

GW - 133

**GENERAL  
CORRESPONDENCE**

**YEAR(S):**  
2006-1993

2006 AUG 23 AM 11 44



Environmental Department  
188 County Road 4900  
Bloomfield, NM 87413  
505/632-4606  
505/632-4781 Fax

August 22, 2006

Mr. Wayne Price  
New Mexico Oil Conservation Division  
Environmental Bureau  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Re: Change of Company Name

Dear Mr. Price;

In accordance with Conditions of Discharge Plan Approval attached to each discharge plan approved by the New Mexico Oil Conservation Division, we hereby provide notice of a change of ownership for the Williams facilities identified in the attached table to Williams Four Corners, LLC.

As a corporate strategy, Williams has created regional limited liability corporations for our assets. So, although a new corporation has been created, Williams Four Corners LLC is still a wholly-owned unit of Williams, and there is no change of corporate ownership for these facilities. Williams will continue to comply with the terms and conditions of all approved discharge plans. All other administrative items (responsible official, environmental contacts, mailing addresses, etc.) remain unchanged.

If you have any questions, please call David Bays, Senior Environmental Specialist, at (505) 632-4951 or Ingrid Deklau of Cirrus Consulting at (801) 583-3107.

Sincerely,

A handwritten signature in black ink that reads "David Bays".

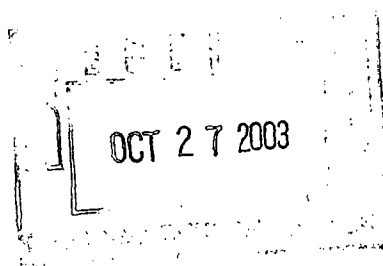
David Bays  
Senior Environmental Specialist

Attachments

xc: Clara Cardoza  
Monica Sandoval  
WFS FCA file 210



Williams Energy Services-Enve  
188 CR 4900  
Bloomfield, NM 87413  
505/632-4606  
505/632-4781 Fax



October 23, 2003

Mr. Jack Ford  
Oil Conservation Division  
1220 South St Francis Dr  
Santa Fe NM 87505

Re: Drain Line Testing Results at Various Williams Field Services Facilities

Dear Mr. Ford:

Williams Field Services conducted a facility review and drain line testing in accordance to the Oil Conservation Division Discharge Plan requirements. Subsurface, non-pressurized process and wastewater lines were tested. The facility drain line testing reports are enclosed with this letter. A review and testing summary is provided in the table below.

Facility	Permit #	Completion Date	Results	Comments
29-6 #2 CDP	GW-112	10/9/2003	Passed	
30-8 CDP	GW-133	8/12/2003	Passed	facility broke up into 2 test sections, both passed
31-6 CDP	GW-118	9/17/2003	Passed	Both WFS and WPX sides passed
32-7 CDP	GW-117	7/29/2003	Passed	facility broke up into 3 test sections, both passed
32-8 #3 CDP	GW-116	7/8/2003	Passed	
Aztec CDP	GW-155	8/18/2003	Passed	facility broke up into 3 test sections, both passed
Carracas CDP	GW-112	8/7/2003	Passed	
Decker Junction	GW-134	8/13/2003	Passed	
Rosa #1CS	GW-292	12/10/2002	Passed	
Sims Mesa CDP	GW-68	9/30/2003	Passed	facility broke up into 2 test sections, both passed
Snowshoe CS	GW-287	11/8/2002	Passed	
Trunk A CDP	GW-248	12/16/2002	Passed	
Trunk L CDP	GW-180	10/17/2003	Passed	
Trunk N CDP	GW-306	7/17/2003	Passed	

If you have any questions or require additional information, please contact me at (505) 632-4606.

Respectfully Submitted,

Clara M. Garcia  
Environmental Compliance

Attachments: Drain Line Testing Reports

xc: FCA Environmental 220 File  
Denny Foust, OCD Aztec

Environmental Waste Water Line  
Test Report



LOCATION:	30-8
DATE:	8-12-03
Sec, Range and Township	Sec. 32 T31N R8W

START OF WATER FILL:	DATE: 8-11-03	TIME: 1:00 PM
START OF TEST PERIOD:	DATE: 8-12-03	TIME: 10:06 AM
END OF TEST PERIOD:	DATE: 8-12-03	TIME: 11:06 AM

- TEST DATA:
1. Water height by manual measurement at the datum.
  2. Test to commence when maximum fill is reached and first manual measurement is recorded.
  3. Test time 1 hour at 3lbs

No.	Time	Water Height	Remarks:
1	10:06	9' 0"	Holding
2			
3	10:20	8' 11 3/4"	Dropped 1/4"
4			
5	10:36	8' 11 1/2"	Dropped 1/2"
6			
7			
8	10:50	8' 11 1/4"	Dropped 3/4"
9			
10	11:06	8' 11"	Dropped 1"

Additional Remarks:

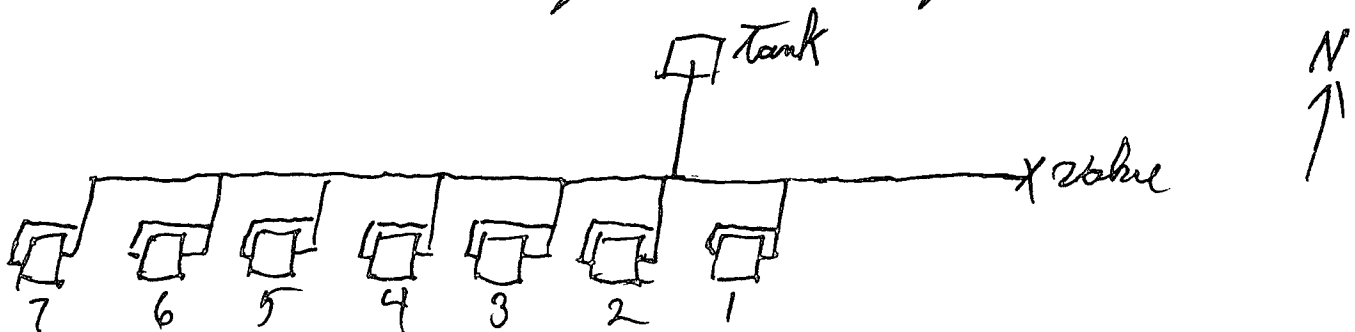
Site cut into two sections this test is on North Section containing seven compo.

TEST IS: ☒ ACCEPTED ☐ REJECTED

RECORDED BY: Tracy Charence - Sunlano  
(TEST Contractor)

VERIFIED BY: Shelley Bell  
(LOCATION SUPERVISOR)

APPROVED BY: Bryant Mowdy  
(Test Inspector)



Environmental Waste Water Line  
Test Report



LOCATION: <u>30-8</u>
DATE: <u>8-11-03</u>
Sec, Range and Township <u>Sec. 32 T31N R8W</u>

START OF WATER FILL:	DATE: <u>8-11-03</u>	TIME: <u>9:00 AM</u>
START OF TEST PERIOD:	DATE: <u>8-12-03</u>	TIME: <u>7:00 AM</u>
END OF TEST PERIOD:	DATE: <u>8-12-03</u>	TIME: <u>8:00 AM</u>

- TEST DATA:
1. Water height by manual measurement at the datum.
  2. Test to commence when maximum fill is reached and first manual measurement is recorded.
  3. Test time 1 hour at 3lbs

No.	Time	Water Height	Remarks:
1	7:00	9'1"	Holding
2	7:10	9'1"	
3	7:15	9'1"	
4	7:20	9'1"	
5	7:30	9'1"	
6	7:40	9'1"	
7	7:45	9'1"	
8	7:50	9'1"	
9	7:55	9'1"	
10	8:00	9'1"	Test Held

Additional Remarks:

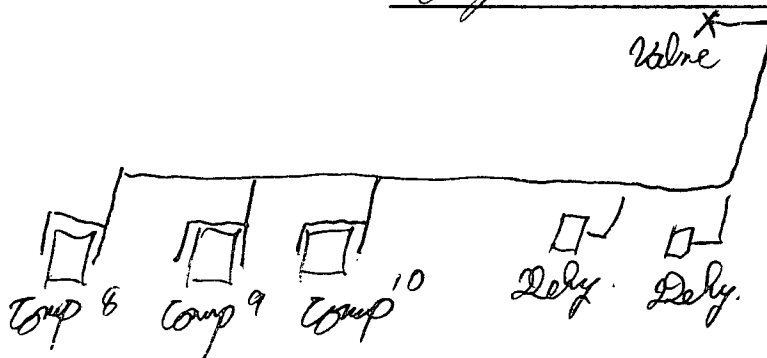
System cut into two sections South Section  
has Comps. # 8 & 9 & 10 and two Delays

TEST IS: ☒ ACCEPTED ☐ REJECTED

RECORDED BY: [Signature] (TEST Contractor)

VERIFIED BY: [Signature] (LOCATION SUPERVISOR)

APPROVED BY: [Signature] (Test Inspector)



RECEIVED

JUL 16 2003

OIL CONSERVATION  
DIVISION



Environmental Affairs  
188 CR 4900  
Bloomfield, NM 87413  
505/632-4606  
505/632-4781 Fax

July 14, 2003

Mr. Jack Ford  
New Mexico Oil Conservation Division  
Water Quality Management Fund  
2040 South Pacheco  
Santa Fe NM 87505

**Re: Discharge Plan GW-045, -129, -133, -134, -155, -292, -293, and -306**

Dear Mr. Ford:

Enclosed please find the signed copy of the discharge plan conditions for the Williams Field Services (WFS) Kutz Canyon Gas Plant, Crouch Mesa CDP, 30-8 CDP, Decker Junction CS, Aztec CDP, Rosa #1 CS, Gallegos, CS, and Trunk N CS. Also included is the flat fee required by the approval conditions.

Williams Field Services appreciates your assistance in handling this and processing the fees. If you have any questions or require additional information, please contact me at 505/632/4606.

Thank you,

Clara M Garcia  
Environmental Compliance

Xc: Denny Foust, Aztec, OCD Dist III

**ACKNOWLEDGEMENT OF RECEIPT  
OF CHECK/CASH**

I hereby acknowledge receipt of check No. [REDACTED] dated 6-26-23,  
or cash received on 6-26-23 in the amount of \$ 13,300 -

from Williams Field Services  
for See attached cover letter (Combines w/check #3500012241)

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

Submitted to ASD by: \_\_\_\_\_ Date: \_\_\_\_\_

Received in ASD by: \_\_\_\_\_ Date: \_\_\_\_\_

Filing Fee \_\_\_\_\_ New Facility \_\_\_\_\_ Renewal ☒

Modification \_\_\_\_\_ Other \_\_\_\_\_

Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment           

[illegible]

ACKNOWLEDGEMENT OF RECEIPT  
OF CHECK/CASH

I hereby acknowledge receipt of check No. [REDACTED] dated 7-11-03,

or cash received on \_\_\_\_\_ in the amount of \$ 2,600.00

from Williams Field Services

for See attached cover letter

Submitted by: [Signature] Date: 7-17-03

Submitted to ASD by: \_\_\_\_\_ Date: \_\_\_\_\_

Received in ASD by: \_\_\_\_\_ Date: \_\_\_\_\_

Filing Fee \_\_\_\_\_ New Facility \_\_\_\_\_ Renewal ☒

Modification \_\_\_\_\_ Other \_\_\_\_\_

Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.

Full Payment ☒ or Annual Increment \_\_\_\_\_

THIS NOTE TO THE AREA OF THE DOCUMENT CHANGES COLOR GRADUALLY AND EVENLY FROM DARK TO LIGHT WITH DARKER AREAS BOTH TOP AND BOTTOM. IT ALSO HAS A REFLECTIVE WATERMARK ON THE BACK.

**Williams**

WILLIAMS FIELD SERVICES COMPANY  
A DIVISION OF WILLIAMS HOLDINGS

DATE: 07/17/2003

PAY TO THE ORDER OF

PAY →

\*\*\*\*\*\$2,600.00

WATER MANAGEMENT QUALITY MANAGEMENT FUND  
C/O OIL CONSERVATION DIV  
1220 S ST FRANCIS DR

SANTA FE  
United States

NM 87505

Bank One, NA  
Illinois

[Signature]  
Authorized Signer

VOID VOID VOID  
VOID VOID VOID





# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**  
Cabinet Secretary

**Lori Wrotenbery**

Director

**Oil Conservation Division**

April 21, 2003

Mr. Michael K. Lane  
Williams Field Services Company  
118 County Road 4900  
Bloomfield, New Mexico 87413

**RE: Discharge Plan Renewal GW-133  
Williams Field Services Company  
30-8 CDP Compressor Station  
San Juan County, New Mexico**

Dear Mr. Lane:

The ground water discharge plan renewal GW-133 for the Williams Field Services Company 30-8 CDP Compressor Station located in the SW/4 SE/4 of Section 32, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico, **is hereby approved** under the conditions contained in the enclosed attachment. The discharge plan consists of the original application dated February 19, 1993 approved April 15, 1993, the renewal application dated March 19, 2003 and the attached stipulations of approval. 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 discharge plan renewal application was submitted pursuant to 20 NMAC 3106 of the New Mexico Water Quality Control Commission (WQCC) Regulations. It is approved pursuant to 20 NMAC 3109.A. Please note 20 NMACs 3109.E and 20NMAC 3109.F, which provide for possible future amendments or modifications of the plan. Please be advised that approval of this plan does not relieve Williams Field Services Company 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. Michael K. Lane  
GW- 133 30-8CDP Compressor Station  
April 16, 2003  
Page 2

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Please note that 20 NMAC 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 20 NMAC 3107.C., Williams Field Services Company 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 20 NMAC 3109.G.4., this plan is for a period of five years. This approval will expire on **April 15, 2008**, and Williams Field Services Company should submit an application in ample time before this date. Note that under 20 NMAC 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 renewal.

The discharge plan renewal application for the Williams Field Services Company 30-8 CDP Compressor Station is subject to WQCC Regulation 3114. Every billable facility submitting a renewal discharge plan application will be assessed a fee equal to the filing fee of \$100 plus a flat fee of \$1,700.00 for compressor station with greater than 1,001 horsepower rating. The OCD has received the filing fee.

**Please make all checks payable to: Water Management Quality Management Fund  
C/o: Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505.**

If you have any questions please contact Mr. W. Jack Ford at (505) 476-3489. 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

ATTACHMENT TO THE DISCHARGE PLAN GW-133  
WILLIAMS FIELD SERVICES COMPANY  
30-8 CDP COMPRESSOR STATION  
DISCHARGE PLAN APPROVAL CONDITIONS  
(April 21, 2003)

1. Payment of Discharge Plan Fees: The \$100.00 filing fee has been received by the OCD. The \$1,700.00 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. Williams Field Services Company Commitments: Williams Field Services Company will abide by all commitments submitted in the discharge plan renewal application dated March 19, 2003 and these stipulations for renewal.
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 characterization per 40 CFR Part 261.
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 at present and then every 5 years thereafter, or prior to discharge plan renewal. Permittees 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: 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. All 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. Closure of Class V wells must be in accordance with a plan approved by the Division's Santa Fe Office. The OCD allows industry to submit closure plans that are protective of human health, the environment and groundwater as defined by the WQCC, and are cost effective. 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: Williams Field Services Company shall maintain storm water runoff controls. As a result of Williams Field Services Company's operations any water contaminant that exceeds the WQCC standards listed in 20 NMAC 6.2.3101 is discharged in any storm water runoff then Williams Field Services Company shall notify the OCD within 24 hours, modify the plan within 15 days and submit for OCD approval. Williams Field Services Company shall also take immediate corrective actions pursuant to Item 12 of these conditions.

