in Water	<u>Insoluble</u>		

IV. REACTIVITY DATA

Stable: X Unstable:

Hazardous Decomposition Products: Normal combustion forms carbon dioxide; incomplete combustion may produce carbon monoxide.

Conditions To Avoid: Strong oxidizing materials, heat, flame.

Hazardous Polymerization: Will not occur.

V. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method used): 340° F (PMCC) Autoignition Temperature: 650° F

Handle and store in accordance with NFPA procedure for Class III B Combustible Liquids.

Extinguishing Media: Use water spray, dry chemical, foam, or carbon dioxide.

Special Fire Fighting Procedures: Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.

V. FIRE AND EXPLOSION HAZARD DATA (continued)

Unusual Fire and Explosion Hazards: Products of combustion may contain carbon monoxide, carbon dioxide, and other toxic materials. Do not enter enclosed or confined space without proper protective equipment including respiratory protection.

National Fire Protection Association (NFPA) Classification			HAZARD RATING		
Health <u>0</u>	Fire <u>1</u>	Reactivity <u>0</u>	Least - 0	Slight - 1	Moderate - 2
			High - 3	Extreme - 4	

VI. TRANSPORTATION AND STORAGE

DOT HAZARD CLASS: *Not Applicable*

Precautions To Be Taken In Handling And Storing: Product is Class III B Combustible Liquid per NFPA Code No. 30-1984. Store and handle accordingly.

Shipping Paper Description: Not D.O.T. Regulated.

Placard: Not D.O.T. Regulated.

D.O.T. Label: Not Regulated.

OSHA Label (Recommended): CAUTION: Prolonged or repeated skin contact with used motor oil may be harmful. Wash thoroughly with soap and water after contact.

VII. HEALTH HAZARD INFORMATION

PEL Not Established

TLV Not Established

Ceiling Value Not Established

Du Pont AEL Not Established

Primary Route of Entry: Skin.

Signs and Symptoms of Exposure/Medical Conditions Aggravated By Exposure:

Mouse skin painting studies have shown that highly solvent-refined petroleum distillates having a distillation end-point below 700° F, and which are similar to ingredients in this product, have not caused skin tumors. The product contains petroleum hydrocarbons which may cause irritation to eyes, skin, and lungs after prolonged or repeated exposure.

Laboratory studies with mice have shown that Used motor oil applied repeatedly to the skin caused skin cancer. In these studies, the Used motor oil was not removed between applications. Health hazards to Used motor oil can be minimized by avoiding prolonged skin contact.

Is Product Listed as Carcinogen or Potential Carcinogen by: NTP? No IARC? No OSHA? No

VIII. EMERGENCY AND FIRST AID PROCEDURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes and seek medical attention.

Skin: Remove contaminated clothing as soon as possible. Wash exposed skin thoroughly with soap and water. If irritation develops, consult a physician.

If exposed to hot material, immediately cool with cold water. Do not attempt to remove material but continue to cool exposed areas and seek medical attention immediately.

See Section X for Precautionary Measures.

Inhalation: Remove individual to fresh air. If breathing stops, administer artificial resuscitation. Seek medical attention.

Ingestion: If this material is swallowed, do not induce vomiting. If vomiting begins, lower victim's head in an effort to prevent vomitus from entering lungs. Seek medical attention. Never give anything by mouth to an unconscious person.

Note to Physician: Gastric lavage by qualified medical personnel may be considered, depending on quantity of material ingested.

IX. SPILL, LEAK AND DISPOSAL PROCEDURES

RCRA HAZARDOUS WASTE: Yes _____ No X

In Case Of Spill Or Leak: Contain spill immediately in smallest area possible. Recover as much of the product as possible by such methods as vacuuming, followed by soaking up residual fluids by use of absorbent materials. Remove contaminated items including solids and place in proper container for disposal. Avoid washing, draining or directing material to storm or sanitary sewers.

Waste Disposal Method: Recycle as much of the recoverable product as possible. Dispose of nonrecyclable material by such methods as controlled incineration, complying with federal, state and local regulations.

X. PRECAUTIONARY MEASURES

Respiratory Protection: None required except under unusual circumstances such as described in Section V.

Ventilation: Normal shop ventilation.

Protective Gloves: None required.

Eye Protection: None required.

Other Protective Equipment: None required.

The above data is based on tests and experience which Conoco believes reliable and are supplied for informational purposes only. CONOCO DISCLAIMS ANY LIABILITY FOR DAMAGE OR INJURY WHICH RESULTS FROM THE USE OF THE ABOVE DATA AND NOTHING CONTAINED THEREIN SHALL CONSTITUTE A GUARANTEE, WARRANTY (INCLUDING WARRANTY OF MERCHANTABILITY) OR REPRESENTATION (INCLUDING FREEDOM FROM PATENT LIABILITY) BY CONOCO WITH RESPECT TO THE DATA, THE PRODUCT DESCRIBED, OR THEIR USE FOR ANY SPECIFIC PURPOSE, EVEN IF THAT PURPOSE IS KNOWN TO CONOCO.

March 7, 1988/MOTC0090

Date January, 1987

MATERIAL SAFETY DATA SHEET

Page 1 of 6

Product Name:

PHILLIPS 66 COMPANY
A SUBSIDIARY OF PHILLIPS PETROLEUM COMPANY
Bartlesville, Oklahoma 74004

PROPANE
(Research, Instrument,
Pure, Refrigeration,
Commercial and
Technical Grades)

Emergency Phone Nos.
918-661-3865 (during business)
981-661-8118 (after hours)



USA AND CANADA



WORLDWIDE

OTHER COUNTRIES

PRODUCT IDENTIFICATION

Synonyms: Dimethylmethane

Chemical Name: Propane

Chemical Family: Paraffinic Hydrocarbon

Chemical Formula: C₃H₈

CAS Reg. No: 74-98-6

Product No: PO3500, PO3400, PO3430, PO3100

Product and/or Components Entered on EPA's TSCA Inventory: Yes No

HAZARDOUS COMPONENTS

<u>Ingredients</u>	<u>CAS Number</u>	<u>% By Wt.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Propane	74-98-6		1000 ppm	Simple Asphyxiant
Ethane	74-84-0		NE	Simple Asphyxiant
Propylene	115-07-1		NE	Simple Asphyxiant
Isobutane	75-28-5		NE	NE
n-Butane	106-97-8		NE	800 ppm

*See Additional Comments (Page 6) for exact compositions.

PERSONAL PROTECTION INFORMATION

Ventilation: Use adequate ventilation to control exposure below recommended levels.

Respiratory Protection: Not generally required. When entry into or exit from concentrations of unknown exposure, use NIOSH/MSHA approved self-contained breathing apparatus (SCBA).

Eye Protection: Use safety glasses with side shields.

Skin Protection: No special garments required. Avoid unnecessary skin contamination with material.

NOTE: Personal protection information shown above is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

HANDLING AND STORAGE PRECAUTIONS

Avoid inhalation and skin and eye contact. Wear protective equipment and/or garments described above if exposure conditions warrant. Wash hands after handling.

Store in a cool, well ventilated area away from ignition sources. Provide means for controlling leaks. Bond and ground during transfer. Keep containers closed.

REACTIVITY DATA

Stability: Stable Unstable **Conditions to Avoid:**

Incompatibility (Materials to Avoid): Oxygen and strong oxidizing agents.

Hazardous Polymerization: Will Not Occur May Occur **Conditions to Avoid**

Hazardous Decomposition Products: Carbon oxides formed when burned.

HEALTH HAZARD DATA

RECOMMENDED EXPOSURE LIMITS: See Hazardous Components Section (Page 1).

ACCUTE EFFECTS OF OVEREXPOSURE:

EYE: Very high gas concentrations may cause mild irritation effects. Liquefied gas may cause freeze-burns upon direct contact.

SKIN: Very high gas concentrations may cause mild irritation to mucous membranes. Liquefied gas may cause freeze-burns upon direct contact.

INHALATION: Simple asphyxiant. Extreme over exposure may produce dizziness, headache, disorientation, excitation, fatigue, inability to concentrate, vomiting, coughing, anesthesia, unconsciousness and death.

INGESTION: Not a likely exposure route. Liquefied gas may cause freeze-burns to the mucous membranes and possible central nervous system depression.

SUBCHRONIC AND CHRONIC EFFECTS OF OVEREXPOSURE:

Exposure to 1000 ppm for 8 hours a day, 5 days a week, for approximately 2 weeks produced no abnormal reactions, including cardiac, pulmonary, and neurologic functions in humans.

OTHER HEALTH EFFECTS:

Propane was not mutagenic in the AMES assay.

HEALTH HAZARD CATEGORIES:

	Animal	Human		Animal	Human
Known Carcinogen	<input type="checkbox"/>	<input type="checkbox"/>	Toxic	<input type="checkbox"/>	<input type="checkbox"/>
Suspect Carcinogen	<input type="checkbox"/>	<input type="checkbox"/>	Corrosive	<input type="checkbox"/>	<input type="checkbox"/>
Mutagen	<input type="checkbox"/>	<input type="checkbox"/>	Irritant	<input type="checkbox"/>	<input type="checkbox"/>
Teratogen	<input type="checkbox"/>	<input type="checkbox"/>	Target Organ Toxin	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Allergic Sensitizer	<input type="checkbox"/>	<input type="checkbox"/>	Specify <u>Eye and skin</u>		
Highly Toxic	<input type="checkbox"/>	<input type="checkbox"/>	<u>freeze-burns</u>		

FIRST AID AND EMERGENCY PROCEDURES:

EYE: Immediately flush eyes with running water for at least 15 minutes. If irritation develops, seek medical attention.

SKIN: Flush skin with water for 15 minutes. If irritation develops, seek medical attention.

INHALATION: Remove from exposure. If breathing ceases, administer artificial respiration followed by oxygen. Seek medical attention.

INGESTION: Seek immediate medical attention.

PHYSICAL DATA

Appearance: Colorless liquefied petroleum gas
Odor: Odorless (Repulsive if odorant has been added)
Boiling Point: -44°F (-42°C)
Vapor Pressure: 108-124 psia at 70°F
Vapor Density (Air = 1): 1.5
Solubility in Water: Negligible
Specific Gravity (H₂O = 1): 0.508-0.510 at 60/60°F
Percent Volatile by Volume: 100
Evaporation Rate (Ethyl Ether = 1): >1
Viscosity: NE

FIRE and EXPLOSION DATA

Flash Point (Method Used): -156°F (-104°C) (Estimated)
Flammable Limits (% By Volume in Air): LEL 2.1 UEL 9.5
Fire Extinguishing Media: Dry chemical, foam or carbon dioxide (CO₂).

Special Fire Fighting: Evacuate area of all unnecessary personnel. Use NIOSH/MSHA approved self-contained breathing apparatus and other protective equipment and/or garments described on Page 2 if conditions warrant. Shut off source, if possible. Water fog or spray may be used to cool exposed containers and equipment. Allow fire to burn until gas flow is shut off, if possible.

Fire and Explosion Hazards: Carbon oxides formed when burned. Highly flammable vapors which are heavier than air may accumulate in low areas and/or spread along ground away from handling site.

SPILL, LEAK and DISPOSAL PROCEDURES

Precautions Required if Material is Released or Spilled: Evacuate area of all unnecessary personnel. Wear protective equipment and/or garments described on Page 2 if exposure conditions warrant. Shut off source, if possible. Protect from ignition. Ventilate area thoroughly.

Waste Disposal (Insure Conformity with All Applicable Disposal Regulations):
Incinerate.

DOT TRANSPORTATION

Shipping Name: Liquefied Petroleum Gas
Hazard Class: Flammable Gas
ID Number: UN 1075
Marking: Liquefied Petroleum Gas/UN 1075
Label: Flammable Gas
Placard: Flammable Gas/1075
Hazardous Substance/RQ: NA
Shipping Description: Liquefied Petroleum Gas, Flammable Gas, UN 1075
Packaging References: 49 CFR 173.304, 173.308, 173.314, and 173.315

RCRA CLASSIFICATION (FOR UNALDERATED PRODUCT AS A WASTE)

Ignitable

PROTECTIVE MEASURES DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT

Wear protective equipment and/or garments described on Page 2 if exposure conditions warrant. Contact immediate supervisor for specific instructions before work is initiated.

HAZARD CLASSIFICATION

THIS PRODUCT MEETS THE FOLLOWING HAZARD DEFINITION(S) AS DEFINED BY THE OCCUPATIONAL SAFETY AND HEALTH HAZARD COMMUNICATION STANDARD (29 CFR SECTION 1910.1200):

- | | | |
|---|--|---|
| <input type="checkbox"/> Combustible Liquid | <input type="checkbox"/> Flammable Aerosol | <input type="checkbox"/> Oxidizer |
| <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Explosive | <input type="checkbox"/> Pyrophoric |
| <input checked="" type="checkbox"/> Flammable Gas | <input checked="" type="checkbox"/> Health Hazard (See Page 3) | <input type="checkbox"/> Unstable |
| <input type="checkbox"/> Flammable Liquid | <input type="checkbox"/> Organic Peroxide | <input type="checkbox"/> Water Reactive |
| <input type="checkbox"/> Flammable Solid | | |

BASED ON INFORMATION PRESENTLY AVAILABLE, THIS PRODUCT DOES NOT MEET ANY OF THE HAZARD DEFINITIONS OF 29 CFR SECTION 1910.1200.

ADDITIONAL COMMENTS

	<u>Ingredients</u>	<u>% by Wt.</u>
Research Grade	Propane	99.98
	Isobutane	0.02
Instrument Grade	Propane	99.86
	Isobutane	0.10
	Ethane	0.03
	n-Butane	0.01
	Propylene	trace
Pure Grade	Propane	99.40
	Isobutane	0.60
Refrigeration Grade	Propane	99.0
	Isobutane	0.8
	n-Butane	0.1
	Ethane	0.1
Technical Grade	Propane	97.50
	Isobutane	2.38
	Propylene	0.08
	n-Butane	0.03
	Ethane	0.01
Commercial Grade	Propane	>90
	Propylene	<5
	n-Butane	<2.5

Toxicity Study Summary available upon request for Propane (A-108 Hydrocarbon Propellant).

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TEXACO INC.
 INDUSTRIAL HYGIENE, TOXICOLOGY, AND MATERIAL
 SAFETY DATA SHEET



NOTE: NO REPRESENTATION IS MADE AS TO THE ACCURACY OF THE INFORMATION
 HEREIN. SEE PAGE 7 FOR CONDITIONS UNDER WHICH DATA ARE FURNISHED.

Trade Name and Synonyms 02353 TEXACO ANTI-FREEZE COOLANT	
Manufacturer's Name Texaco Inc.	Emergency Telephone No. (914) 831-3400 ext. 204
Address P.O. Box 509 Beacon, NY 12508	
Chemical Name and/or Family or Description Antifreeze	
THIS PRODUCT IS CLASSIFIED AS: <input checked="" type="checkbox"/> HAZARDOUS BY DEFINITION NO.(S) 2,5,7,12 <input type="checkbox"/> NOT HAZARDOUS: <input type="checkbox"/> ON ATTACHED EXPLANATION SHEETS	
WARNING STATEMENT: WARNING! HARMFUL OR FATAL IF SWALLOWED KEEP OUT OF REACH OF CHILDREN MAY CAUSE IRRITATION TO EYES	
OCUPATIONAL CONTROL PROCEDURES	
Protective Equipment (Type)	
Eyes:	Chemical type goggles or face shield optional.
Skin:	Exposed employes should exercise reasonable personal cleanliness; this includes cleansing exposed skin areas several times daily with soap and water, and laundering or dry cleaning soiled work clothing at least weekly.
Inhalation:	Supplied air respiratory protection for cleaning large spills or upon entry into tanks, vessels, or other confined spaces.
Ventilation:	Adequate to meet component permissible concentrations.
Permissible Concentrations:	
Air:	None established for product; see p. 4 for component permissible concentrations; for ethylene glycol:50ppm ceiling (ACGIH 1986-87)
EMERGENCY AND FIRST AID PROCEDURES	
First Aid	
Eyes:	Flush with water for fifteen minutes.
Skin:	Wash exposed areas with soap and water.
Ingestion:	Give large quantities of water, then induce vomiting immediately. Get immediate medical attention. Do not make an unconscious person vomit. Never give anything by mouth to an unconscious person.
Inhalation:	Remove to fresh air; if not breathing apply artificial respiration. Get medical attention. Keep affected person warm and at rest.
Other Instructions:	None.

N.D. - Not Determined N.A. - Not Applicable
 < - Less Than > - Greater Than



PHYSIOLOGICAL EFFECTS

Effects of Exposure

Acute:

Eyes: Believed to cause slight eye irritation.

Skin: Believed to be slightly irritating upon prolonged contact.

Respiratory System: Drowsiness, narcosis, and unconsciousness possible upon exposure to high concentrations in poorly ventilated confined spaces.

Chronic: Liver and kidney damage in 2 year rat feeding study using 1-2% ethylene glycol. Oral administration of very high doses of ethylene glycol produced birth defects in laboratory animals.

Other: See Additional Comments pg. 6.

Sensitization Properties:

Skin: Yes ___ No ___ Unknown X Respiratory: Yes ___ No ___ Unknown X

Median Lethal Dose (LD₅₀ LC₅₀ XSpecies)

Oral Believed to be 4.7-6.5 g/kg (rat); moderately toxic

Inhalation N.D.

Dermal Believed to be 1-3 g/kg (rabbit); slightly toxic

Other N. D.

Irritation Index, Estimation of Irritation (Species)

Skin Believed to be 0.5-1.0/8.0 (rabbit); slightly irritating

Eyes Believed to be 15-25/110 (rabbit); slightly irritating

Symptoms of Exposure: See above and Additional Comments pg. 6.

FIRE PROTECTION INFORMATION

Ignition Temp. °F. N.D. Flash Point °F. (Method) 244 F (PM)

Flammable Limits (%) Lower 3.2 Upper N.D.

Products Evolved When Subjected to Heat or Combustion:
Carbon monoxide and carbon dioxide may be formed on burning in limited air supply.

Recommended Fire Extinguishing Agents And Special Procedures:
According to the National Fire Protection Association Guide, use water spray, dry chemical, foam, or carbon dioxide. Water or foam may cause frothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop the leak.

Unusual or Explosive Hazards:
None.



COMPOSITION

Chemical/Common Name	CAS No.	Exposure Limit	Range in %
*1,2-ethanediol	107211	50.0 mg/m ³ Ceiling NO OSHA PEL	80.00 - 94.99
Water deionized	7732185	None Established	1.00 - 3.99

*Hazardous according to OSHA (1910.1200) or one or more state Right-To-Know lists.

SARA TITLE III

I. Title III Section 302/304 Extremely Hazardous Substance Component	CAS No.	%	RQ (Lbs)	TPQ (Lbs)
NONE				

II. CERCLA Section 102(a) Hazardous Substance Component	CAS No.	%	RQ (Lbs)
Trisodium orthophosphate	10101890	0.1-0.99	5000
Disodium phosphate	7558794	0.1-0.99	5000

III. Title III Section 311 Hazard Categorization	Fire	Pressure	Reactive	Not Applicable
Acute Chronic				

IV. Title III Section 313 Toxic Chemicals Component	CAS No.	%
1,2-Ethanediol	107211	80-94.99



PRODUCT SHIPPING LABEL

02353 TEXACO ANTI-FREEZE COOLANT

**WARNING! HARMFUL OR FATAL IF SWALLOWED
KEEP OUT OF REACH OF CHILDREN
MAY CAUSE IRRITATION TO EYES**

Do not drink antifreeze or solution.
Avoid contact with eyes.
Wash thoroughly after handling.
Do not store in open or unlabeled containers.
ETHYLENE GLYCOL BASE.
Ethylene glycol has produced birth defects in rodents.