16. Closure: The OCD will be notified when operations of the 30-8 CDP Compressor Station are discontinued for a period in excess of six months. Prior to closure of the 30-8 CDP Compressor Station 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: Williams Field Services Company, by the officer whose signature appears below, accepts this permit and agrees to comply with all terms and conditions contained herein. Williams Field Services Company 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:

WILLIAMS FIELD SERVICES COMPANY

by \_\_\_\_\_  
Title

**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 permit application(s) has been submitted to the Director of the Oil Conservation Division, 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-296) - Flatrock Energy Partners on behalf of Raptor Gas Transmission LLC, operated by ConocoPhillips Midstream Operations, Joyce Miley, (281) 293-4498, P.O. Box 2197-Humble 3036, Houston, Texas 77252-2197, has submitted a discharge permit renewal application for the Cedar Canyon Compressor Station located in the SE/4 SE/4 of Section 9, Township 24 South, Range 29 East, NMPM, Eddy County, New Mexico. All wastes generated will be stored in closed top receptacles prior to offsite disposal or recycling at an OCD approved site. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 50 feet with a total dissolved solids concentration of approximately 1000 mg/l. Natural gas products, waste oil and water is stored in above ground tanks prior to being transported off-site to OCD approved facilities. 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.

(GW-143) - Flatrock Energy Partners on behalf of Raptor Gas Transmission LLC, operated by ConocoPhillips Midstream Operations, Joyce Miley, (281) 293-4498, P.O. Box 2197-Humble 3036, Houston, Texas 77252-2197, has submitted a discharge

permit renewal application for the Cal-Mon Compressor Station located in the SE/4 NW/4 of Section 35, Township 23 South, Range 31 East, NMPM, Eddy County, New Mexico. All wastes generated will be stored in closed top receptacles prior to offsite disposal or recycling at an OCD approved site. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 200 feet with a total dissolved solids concentration of approximately 3500 mg/l. Natural gas products, waste oil and water are stored in above ground tanks prior to being transported off-site to OCD approved facilities. 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.

(GW-136) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services 29-7 #1 CDP Compressor Station located in the NE/4 SE/4 of Section 15, Township 29 North, Range 7 West, NMPM, Rio Arriba County, New Mexico. Approximately 5000 to 15000 gallons per year of waste water is stored in an above ground storage tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 50 to 200 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-149) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal applica-

tion for the Williams Field Services El Cedro Compressor Station located in the NW/4 of Section 31, Township 29 North, Range 5 West, NMPM, San Juan County, New Mexico. Approximately 1000 to 4000 barrels per year of processed water is stored in an above ground steel tank prior to transport to an OCD approved off-site

disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of approximately 145 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-295) - Smith Services (formerly B & B Machine Shop), Mr. Maurice Sticker, (505) 393-4964, 1120 West Bender Blvd., Hobbs, New Mexico 88240, has submitted a discharge renewal application for the Smith Services (formerly B & B Machine Shop) Hobbs Facility located in Section 21, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico. Approximately 30 gallons per month of waste motor oils are collected in drums then transported off-site for disposal. Approximately 2 gallons per month of used solvents are recycled on site. Scrap metals are collected in barrels and transported off site for recycling. Ground water most likely to be affected in the event of an accidental discharge is at an estimated depth of 50 feet with a total dissolved solids concentration ranging from 390 to 480 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-045) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services Kutz Canyon Gas Processing Plant facility lo-

cated in the SW/4 of Section 12, NE/4 of Section 13, SE/4 of Section 14, Township 28 North, Range 11 West, NMPM, San Juan County, New Mexico. Approximately 1 to 1.5 million gallons per year of process waste water is disposed of in an OCD approved double lined evaporation pond with leak detection. The total dissolved solids (TDS) of the waste water is approximately 1,500 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is shallow perched water with TDS concentrations ranging from 8,000 to 18,000 mg/l. Deeper ground water is at a depth of 200 feet with estimated total dissolved solids concentration ranging from 2,000 to 4,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-129) - Williams Field Services, Michael K. Lane, (505)

Ground water most likely to be affected in the event of an accidental discharge is at an estimated depth of approximately 300 feet with a total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-293) - Williams Field Services, Michael K. Lane, (505) 632-4625, 188 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge renewal application for the Williams Field Services Gallegos compressor station facility located in the NW/4 NW/4 of Section 7, Township 25 North, Range 10 West, NMPM, San Juan County, New Mexico. Approximately 200 gallons per year of waste water is collected in a fiberglass storage tank then transported offsite for disposal. Ground water most likely to be affected in the event of an accidental discharge is at an estimated depth of 200 feet or more with a total dissolved solids concentration of approximately 3,700 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges

632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services Crouch Mesa CDP Compressor Station located in the SE/4 NE/4 of Section 23, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico. Approximately 1000 to 4000 barrels per year of processed water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 200 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-133) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services 30-8 CDP Compressor Station located in the SW/4 SE/4 of Section 32, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico. Approximately 1000 to 4000 barrels per year of processed water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 220 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-134) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal applica-

*Donny Beck*  
My Commission Expires April 2, 2004.

non-spill, leaks, and other accidental discharges to the surface will be managed.  
(GW-133) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services 30-8 CDP Compressor Station located in the SW/4 SE/4 of Section 32, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico. Approximately 1000 to 4000 barrels per year of processed water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 220 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.  
(GW-134) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services Decker Junction Compressor Station located in the NE/4 SE/4 of Section 19, Township 32 North, Range 10 West, NMPM, San Juan County, New Mexico. Approximately 1000 to 4000 barrels per year of processed water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 30 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.  
(GW-155) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services Aztec CDP Compressor Station located in the SW/4 SW/4 of Section 8, Township 32 North, Range 10 West, NMPM, San Juan County, New Mexico. Approximately 1000 to 4000 barrels per year of processed water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 50 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.  
(GW-306) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services Trunk N Compressor Station located in the NW/4 NE/4 of Section 8, Township 32 North, Range 7 West, NMPM, San Juan County, New Mexico. Approximately 1000 to 4000 barrels per year of processed water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 200 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.  
(GW-292) - Williams Field Services, Michael K. Lane, (505) 632-4625, 188 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge renewal application for the Williams Field Services facility located on the boundary of the NE/4 NE/4 of Section 7 and the NW/4 NW/4 of Section 8, Township 31 North, Range 6 West, NMPM, San Juan County, New Mexico. Approximately 2,400 gallons per year of waste water is collected in a fiberglass storage tank then transported offsite for disposal. Ground water most likely to be affected in the event of an accidental discharge is at an estimated depth of approximately 300 feet with a total dissolved solids concentration of approximately 2,000 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 permit application and draft discharge permit may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday through Friday. The draft discharge permit may also be viewed at OCD's web site <http://www.emnrd.state.nm.us/ocd/>. Prior to ruling on any proposed discharge permit 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 a public hearing may be requested by any interested person. Requests for a 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 permit based on information available. If a public hearing is held, the director will approve or disapprove the proposed permit based on information in the permit and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 17th day of June 2003.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

SEAL

LORI WROTENBERY, Director

# AFFIDAVIT OF PUBLICATION

Ad No. 48168

## STATE OF NEW MEXICO County of San Juan:

CONNIE PRUITT, 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, June 30, 2003.

And the cost of the publication is \$175.39

Connie Pruitt

ON 6-30-03 CONNIE PRUITT appeared before me, whom I know personally to be the person who signed the above document.

Shirley Beal  
My Commission Expires April 2, 2004.

## COPY OF PUBLICATION

### 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 permit application(s) has been submitted to the Director of the Oil Conservation Division, 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

(GW-045) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services Kutz Canyon Gas Processing Plant facility located in the SW/4 of Section 12, NE/4 of Section 13, SE/4 of Section 14, Township 28 North, Range 11 West, NMPM, San Juan County, New Mexico. Approximately 1 to 1.5 million gallons per year of process waste water is disposed of in an OCD approved double lined evaporation pond with leak detection. The total dissolved solids (TDS) of the waste water is approximately 1,500 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is shallow perched water with TDS concentrations ranging from 8,000 to 18,000 mg/l. Deeper ground water is at a depth of 200 feet with estimated total dissolved solids concentration ranging from 2,000 to 4,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-129) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services Crouch Mesa CDP Compressor Station located in the SE/4 NE/4 of Section 23, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico. Approximately 1000 to 4000 barrels per year of processed water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 200 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-133) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services 30-8 CDP Compressor Station located in the SW/4 SE/4 of Section 32, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico. Approximately 1000 to 4000 barrels per year of processed water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 220 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-134) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services Decker Junction Compressor Station located in the NE/4 SE/4 of Section 19, Township 32 North, Range 10 West, NMPM, San Juan County, New Mexico. Approximately 1000 to 4000 barrels per year of processed water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 30 feet with estimated total dissolved solids concentration of approximately 2,000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-155) - Williams Field Services, Michael K. Lane, (505) 632-4625, 118 CR 4900, Bloomfield, New Mexico 87413, has submitted a discharge plan renewal application for the Williams Field Services Aztec CDP Compressor Station located





# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**  
Governor  
**Betty Rivera**  
Cabinet Secretary

November 20, 2002

**Lori Wrotenbery**  
Director  
Oil Conservation Division

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. 3929 9246**

Mr. Michael K. Lane  
Williams Field Services  
188 CR 4900  
Bloomfield, New Mexico 87413

**RE: Discharge Plan Renewal Notice for Williams Field Services Facilities**

Dear Mr. Lane:

The OCD is providing Williams Field Services a notice that the following discharge plans expire at various dates during the year 2003.

GW-292 expires 3/4/2003 - Rosa #1 Compressor Station  
GW-293 expires 3/4/2003 - Gallegos Compressor Station  
GW-133 expires 4/15/2003 - SJ 30-8 #1 CDP Compressor Station  
GW-134 expires 4/15/2003 - Decker Junction Compressor Station  
GW-136 expires 4/15/2003 - SJ 29-7 #1 CDP Compressor Station  
GW-45 expires 6/28/2003 - Kutz Gas Plant  
GW-306 expires 7/9/2003 - Trunk N Compressor Station  
GW-149 expires 10/8/2003 - El Cedro Compressor Station  
GW-155 expires 12/13/2003 - Aztec CDP Compressor Station

**WOCC 20.6.2.3106.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]

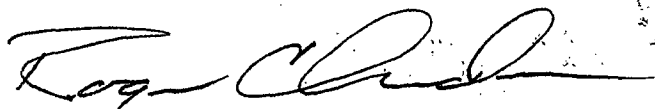
Mr. Michael K. Lane  
November 20, 2002  
Page 2

The discharge plan renewal application for each of the above facilities is subject to WQCC Regulation 20.6.2.3114. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of \$100.00 plus a flat fee based upon the horsepower rating or type of facility for gas processing facilities. The \$100.00 filing fee for each facility 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.** (Copies of the WQCC regulations and discharge plan application form and guidelines are enclosed to aid you in preparing the renewal application. A complete copy of the regulations is also available on OCD's website at [www.emnrd.state.nm.us/oed/](http://www.emnrd.state.nm.us/oed/)).

If any of the above sited facilities no longer has any actual or potential discharges and a discharge plan is not needed, please notify this office. If the Williams Field Services has any questions, please do not hesitate to contact Mr. W. Jack Ford at (505) 476-3489.

Sincerely,



Roger C. Anderson  
Oil Conservation Division

cc: OCD Aztec District Office



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON  
Governor  
Jennifer A. Salisbury  
Cabinet Secretary

Lori Wrotenbery  
Director  
Oil Conservation Division

January 4, 2002

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. 3929 7013**

Mr. Mark J. Bareta  
Williams Field Services  
188 CR 4900  
Bloomfield, New Mexico 87413

**RE: Site Modification Notification**  
**GW-133, San Juan 30-8 CDP Compressor Station**  
**San Juan County, New Mexico**

Dear Mr. Bareta:

The OCD has received the site modification letter, dated December 19, 2001, from Williams Field Services for the San Juan 30-8 CDP Compressor Station GW-133 located in SE/4, Section 32, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico. **The site modifications are approved without modification to the discharge plan with the stipulation that all modifications comply with the discharge plan approved May 22, 1998.**

Please note that Section 3104 of the regulations requires that **"When a plan has been approved, discharges must be consistent with the terms and conditions of the plan."** Pursuant to Section 3107.C Williams Field Services 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. Further, this approval does not relieve Williams Field Services from liability should operations result in contamination to the environment.

Sincerely,

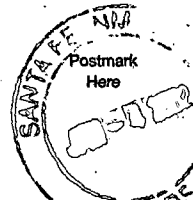
W. Jack Ford, C.P.G.  
Environmental Bureau  
Oil Conservation Division

cc: Mr. Denny Foust - Aztec District Office

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT** *FORD OLD*  
(Domestic Mail Only: No Insurance Coverage Provided)

**OFFICIAL USE**

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$



**Sent To** *M. Barata*  
**Street, Apt. No.,  
or PO Box No.** *WFS*  
**City, State, ZIP+ 4** *FW-133*

PS Form 3800, January 2001

See Reverse for Instructions

7013 7013 3929 4262 0004 1940 7001



Four Corners Area  
Environmental Department  
#188 CR 4900  
Bloomfield, N.M. 87413  
Phone: (505) 632-4634  
Fax: (505) 632-4781

RECEIVED

DEC 31 2001

Environmental Bureau  
Oil Conservation Division

December 19, 2001

Mr. Jack Ford  
State of New Mexico  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Re: San Juan 30-8 CDP (GW-133) Discharge Plan Modification

Dear Mr. Ford:

Please be advised that a 300 bbl storage tank has replaced the two- 400 bbl produced water storage tanks. A 70 bbl tank has replaced the 300 bbl wastewater tank. The tank locations are highlighted on attached facility plot plan. Please make note of this change in the facility's Discharge Plan.


If you have any questions or require additional information, I can be reached at (505) 632-4634.