If swallowed, **INDUCE** vomiting immediately.
Call a doctor. In case of contact flush eyes with plenty of water for at least fifteen minutes. **NEVER** give anything by mouth to an unconscious person.

<u>Chemical/Common Name</u>	<u>CAS No.</u>	<u>Range in %</u>
•1,2-ethanediol	107211	80.00 - 94.99
Water deionized	7732185	1.00 - 3.99

•Hazardous according to OSHA (1910.1200) or one or more state Right-To-Know lists.
Not hazardous according to DOT criteria

HMIS
Health : 1 Reactivity : 0
Flammability: 1 Special : -

CAUTION: Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable or reactive materials. Cutting or welding of empty containers might cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flame or heat. Keep container closed and drum bungs in place.

HEALTH EMERGENCY TELEPHONE: (914) 831-3400 (EXT. 204)

<p>Texaco Inc. 2000 Westchester Avenue White Plains, New York 10650</p>	<p>For Additional Information Concerning: Fuels/Lubricants/Antifreezes call (914) 831-3400 (EXT.204) Chemicals call (512) 489-8543 Transportation Spills call CHEMTREC (800) 424-9300</p>
--	--



REGISTRATION COMMENTS

STATE OF MICHIGAN CRITICAL MATERIALS ACT (REVISED 1988)

No critical materials present.

Lethal dose (human) 1.0-1.5 g/kg. Symptoms of ingestion: Behavioral changes, Drowsiness, Vomiting, Diarrhea, Thirst, Convulsions, Cyanosis, Rapid Heart Rate, Pulmonary edema and renal failure. Acute or chronic oral consumption for products containing ethylene glycol can produce adverse health effects in humans. Such products should NOT be used in potable water systems or other systems where contamination of potable water supplies is possible. This product, when introduced into water systems will be degraded biologically in both surface waters and waste treatment plants, and would therefore present no aquatic toxicity.

To determine applicability or effect of any law or regulation with respect to the product, users should consult his legal advisor or the appropriate government agency. Texaco does not undertake to furnish advice on such matters.

By R. T. Richards Title Mgr. Env. Conservation & Toxicology
 Date 04-19-88 New Revised, Supersedes 12-18-86

N.D. - Not Determined N.A. - Not Applicable
 < - Less Than > - Greater Than



SERVICE INFORMATION

Diesel Engines

S.M. REF.: 13.3

NUMBER: 36-D-85

DATE: November, 1985 ENGINE: 63, V-53, 71,
V-71, 92, 8.2L, 6.2

SUBJECT: ENGINE COOLANT PUBLICATION REVISED

Attached is "Coolant for Detroit Diesel Engines," form 7SE298 (Rev. 11/85). This supercedes the previous specification dated 7/84 and Service Information 13-D-84 dated August, 1984. The recommendations shown in this publication are similar to those in the earlier form, except for the following:

- If freeze protection is required, use a solution of water and antifreeze that meets the GM 6038M formulation or an equivalent antifreeze with a 0.15% maximum silicate content that meets GM 1899M performance specifications.
- Overinhibiting antifreeze can cause silicate dropout.
- Silicate dropout is explained and recommendations for prevention are added.

Publications Department — Detroit Operations
Detroit Diesel Allison

Material Safety Data Sheet
Product: F-750

Page 1 of 3

SECTION 1 - IDENTIFICATION

H & M Precision Products Inc.
1220 Basin Rd. Farmington, N.M. 87401

1-505-326-4900
1-800-424-9300 Chemtrac

Trade Name: F750
Chemical: Foamer

SECTION 2 - HAZARDOUS INGREDIENTS

Component Name	CAS#	%WT	OSHA (PEL)
NOT HAZARDOUS AS DEFINED ON 29 CFR 1910.1200			

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point, F:	>210 - 215 Degree F	Vapor Pressure:	ND
Specific Gravity:	1.02 To 1.03	Ph:	7.0 - 8.0
Solubility in Water:	Soluble	Evaporation Rate:	ND
Appearance & Odor:	Amber liquid with sanitizing odor		

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point:	Flammable limits:	LEL %	VOL%
NONE			

EXTINGUISHING MEDIA

This material is non-combustible. If this material is involved in a fire, an extinguishing agent appropriate to surrounding materials. Water spray may be used to cool containers of this material exposed to a fire. Fire extinguishing materials should be collected for determination of proper disposal.

FIRE FIGHTING PROCEDURES

Fire fighters should wear self-contained breathing apparatus with a full face piece operated in the pressure-demand or positive-pressure mode.

SECTION 5 - PHYSICAL HAZARD (REACTIVITY DATA)

Chemical Stability: STABLE

Conditions to avoid: NONE

Incompatibility (material to avoid): NONE

Hazardous Decomposition/By products: OXIDES OF CARBON & NITROGEN

Hazardous Polymerization: WILL NOT OCCUR

Hazard rating scale: HEALTH: 1 FIRE: 0 REACTIVITY: 0
(4-severe 3-serious 2-moderate 1-slight 0-minimal)

SECTION 6 - HEALTH HAZARDS

PRIMARY ROUTES OF ENTRY

Inhalation: X Absorption: X Ingestion: X Injection: NA

HEALTH HAZARDS:

May be hazardous if inhaled, ingested or absorbed through the skin. Direct contact with eyes and skin may cause severe damage and burns. Vapors or mist may cause irritation of mucous membranes. Ingestion and inhalation may cause headaches, nausea, dizziness and other symptoms of central nervous system depression. The toxic effects are exerted on the central nervous system, especially upon the optic nerve. Prolonged exposure may result in central nervous system damage, blindness and damage to the pancreas, liver or kidneys.

EMERGENCY & FIRST AID PROCEDURES:

In case of eye contact, immediately flush eyes with running water and continue washing for at least 15 minutes. In case of INGESTION, INDUCE VOMITING AND GIVE WATER. Obtain medical attention without delay. In case of SKIN contact, remove contaminated clothing and wash skin with soap and water. Obtain medical attention if irritation persists. Wash clothing before re-wearing. In case of INHALATION, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen may be given by qualified personnel. In case of INGESTION, dilute with water or milk and induce vomiting.

IF CONDITIONS PERSIST, SEEK MEDICAL ATTENTION.

Carcinogenicity? No NTP? ND IARC Monograph? ND OSHA Regulated? No

SECTION 7 - SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wipe up with a cloth or paper (small quantity) or absorb unrecoverable product with material such as clay, sand or vermiculite, and put into containers for later disposal.

WASTE DISPOSAL METHOD:

Contact an EPA or State Approved Disposal Facility.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection: NIOSH APPROVED RESPIRATOR IF PEL IS EXCEEDED

Ventilation: Local Exhaust: Recommended General Exhaust: Recommended

Protective Gloves: Neoprene, polyvinyl alcohol, polyvinyl chloride

Eye Protection: Chemical splash goggles or face shield in compliance with OSHA regulations is advised; however OSHA regulations also permits safety glasses under certain conditions. The use of contact lenses is not recommended.

Other Protective Clothing or Equipment: Eye Wash and Safety Shower

Work/Hygienic Practices: Clean up Spills Promptly, Wash contaminated clothing

SECTION 9 - SHIPPING DATA

Hazard Classification: UN/NA No.: Labels Required: DOT ER Guide #
D.O.T. NON - REGULATED

Proper Shipping Name/Description:
Cationic and Non-Anionic Surfactants

RQ in lbs.	RQ in gallons	PH:	Flash Point, F:	Pkg. Group:	INDG Pg. #
NA	NA	NA	NA	NA	

This information is based on data believed by H & M PRECISION PRODUCTS INC. to be accurate, but no warranty, express or implied is made.



PRODUCT DATA

EFFECTIVE 7/10/89 SUPERSEDES

METHANOL
 (Methyl Alcohol)

An intermediate for the synthesis of a variety of chemicals, such as; formaldehyde, methyl esters, ethers, amines, methyl and methylene chlorides and various chemical intermediates; used in non-permanent anti-freeze as a fuel, solvent, extractant, and denaturant.

FORMULA CH_3OH MOL. WT.: 32.04

FORM: Liquid

SPECIFICATIONS:

	TEST METHOD
Appearance.....clear, colorless, liquid; free from suspended matter	ASTM-(1)
Odor.....no foreign odor; characteristic	D-1296
Methanol.....99.90% by wt. minimum	(2)
Distillation range.....1°C. max., to include $64.6 \pm 0.1^\circ C @ 760mm.$	D-1078
Specific Gravity.....0.7892 maximum, @ $25^\circ/25^\circ C$	E-346
Color.....5 APHA, maximum	D-1209
Acidity.....0.003% by wt. maximum; as acetic acid	D-1613
Alkalinity.....0.0003% wt./wt. maximum; as ammonia	D-1614
Acetone.....0.003% wt./wt. maximum	D-1612
Carbonizables.....20 APHA, maximum	E-346
Hydrocarbons.....clear when diluted 1:2 with water, after 30 minutes	E-346
Non-Volatile matter.....0.001% wt./wt. maximum	D-1353
Permanganate time.....50 minutes minimum (0.02% $KMnO_4 @ 15^\circ C$)	D-1363
Water.....0.05% wt./wt. maximum when shipped.	E-203

NOTES:

- (1) Visual
- (2) by difference

(over)

P-9000

This information is furnished without warranty, representation, inducement or license of any kind including, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, except that it is accurate to the best of Tenneco Methanol knowledge or obtained from sources believed by Tenneco Methanol to be accurate and Tenneco Methanol does not assume any legal responsibility for use or reliance upon same. Customers are encouraged to conduct their own tests. Before using any product read its label.



TENNECO METHANOL
P. O. BOX 2511
HOUSTON, TX 77252

METHANOL	
MSDS NO. 110	DATE 3-90

I. MATERIAL IDENTIFICATION		HAZARD RATING*
MATERIAL/TRADE NAME Methanol	24 HOUR EMERGENCY TELEPHONE: "ONLY IN THE EVENT OF METHANOL EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT INVOLVING METHANOL, CONTACT": CHEMTREC 1-800-424-9300 OTHER INQUIRIES: TENNECO METHANOL REGULAR BUSINESS HOURS TANK TRUCK & RAILCAR INQUIRIES: 713/757-8885 VESSEL & BARGE INQUIRIES: 713/757-4037 STORAGE FACILITY INQUIRIES: 713/757-2269	<input type="checkbox"/> 1 HEALTH <input type="checkbox"/> 3 FIRE <input type="checkbox"/> 0 REACTIVITY
SYNONYMS Methyl Alcohol, Wood Alcohol, Carbinol		0 LEAST 3 HIGH 1 SLIGHT 4 EXTREME 2 MODERATE * NFPA 704
CHEMICAL FAMILY/FORMULA Aliphatic Alcohol/CH ₃ OH		
CAS NO. 67-56-1 EPA HAZARDOUS WASTE NO. U154		

II. INGREDIENTS		
COMPOSITION	%	TOXICITY DATA
Methyl Alcohol	99.9	Human Eye - 5 ppm (irritation) Oral - LDLo 340 mg/kg Inhalation - TCl = 3600 mg/kg ³ (irritator) Rat Oral - LD ₅₀ - 9100 mg/kg Rabbit Acute dermal LD ₅₀ 20 g/kg

III. PHYSICAL DATA			
BOILING POINT, 760mm/Hg	148F (64.5C)	VAPOR SPECIFIC GRAVITY, AIR = 1	1.11
VAPOR PRESSURE, mm/Hg	96 (d 68F (20C)	VOLATILES, % BY VOLUME	100
LIQUID DENSITY LBS. PER GALLON	6.63	SOLUBILITY IN H ₂ O, % BY WEIGHT	Total
SPECIFIC GRAVITY, H ₂ O = 1	0.791	EVAPORATION RATE, BUTYL ACETATE = 1	4.6

APPEARANCE AND ODOR
Clear, colorless liquid with faint alcohol odor. Less pure grades may have a pungent, oily odor.

IV. FIRE AND EXPLOSION DATA		
FLASH POINT AND TEST METHOD	AUTO IGNITION TEMPERATURE	FLAMMABILITY LIMITS IN AIR, % BY VOLUME
54F (12C) TCC	725F (385C)	LOWER 6 UPPER 36.5

EXTINGUISHING MEDIA
Dry chemical, alcohol type foam, Halon, CO₂. Water may be ineffective. Use water spray to cool fire exposed containers. Use alcohol resistant foam to extinguish large fires or to blanket spill to reduce vapors.

SPECIAL FIRE FIGHTING PROCEDURES
Class IB flammable liquid. Avoid water streams which may splash and spread flaming liquid. Vapors are heavier than air and may flow along surfaces to distant ignition sources and flash back. Firefighters should use self-contained breathing equipment and protective clothing for fires in enclosed areas.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Reacts violently to oxidizers. Keep away from heat and sources of ignition. Burns with a clear, almost invisible flame, especially hard to see in strong sunlight. Vapor space in storage containers can be in the flammable range at temperatures above 50F.

V. REACTIVITY DATA

HAZARDOUS POLYMERIZATION

STABLE

UNSTABLE

MAY OCCUR

WILL NOT OCCUR

CONDITIONS AND MATERIALS TO AVOID

Avoid strong oxidizing agents, excessive heat and sources of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, carbon dioxide, formaldehyde and other toxic gases may be formed in a fire.

VI. OCCUPATIONAL EXPOSURE LIMITS

OSHA (PERMISSABLE EXPOSURE LIMIT) - 200 ppm 8 hr. TWA (260 mg/m³) skin

ACGIH (1986) adds skin notation. Absorption through skin can contribute significantly to overall exposure to methanol.

ACGIH (SHORT TERM EXPOSURE LIMIT) - 250 ppm

NIOSH recommends ceiling TLV of 800 ppm/15 min.

VII. HEALTH INFORMATION

Methanol is a poisonous chemical that can affect the body both acutely and chronically through inhalation, ingestion, or repeated or prolonged skin absorption.

Prolonged inhalation of vapors causes dizziness, nausea, visual impairment, respiratory failure, muscular incoordination and narcosis. Inhalation of high concentrations for prolonged periods has resulted in death. Liver damage has resulted from prolonged or repeated inhalation of vapors. Ingestion can produce blindness, dizziness, headache and in amounts of 100-250 ml can be fatal.

Initial symptoms from ingestion or inhalation may be only mild intoxication, but may become severe after 12-18 hours. Toxic effects from repeated over exposure to methanol are accumulative and affect the central nervous system, especially the optic nerve. These symptoms may linger for several days after exposure.

Prolonged skin contact can cause irritation, dryness, dermatitis and erythema. Skin absorption through prolonged or repeated contact can produce or contribute to symptoms similar to inhalation hazards. Eye contact with liquid or high vapor concentrations causes eye irritation but usually no permanent tissue damage.

Methanol exposures may aggravate existing eye, skin, kidney and liver disorders. Preplacement and annual medical examinations are recommended for workers who normally handle methanol with emphasis on neurological, visual, liver and kidney functions.

Monitoring of air in the workplace is recommended to maintain methanol vapors below recommended - Threshold Limit Value.

VIII. EMERGENCY AND FIRST AID PROCEDURES

- SKIN** - Wash with soap and water immediately after contact. Remove contaminated clothing immediately. Launder before reuse.
- EYES** - Flush with large amounts of water for 15 minutes, getting under eyelids. Contact physician if irritation persists.
- INHALATION** - Remove to fresh air. Restore breathing if necessary. Administer oxygen if breathing difficulty persists and contact physician for advice.
- INGESTION** - Drink large amounts of water, milk or sodium bicarbonate to dilute material in stomach. Induce vomiting if victim is conscious. *See section 11 for additional advice and treatment.*

IX. EMPLOYEE PROTECTION

RESPIRATORY PROTECTION

Provide adequate ventilation or exhaust to meet Threshold Limit-Value and Permissible Exposure Limit requirements. Supplied air or self-contained breathing equipment recommended for exposures above PEL. Organic vapor cartridge respirators not recommended for methanol vapor exposures.

PROTECTIVE CLOTHING

Rubber gloves and protective aprons or clothing should be used to prevent skin contact. Goggles or face shield should be used to protect face and eyes from splashing liquid.

OTHER PROTECTIVE MEASURES

Eye wash and safety shower recommended in area of use.
Wash with soap and water immediately after skin contact.

X. ENVIRONMENTAL PROTECTION

SPILL CLEAN-UP PROCEDURE

Eliminate all ignition sources. Stop spill or leak if it can be done safely. Contain spill to smallest possible area. Use absorbent materials to soak up small spills. Larger spills should be recovered for reuse or disposal. Spills in critical areas can be diluted with water to reduce fire hazard during cleanup. Cleanup crew should utilize proper personal protective equipment. Do not allow material to enter sewers, drains, or waterways.

Waste materials should be disposed of by a licensed waste disposal company. Waste liquid may be burned in an approved incinerator. Federal, state and local regulations must be followed. EPA Hazardous Waste Number U154.

ENVIRONMENTAL HAZARDS

Aquatic Toxicity Rating - TLM 96: Over 1000 ppm

Spills of 5000 lbs. (754.15 Gallons) or more must be reported to the National Response Center (1-800-424-8802)

XI. SPECIAL PRECAUTIONS

Store in closed containers in cool place. No smoking allowed in areas of use or storage. Use explosion proof electrical fixtures. Containers should be electrically grounded/bonded during material transfer to prevent static spark and possible ignition.

Methanol is corrosive to lead and aluminum. Some rubber materials are incompatible. As little as 21% methanol in water is still considered a flammable liquid by OSHA definition. For large volume storage tanks an inert gas (dry nitrogen) blanket is recommended in the vapor space above the liquid.

XII. TRANSPORTATION REQUIREMENTS

DOT SHIPPING NAME Methanol or Methyl Alcohol DOT I.D. NO. UN 1230

DOT CLASSIFICATION Flammable Liquid UN HAZARD CLASS UN 1230

IMCO Class - 3.2

XIII. OTHER REGULATORY CONTROLS

Regulated by Food and Drug Administration under 21 CFR 175 and 176, for use in adhesives and articles in contact with food items.

Consumer Product Safety commission requires materials containing methanol to be labeled:

Danger: Poison. Flammable. Vapor Harmful. May be fatal or cause blindness if swallowed. Cannot be made non-poisonous.

Contains _____ % methanol.

THIS INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS TO THE BEST OF THIS COMPANY'S KNOWLEDGE AND BELIEVED ACCURATE AND RELIABLE AS OF THE DATE INDICATED. HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO ITS ACCURACY, RELIABILITY OR COMPLETENESS. IT IS THE USERS RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABLENESS AND COMPLETENESS OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.

Tenneco Methanol
P. O. Box 2511
Houston, TX 77252

A TENNECO COMPANY

DATE PREPARED March, 1990
 Replaces May, 1989

APPROVED BY Anthony Carter
 Manager, Safety and Health
 Tenneco Gas

ARAPAHOE DRILLING CO., INC.