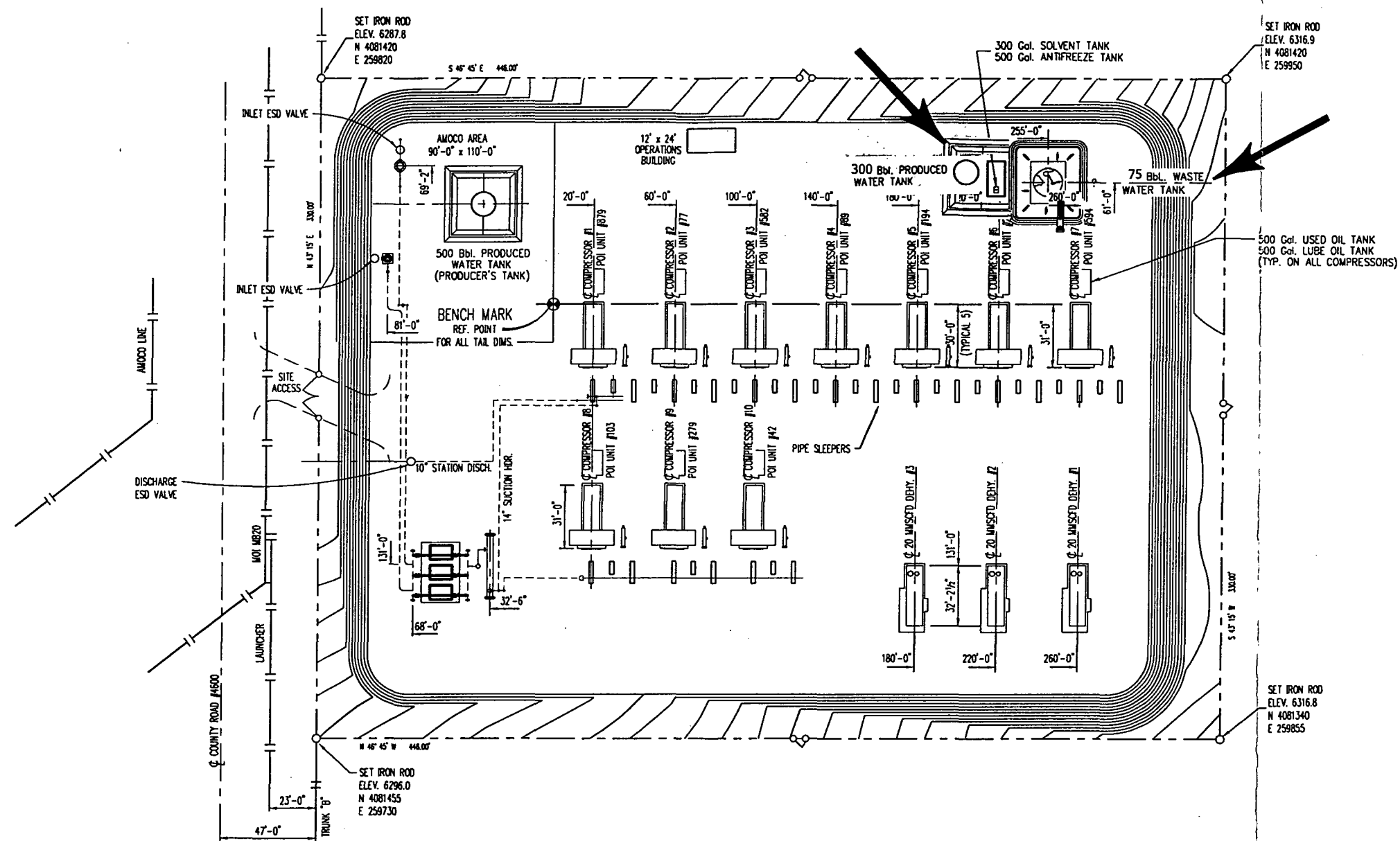
Sincerely;


Mark J. Bareta  
Senior Environmental Specialist

Attachment: 30-8 CDP Plot Plan  
Xc: Denny Foust, Aztec OCD

## ATTACHMENT "A" PRODUCT & WASTE STORAGE LOCATIONS

<b>DRAFTING</b>		<b>BY</b>	<b>DATE</b>	<b>STATE: NEW MEXICO</b>		<b>WILLIAMS FIELD SERVICES</b>	
DRAWN BY		PHIL	8-25-98	<b>COUNTY: SAN JUAN</b>		 ONE OF THE WILLIAMS COMPANIES	
CHECKED BY				30-8 C.D.P. COMPRESSOR STATION SPILL PREVENTION CONTROL & COUNTERMEASURE PLAN PLOT PLAN			
APPROVED BY							
<b>ENGINEER</b>		<b>BY</b>	<b>DATE</b>				
APP.	DESIGNED BY			SCALE: 1" = 40'	DWG NO.	30-8-1-P34	SHEET OF 01
	PRD.J. APPROVED			V.O. NO. 98408			



															STATE: NEW MEXICO		WILLIAMS FIELD SERVICES ONE OF THE WILLIAMS COMPANIES 					
															COUNTY: SAN JUAN							
															DRAFTING		BY		DATE		30-8 C.D.P. COMPRESSOR STATION SPILL PREVENTION CONTROL & COUNTERMEASURE PLAN PLOT PLAN	
															DRAWN BY		PHIL		8-25-98			
															CHECKED BY							
															APPROVED BY							
															ENGINEER		BY		DATE			
															DESIGNED BY						SCALE: 1" = 40'	
															PROJ. APPROVED						DWG NO. 30-8-1-P34	
															V.D. NO. 98408						SHEET 1 OF 01	

Work Copy

SITE NAME	DISCHARGE PLAN #	CURRENT OCD PLAN # of Units/ HP	ACTUAL INSTALLS # of Units/ HP	AQB PERMITTED # of Units/ HP
<b>Category 4 - Current OCD Plan reflects more units than actual install; AQB permit allows additional installs</b>				
CARRACAS CDP	GW-112	2 units/895 HP ea	1 unit/895 HP	3 units/1378 HP ea
LA COSA C.S.	GW-187	8 units/ 1185 hp ea.	1 unit/2980 hp; 1 unit/1408 hp	1 unit/2980 hp; 4 units/1408 hp ea
<b>Category 5 - Current OCD Plan reflects actual installations; AQB permit allows additional installs</b>				
30-5 #1CDP	GW-108	9 units/1088 HP ea.	9 units/1088 HP ea.	12 units/1374 HP ea.
30-8 CDP	GW-133	10 units/1085 HP ea	10 units/1085 HP ea	14 units/1375 HP ea
DECKER JUNCTION CDP	GW-134	10 units/895 HP ea	10 units/895 HP ea	16 units/1388 HP ea
SIMS MESA CDP	GW-68	7 units/895 HP ea OK	7 units/895 HP ea	10 units/1374 HP ea
LATERAL N-30 C.S.	GW-256	2 units/1117 HP ea	2 units/1117 HP ea	6 units/1356 HP ea
<b>Category 6 - Current OCD Plan reflects actual installations; all AQB permitted units are installed</b>				
29-6 #3CDP	GW-198	1 unit/1129 HP ea.	1 unit/1129 HP ea.	1 unit/1129 HP ea,
32-8 #3	GW-116	6 units; /total site HP, 8178	6 units/1373 HP ea	6 units/1373 HP ea
AZTEC CDP	GW-155	12 units/1384 HP ea	12 units/1384 HP ea	12 units/1384 HP ea
HART MTN. BOOSTER C.S.	GW-208	2 units/895 HP ea	2 units/895 HP ea	2 units/1151 HP ea
KERNAGHAN STRADDLE	GW-271	2 units/895 HP ea	2 units/895 HP ea	2 units/1121 HP ea
PRITCHARD STRADDLE C.S.	GW-273	3 units/1270 HP ea	3 units/1270 HP ea	3 units/1279 HP ea
TRUNK C BOOSTER C.S	GW-257	2 units/1268 HP ea	2 units/1268 HP ea	2 units/1268 HP ea
LAGUNA SECA	GW-307	2 units/1375 HP & 1146 hp	2 units/1375 HP& 1146 hp	2 units/1232 HP ea
TRUNK G C.S.	GW-229	1 unit/1373 HP	1 unit/1373 HP	1 unit/1373 HP
NORTH CRANDELL	GW-310	1 Sup 8GTL; 1059 hp	1 Sup 8GTL; 1059 hp	1 Sup 8GTL; 1059 hp
SNOW SHOE STRADDLE	GW-287	1 Caterpilla 500 HP	1 Caterpilla 500 HP	1 Caterpilla 500 HP
5-POINTS	GW-78	1Wauk H24GL; 418 hp	1Wauk H24GL; 418 hp	1Wauk H24GL; 418 hp
GALLEGOS	GW-293	1 Wauk F18; 335 hp	1 Wauk F18; 335 hp	1 Wauk F18; 335 hp
WILD HORSE	GW-79	1 unit/540 HP	1 unit/540 HP	1 unit/538 HP
COYOTE SPRINGS	GW-250	1 unit/1367 HP	1 unit/1367 HP	1 unit/1367 HP
CROUCH MESA	GW-129	1 unit/110 HP	1 unit/110 HP	1unit/677 HP



**NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT**

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

May 25, 1999

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. Z-357-870-100**

Ms. Ingrid A. Deklau  
Williams Field Services  
P.O. Box 58900  
Salt Lake City, Utah 84108

**RE: Site Modifications Notification**  
**GW-133, 30-8 #1 CDP Compressor Station**  
**San Juan County, New Mexico**

Dear Ms. Deklau:

The OCD has received the site modification letter, dated May 11, 1999, from Williams Field Services for the 30-8 No. 1 CDP Compressor Station GW-133 located in SE/4, Section 32, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico. The requested modification is considered a minor modification to the above referenced discharge plan and public notice will not be issued. **The site modifications are approved without modification to the discharge plan with the stipulation that all modifications comply with the discharge plan renewal approved May 22, 1998.**

Please note that Section 3104 of the regulations requires that **"When a plan has been approved, discharges must be consistent with the terms and conditions of the plan."** Pursuant to Section 3107.C Williams Field Services 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. Further, this approval does not relieve Williams Field Services from liability should operations result in contamination to the environment.

Sincerely,

W. Jack Ford, C.P.G.  
Environmental Bureau  
Oil Conservation Division

cc: Mr. Denny Foust - Aztec District Office



8 5 3  
Z 357 870 100

US Postal Service

**Receipt for Certified Mail**

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to		Ingrid
Street & Number		WFS
Post Office, State, & ZIP Code		SLC
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		GW-133

PS Form 3800, April 1995



295 Chipeta Way  
P.O. Box 58900  
Salt Lake City, UT 84108  
801/584-6543  
801/584-7760

May 11, 1999

Mr. Jack Ford  
NM OCD  
2040 South Pacheco  
Santa Fe, New Mexico 87505

Re: Modification of Williams Field Services Discharge Plan for 30-8 (GW – 133)

Dear Mr. Ford:

Pursuant to our conversation today and my March 1999 submittal to you, Williams Field Services (WFS) formally requests modification to the Discharge Plan for the 30-8 compressor site for an increase in site horsepower from 1085 per compressor unit to 1375 per compressor unit. An April 2, 1998 letter to the OCD specifies the installation of up to fourteen compressor units at the site, but does not mention the potential increase in horsepower. No additional waste streams will be generated with this modification. This corresponds to permitting levels allowed by the Air Permit currently held for this site, which allows up to fourteen units operating at 1375 horsepower each.

If you have any questions or require additional information, I can be reached at 801-584-6543.

Sincerely,

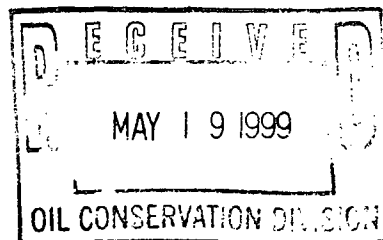
A handwritten signature in black ink, appearing to read "Ingrid Deklau".

Ingrid Deklau  
Environmental Specialist

XC: Denny Foust, Aztec OCD



295 Chipeta Way  
P.O. Box 58900  
Salt Lake City, UT 84108  
801/584-6543  
801/584-7760



May 14, 1999

Mr. Jack Ford  
NM OCD  
2040 South Pacheco  
Santa Fe, New Mexico 87505

Re: WFS Requests for Modification of Various OCD Discharge Plans

Dear Mr. Ford:

Enclosed you will find formal requests for modification of OCD Discharge Plans for sites listed in the following categories on my March 1999 submittal to you:

Category 1 Update OCD Plans for actual compression; AQB permit allows additional installs  
Category 3 Update OCD Plans for actual compression; all AQB permitted units installed  
Category 5 Current OCD Plan reflects actual installs; AQB permit allows additional installs.

The table below lists the sites for which modifications have been requested.

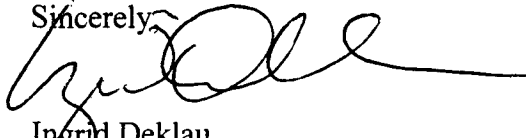
Category 1	Category 3	Category 5
31-6	Rosa #1	30-5
32-7	Trunk M	30-8 ✓
32-8#2	La Jara	Decker Junction
Horse Canyon	Note 1: 29-6#2 belongs in Cat. 6	Sims Mesa
Middle Mesa	Note 2: Pipkin OCD plan reflects more units than actual installs	Lateral N-30
Pump Mesa		
Trunk N		
Trunk L		

For sites that fall under Categories 1 and 3, the OCD Discharge Plans need to be modified to reflect the actual number of units currently installed at the site, and also allow room for additional installations for which WFS currently holds Air Permits.

For sites that fall under Category 5, the OCD Discharge Plan properly reflects the current number of units installed, but the Plan should be modified to allow for the additional units allowed under WFS Air Permits for the site.

If you have any questions or require additional information, I can be reached at 801-584-6543.

Sincerely,



Ingrid Deklau  
Environmental Specialist

Xc: Denny Foust, Aztec OCD



295 Chipeta Way  
P.O. Box 58900  
Salt Lake City, UT 84108  
801/584-6543  
801/584-7760

September 14, 1998

Mr. Jack Ford  
New Mexico Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505

**Re: Underground Line Testing Results at various Williams Field Services Facilities**

Dear Mr. Ford:

Enclosed, please find a copy of the results of the underground line testing that was performed at the Williams Field Services (WFS) facilities listed below.

Trunk C (GW-259)  
Hart Mountain (GW-208)  
Decker Junction (GW-134)  
Aztec (GW-155)  
Cedar Hill (GW-87)  
Horse Canyon (GW-61)  
32-7 (GW-117)

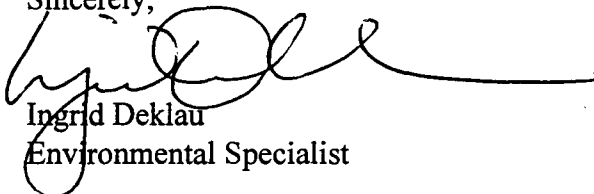
Carracas (GW-112)  
32-8#3 (GW-116)  
Rosa #1 (GW-292)  
Manzanares (GW-62)  
Simms Mesa (GW-68)  
Trunk A (GW-248)  
29-7 (GW-136)

30-5 (GW-108)  
✓ 30-8 (GW-133)  
Trunk B (GW-249)  
32-9 (GW-91)  
Kernaghan (GW-271)  
Trunk N (GW-306)  
32-8#2 (GW-111)

*Also  
Added:* Moore (GW-273)      Pritchard (GW-274)      Kernaghan B-8 (GW-272)

If you have any questions concerning this submittal, please call me at 801-584-6543.

Sincerely,



Ingrid Deklau  
Environmental Specialist

XC: Denny Foust, NM OCD

## FORM 910 1239 (1-94)

1-WORK ORDER NO.

70-304-7500-29

**DISTRIBUTION:** ORIGINAL — Project Engineer, COPY — Compliance, COPY — Originator

ACKNOWLEDGEMENT OF RECEIPT  
OF CHECK/CASH

I hereby acknowledge receipt of check No. [REDACTED] dated 3/2/98  
or cash received on \_\_\_\_\_ in the amount of \$ 50.00  
from WFS

for 30-8 #1 CDP GW 133  
(Facility Name) (OF No.)

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

Submitted to ASD by: RC [Signature] Date: \_\_\_\_\_

Received in ASD by: \_\_\_\_\_ Date: \_\_\_\_\_

Filing Fee XR New Facility \_\_\_\_\_ Renewal \_\_\_\_\_  
Modification \_\_\_\_\_ Other \_\_\_\_\_

Organization Code 521.07 Applicable FY 98

To be deposited in the Water Quality Management Fund.

Full Payment \_\_\_\_\_ or Annual Increment \_\_\_\_\_

**WILLIAMS FIELD SERVICES COMPANY**  
ONE OF THE WILLIAMS COMPANIES 

P. O. Box 58900  
Salt Lake City, Utah 84158-0900

Chase Manhattan Bank Delaware  
1201 Market Street  
Wilmington DE 19801

62-26 5736-09  
311

DATE	CHECK NO.	NET AMOUNT
03/02/98	[REDACTED]	50.00

PAY  
FIFTY AND 00/100-----

TO THE  
ORDER  
OF

NMED-WATER QUALITY MANAGEMENT  
2040 SO. PACHECO  
SANTA FE NM 87505

Mary Jane Battick  
TREASURER

**Williams Field Services Company**

2289 NMED-WATER QUALITY MANAGEMENT

03/02/98

INVOICE NUMBER	DESCRIPTION	INVOICE DATE	AMOUNT	DISCOUNT	NET AMOUNT
GW-133-98		02/06/98	50.00	0.00	50.00
			50.00	0.00	50.00

*GW-133*  
*[Signature]*

PLEASE DETACH BEFORE DEPOSITING



ACKNOWLEDGEMENT OF RECEIPT  
OF CHECK/CASH

I hereby acknowledge receipt of check No. [REDACTED] dated 3/2/98  
or cash received on \_\_\_\_\_ in the amount of \$ 50.00  
from WFS

for 30-8 #1 CDP GW133

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

Submitted to ASD by: RC Anderson Date: 6/18/98

Received in ASD by: \_\_\_\_\_ Date: \_\_\_\_\_

Filing Fee \_\_\_\_\_ New Facility ☒ Renewal ☒

Modification \_\_\_\_\_ Other \_\_\_\_\_

Organization Code 521.07 Applicable FY 98

To be deposited in the Water Quality Management Fund.