No. [REDACTED]

DATE	INVOICE NO.	DESCRIPTION	AMOUNT
11-17-95 Gw-216		Discharge Plan Filing Fee	\$50.00

IF THIS DOES NOT AGREE WITH YOUR RECORDS • PLEASE RETURN CHECK EXPLAINING APPARENT ERROR

ARAPAHOE DRILLING CO., INC.
 P.O. BOX 26687
 ALBUQUERQUE, NEW MEXICO 87125

No. [REDACTED]

SUNWEST BANK OF
 ALBUQUERQUE, N.A. ⁹⁵⁻³²
 CARLISLE OFFICE ₁₀₇₀

DATE November 17, 1995

NET AMOUNT	
\$\$\$\$\$\$\$\$50	00

PAY TO THE ORDER OF FIFTY DOLLARS AND 00/100 CENTS

New Mexico Oil Conservation Division

ARAPAHOE DRILLING CO., INC.

BY 

[REDACTED]

OIL CONSERVATION DIVISION
2040 SOUTH PACHECO
Santa Fe, NM 87505

November 20, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-962-975

Mr. Steve Schalk, President
Arapahoe Drilling Co., Inc.
P.O. Box 2078
Farmington, NM 87499

RE: Discharge Plan GW-216
Arapahoe Drilling Co. Inc., Farmington facility
San Juan County, New Mexico

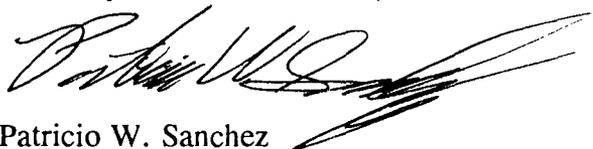
Dear Mr. Schalk:

The NMOCD on July 28, 1995 sent a letter requesting additional information and commitments Pursuant to WQCC Section 3-106 C.7 regarding the Arapahoe Drilling Co., Inc. discharge plan application for its Farmington facility is located in NW/4, Section 13, Township 29 North, Range 13 West, NMPM, San Juan County, New Mexico, submitted on July 20, 1995. The NMOCD has not received the requested additional information and commitments.

Arapahoe Drilling Co., Inc. is nearing the 240 day time limit (12/23/95) from the time that the Director notified Arapahoe Drilling Co., Inc. of the "Discharge Plan Requirement," and as stated in WQCC 3-106 A. "... such person may discharge without an approved discharge plan until 240 days after written notification by the director that a discharge plan is required or such longer time as the director shall for good cause allow."

If Arapahoe Drilling Co., Inc. has any questions regarding this matter feel free to call me at (505)-827-7156 or Mr. Roger Anderson, Environmental Bureau Chief at (505)-827-7152.

Sincerely,



Patricio W. Sanchez
Petroleum Engineer, Environmental Bureau.

XC: Mr. Denny Foust - Environmental Geologist

Z 765 962 975



**Receipt for
Certified Mail**

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

PS Form 3800, March 1993

Sent to 6W-216	
Street and No.	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

MEMORANDUM OF MEETING OR CONVERSATION

X TELEPHONE PERSONAL TIME 3:30 AM/PM DATE 11/7/95

ORIGINATING PARTY: Pat Sanchez - OGD
OTHER PARTIES: Steve Schalk - Arapahoe Drilling Co.

SUBJECT: Discharge Plan

DISCUSSION: Let Mr. Schalk know that he was approaching the 240 day period.

He said he didn't have time to read the regulations - He would check with Mr. Johnny Allen and see what has been done.

I also explained the Discharge Plan Fees.
50 \$ Filing fee / 1350 \$ Flat Fee

He also said nothing was going on in the yard - I told him to check the unrec inspection report that was sent to them.

CONCLUSIONS/AGREEMENTS: Mr. Schalk will follow up on the status of the Discharge Plan.

PATRICIO W. SANCHEZ: [Signature]

XC: FILE,

Note: I called and left a message on 10-13-95 - Mr. Schalk never called back. PWS

* 240 days are up on 12/23/95 - Date after which operations must cease. (Discharge Plan req. on 4/27/95 by Arapahoe.) PWS

MEMORANDUM OF MEETING OR CONVERSATION

X TELEPHONE PERSONAL TIME 2:45 AM (PM) DATE 10-13-95

ORIGINATING PARTY: Pat Sanchez - NMOC

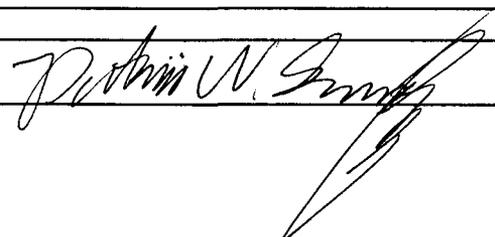
OTHER PARTIES: Arapahoe Drilling - Secretary.

SUBJECT: GW-21b

DISCUSSION: Asked for Johnny Alon, Met in -
Asked for Steve Schalk - Met in.

Said I was calling about the additional information letter that was sent on July 28, 1995 - Told them (her) its been over 60 days since I had heard from them - offered to discuss with Arapahoe.

CONCLUSIONS/AGREEMENTS: She (Secretary) in Alb. will leave the message. I gave my phone number.

PATRICIO W. SANCHEZ: 

XC: FILE,

RECEIVED

NOTICE OF PUBLICATION

JUL 31 1995
7385
USFWS - NMESSE

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

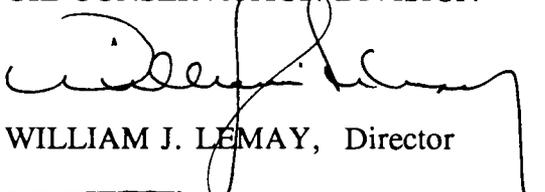
(GW-216) -Arapahoe Drilling Co., Inc., Mr. Johnny Ahlm, (505)-325-5018, P.O. BOX 2078, Farmington, NM, 87499 has submitted a Discharge plan application for their Farmington facility located in the NW/4, Section 13, Township 29 North, Range 13 West, NMPM, San Juan County, New Mexico. All effluents that may be generated at the facility will be collected in a closed top tank and transported offsite for disposal at an OCD approved facility; Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 70 feet with a total dissolved solids concentration of approximately 900 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 26th day of July, 1995.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY, Director

S E A L

NO EFFECT FINDING

The described action will have no effect on listed species, wetlands, or other important wildlife resources.

Date 8/7/95

Consultation # GW OCD95-1

Approved by _____

U.S. FISH and WILDLIFE SERVICE
NEW MEXICO ECOLOGICAL SERVICES FIELD OFFICE
ALBUQUERQUE, NEW MEXICO

NOTICE OF PUBLICATION
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ENERGY, MINERALS AND
NATURAL RESOURCES
DEPARTMENT
OIL CONSERVATION
DIVISION

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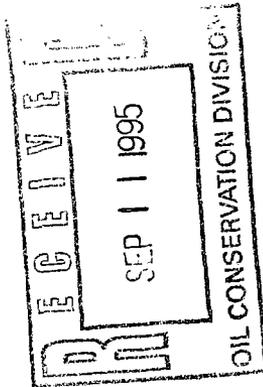
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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 26th day of July, 1995.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
s/WILLIAM J. LEMAY, Director
Journal: August 2, 1995.



STATE OF NEW MEXICO

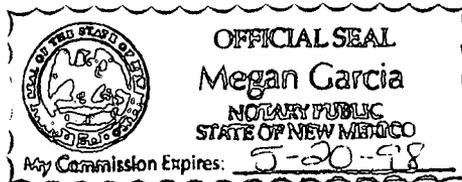
County of Bernalillo

SS

Bill Tafoya being duly sworn declares and says that he is Classified Advertising manager of **The Albuquerque Journal**, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has been made of assessed as court cost; that the notice, copy of which is hereto attached, was published in said paper in the regular daily edition, for 1 times, the first publication being of the 2nd day of August, 1995, and the subsequent consecutive publications on _____, 1995

Bill Tafoya
Sworn and subscribed to before me, a notary Public in and for the County of Bernalillo and State of New Mexico, this 2nd day of Aug. 1995

PRICE \$35.55
Statement to come at end of month.



Megan Garcia

CLA-22-A (R-1/93) ACCOUNT NUMBER C80932

AFFIDAVIT OF PUBLICATION

COPY OF PUBLICATION

No. 35106

Legals

STATE OF NEW MEXICO
County of San Juan:

ROBERT LOVETT being duly sworn says: That he is the Classified Manager of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication on the following day(s):

Wednesday, August 2, 1995

and the cost of publication was: \$54.67



On 8/3/95 ROBERT LOVETT appeared before me, whom I know personally to be the person who signed the above document.


_____ My Commission Expires March 21, 1998



NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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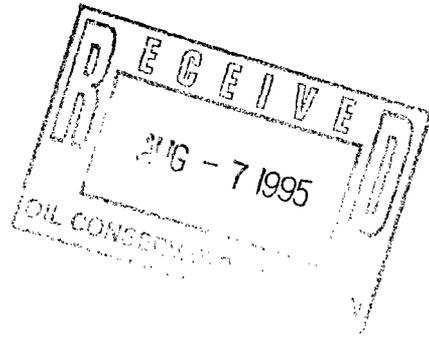
GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 26th day of July, 1995.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

/s/ William J. LeMay
WILLIAM J. LEMAY, Director

S E A L
tor

Legal No. 35106 published in The Daily Times, Farmington, New Mexico, Wednesday, August 2, 1995



OIL CONSERVATION DIVISION

July 28, 1995

CERTIFIED MAILRETURN RECEIPT NO. Z-765-963-099

Mr. Johnny Ahlm
 Arapahoe Drilling Co., Inc.
 P.O. Box 2078
 Farmington, NM 87499

**RE: Discharge Plan GW-216
 Arapahoe Drilling Co. Inc., Farmington facility
 San Juan County, New Mexico**

Dear Mr. Ahlm:

The NMOCD has received the proposed Arapahoe Drilling Co., Inc. discharge plan application for the facility located in NW/4, Section 13, Township 29 North, Range 13 West, NMPM, San Juan County, New Mexico. The NMOCD has prepared and sent out the public notice for the facility as stated in WQCC section 3-108 and has performed a preliminary review of the discharge plan proposed by Arapahoe Drilling Co. Inc. signed by Mr. Steve Schalk on July 20, 1995.

The following comments and request for additional information are based on the review of the Arapahoe Drilling Co. Inc. application. **Please note that unless otherwise stated, response to all comments shall be received and reviewed by the OCD prior to approval of the discharge plan application.**

Refer to the application package as submitted by Arapahoe Drilling Co. Inc. on July 20, 1995 as signed by Mr. Steve Schalk.

I. Pursuant to WQCC section 3-114 Arapahoe Drilling Co. Inc. is subject to the \$50 (fifty dollar) filing fee and the \$1,380 (One Thousand Three Hundred and Eighty Dollar) flat fee. The \$50 filing fee should have been submitted with your application and the \$1,380 flat fee is due upon approval of your proposed discharge plan - further you may pay the flat fee in five equal payments of \$276 dollars each year over the five year length of the permit. The permit will be good for five years and at that point will have to be renewed.

II. The review that follows will site specific information from your application that needs to be clarified. Enclosed you will find several attachments - the first of which will be the NMOCD guidelines for preparing a "Discharge Plan At Oil Field Service Facilities." These guidelines have been made available to you in the past, but upon review of your application it is not clear if they were used.

Mr. Johnny Ahlm
July 28, 1995
Page 2

- A. ITEM VI. of the guidelines - Materials stored or used at facility. This would be analogous to "Description of materials stored or used at the Arapahoe Drilling Co., Inc. yard" in the Arapahoe application.
1. During the inspection it was the inspectors understanding that a solvent is mixed with the used oil - has this practice ceased? Also, provide an MSD sheet for the solvent.
 2. Pipe or Thread dope is not mentioned - It was the Inspectors observation that this item was present at the facility. Provide an MSD sheet for the pipe/thread dope.
- B. ITEM VII. of the guidelines - Sources and quantities of effluent and waste solids generated at the facility. There is no analogous section in the Arapahoe submittal.
1. Use the guidelines and prepare this section - you may wish to reference the inspection report from NMOCD dated April 25, 1995 for help.
- C. ITEM VIII. of the guidelines - Description of current liquid and solid waste/storage/disposal procedures. This would be analogous to "Effluent, liquid and solid waste Arapahoe Drilling Co., Inc. yard" in the Arapahoe application.
1. Does the solid waste in the metal screen dumpster actually go to the city of Farmington or does it actually go to Waste Management?
 2. The fluid that gathers in the steel containment tank under the Used Oil Tank can contain oil - do not send this water to class II disposal facilities such as Sunco or Basin as they cannot take non-exempt wastes.
 3. The steel tank under the used oil storage tank also needs to be thoroughly cleaned annually for mechanical integrity. Arapahoe needs to keep a written record of these annual inspections.
- NOTE: Enclosed you find literature that explains exempt and non-exempt wastes in the oil patch. Arapahoe is encouraged to read the information and apply it at the yard as well as on location.
4. Empty drums should be stored in one area on their side on pad/curb type containment, with the bungs in place and horizontal to the ground.
 5. During the inspection there were several used batteries - provide information regarding their disposal as well as other items that were noted on the NMOCD report dated April 25, 1995.
- D. ITEM IX. of the guidelines - Proposed Modifications. There is no analogous part in the application as submitted by Arapahoe Drilling Co., Inc.
1. Use the guidelines and propose modifications for the facility where needed- Example(s): address an empty drum storage area and a housekeeping plan regarding oil spills at the facility.
 2. Propose a timetable with target dates for implementing the modifications.

- E. ITEM X. of the guidelines. Inspection, Maintenance and Reporting. There is no analogous part in the application as submitted by Arapahoe Drilling Co., Inc.
1. Describe as outlined in the guidelines routine maintenance and inspection practices that will insure compliance.

Example(s): Annual inspection/cleaning of the steel containment tank that is below the used oil tank. Weekly inspection of the drum storage area(s).

2. Attached is the NMOCD rule 116 and WQCC 1-203 for spill reporting - include these reporting requirements as part of the discharge plan. In the event of a spill that is reportable according to the above rules - contact the Aztec NMOCD office at 334-6178.
 3. Describe how precipitation /runoff will be managed according to part X. C. of the guidelines.
- F. ITEM XI. of the guidelines. Spill/Leak prevention and reporting procedures (contingency plans). There is no analogous part in the application as submitted by Arapahoe Drilling Co., Inc.

Use the guidelines to prepare a "Contingency Plan" for the facility. This is guideline section XI. A, B, and C.

- G. ITEM XII. of the guidelines. Site Characteristics. This is analogous to "Statement Concerning Use of Yard Arapahoe Drilling Co., Inc. Yard."
1. Enclosed is a copy of a topographic map showing the approximate location of the Arapahoe Drilling Co., Inc. yard. Arapahoe may obtain a 7.5 minute Topographic map of the Farmington Quadrangle at any local map supplier in Farmington.
 2. The NMOCD referenced GW-97 a discharge plan facility next to the Arapahoe yard for groundwater data. Depth to groundwater about 70 feet, and Total Dissolved Solids (TDS) of about 900 mg/l.
 3. If Arapahoe chooses the following groundwater report may be purchased from New Mexico Bureau of Mines and Mineral Resources - Phone (505)-835-5410; "Hydrogeology and water resources of San Juan Basin, New Mexico." Hydrologic Report 6, 1983.
- H. ITEM XIII. of the guidelines. Other Compliance Information. No Analogous submittal from Arapahoe Drilling Co., Inc.

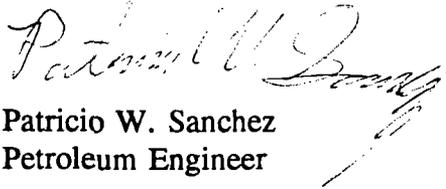
Attach the enclosures labelled XIII. A. and XIII. B. to the discharge plan.

Mr. Johnny Ahlm
July 28, 1995
Page 4

Submittal of the requested information and commitments in a timely fashion will expedite the final review of the application and approval of the discharge plan. Submit the information in three copies - two to Santa Fe, and one copy to Aztec.

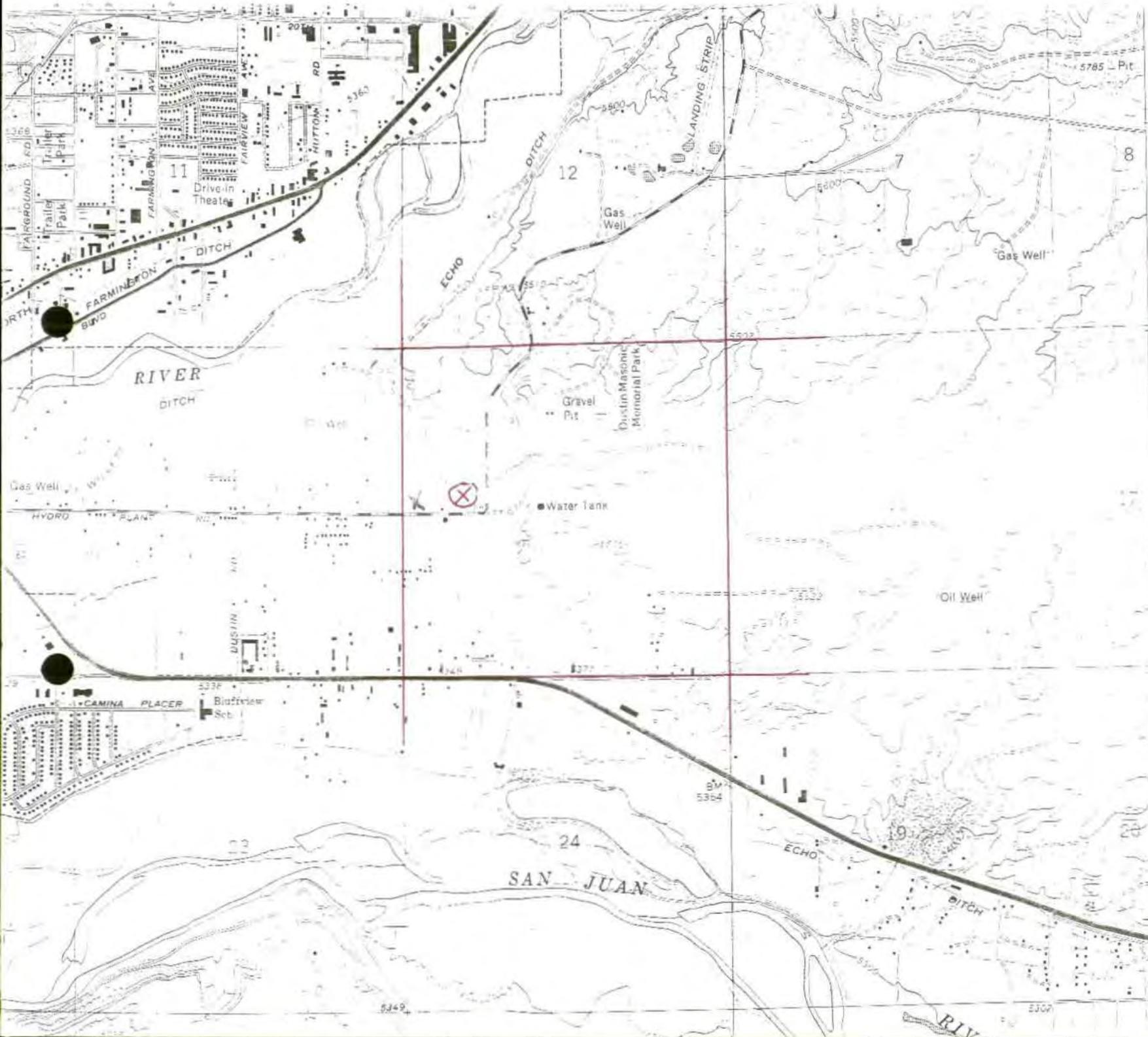
If you have any questions, please feel free to call me at (505)-827-7156.