Full Payment ☒ or Annual Increment \_\_\_\_\_



Williams Field Services Company  
P. O. Box 58900  
Salt Lake City, Utah 84158-0900

Chase Manhattan Bank Delaware  
1201 Market Street  
Wilmington DE 19801

62-26 5736-09  
311

DATE	CHECK NO.	NET AMOUNT
06/08/98	[REDACTED]	690.00

PAY  
SIX HUNDRED NINETY AND 00/100-----

TO THE  
ORDER  
OF

NMED-WATER QUALITY MANAGEMENT  
2040 SO. PACHECO  
SANTA FE NM 87505

Mary Jane Pittick  
TREASURER

*Williams Field Services Company*

2289 NMED-WATER QUALITY MANAGEMENT

06/08/98

INVOICE NUMBER	DESCRIPTION	INVOICE DATE	AMOUNT	DISCOUNT	NET AMOUNT
GW-133-R	GW-133 RENEWAL	05/22/98	690.00	0.00	690.00
			<del>GW-133</del> <del>87</del>		
			690.00	0.00	690.00

PLEASE DETACH BEFORE DEPOSITING

**Williams Field Services Company**

2289 NMED-WATER QUALITY MANAGEMENT

06/08/98

INVOICE NUMBER	DESCRIPTION	INVOICE DATE	AMOUNT	DISCOUNT	NET AMOUNT
GW-133-R	GW-133 RENEWAL	05/22/98	690.00	0.00	690.00
			690.00	0.00	690.00

*GW-133*  
*87*

PLEASE DETACH BEFORE DEPOSITING



Williams Field Services Company  
P. O. Box 58900  
Salt Lake City, Utah 84158-0900

Chase Manhattan Bank Delaware  
1201 Market Street  
Wilmington DE 19801

62-26 5736-0  
311

DATE	CHECK NO.	NET AMOUNT
06/08/98		690.00

PAY  
SIX HUNDRED NINETY AND 00/100-----

TO THE  
ORDER  
OF

NMED-WATER QUALITY MANAGEMENT  
2040 SO. PACHECO  
SANTA FE NM 87505

*Mary Jane Pittick*  
TREASURER



*Flat Fee for  
Renewal  
Paid in full*  
*87*

P. O. Box 1980  
Hobbs, NM 88241-1980  
District II - (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV - (505) 827-7131

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

Revised 12/1  
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: Natural Gas Compressor Station - 30-8#1 CDP (6W-133)
2. Operator: Williams Field Services  
Address: 295 Chipeta Way Salt Lake City UT 84108  
Contact Person: Ingrid Deklan Phone: 801-266-1222
3. Location: 14 SE 14 Section 32 Township 31 N Range 8W  
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: Ingrid Deklan Title: Environmental Specialist  
Signature: [Signature] Date: 3/27/98



295 Chipeta Way  
P.O. Box 58900  
Salt Lake City, UT 84108  
801/584-6543  
801/584-7760

April 2, 1998

Mr. Jack Ford  
New Mexico Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505

**Re: OCD Discharge Plan Renewal: 30-8 No.1 CDP (GW-133)**

Dear Mr. Ford:

Enclosed, please find Check Number 80588 for \$50 to cover the application fee for the Discharge Plan Renewal of Williams Field Services (WFS) 30-8 No. 1 CDP (GW-133). Since the original discharge plan was approved, WFS has made the modifications listed below to the facility.

- **Section 1.1.** A new contact person has been assigned to this site: Ingrid Deklau, Environmental Specialist, (801) 584-6543. No change to the address listed in the plan.
- **Section 1.3.** WFS received OCD approval for a modification to the Discharge Plan in January 1996 that allowed for the installation and operation of seven additional Waukesha 7042 GL compressor engines rated at 1057-horse power each. To date, four of these units have not been installed, but may be placed in service at a later date. Therefore, there are currently ten 1085 horsepower (site rated) compressor engines operating at the site. There are also three dehydrators.
- **Section 2.2.** Table 1 of the February 1993 Discharge Plan for 30-8 states that high TDS water from the gas inlet separator is collected separately in a blowdown tank. The gas inlet separator and associated equipment located in the northeastern-most corner of the facility belong to the producer.
- **Section 2.3.** Disposal of Waste Fluids, states that used motor oil is collected from each unit in a common above ground tank. The facility has been redesigned so that there is a 500-gallon used oil tank associated with each engine. Closed piping from each unit directs used oil to the tank associated with that particular unit.
- **Section 2.2, Table 1.** Table 1, attached below, has been redesigned to illustrate source, quantity, and quality of effluent and waste solids generated at 30-8. Table 2 illustrates the transfer, storage, and disposal of process fluids, effluents, and waste solids.

The landowner at this location is:

Commissioner of Public Lands  
State of New Mexico  
PO Box 1148  
Santa Fe, New Mexico  
505-827-5760

If you have any questions, I can be reached at (801) 584-6543. Your assistance in handling these matters is appreciated.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ingrid A. Deklau', with a long horizontal flourish extending to the right.

Ingrid A. Deklau  
Environmental Specialist

enclosures

xc: Denny Foust, Aztec OCD Office

**TABLE 1**  
**SOURCE, QUANTITY, AND QUALITY OF EFFLUENT AND WASTE SOLIDS**  
**30-8 No. 1 CDP**

PROCESS FLUID/WASTE	SOURCE	QUANTITY (estimate)	QUALITY
Used Motor Oil	Compressor Engines	2500 gal/yr	Used motor oil w/no additives
Produced Water	Inlet separator Scrubbers	4300 bbl/yr	Produced water w/ traces of used motor oil
Wash-down Water	Compressor Skid	5 bbl/mo	Soap and tap water w/traces of used motor oil and glycol
Spill Residue (i.e., gravel, soil)	Incidental spills	Incident dependent	Incident dependent
Used Rags/ Absorbents	Incidental spill/leak equipment wipe-down	Incident dependent	Incident dependent
Used Glycol Filters	Dehydrators	36/yr	No additives
Used Oil Filters	Compressor Engines	280/ yr	No additives

**TABLE 2**  
**TRANSFER, STORAGE, AND DISPOSAL OF PROCESS FLUIDS, EFFLUENTS, AND WASTE SOLIDS**  
**30-8 No. 1 CDP**

PROCESS FLUID/WASTE	SOURCE	STORAGE	CONTAINER CAPACITY (estimate)	CONTAINMENT/ SPILL PREVENTION	RCRA STATUS	DESCRIPTION OF FINAL DISPOSITION
Produced Water (PW)	High pressure dumps	Above ground tank	400 bbl (up to two tanks on site)	In process of construction	Exempt	Water may be transported to NMOCD-approved facility; or evaporation at WFS facility may be considered.
Wash-down Water	Dehy and compressor skid, steam line from dehy, and water phase from PW tank	Above ground tank	300 bbl	Earthen berm	Non-exempt	Water may be transported to NMOCD-approved facility; or evaporation at WFS facility may be considered.
Used Oil Filters	Compressor engines	N/A	N/A	N/A	Non-exempt	Drained on site and/or hauled to another WFS location for consolidation. Ultimately disposed at San Juan County Regional Landfill. A Waste Acceptance Profile is on file at the landfill.
Used Glycol Filters	Dehydrators	N/A	N/A	N/A	Exempt	Drained on site and/or hauled to another WFS location for consolidation. Ultimately disposed at San Juan County Regional Landfill. A Waste Acceptance Profile is on file at the landfill.
Used Rags/ Absorbents	Incidental spills or leaks	N/A	N/A	N/A	Non-exempt	Drained on site and/or hauled to another WFS location for consolidation. Ultimately disposed at San Juan County Regional Landfill. A Waste Acceptance Profile is on file at the landfill.
Spill Residue (i.e., soil, gravel)	Incidental spills	N/A	N/A	In situ treatment, land-farm, or alternate method	Incident dependent	Per Section VI, Remediation, in 8/13/93 NMOCD Guidelines for Remediation of Leaks, Spills, and Releases
Antifreeze	For use in engines	Above ground tank	500 gallons	Concrete containment	N/A	N/A
Glycol	For use in dehydrators	Day tank associated with each unit	100 gallons each	Dehydrator skid	N/A	N/A
Solvent	Parts washing	Above ground tank	300 gallons	Concrete containment	N/A	N/A



**Williams Field Services Company**

2289 NMED-WATER QUALITY MANAGEMENT

03/02/98

INVOICE NUMBER	DESCRIPTION	INVOICE DATE	AMOUNT	DISCOUNT	NET AMOUNT
GW-133-98		02/06/98	50.00	0.00	50.00
			50.00	0.00	50.00

PLEASE DETACH BEFORE DEPOSITING

**WILLIAMS FIELD SERVICES COMPANY**  
ONE OF THE WILLIAMS COMPANIES

P. O. Box 58900  
Salt Lake City, Utah 84158-0900

Chase Manhattan Bank Delaware  
1201 Market Street  
Wilmington DE 19801

62-26 5736-09  
311

DATE	CHECK NO.	NET AMOUNT
03/02/98		50.00

PAY  
FIFTY AND 00/100-----

TO THE  
ORDER  
OF

NMED-WATER QUALITY MANAGEMENT  
2040 SO. PACHECO  
SANTA FE NM 87505

*Mary Jane Pittick*  
TREASURER

# AFFIDAVIT OF PUBLICATION

No. 39398

STATE OF NEW MEXICO

County of San Juan:

DENISE H. HENSON-WOODALL, 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 on the following day(s)

Tuesday, April 21, 1998

and the cost of publication is: \$66.11

*Denise H. Henson-Woodall*

On 4-21-98 DENISE H. HENSON WOODALL appeared before me, whom I know personally to be the person who signed the above document.

*Roger C. Anderson*  
My Commission Expires November 1, 2000

## COPY OF PUBLICATION

### Legals



#### 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(s) have been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(GW-133) - Williams Field Services, Ingrid A. Deklau, (801) 584-6543, P.O. Box 58900, Salt Lake City, Utah 84158-0900, has submitted a discharge plan renewal application for the Williams Field Services 30-8 No. 1 C.D.P. Compressor Station located in the SE/4 of Section 32, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico. Approximately 10 gallons per day of washdown water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 220 feet with estimated total dissolved solids concentration of approximately 2,000 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(s) 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 application(s), 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 and a public hearing may be requested by any interested person. Requests for a 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(s) based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan(s) based on the information in the discharge plan application(s) and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 14th day of April, 1998.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

SEAL

/s/Roger C. Anderson  
for LORI WROTENBERY, Director

Legal No. 39398, published in The Daily Times, Farmington, New Mexico, on Tuesday, April 21,

# The Santa Fe New Mexican

Since 1849 We Read You

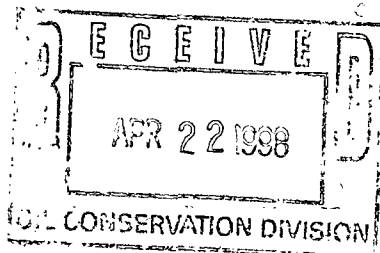
NM OCD

AD NUMBER: 21132

ACCOUNT: 56689

LEGAL NO: 63360

P.O. #: 98-199-000257



174 LINES ONCE at \$ 69.60  
Affidavits: 5.25  
Tax: 4.68  
Total: \$ 79.53

## NOTICE OF PUBLICATION

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 14th day of April 1998.

STATE OF NEW MEXICO  
OIL CONSERVATION  
DIVISION  
LORI WROTENBERY,  
Director

Legal #63360  
Pub. April 20, 1998

## AFFIDAVIT OF PUBLICATION

### STATE OF NEW MEXICO COUNTY OF SANTA FE

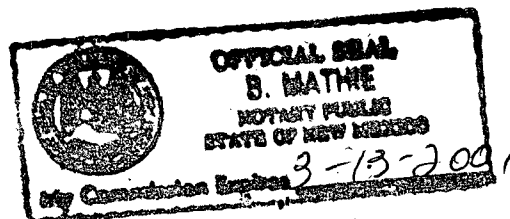
I, BETSY PERNER being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily news paper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication # 63360 a copy of which is hereto attached was published in said newspaper once each WEEK for ONE consecutive week(s) and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 20 day of APRIL 1998 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

/S/

Betsy Perner  
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 20 day of APRIL A.D., 1998

Notary B. Mathe  
Commission Expires 3-13-2001





NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

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

April 13, 1998

*Farmington Daily Times*  
**Attention: Advertising Manager**  
Post Office Box 450  
Farmington, New Mexico 87401

**Re: Notice of Publication**

P 269 262 721

US Postal Service  
**Receipt for Certified Mail**  
No Insurance Coverage Provided.  
Do not use for International Mail (See reverse)

Sent to	
Street Number	
City	<i>Farmington Daily Times</i>
Post Office Box #	<i>450</i>
State	<i>87401</i>
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

*Dear Sir/Madam:*

*Please publish the attached notice one time immediately on receipt of this request. Please proofread carefully, as any error in a land description or in a key word or phrase can invalidate the entire notice.*

*Immediately upon completion of publication, please send the following to this office:*

- 1. Publisher's affidavit in duplicate.*
- 2. Statement of cost (also in duplicate).*
- 3. Certified invoices for prompt payment.*

*We should have these immediately after publication in order that the legal notice will be available for the hearing which it advertises, and also so that there will be no delay in your receiving payment.*

*Please publish the notice no later than* April 20, 1998

*Sincerely,*

*Sally Martinez*  
Sally Martinez  
Administrative Secretary

*Attachment*



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

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

April 13, 1998

*The New Mexican*  
**Attention: Betsy Perner**  
202 East Marcy  
Santa Fe, New Mexico 87501

**Re: Notice of Publication**  
**PO # 98-199-00257**

*Dear Ms. Perner:*

*Please publish the attached notice one time immediately on receipt of this request. Please proofread carefully, as any error in a land description or in a key word or phrase can invalidate the entire notice.*

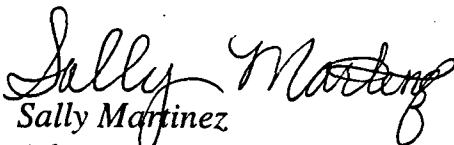
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*Please publish the notice no later than Monday, April 18, 1998.*

*Sincerely,*

  
Sally Martinez  
Administrative Secretary

*Attachment*

**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 14th day of April 1998.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



for LORI WROTENBERY, Director

S E A L

## NOTICE OF PUBLICATION

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(GW-133) - Williams Field Services, Ingrid A. Deklau, (801) 584-6543, P. O. Box 58900, Salt Lake City, Utah 84158-0900, has submitted a discharge plan renewal application for the Williams Field Services 30-8 No.1 C.D.P. Compressor Station located in the SE/4 of Section 32, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico. Approximately 10 gallons per day of washdown water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. The total dissolved solids (TDS) of the waste water is approximately 1,100 milligrams per liter (mg/l). Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of 220 feet with estimated total dissolved solids concentration of approximately 2,000 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(s) 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 application(s), 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 and a public hearing may be requested by any interested person. Requests for a 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(s) based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan(s) based on the information in the discharge plan application(s) and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 14th day of April 1998.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



LORI WROTENBERY, Director

S E A L



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

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

May 22, 1998

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. Z-357-869-956**

Ms. Ingrid Deklau  
Williams Field Services  
295 Chipeta Way  
P.O. Box 58900  
Salt Lake City, Utah 84158-0900

**RE: Discharge Plan GW-133 Renewal**  
**San Juan 30-8 No. 1 C.D.P. Compressor Station**  
**San Juan County, New Mexico**

Dear Ms. Deklau:

The renewal of the ground water discharge plan GW-133 for the San Juan 30-8 No. 1 C.D.P. Compressor Station located in the SE/4 of Section 32, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico, is hereby approved under the conditions contained in the enclosed attachment. The discharge plan consists of the original discharge plan as approved April 15, 1993, the major modification to the original discharge plan approved February 19, 1996, and the discharge plan renewal application dated March 27, 1998. 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 discharge plan was submitted pursuant to Section 3106 of the New Mexico Water Quality Control Commission (WQCC) Regulations. It is approved pursuant to Section 3109.A. Please note Sections 3109.E and 3109.F., which provide for possible future amendments or modifications of the plan. Please be advised that approval of this plan does not relieve Williams Field Services 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.



Ms. Ingrid Deklau

May 22, 1998

Page 2

Please note that Section 3104 of the regulations provides: "When a facility has been approved, discharges must be consistent with the terms and conditions of the plan." Pursuant to Section 3107.C., Williams Field Services 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.

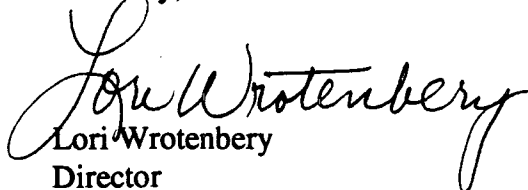
Pursuant to Section 3109.G.4., this plan is for a period of five years. This approval will expire on April 15, 2003, and Williams Field Services should submit an application in ample time before this date. Note that under Section 3106.F. of the regulations, if a discharger submits a discharge plan renewal 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 renewal.

The discharge plan renewal application for the Williams Field Services San Juan 30-8 No. 1 C.D.P. Compressor Station 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 plus a flat fee of \$690.00 for compressor stations with greater than 3,000 horsepower. The flat fee may be paid in a single payment due on the date of the discharge plan approval or in five equal installments over the expected duration of the discharge plan. Installment payments shall be remitted yearly, with the first installment due on the date of the discharge plan approval. The OCD has received the filing fee.

Please make all checks payable to NMED-Water Quality Management and addressed to the OCD Santa Fe Office.

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,

  
Lori Wrotenberg  
Director

LW/wjf  
Attachment

xc: OCD Aztec Office

Z 357 869 956

US Postal Service	
Receipt for Certified Mail	
No Insurance Coverage Provided.	
Do not use for International Mail (See reverse)	
Sent to	Ingrid Deklau
Street & Number	1415
Post Office, State, & ZIP Code	56201
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	GW-133

PS Form 3800, April 1995

ATTACHMENT TO THE DISCHARGE PLAN GW-133 RENEWAL  
WILLIAMS FIELD SERVICES  
SAN JUAN 30-8 No. 1 C.D.P.COMPRESSOR STATION  
DISCHARGE PLAN APPROVAL CONDITIONS  
(May 22, 1998)

1. Payment of Discharge Plan Renewal Fees: The \$50.00 filing fee has been received. A flat fee of \$690.00 is required for renewal of discharge plans for compressor stations with greater than 3,000 horsepower. 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. Williams Commitments: Williams Field Services will abide by all commitments submitted in the discharge plan application dated March 27, 1998.
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 characterization per 40 CFR Part 261.
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 at present and then every 5 years thereafter, or prior to discharge plan renewal. 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: 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. All 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. Closure of Class V wells must be in accordance with a plan approved by the Division's Santa Fe Office. The OCD allows industry to submit closure plans which are protective of human health, the environment and groundwater as defined by the WQCC, and are cost effective. 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. Closure: The OCD will be notified when operations of the facility are discontinued for a period in excess of six months. Prior to closure of the 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.

16. Certification: Williams Field Services, by the officer whose signature appears below, accepts this permit and agrees to comply with all terms and conditions contained herein. Williams Field Services 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:

WILLIAMS FIELD SERVICES

by \_\_\_\_\_  
Title



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

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

February 6, 1998

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. Z-357-869-926**

Ms. Ingrid A. Deklau  
Senior Environmental Specialist  
Williams Field Services Company  
P.O. Box 58900  
Salt Lake City, Utah 84108

**RE: Discharge Plan GW-133 Renewal  
San Juan 30-8 No. 1 C.D.P.  
San Juan County, New Mexico**

Dear Ms. Deklau:

On April 15, 1993, the groundwater discharge plan, GW-133, for the Williams Field Services San Juan 30-8 No. 1 C.D.P. Facility located in the SE/4 of Section 32, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico, was approved by the Director of the New Mexico Oil Conservation Division (OCD). This discharge plan was required and submitted pursuant to Water Quality Control Commission (WQCC) regulations and was approved for a period of five years. **The approval will expire on April 15, 1998.**

If the facility continues to have potential or actual effluent or leachate discharges and wishes to continue operation, the discharge plan must be renewed. **Pursuant to Section 3106.F., if an application for renewal is submitted at least 120 days before the discharge plan expires (on or before December 15, 1997), then the existing approved discharge plan for the same activity shall not expire until the application for renewal has been approved or disapproved.** The OCD is reviewing discharge plan submittals and renewals carefully and the review time can extend for several weeks to months. **To date the OCD has not received an application for renewal of GW-133.** Please indicate whether Williams Field Services has made or intends to make, any changes in the system, and if so, please include these modifications in the application for renewal.

The discharge plan renewal application for the **San Juan 30-8 No. 1 C.D.P. Facility** is subject to WQCC Regulation 3114. Every billable facility submitting a discharge plan renewal will be

Ms. Ingrid A. Deklau  
February 6, 1998  
Page 2

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 compressor station 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.** (Copies of the WQCC regulations and discharge plan application form and guidelines are enclosed to aid you in preparing the renewal application. A complete copy of the regulations is also available on OCD's website at [www.emnrd.state.nm.us/oecd/](http://www.emnrd.state.nm.us/oecd/)).

If the San Juan 30-8 No.1 C.D.P. Facility no longer has any actual or potential discharges and a discharge plan is not needed, please notify this office. If the Williams Field Services Company has any questions, please do not hesitate to contact me at (505) 827-7152.

Sincerely,



Roger C. Anderson  
Chief, Environmental Bureau  
Oil Conservation Division

RCA/wjf

enclosed: Discharge Plan Application form

cc: OCD Aztec District Office

Z 357 869 926	
US Postal Service Receipt for Certified Mail No Insurance Coverage Provided. Do not use for International Mail (See reverse)	
Sent to	Ingrid Deklau
Street & Number	WFS
Post Office, State, & ZIP Code	Salt Lake City, UT
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	FW-133

PS Form 3800, April 1995



**FIELD SERVICES**

October 16, 1997

Mr. Mark Ashley  
New Mexico Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505

**Re: Installation of Temporary Tanks: GW-122, GW-155, GW-134, GW-133, GW-182**

Dear Mr. Ashley:

We are currently in the process of evaluating disposal options for a liquid waste stream consisting of condensate from the glycol dehydrator and compressor washdown water. At some of our facilities, these two liquid waste streams are piped to a single tank. San Juan 29-6 #4 (GW-122) has been chosen as a consolidation point for this waste stream while we conduct our evaluation. Therefore, five 400-barrel frac tanks have been temporarily installed at the site for storage of the liquid waste stream from facilities. Additionally, there are two evaporators temporarily operating at the site. The evaporators are currently evaporating a total of approximately 150 bbl per day of the waste water. Berms have been installed around all of the aforementioned equipment.

Another part of our evaluation includes consideration of whether to permanently segregate the waste streams. To prevent further generation of this mixed waste stream during our analysis, we anticipate installing temporary tanks at the following facilities:

- One temporary 400-barrel tank at Aztec CDP Compressor Station (GW 155)
- One temporary 400-barrel tank at Decker Junction Compressor Station (GW 134)
- One temporary 400-barrel tank at San Juan 30-8 #1 Compressor Station (GW 133)
- One temporary 400-barrel tank at Navajo CDP Compressor Station (GW 182)

Condensate would be routed to the temporary tanks for storage; washdown water would continue to be stored in the existing tank at the facility. Berms will be installed at each of the tanks that will be in place for more than 30 days. We will keep you informed on the progress of this evaluation, and on any permanent changes made to the aforementioned sites.

If you have any questions or require additional information, please do not hesitate to contact me at (801) 584-6543.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ingrid A. Deklau', written over a horizontal line.

Ingrid A. Deklau  
Senior Environmental Specialist

I hereby acknowledge receipt of check No. [REDACTED] dated 3/6/96,  
or cash received on 3/22/96 in the amount of \$ 50.00  
from Williams Lill James  
for JS 30-8 #1CDP GW-133

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_ (DP No.)  
Submitted to ASD by: ET Ruden Date: 3/25/96  
Received in ASD by: Angela Herrera Date: 3-29-96

Filing Fee X New Facility \_\_\_\_\_ Renewal \_\_\_\_\_  
Modification \_\_\_\_\_ Other \_\_\_\_\_  
(continued)

Organization Code 52107 Applicable FY 96

**To be deposited in the Water Quality Management Fund.**

Full Payment            or Annual Increment           

Corestates Bank of Delaware, N.A.  
In cooperation with 1st Interstate Bank  
62-22  
311

DATE	CHECK NO.	NET AMOUNT
03/06/96		50.00

**John Campbell**  
VICE PRESIDENT  
AUTHORIZED REPRESENTATIVE



**WILLIAMS FIELD SERVICES**  
**30-8 CDP COMPRESSOR STATION DISCHARGE PLAN REVISION**  
**January 1996**

**I. BACKGROUND INFORMATION**

In February, 1993 Williams Field Services (WFS) submitted a Discharge Plan for 30-8 CDP Compressor Station to the New Mexico Oil Conservation Division (OCD) for review and approval. The 30-8 CDP is located in the SE/4 of Section 32, Township 31 North, Range 8 West, San Juan County, New Mexico. The plan addresses how spills, leaks, and other accidental discharges to the surface will be managed. The plan (GW-133) was subsequently approved by OCD. According to the terms of the Discharge Plan, WFS is required to notify the Director of the OCD of any facility expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume. This revision addresses proposed modifications at 30-8 CDP.

**II PROPOSED MODIFICATIONS**

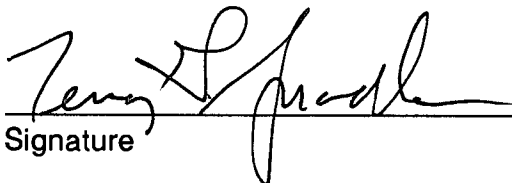
Williams Field Services proposes to install seven (7) additional Waukesha 7042 GL natural gas reciprocating engines to the existing seven (7) engines (for a total of fourteen (14) engines) at 1057 horsepower each, and one (1) additional 20 MMscf/day glycol dehydrator to the existing two (2) 20 MMscf/day glycol dehydrators (for a total of three (3) dehydrators). The additional units are skid-mounted and self-contained. This facility will continue to be classified as a field compressor station; consequently, there will be no formal office or other support facilities not essential to field compression. No new liquid wastes are expected to be generated by the proposed modifications. The modifications will result in an increase in the volume of used oil, glycol, and wastewater already generated at the facility.

**III SUMMARY**

No new liquid wastes will be generated by the proposed modification at this facility. All liquid wastes will be handled in accordance with the approved OCD Discharge Plan (GW-133) and this revision.

**IV AFFIRMATION**

I hereby certify that I am familiar with the information contained in and submitted with this revision and that such information is true, accurate, and complete to the best of my knowledge and belief.

  
\_\_\_\_\_  
Signature

Terry G. Spradlin

1-12-96  
\_\_\_\_\_  
Date

Manager, Environment, Health & Safety

**WILLIAMS FIELD SERVICES**

ONE OF THE WILLIAMS COMPANIES



OIL CONSERVATION DIVISION

RECEIVED

P.O. Box 58900  
Salt Lake City, UT 84158-0900  
(801) 584-7033  
FAX: (801) 584-6483

1996 JAN 16 AM 8 52

January 12, 1996

Mr. Chris Eustice  
New Mexico Oil Conservation Division  
2040 South Pacheco  
Santa Fe, New Mexico 87504

Re: Discharge Plan Revision for 30-8 CDP - San Juan County

Dear Mr. Eustice:

Enclosed please find two copies of the Discharge Plan Revision for Williams Field Services' 30-8 CDP Compressor Station located in San Juan County, New Mexico.

If you have any questions or require additional information, please do not hesitate to contact me at (801) 584-6543.

Sincerely,

Leigh E. Gooding  
Sr. Environmental Specialist

enclosure

cc: Denny Foust, OCD District III Office (letter and enclosure)

ACKNOWLEDGEMENT OF RECEIPT  
OF CHECK/CASH

I hereby acknowledge receipt of check No. [REDACTED] dated 5/4/93,  
or cash received on 5/21/93 in the amount of \$ 3450.00

from Williams Field Services Company  
San Juan 30-8 No. 1 C.D.P. Compressor Station GW-133 (\$1380)  
for Decker Junction C.D.P. Compressor Station GW-134 (\$1380)  
San Juan (Facility Name) 29-7 No. 1 C.D.P. Compressor Station (DP No.) GW-136 (\$690)  
Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

Submitted to ASD by: Kathy Brown Date: 5/21/93

Received in ASD by: A. Allie Date: 5/21/93

Filing Fee \_\_\_\_\_ New Facility X Renewal \_\_\_\_\_

Modification \_\_\_\_\_ Other \_\_\_\_\_  
(specify)

Organization Code 521.07 Applicable FY 93

To be deposited in the Water Quality Management Fund.

Full Payment X or Annual Increment \_\_\_\_\_

**WILLIAMS FIELD SERVICES COMPANY**  
ONE OF THE WILLIAMS COMPANIES

P. O. BOX 58900  
SALT LAKE CITY, UTAH 84158-0900

CORESTATES BANK OF DELAWARE, N.A.  
In cooperation with 1st Interstate Bank

62-22  
311

DATE	CHECK NO.	NET AMOUNT
05/04/93	[REDACTED]	*****3,450.00

PAY

THREE THOUSAND FOUR HUNDRED FIFTY AND 00/100 DOLLARS

TO THE  
ORDER  
OF

NEW MEXICO OIL CONSERVATN DIV@@  
310 OIL SANTA FE TRAIL  
STATE LAND OFFICE BUILDING  
SANTA FE, NM

87504

WILLIAMS FIELD SERVICES COMPANY

Ronald E. Houston  
ASSISTANT TREASURER  
AUTHORIZED REPRESENTATIVE

**WILLIAMS FIELD SERVICES COMPANY**

ONE OF THE WILLIAMS COMPANIES

P.O. BOX 58900  
SALT LAKE CITY, UTAH 84158-0900  
801-583-8800  
FAX: (801) 584-6483

OIL CONSERVATION DIVISION  
RECEIVED  
MAY 17 10 34 AM '93

May 12, 1993

Mr. Roger Anderson  
New Mexico Oil Conservation Division  
State Land Office Building  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87504

Re: Discharge Plan Fees for Three Discharge Plans - San Juan County

Dear Mr. Anderson:

Attached is a check for \$3,450.00, issued to NMED-Water Quality Management Fund, to cover the discharge plan assessments fees for the following discharge plans:

1. San Juan 30-8 No.1 C.D.P. - GW-133
2. Decker Junction C.D.P. - GW-134
3. San Juan 29-7 No.1 C.D.P. - GW-136

I appreciate OCD's efficient system for processing and approving discharge plans. Please call me at (801) 584-6716 if you have any questions or need additional information.