Sincerely,



Patricio W. Sanchez
Petroleum Engineer

xc: Mr. Denny Foust - Environmental Representative District III.



2 090 000
FEET

⊗ Anapahoe
Drilling
(Approximate Location)
NW1/4, Sec 13, T29N
R13W, NMPM,
San Juan County,
New Mexico

4068

4067

42'30"

5349
5306
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NOTICE OF PUBLICATION

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

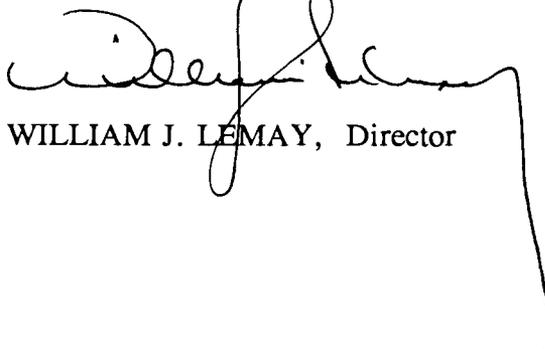
(GW-216) -Arapahoe Drilling Co., Inc., Mr. Johnny Ahlm, (505)-325-5018, P.O. BOX 2078, Farmington, NM, 87499 has submitted a Discharge plan application for their Farmington facility located in the NW/4, Section 13, Township 29 North, Range 13 West, NMPM, San Juan County, New Mexico. All effluents that may be generated at the facility will be collected in a closed top tank and transported offsite for disposal at an OCD approved facility; Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 70 feet with a total dissolved solids concentration of approximately 900 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 26th day of July, 1995.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY, Director

S E A L

ARAPAHOE DRILLING CO., INC.
P. O. BOX 26687
ALBUQUERQUE, NEW MEXICO 87125

OIL CONSERVATION DIVISION
RECEIVED
195 JUL 25 AM 8 52

STEVE SCHALK
PRESIDENT

July 20, 1995

RECEIVED

JUL 25 1995

CERTIFIED MAIL

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 S. Pacheco
Santa Fe, New Mexico 87505

Environmental Bureau
Oil Conservation Division

Re: Discharge Plan Application

GW-216

Gentlemen:

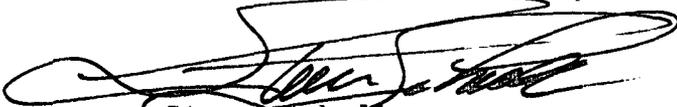
We have received your letter dated April 21, 1995 and are submitting the enclosed Discharge Plan Application as instructed in your letter.

As we have demonstrated, our Farmington yard facility is primarily a storage facility for iron (drilling rig components). We are not certain, given that situation, that a discharge plan is necessary. However, we are submitting the information to you as requested.

Your April 21st letter also addresses certain fees that are necessary. ~~As you may know,~~ our industry is severely depressed right now. We have only had one rig working for less than two months this year, as compared to past years when we have had three or more rigs at work continuously. Given the condition of our industry, arbitrary fees such as the "flat rate fee" and "filing fee" referenced in your letter are most difficult, if not impossible, to budget for and ultimately pay. We are submitting the Application to you for your information and because it was requested; however, we are uncertain as how to proceed given the expensive nature of this procedure. We are hopeful that the enclosed plan can be approved and returned to us and the various fees be waived.

Yours very truly,

ARAPAHOE DRILLING CO., INC.



Steve Schalk
President

District I - (505) 393-6161
P. O. Box 1920
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88211-0719
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

State of New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Revised 4/18/95

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to appropriate
District Office

OIL CONSERVATION DIVISION
RECEIVED
195 JUL 25 AM 8 52

DISCHARGE PLAN APPLICATION FOR OILFIELD SERVICE FACILITIES

(Refer to the OCD Guidelines for assistance in completing the application)

New Renewal Modification

RECEIVED

JUL 25 1995

Environmental Bureau
Oil Conservation Division

1. Type: Drilling Contractor
2. Operator: Arapahoe Drilling Co., Inc.
Address: P. O. Box 2078 Farmington, NM 87499
Contact Person: Johnny Ahlm Phone: 325-5018

3. Location: NW /4 Section 13 Township 29N Range 13W
Submit large scale topographic map showing exact location.

- Attach the name and address of the landowner of the facility site.
Arapahoe Drilling Co., Inc., P. O. Box 26687, Albuquerque, NM 87125
- Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
- Attach a description of all materials stored or used at the facility.
- Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
- Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
- Attach a description of proposed modifications to existing collection/treatment/disposal systems.
- Attach a routine inspection and maintenance plan to ensure permit compliance.
- Attach a contingency plan for reporting and clean-up of spills or releases.
- Attach geological/hydrological evidence demonstrating that disposal of oil field wastes will not adversely impact fresh water. Depth to and quality of ground water must be included.
- Attach such other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.

14. CERTIFICATION

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Steve Schalk

Title: President

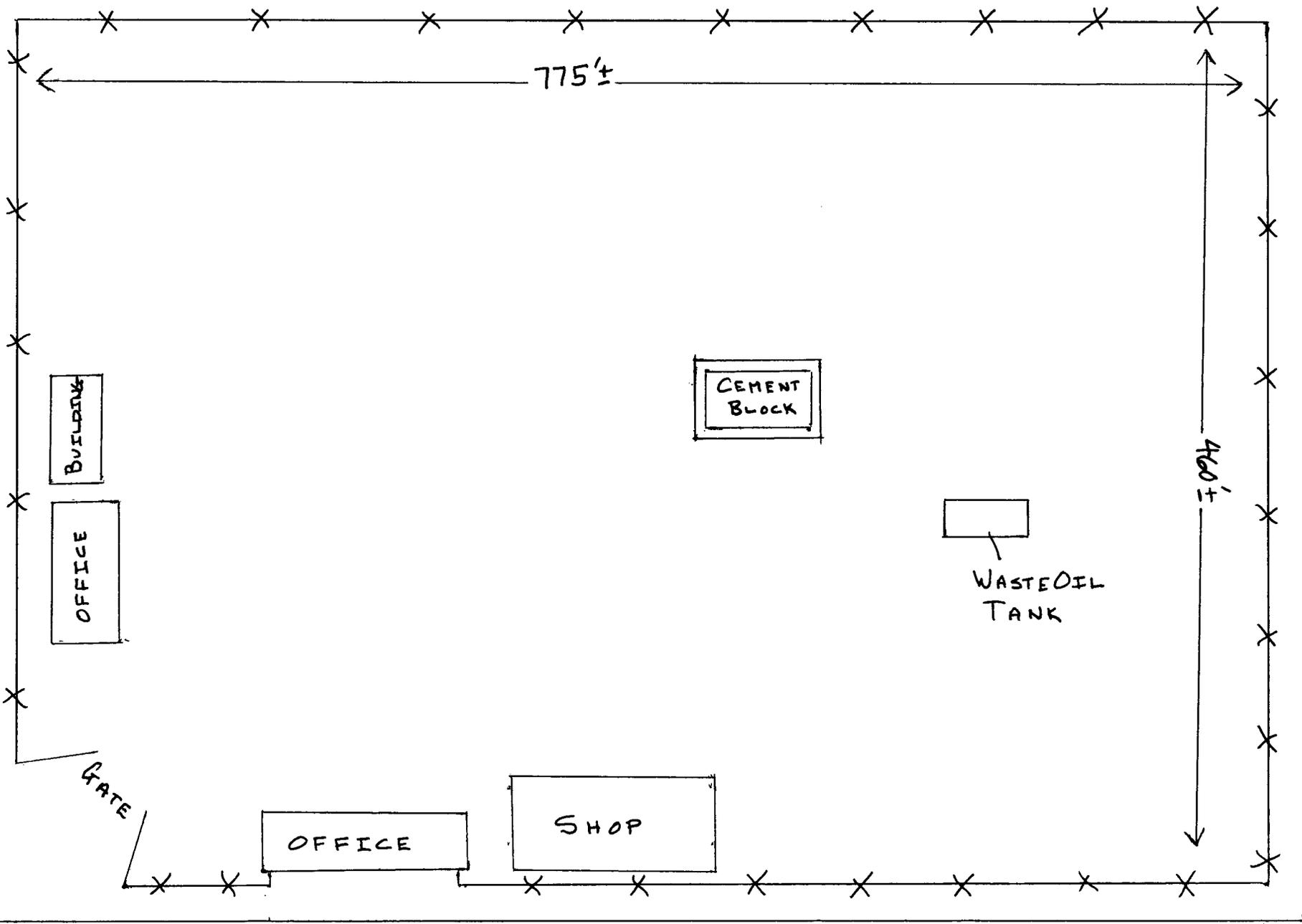
Signature: [Handwritten Signature]

Date: 7/20/95

AMOCO PRODUCTION Co.

N →

FOUR CORNERS
SANDBLASTING Co.