Best Regards,

*Carol Revelt*

Carol Revelt  
Environmental Specialist

Attachment



JIM BACA  
COMMISSIONER

State of New Mexico

OFFICE OF THE

Commissioner of Public Lands

Santa Fe

OIL CONSERVATION DIVISION  
RECEIVED

'93 APR 7 AM 8 53

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

March 31, 1993

William J. Lemay, Director  
Oil Conservation Division  
State Land Office Building  
Santa Fe, New Mexico 87504-2088

Re: Discharge Plans: GW-140 - Texas-New Mexico Pipeline Company and GW-133 -  
Williams Field Service

This is a letter to advise that surface and mineral ownership of the above two plan sites are held by the State Land Office. The Commissioner of Public Lands requests notification upon approval of these two plans, and requests to receive any relative correspondence involving these two plans for inclusion in the lease files.

Thank you for the opportunity to review and comment.

Sincerely,

Dennis Garcia  
Director, State Land Office Field Division

AFFIDAVIT OF PUBLICATION

No. 31370

STATE OF NEW MEXICO,  
County of San Juan:

KIT OWENS being duly sworn, says: "That he is the ADVERTISING DIRECTOR of The Farmington Daily Times, a daily newspaper of general circulation published in English in Farmington, said county and state, and that the hereto attached LEGAL NOTICE

was published in a regular and entire issue of the said Farmington 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 ONE consecutive (days) (//////) on the same day as follows:

First Publication WEDNESDAY, MARCH 10, 1993

Second Publication \_\_\_\_\_

Third Publication \_\_\_\_\_

Fourth Publication \_\_\_\_\_

and the cost of publication was \$ 72.76

Subscribed and sworn to before me this 7th day of MARCH APRIL, 1993.

Connie Andrae  
Notary Public, San Juan County,  
New Mexico

My Comm expires: July 3, 1993

COPY OF PUBLICATI

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 applications have been submitted to the Director of the Oil Conservation Division, State Land Office Building, P.O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505) 827-5800:

(GW-132) - Williams Field Service, Robert Peacock, Project Manager, P.O. Box 58900, M.S. 10368, Salt Lake City, Utah 84158-0900, has submitted a discharge plan application for their San Juan 30-8 No. 1 C.D.P. Compressor Station located in the SE/4, Section 32, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico. Approximately 10 gallons per day of washdown water with a total dissolved solids concentration of approximately 1100 mg/l is stored in an above ground steel 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 approximately 220 feet with a total dissolved solids concentration of approximately 2000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-134) - Williams Field Service, Robert Peacock, Project Manager, P.O. Box 58900, M.S. 10368, Salt Lake City, Utah 84158-0900, has submitted a discharge application for their Decker Junction C.D.P. Compressor Station located in the SE/4 Section 19, Township 32 North, Range 10 West, NMPM, San Juan County, New Mexico. Approximately 5 gallons per day of washdown water with total dissolved solids concentration of 1100 mg/l is stored in above ground steel tanks prior to transport to an OCD approved off-site disposal facility. Groundwater most likely to be affected in the event of an accidental discharge is at a depth of approximately 30 feet with a total dissolved solids concentration of approximately 2000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-136) - Williams Field Service, Robert Peacock, Project Manager, P.O. Box 58900, M.S. 10368, Salt Lake City, Utah 84158-0900, has submitted a discharge plan application for their San Juan 29-7 No.1 C.D.P. Compressor Station located in the SE/4 Section 15, Township 29 North, Range 7 West, NMPM, Rio Arriba County, New Mexico. Approximately 10 gallons per day of washdown water with total dissolved solids concentration of 1100 mg/l is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility. Groundwater most likely to be affected in the event of an accidental discharge is at a depth approximately 165 feet with a total dissolved solids concentration of approximately 2000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-98) - Weskem-Hall, Inc., Thomas Newman, District Manager, P.O. Box 2175, Farmington, New Mexico 87499, has submitted a discharge plan application for their Farmington Service Facility located in the SW/4 NW/4, Section 19, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico. Approximately 275,000 pounds and 2000 gallons of oilfield supply chemicals are stored at the facility. There is no waste or ashdown water used at the facility. Groundwater most likely to be affected in the event of an accidental discharge is at a depth of approximately 30 feet with a total dissolved solids concentration ranging from 630 mg/l to 1470 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 5:00 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 1st day of March, 1993.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



JIM BACA  
COMMISSIONER

State of New Mexico

OFFICE OF THE

Commissioner of Public Lands

Santa Fe

OIL CONSERVATION DIVISION  
RECEIVED

'93 APR 7 AM 8 53

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

March 31, 1993

William J. Lemay, Director  
Oil Conservation Division  
State Land Office Building  
Santa Fe, New Mexico 87504-2088

Re: Discharge Plans: GW-140 - Texas-New Mexico Pipeline Company and GW-133 -  
Williams Field Service

This is a letter to advise that surface and mineral ownership of the above two plan sites are held by the State Land Office. The Commissioner of Public Lands requests notification upon approval of these two plans, and requests to receive any relative correspondence involving these two plans for inclusion in the lease files.

Thank you for the opportunity to review and comment.

Sincerely,

Dennis Garcia  
Director, State Land Office Field Division



**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
FISH AND WILDLIFE SERVICE  
Ecological Services**

Suite D, 3530 Pan American Highway, NE  
Albuquerque, New Mexico 87107

March 17, 1993

OIL CONSERVATION DIVISION  
RECEIVED

58 MAR 19 AM 9 00

Permit# GW93008

Mr. William J. Lemay  
Director, State of New Mexico  
Oil Conservation Division  
P.O. Box 2083  
Santa Fe, New Mexico 87504-2088

Dear Mr. Lemay:

This responds to the notice of publication received by the U.S. Fish and Wildlife Service (Service) on March 8, 1993, regarding the Oil Conservation Division (OCD) discharge plan applications on fish, shellfish, and wildlife resources in New Mexico.

The Service has the following comments on the issuance of the following discharge permits.

GW-133 Williams Field Service, San Juan 30-8 No. 1 C.D.P. Compressor Station located in SE/4, Section 32, T31N, R8W, NMPM, San Juan County, New Mexico. Approximately 10 gallons per day of washdown water is stored in a above ground steel tank prior to transport to an OCD approved off-site disposal facility.

GW-134 Williams Field Service, Decker Junction C.D.P. Compressor Station located in the SE/4 Section 19, T32N, R10W, NMPM, San Juan County, New Mexico. Approximately 5 gallons per day of washdown water is stored in an above ground steel tank prior to transport to an OCD approved off-site disposal facility.

GW-136 Williams Field Service, San Juan 29-7 No. 1 C.D.P. Compressor Station located in SE/4 Section 15, T29N, R7W, NMPM, Rio Arriba County, New Mexico. Approximately 10 gallons per day of washdown water is stored in an above ground steel tank prior to transport to an OCD approved offsite disposal facility.

Natural gas pipeline condensates contain many organic constituents including benzene, C1 to C5 alkylated benzenes, toluene, and/or polychlorinated bi-phenyls (PCBs) which may be incorporated into the condensate through some compressor lubricants. The Service is concerned that the process waste water may contain any or all of these organic constituents and accidental spills could result in potential toxicity to Department of the Interior Trust Resources over time.



Mr. William J. Lemay

2

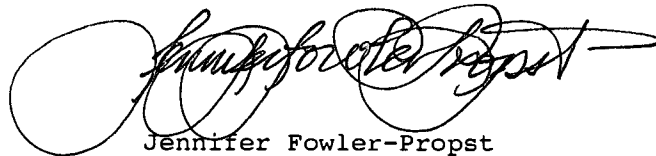
Tank capacity should be able to contain all the water produced during periods of inclement weather when it is not possible to drain the tank on a regular schedule. The tanks should also exhibit strong corrosion resistance to those fluids the tank will store. The entire tank should be exposed to visually detect leaks. If leaks are detected surface soil monitoring should be implemented and runoff prevention measures should be installed thereby preventing toxic constituents reaching streams, or the San Juan and Animas Rivers. The permit did not disclose whether the tanks were completely closed. If the top is open, the tank should be netted so as to not present a potential threat to endangered species or to migratory birds that may be found in the area.

GW-98 Weskem-Hall, Inc., Farmington Service Facility located in SW/4 NW/4, Section 19, T29N, Range 12W, NMPM, San Juan County, New Mexico. Approximately 275,000 pounds and 2,000 gallons of oilfield supply chemicals are stored at the facility. There is no waste or washdown water used at the facility.

Areas of storage should be constructed in a way to contain any accumulation of water or spilled chemicals which may potentially runoff into sensitive areas such as the San Juan River and cause potential impacts to threatened or endangered species or migratory birds.

If you have any questions concerning our comments, please contact Mary Orms at (505) 883-7877.

Sincerely,



Jennifer Fowler-Propst  
Field Supervisor

cc:

Director, New Mexico Department of Game and Fish, Santa Fe, New Mexico  
Regional Administrator, U.S. Environmental Protection Agency, Dallas, Texas  
Regional Director, U.S. Fish and Wildlife Service, Ecological Services,  
Albuquerque, New Mexico

ACKNOWLEDGEMENT OF RECEIPT  
OF CHECK/CASH

I hereby acknowledge receipt of check No. [REDACTED] dated 2/19/93,

or cash received on 2/26/93 in the amount of \$ 150.00

from Williams Field Service Co.

San Juan 30-8 No. 1 CDP Compressor Station GW-133

for Decker Jct. C.D.P. Compressor Station GW-134

San Juan (Facility Name) 29-7 No. 1 C.D.P. Compressor Station GW-136 (DP No.)  
Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

Submitted to ASD by: Kathy Brown Date: 2/26/93

Received in ASD by: A. Albre Date: 2/26/93

Filing Fee X-3 New Facility \_\_\_\_\_ Renewal \_\_\_\_\_

Modification \_\_\_\_\_ Other \_\_\_\_\_  
(specify)

Organization Code 521.07 Applicable FY 93

To be deposited in the Water Quality Management Fund.

Full Payment \_\_\_\_\_ or Annual Increment \_\_\_\_\_

**WILLIAMS FIELD SERVICES COMPANY**  
ONE OF THE WILLIAMS COMPANIES

P. O. BOX 58900  
SALT LAKE CITY, UTAH 84158-0900

CORESTATES BANK OF DELAWARE, N.A.  
In cooperation with 1st Interstate Bank

62-22  
311

PAY

DATE	CHECK NO.	NET AMOUNT
02/19/93	[REDACTED]	*****150.00

ONE HUNDRED FIFTY AND 00/100 DOLLARS

TO THE  
ORDER  
OF

NEW MEXICO OIL CONSERVATN DIV@@  
310 OIL SANTA FE TRAIL  
STATE LAND OFFICE BUILDING  
SANTA FE, NM

87504

WILLIAMS FIELD SERVICES COMPANY

Ronald E. Houston  
ASSISTANT TREASURER  
AUTHORIZED REPRESENTATIVE

**WILLIAMS FIELD SERVICES COMPANY**

00-070-000071469

WILLIAMS FIELD SERVICE

VOUCHER NUMBER	INVOICE NUMBER	PURCHASE ORDER	INVOICE DATE	AMOUNT	DISCOUNT	NET AMOUNT
022031	DIS3 GO		02-15-93	150.00	.00	150.00
T O T A L S				150.00	.00	150.00

PLEASE DETACH BEFORE DEPOSITING

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING  
GOVERNOR



POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

March 3

1993

FARMINGTON DAILY TIMES  
P. O. Box 450  
Farmington, New Mexico 87401

RE: NOTICE OF PUBLICATION

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**ATTN: ADVERTISING MANAGER**

Dear Sir/Madam:

Please publish the attached notice one time immediately on receipt of this request. Please proofread carefully, as any error in a land description or in a key word or phrase can invalidate the entire notice.

Immediately upon completion of publication, please send the following to this office:

1. Publisher's affidavit in duplicate.
2. Statement of cost (also in duplicate.)
2. CERTIFIED invoices for prompt payment.

We should have these immediately after publication in order that the legal notice will be available for the hearing which it advertises, and also so that there will be no delay in your receiving payment.

Please publish the notice no later than March 10, 1993.

Sincerely,

*Sally Leichtle*  
Sally E. Leichtle  
Administrative Secretary

Attachment

P 667 241 851  
Certified Mail Receipt  
No Insurance Coverage Provided  
Do not use for International Mail  
POSTAL SERVICE (See Reverse)

Sent to	
Farmington Daily Times	
Street & No.	
P.O. Box 450	
P.O. Farmington, NM 87401	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$
Postmark or Date	

401

## **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 applications have been submitted to the Director of the Oil Conservation Division, State Land Office Building, P.O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505) 827-5800:

(GW-133) - Williams Field Service, Robert Peacock, Project Manager, P.O. Box 58900, M.S. 10368, Salt Lake City, Utah 84158-0900, has submitted a discharge plan application for their San Juan 30-8 No.1 C.D.P. Compressor Station located in the SE/4, Section 32, Township 31 North, Range 8 West, NMPM, San Juan County, New Mexico. Approximately 10 gallons per day of washdown water with a total dissolved solids concentration of approximately 1100 mg/l is stored in an above ground steel 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 approximately 220 feet with a total dissolved solids concentration of approximately 2000 mg/l. The discharge plan addresses how spill, leaks, and other accidental discharges to the surface will be managed.

(GW-134) - Williams Field Service, Robert Peacock, Project Manager, P.O. Box 58900, M.S. 10368, Salt Lake City, Utah 84158-0900, has submitted a discharge application for their Decker Junction C.D.P. Compressor Station located in the SE/4 Section 19, Township 32 North, Range 10 West, NMPM, San Juan County, New Mexico. Approximately 5 gallons per day of washdown water with total dissolved solids concentration of 1100 mg/l is stored in above ground steel tanks prior to transport to an OCD approved off-site disposal facility. Groundwater most likely to be affected in the event of an accidental discharge is at a depth of approximately 30 feet with a total dissolved solids concentration of approximately 2000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-136) - Williams Field Service, Robert Peacock, Project Manager, P.O. Box 58900, M.S. 10368, Salt Lake City, Utah 84158-0900, has submitted a discharge plan application for their San Juan 29-7 No.1 C.D.P. Compressor Station located in the SE/4 Section 15, Township 29 North, Range 7 West, NMPM, Rio Arriba County, New Mexico. Approximately 10 gallons per day of washdown water with total dissolved solids concentration of 1100 mg/l is stored an above ground steel tank

prior to transport to an OCD approved off-site disposal facility. Groundwater most likely to be affected in the event of an accidental discharge is at a depth approximately 185 feet with a total dissolved solids concentration of approximately 2000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-98) - Weskem-Hall, Inc., Thomas Newman, District Manager, P.O. Box 2175, Farmington, New Mexico 87499, has submitted a discharge plan application for their Farmington Service Facility located in the SW/4 NW/4, Section 19, Township 29 North, Range 12 West, NMPM, San Juan County, New Mexico. Approximately 275,000 pounds and 2000 gallons of oilfield supply chemicals are stored at the facility. There is no waste or washdown water used at the facility. Groundwater most likely to be affected in the event of an accidental discharge is at a depth of approximately 30 feet with a total dissolved solids concentration ranging from 630 mg/l to 1470 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 5:00 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.

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GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 1st day of March, 1993.

SEAL

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
WILLIAM J. LEMAY, Director

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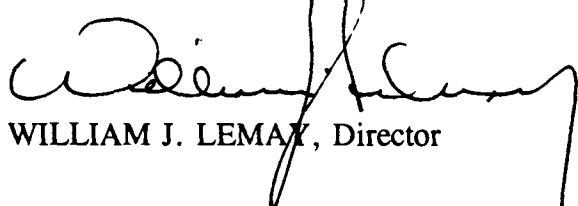
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GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 1st day of March, 1993.

SEAL

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

  
WILLIAM J. LEMAY, Director



**WILLIAMS FIELD SERVICES COMPANY**  
ONE OF THE WILLIAMS COMPANIES   
P.O. BOX 58900  
SALT LAKE CITY, UTAH 84158-0900  
801-583-8800  
FAX: (801) 584-6483

RECEIVED

FEB 22 1993

OIL CONSERVATION DIV.  
SANTA FE

February 19, 1993

RECEIVED

FEB 22 1993

OIL CONSERVATION DIV.  
SANTA FE

Mr. Roger Anderson  
New Mexico Oil Conservation Division  
State Land Office Building  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87504

Re: Discharge Plans for Three C.D.P.'s - San Juan and Rio Arriba Counties

Dear Mr. Anderson:

Enclosed please find three copies of the Williams Field Services Discharge Plan for the following C.D.P.'s:

1. San Juan 30-8 No. 1 C.D.P., San Juan County *GW-133*
2. Decker Jct. C.D.P., San Juan County *GW-134*
3. San Juan 29-7 No. 1 C.D.P., Rio Arriba County *GW-136*

I have also enclosed three checks for \$50.00 each, payable to the New Mexico Water Quality Management Fund, to cover the application fees for the above referenced projects.

Williams Field Services' engineering section has not yet received the final engineering drawings for these C.D.P.'s. The site plans for the C.D.P.'s, will be submitted to you as soon as they are available.

Your assistance in processing these discharge plans is appreciated.

Sincerely,

*Carol Revelt pm*

Carol Revelt  
Environmental Specialist

Attachments

cc: D. Compton, 10309

**WILLIAMS FIELD SERVICES COMPANY**  
ONE OF THE WILLIAMS COMPANIES  
P.O. BOX 58900  
SALT LAKE CITY, UTAH 84158-0900  
801-583-8800  
FAX: (801) 584-6483

RECEIVED

FEB 22 1993

OIL CONSERVATION DIV.  
SANTA FE

February 19, 1993

RECEIVED

FEB 22 1993

OIL CONSERVATION DIV.  
SANTA FE

Mr. Roger Anderson  
New Mexico Oil Conservation Division  
State Land Office Building  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87504

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Your assistance in processing these discharge plans is appreciated.

Sincerely,

*Carol Revelt*  
Carol Revelt  
Environmental Specialist

Attachments

cc: D. Compton, 10309

**WILLIAMS FIELD SERVICES COMPANY**

00-070-000071469

**WILLIAMS FIELD SERVICE**

VOUCHER NUMBER	INVOICE NUMBER	PURCHASE ORDER	INVOICE DATE	AMOUNT	DISCOUNT	NET AMOUNT
022031	DIS3 GO		02-15-93	150.00	.00	150.00
T O T A L S				150.00	.00	150.00

PLEASE DETACH BEFORE DEPOSITING

**WILLIAMS FIELD SERVICES COMPANY**  
ONE OF THE WILLIAMS COMPANIES

P. O. BOX 58900  
SALT LAKE CITY, UTAH 84158-0900

CORESTATES BANK OF DELAWARE, N.A.  
In cooperation with 1st Interstate Bank

62-22  
311

DATE	CHECK NO.	NET AMOUNT
02/19/93		*****150.00

PAY

ONE HUNDRED FIFTY AND 00/100 DOLLARS

TO THE  
ORDER  
OF

NEW MEXICO OIL CONSERVATN DIV<sup>ee</sup>  
310 OIL SANTA FE TRAIL  
STATE LAND OFFICE BUILDING  
SANTA FE, NM

87504

WILLIAMS FIELD SERVICES COMPANY

*Ronald E. Houston*  
**ASSISTANT TREASURER**  
AUTHORIZED REPRESENTATIVE

RECEIVED  
FEB 22 1993  
OIL CONSERVATION DIV.  
SANTA FE

DISCHARGE PLAN  
MANZANARES GATHERING SYSTEM  
SAN JUAN 30-8 NO. 1 C.D.P.

Williams Field Services Company  
February 1993

1.0 GENERAL INFORMATION

1.1 Legally Responsible Party

Williams Field Services  
San Juan 30-8 No. 1 C.D.P.  
P.O. Box 58900, M.S. 10368  
Salt Lake City, Utah 84158-0900  
(801) 584-6716

Contact Person

Carol Revelt  
Environmental Specialist  
(801) 584-6716  
Address, Same as Above

1.2 Location of Discharge

The San Juan 30-8 No. 1 C.D.P. is located in the SE of Section 32, Township 31 North, Range 8 West, San Juan County. A vicinity map is attached (Archuleta, New Mexico) as Exhibit 1. The cleared site for this Compressor Station is approximately 3.4 acres. The site boundary survey is provided in Figure 1.

1.3 Type of Natural Gas Operation

The San Juan 30-8 No. 1 C.D.P. will provide metering, compression, and dehydration services to various producers for the gathering of coal seam methane gas (Fruitland Coal Formation) on a contract basis for ultimate delivery through the WFS Milagro Plant (CO<sub>2</sub> removal) near Bloomfield, New Mexico.

*seven*  
*CE* Five (7) 895 horse power (site rated), skid mounted, self contained, natural gas fired lean-burn compressor units and four (4) skid mounted, self contained glycol dehydrators are currently planned for this site.

This facility is classified as a field compressor station. Consequently there will be no formal office or other support facilities not essential to field compression.

1.4 Affirmation

I hereby certify that I am familiar with the information contained in and submitted with this application and that such information is true, accurate and complete to the best of my knowledge and belief.

  
\_\_\_\_\_  
Signature

Robert Peacock

February 18, 1993

\_\_\_\_\_  
Date

Project Manager

## 2.0 GENERAL PROCESSES

### 2.1 Process Fluids

Table 1 lists the sources and planned disposition of liquid waste process and fluids with approximations of the quantity and type. Material Safety Data Sheets for glycol and oil used in the equipment are provided in Appendix A. For reference, representative samples of washdown wastewater and used motor oil have previously been collected at a typical Williams Field Services C.D.P. and analyzed for the parameters listed below.

<u>Sample</u>	<u>Parameters</u>
Washdown Wastewater	TDS, pH, BETX, As, Ba, Cd, Cr, Pb, Hg, TOX.
Used Motor Oil	As, Cd, Cr, Pb, TOX, Flash Point

Additional Chemicals listed in WQCC 1-101.44 and 3-103 are not expected to be present in any process fluids or in the coal seam gas transported at the San Juan 30-8 No. 1 C.D.P.

### 2.2 Spill/Leak Prevention and Housekeeping Procedures

Production Operators, Incorporated (POI) will be contracted to operate and maintain the facility. The facility will be inspected several times per week at a minimum and a POI operator will be on call 24 hours per day, 7 days per week, 52 weeks per year. The facility will be remotely monitored for equipment malfunction. Production Operators must comply with Williams' spill response procedures.

Environmental Protection will be a contractual obligation as follows:

POLLUTION/HAZARDOUS WASTE. POI shall take all necessary precautions to control pollution of any kind resulting from POI's operation of the compression equipment. At POI's sole cost, all hazardous substances, hazardous wastes and oil will be managed to prevent contamination of property and associated surface and groundwater resources.

POI will comply with all applicable spill reporting and recordkeeping requirements of federal, state and local laws and regulations pertaining to hazardous substances, hazardous wastes and oil. POI shall be responsible for all costs related to the cleanup and disposal of contaminated material as well as personal or property damage resulting from such contamination on said property. Hazardous wastes will be properly stored and disposed of in accordance with applicable state and federal laws and regulations.

TABLE 1

Sources and Disposition of  
Process Fluids

<u>Source</u>	<u>Disposition</u>	<u>Quantity</u>	<u>Quality Type</u>	<u>Additives</u>
Compressor Engines	Collected Separately in Tank	875 gal each quarter	Used Motor Oil	None
Glycol Re- generation	Collected Separately in Evaporation Standpipe	60 gpd	Distilled Water	Triethylene Glycol
Gas Inlet Separator	Collected Separately in Blowdown Tank	Variable, available for upsets	High TDS Water	None
Washdown water	Collected Separately in Tank	Intermittent	Rainwater, Tapwater with Traces of Used Motor Oil & TEG	Soap
Lube Oil	Compressor Engines		Motor Oil	None

For overflow containment, tanks on saddle racks are underlain by concrete splash aprons equipped with retainment curbs. Fluids which collect within the curbed area drain through a pipe into a closed containment system. A drip pan will be placed beneath the catwalk adjacent to the oil filter on each compressor unit to contain spillage during maintenance activities.

Spill containment dikes around the bulk storage tanks will contain 1 1/3 volume of the largest vessel. Spill containment is also provided around the tank loading valves. Surface runoff within the site will drain by sheet flow to the northwest.

Williams corporate policy and procedure for the controlling and reporting of Discharges or Spills of Oil or Hazardous Substances is provided in Appendix B. Significant spills and leaks will be reported to the OCD pursuant to Rule 116 using the OCD form (see Appendix B).

All pressure vessels on site have been tested in accordance with the requirement of the ASME Boiler and Pressure Vessel Code. All interconnecting gas piping on site has been tested in accordance with the requirements of the ASME Code for Pressure Piping, B31.8 Gas Transmission and Distribution Piping Systems.

### 2.3 Disposal of Waste Fluids

The disposition of waste fluids is described in Table 1 of section 2.1.

Used motor oil is collected in a closed-piping system from each individual unit to a common above-ground collection tank and trucked from the site by an EPA-registered used oil marketer or recycler. *10 gal/day*

Distilled water vapor which condenses within the steam line of the glycol regeneration process is collected separately in a standpipe adjacent to each dehydrator. The water drains by gravity from the standpipe to a tank within a closed-piping system and is trucked from the site to an NMOCD authorized disposal facility. *60 gal/day*

Washdown wastewater from engine deck plates is collected in a closed piping system directly to the wastewater storage tank and disposed of at a commercial facility authorized by the NMOCD.

Porta-pottys present at this facility will be serviced under a contract requiring proper sewage disposal in accordance with applicable laws and regulations.



### 3.0 Site Characteristics

#### A. Hydrologic Features

The San Juan 30-8 No. 1 C.D.P. is located on Pump Mesa near the upper reaches of La Manga Canyon in the SE of Section 32, Township 31 North, Range 8 West, San Juan County. The graded site elevation is approximately 6,320 feet above sea level. The undeveloped site is covered by sagebrush, bromgrass and other native grasses. The site is underlain by sandstones and shales of the San Jose Formation.

The site is located on a gentle, west-facing slope on Pump Mesa. Approximately 1,500 west of the site, the terrain drops off sharply into the upper reaches of La Manga Canyon. A review of the available hydrologic data<sup>1</sup> for this area revealed that the closest documented source of ground water down-gradient of this site is EPNG Pump Mesa #1 Water Well (SJ-0198), located in the SESW Section 32, Township 31 North, Range 8 West, approximately 0.25 miles southwest of the site. The water producing interval for this well is between 938 and 1,650 feet in the Tertiary Naciminto formation. The specific conductance of this water has been measured at 13,000 and 14,000 umhos at 25° C.

Other sources of ground water nearby include the alluvial deposits of La Manga Canyon, located approximately 0.5 miles west of the site at an elevation of approximately 6,100 feet. Ground water within these alluvial deposits flows to the southwest toward Pump Canyon and the Animas River, which are located approximately three and eight miles southwest of the site, respectively, at elevations of 5,800 and 5,300 feet. The ground water in the alluvial deposits is expected to have a total dissolved solids concentration of approximately 2,000 mg/l.

The Archuleta topographic map indicates that a small un-named reservoir is located approximately 200 feet north of the site in Section 32, T31N, R8W.

#### B. Flood Protection

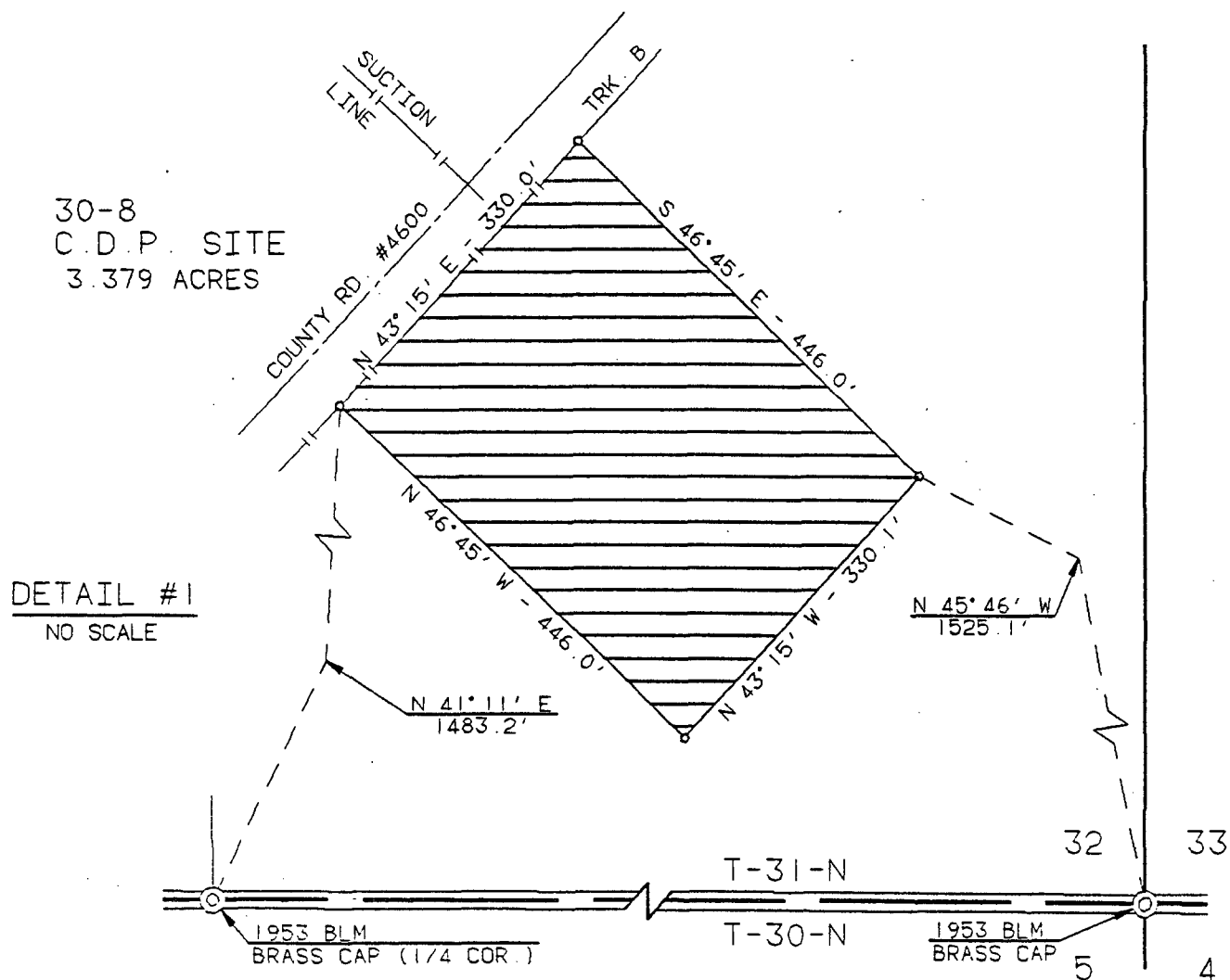
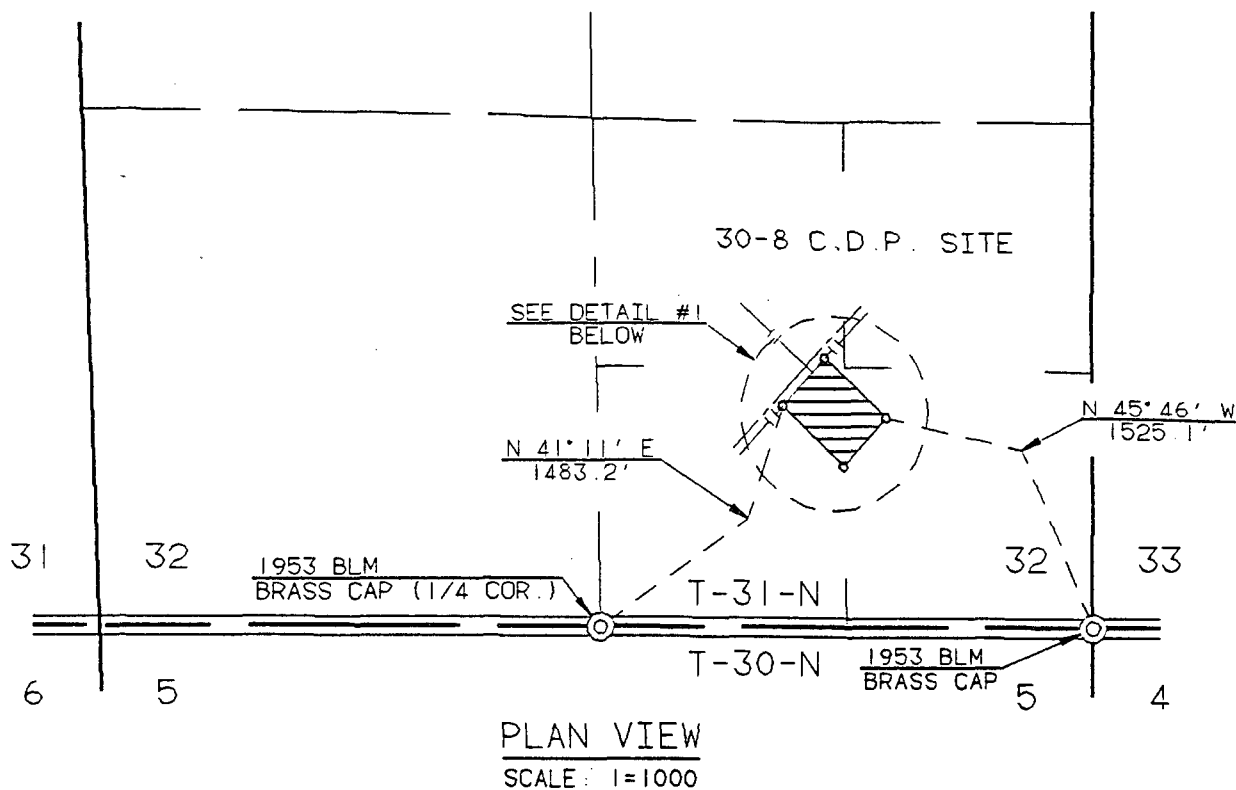
After final excavation and grading are complete, surface water runoff from the area surrounding the site will be diverted around the site and to the west into a natural wash.