775'±

460'±

BUILDING

OFFICE

CEMENT
BLOCK

WASTED OIL
TANK

OFFICE

SHOP

AMOCO STREET

SOUTHSIDE RIVER ROAD

SANDSTONE
STREET

DESCRIPTION OF MATERIALS STORED OR USED AT
ARAPAHOE DRILLING CO., INC. YARD AT
3300 SOUTHSIDE RIVER ROAD, FARMINGTON, NEW MEXICO

1. Between three (3) and five (5) 55 gallon drums of antifreeze stored on concrete pad in center of yard.
2. Between four (4) and six (6) 55 gallon drums of methanol stored on concrete pad in center of yard.
3. Two (2) barrels (approximately 50 gallons each) of soap stored on concrete pad in center of yard.
4. One 55 gallon drum of F20W40 motor oil stored on concrete pad in center of yard.
5. One case or less of standard motor oil for automobiles stored in building on west side of yard.
6. One eighty (80) barrel tank used to deposit waste oil in center of yard. Oil goes to Mesa or D&D.
7. Drilling rigs and drilling rig components and accessories stored throughout yard.

Any other materials used in the operations are purchased as needed and not stored at yard.

EFFLUENT, LIQUID AND SOLID WASTE
ARAPAHOE DRILLING CO., INC. YARD
3300 SOUTHSIDE RIVER ROAD
FARMINGTON, NEW MEXICO

1. Solid waste is contained in a metal screen dumpster on the north side of the shop on the south side of the yard. The container is hauled when full and emptied at a city refuse facility.
2. Waste water at the yard consists of normal daily use of toilets and sinks in the bathrooms of the offices. This would consist of a water usage of we estimate no more than ten (10) gallons per day. There are two septic/leech fields for this domestic waste.
3. Used motor oil is deposited in an eighty (80) barrel tank in the middle of the yard. This used oil goes to Mesa or D&D. There is a collection tank under this facility to catch any spillage and/or leaks. Fluid that may gather in this tank (usually natural precipitation) is hauled off site to an approved water disposal facility.

STATEMENT CONCERNING USE OF YARD
ARAPAHOE DRILLING CO., INC. YARD
3300 SOUTHSIDE RIVER ROAD
FARMINGTON, NEW MEXICO

1. There are no activities performed in the yard that would cause any type of spills or releases. All work is performed at the locations where the drilling rig(s) are working. There is only one employee who works at the office in the yard. The yard is used for storage only.
2. The items listed under "Description of Materials Stored or Used" are kept on an isolated cement pad in the center of the yard where any spills and/or leaks can be quickly detected. There have not been any spills or releases in recent memory. The pad is checked daily.
3. We have no geological/hydrological evidence to demonstrate fresh water depth or quality since we do not use the facility for ongoing industrial operations that would produce waste. The only waste generated is limited domestic waste, which has been addressed herein. There are no operations that would adversely impact fresh water or the area in general.

* Reference GW-97 (Western Co. of NA)
70' (feet) to groundwater
TDS at 900 mg/L

PWG

7-26-95



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 25, 1995

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-962-669

Mr. Johnny Alm
Arapahoe Drilling Co. Inc.
P.O. BOX 2078
Farmington, NM 87499

**RE: Discharge Plan Requirement Inspection
Farmington Facility
San Juan County, New Mexico**

Dear Mr. Alm:

Outlined below are the observations and findings made by the NMOCD team that recently inspected the Arapahoe Drilling Co. Inc. facility at 3300 southside river road in Farmington, New Mexico.

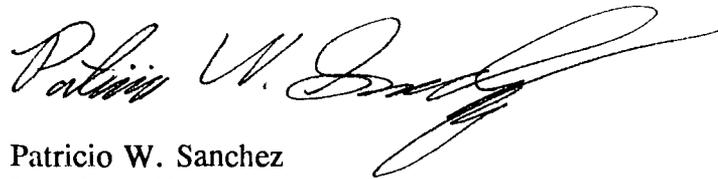
1. Two septic/leech fields on the facility that handle only domestic waste.
2. Used oil goes to Mesa or D&D.
3. Solvent mixed with oil - not sure about the type of solvent. Arapahoe will need to get an MSDS on the solvent. This is not a good practice and should be stopped.
4. Full drums need to be stored on some sort of pad and curb type containment.
5. Drums need to be clearly labelled as to their contents.
6. Empty drums need to be stored on their side with the bungs in place and horizontal to the ground.

Mr. Johnny Alm
April 25, 1995
Page 2

7. Old batteries need to be disposed of.
8. Waste oil tank needs to be labelled as "USED OIL."
10. Used oil storage tank has an old steel mud pit under it - this pit needs to stay dry.
Note: This pit will need to be addressed in the discharge plan.

If Arapahoe has any questions regarding this matter please feel free to call me at (505)-827-7156.

Sincerely,



Patricio W. Sanchez
Petroleum Engineer

xc: Denny Foust



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 21, 1995

CERTIFIED MAIL
RETURN RECEIPT NO.Z-765-962-661

Mr. Johnny Alm
Arapahoe Drilling Co. Inc.
P.O. BOX 2078
Farmington, NM 87499

**RE: Discharge Plan Requirement
Farmington Facility
San Juan County, New Mexico**

Dear Mr. Alm:

Under the provision of the Water Quality Control Commission (WQCC) Regulations, Arapahoe Drilling Co. Inc. is hereby notified that the filing of a discharge plan is required for the Arapahoe Drilling Co. Inc. facilities located at 3300 Southside River Road Farmington, New Mexico.

The discharge plan is required pursuant to Section 3-104 and 3-106 of the WQCC regulations. The discharge plan, defined in Section 1.101.Q of the WQCC regulations should cover all discharges of effluent or leachate at the facility site or adjacent to the facility site. Included in the plan should be plans for controlling spills and accidental discharges at the facility, including detection of leaks in buried underground tanks and/or piping.

Pursuant to Section 3-106.A, a discharge plan should be submitted for approval to the OCD Director within 120 days of receipt of this letter. Three copies of the discharge plan should be submitted.

Mr. Johnny Alm
April 21, 1995
Page 2

A copy of the regulations and guidelines have been provided to Arapahoe Drilling Co. Inc. at a recent field inspection by OCD staff. Enclosed Arapahoe Drilling Co. Inc. will find an application form to be used with the guidelines for the preparation of discharge plans at oil & gas service companies. The guideline addresses berming of tanks, curbing and paving of process areas susceptible to leaks or spills and the disposition of any solid wastes.

The discharge plan is subject to the WQCC Regulation 3-114 discharge plan fee. Every billable facility submitting a discharge plan will be assessed a fee equal to the filing fee of fifty (50) dollars plus the flat rate of one thousand, three hundred and eighty (\$1380) dollars for oil & gas service companies. The fifty (50) dollar filing fee is due when the discharge plan is submitted. The flat rate fee is due upon approval of the discharge plan.

Please make all checks payable to: **NMED Water Quality Management** and addressed to the OCD Santa Fe office.

If there are any questions on this matter, please feel free to contact Patricio Sanchez at 827-7156 or Roger Anderson at 827-7152.

Sincerely,

A handwritten signature in cursive script, appearing to read "William J. LeMay" followed by a flourish and the initials "WJL".

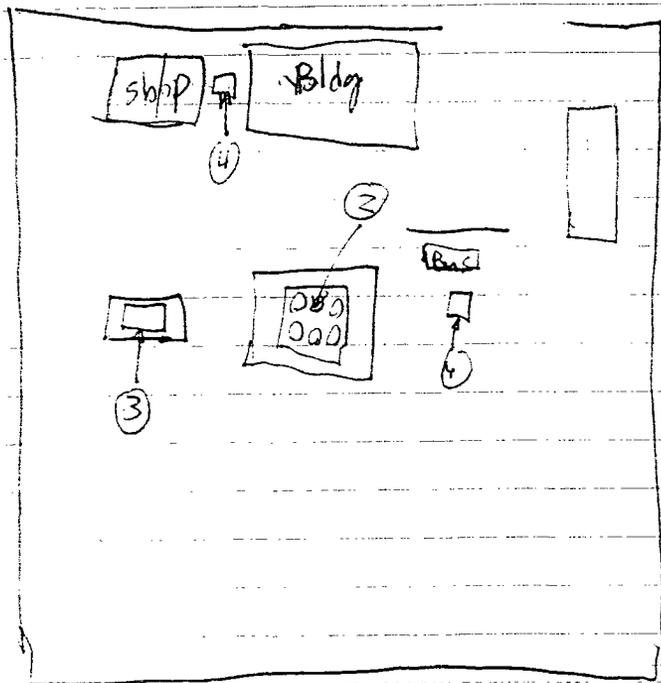
William J. LeMay
Director

WJL/pws

XC: OCD Aztec Office

• Arapahoe - Johnny Alm

* { Dave Tanko - with MED;
"Bubble city wash - Laguna -
Citizen Deal - Johnny has land
Nearby" }



① 2 - Septic Tanks
handle only Domestic wells.

⑩

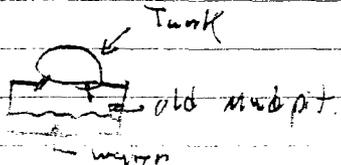
⑪

- Used oil goes to Mesa or D+D.

- Change oil here - put in w/ used oil from the rig.

- Solvent - mixed w/ oil - From graves not sure what it is.

- (2) Drums need some sort of curbing already on concrete pad. - They propose cluster blocks w/ Redmix.

- (3) Used oil pit 

- (4) Septic Tanks - 2

- (5) Address Batteries.

(12)

- points in closing.

- Housekeeping - racking;

- Batteries

- Drum storage.

- Containment around Pad w/ drums.

- 2ndry containment under used oil tank - Below grade - Inspect & log - look for Leaks.

- Vis. of barrels - housekeeping.

- Mailing -

P.O. Box 2078

87499

Street 3300 Southside river road, Farmington N.M.

(B)