<sup>1</sup> Klausung, R.L. and G.E. Welder, "Availability of Hydrologic Data in San Juan County, New Mexico:", U.S.G.S. Open-File Report 84-608, 1984.

Lyford, F.P., "Ground Water in the San Juan Basin, New Mexico and Colorado", U.S.G.S. Water-Resource Investigations 79-73, May, 1979.

Stone, W.J., F.P. Lyford, P.F. Frenzel, N.H. Mizel, E.P. Padgett, "Hydrogeology and Water Resources of San Juan Basin, New Mexico", Hydrologic Report 6, New Mexico Bureau of Mines & Mineral Resources, 1983.

NOTE: BEARINGS ARE BASED ON  
ASTRONOMIC DATA.



SURVEYED: 11/13/92  
W.D. NO  
R/W NO 01195  
SURFACE OWNER: STATE OF NEW MEXICO

## WILLIAMS FIELD SERVICES CO.

MANZANARES GATHERING SYSTEM  
30-8 C D P SITE  
SEC 32, T-31-N R-8-W, N.M.P.M  
SAN JUAN COUNTY, NEW MEXICO

SCALE 1" = 1000'	DATE 11/25/92	APPROVED 
DRAWN BY FAO	CHECKED BY JLT	DWG NO 798.12-X-4

**EXHIBIT "A"**  
**MATERIAL SAFETY DATA SHEETS**

MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN

REVISED: 12/08/89

\*\*\*\*\* I. PRODUCT IDENTIFICATION \*\*\*\*\*  
MOBIL PEGASUS 485

SUPPLIER:	HEALTH EMERGENCY TELEPHONE:
MOBIL OIL CORP.	(609) 737-4411
CHEMICAL NAMES AND SYNONYMS:	TRANSPORT EMERGENCY TELEPHONE:
PET. HYDROCARBONS AND ADDITIVES	(800) 424-9300 (CHEMTREC)
USE OR DESCRIPTION:	PRODUCT TECHNICAL INFORMATION:
INDUSTRIAL LUBRICANT	(800) 662-4525

\*\*\*\*\* II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES \*\*\*\*\*

APPEARANCE: ASTM 5.0 LIQUID      ODOR: MILD      PH: NA  
 VISCOSITY AT 100 F, SUS: 650.0      AT 40 C, CS: 72.0  
 VISCOSITY AT 210 F, SUS: 70.0      AT 100 C, CS: 13.0  
 FLASH POINT F(C): 480(249)      (ASTM D-92)  
 MELTING POINT F(C): NA      POUR POINT F(C): 10(-12)  
 BOILING POINT F(C): > 600(316)  
 RELATIVE DENSITY, 15/4 C: 0.89      SOLUBILITY IN WATER: NEGLIGIBLE  
 VAPOR PRESSURE-MM HG 20C: < .1

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES  
 FOR FURTHER INFORMATION, CONTACT YOUR LOCAL MARKETING OFFICE.

\*\*\*\*\* III. INGREDIENTS \*\*\*\*\*

	WT PCT	EXPOSURE LIMITS	SOURCES
	(APPROX)	MG/M3	PPM (AND NOTES)
POTENTIALLY HAZARDOUS INGREDIENTS:			
NONE			

OTHER INGREDIENTS:  
 REFINED MINERAL OILS >90  
 ADDITIVES AND/OR OTHER INGREDIENTS <10

SEE SECTION XII FOR COMPONENT REGULATORY INFORMATION.

SOURCES: A=ACGIH-TLV, A\*=SUGGESTED-TLV, M=MOBIL, O=OSHA, S=SUPPLIER  
 NOTE: LIMITS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

\*\*\*\*\* IV. HEALTH HAZARD DATA \*\*\*\*\*

--- INCLUDES AGGRAVATED MEDICAL CONDITIONS, IF ESTABLISHED ---  
 EFFECTS OF OVEREXPOSURE: NOT EXPECTED TO BE A PROBLEM.

\*\*\*\*\* V. EMERGENCY AND FIRST AID PROCEDURES \*\*\*\*\*

--- FOR PRIMARY ROUTES OF ENTRY ---

EYE CONTACT: FLUSH WITH WATER.  
 SKIN CONTACT: WASH CONTACT AREAS WITH SOAP AND WATER.  
 INHALATION: NOT EXPECTED TO BE A PROBLEM.  
 INGESTION: NOT EXPECTED TO BE A PROBLEM. HOWEVER, IF GREATER THAN 1/2 LITER(PINT) INGESTED. IMMEDIATELY GIVE 1 TO 2 GLASSES OF WATER AND CALL A PHYSICIAN, HOSPITAL EMERGENCY ROOM OR POISON CONTROL CENTER FOR ASSISTANCE. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

## \*\*\*\*\* VI. FIRE AND EXPLOSION HAZARD DATA \*\*\*\*\*

FLASH POINT F(C): 480(249) (ASTM D-92)

FLAMMABLE LIMITS. LEL: .6 UEL: 7.0

EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL AND WATER FOG.

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 EXPOSURE. FOR FIRES IN ENCLOSED AREAS, FIREFIGHTERS MUST USE SELF-CONTAINED BREATHING APPARATUS. PREVENT RUNOFF FROM FIRE CONTROL OR DILUTION FROM ENTERING STREAMS OR DRINKING WATER SUPPLY.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

NFPA HAZARD ID: HEALTH: 0, FLAMMABILITY: 1, REACTIVITY: 0

## \*\*\*\*\* VII. REACTIVITY DATA \*\*\*\*\*

STABILITY (THERMAL, LIGHT, ETC.): STABLE

CONDITIONS TO AVOID: EXTREME HEAT

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

## \*\*\*\*\* VIII. SPILL OR LEAK PROCEDURE \*\*\*\*\*

ENVIRONMENTAL IMPACT: REPORT SPILLS AS REQUIRED TO APPROPRIATE

AUTHORITIES. U. S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE

REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING

INTERMITTENT DRY CREEKS. REPORT SPILL TO COAST GUARD TOLL FREE

NUMBER 800-424-8802.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: ADSORB ON FIRE RETARDANT TREATED SAWDUST, DIATOMACEOUS EARTH, ETC. SHOVEL UP AND DISPOSE OF AT AN APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS, AND PRODUCT CHARACTERISTICS AT TIME OF DISPOSAL.

WASTE MANAGEMENT: PRODUCT IS SUITABLE FOR BURNING IN AN ENCLOSED, CONTROLLED BURNER FOR FUEL VALUE OR DISPOSAL BY SUPERVISED INCINERATION. SUCH BURNING MAY BE LIMITED PURSUANT TO THE RESOURCE CONSERVATION AND RECOVERY ACT. IN ADDITION, THE PRODUCT IS SUITABLE FOR PROCESSING BY AN APPROVED RECYCLING FACILITY OR CAN BE DISPOSED OF AT ANY GOVERNMENT APPROVED WASTE DISPOSAL FACILITY. USE OF THESE METHODS IS SUBJECT TO USER COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS AND CONSIDERATION OF PRODUCT CHARACTERISTICS AT TIME OF DISPOSAL.

## \*\*\*\*\* IX. SPECIAL PROTECTION INFORMATION \*\*\*\*\*

EYE PROTECTION: NO SPECIAL EQUIPMENT REQUIRED.

SKIN PROTECTION: NO SPECIAL EQUIPMENT REQUIRED. HOWEVER, GOOD PERSONAL HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.

RESPIRATORY PROTECTION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.

VENTILATION: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.

## \*\*\*\*\* X. SPECIAL PRECAUTIONS \*\*\*\*\*

NO SPECIAL PRECAUTIONS REQUIRED.

\*\*\*\*\* XI. TOXICOLOGICAL DATA \*\*\*\*\*

---ACUTE TOXICOLOGY---

ORAL TOXICITY (RATS): LD50: > 5 G/KG SLIGHTLY TOXIC (ESTIMATED) ---  
BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

DERMAL TOXICITY (RABBITS): LD50: > 2 G/KG SLIGHTLY TOXIC (ESTIMATED) ---  
BASED ON TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

INHALATION TOXICITY (RATS): NOT APPLICABLE ---HARMFUL CONCENTRATIONS OF  
MISTS AND/OR VAPORS ARE UNLIKELY TO BE ENCOUNTERED THROUGH ANY  
CUSTOMARY OR REASONABLY FORESEEABLE HANDLING, USE, OR MISUSE OF  
THIS PRODUCT.

EYE IRRITATION (RABBITS): EXPECTED TO BE NON-IRRITATING. ---BASED ON  
TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

SKIN IRRITATION (RABBITS): EXPECTED TO BE NON-IRRITATING. ---BASED ON  
TESTING OF SIMILAR PRODUCTS AND/OR THE COMPONENTS.

---SUBCHRONIC TOXICOLOGY (SUMMARY)---

SEVERELY SOLVENT REFINED AND SEVERELY HYDROTREATED MINERAL BASE OILS  
HAVE BEEN TESTED AT MOBIL ENVIRONMENTAL AND HEALTH SCIENCES  
LABORATORY BY DERMAL APPLICATION TO RATS 5 DAYS/WEEK FOR 90 DAYS AT  
DOSES SIGNIFICANTLY HIGHER THAN THOSE EXPECTED DURING NORMAL  
INDUSTRIAL EXPOSURE. EXTENSIVE EVALUATIONS INCLUDING MICROSCOPIC  
EXAMINATION OF INTERNAL ORGANS AND CLINICAL CHEMISTRY OF BODY  
FLUIDS, SHOWED NO ADVERSE EFFECTS.

---CHRONIC TOXICOLOGY (SUMMARY)---

THE BASE OILS IN THIS PRODUCT ARE SEVERELY SOLVENT REFINED AND/OR  
SEVERELY HYDROTREATED. TWO YEAR MOUSE SKIN PAINTING STUDIES OF  
SIMILAR OILS SHOWED NO EVIDENCE OF CARCINOGENIC EFFECTS.

\*\*\*\*\* XII. REGULATORY INFORMATION \*\*\*\*\*  
GOVERNMENTAL INVENTORY STATUS: ALL COMPONENTS REGISTERED IN ACCORDANCE  
WITH TSCA.

D.O.T. SHIPPING NAME: NOT APPLICABLE

D.O.T. HAZARD CLASS: NOT APPLICABLE

US OSHA HAZARD COMMUNICATION STANDARD: PRODUCT ASSESSED IN ACCORDANCE  
WITH OSHA 29 CFR 1910.1200 AND DETERMINED NOT TO BE HAZARDOUS.

RCRA INFORMATION: THE UNUSED PRODUCT, IN OUR OPINION, IS NOT  
SPECIFICALLY LISTED BY THE EPA AS A HAZARDOUS WASTE (40 CFR,  
PART 261D); DOES NOT EXHIBIT THE HAZARDOUS CHARACTERISTICS OF  
IGNITABILITY, CORROSIVITY, OR REACTIVITY, AND IS NOT FORMULATED  
WITH THE METALS CITED IN THE EP TOXICITY TEST. HOWEVER, USED  
PRODUCT MAY BE REGULATED.

U.S. SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III:  
THIS PRODUCT CONTAINS NO "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (302) REPORTABLE HAZARD CATEGORIES: NONE

THIS PRODUCT CONTAINS NO CHEMICALS REPORTABLE UNDER  
SARA (313) TOXIC RELEASE PROGRAM.

THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
*** NO REPORTABLE INGREDIENTS ***		

--- KEY TO LIST CITATIONS ---

1 = OSHA 2,	2 = ACGIH,	3 = IARC,	4 = NTP,	5 = NCI,
6 = EPA CARC,	7 = NFPA 49,	8 = NFPA 325M,	9 = DOT HMT,	10 = CA RTK,
11 = IL RTK,	12 = MA RTK,	13 = MN RTK,	14 = NJ RTK,	15 = MI 293,
16 = FL RTK,	17 = PA RTK,	18 = CA P65.		

--- NTP, IARC, AND OSHA INCLUDE CARCINOGENIC LISTINGS ---

NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS.

\*\*\*\*\*  
INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT  
WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR  
PARTICULAR USES ARE BEYOND OUR CONTROL; ALL RISKS OF USE OF THE PRODUCT  
ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL  
WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF  
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE  
USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A  
RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING  
LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING  
PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

\*\*\*\*\*  
PREPARED BY: MOBIL OIL CORPORATION

ENVIRONMENTAL AFFAIRS AND TOXICOLOGY DEPARTMENT, PRINCETON, NJ  
FOR FURTHER INFORMATION, CONTACT:

MOBIL OIL CORPORATION, PRODUCT FORMULATION AND QUALITY CONTROL  
3225 GALLOWES ROAD, FAIRFAX, VA 22037 (703) 849-3265

**Mobil**

MOBIL PEGASUS 485

605816

PAGE 5 OF 5

\*\*\*\*\* APPENDIX \*\*\*\*\*  
FOR MOBIL USE ONLY: (FILL NO: RN1022D1001) MCN: , MHC: 1\* 1\* NA 0\*  
0\*, MPPEC: , PPEC: , US83-002 APPROVE 08/23/83



Date issued: 12/10/81  
Supersedes: 04/10/81TEXACO  
MATERIAL SAFETY DATA SHEET

NOTE: Read and understand Material Safety Data Sheet before handling or disposing of product

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

## MATERIAL IDENTITY

Product Code and Name:  
75024 TRIETHYLENE GLYCOLChemical Name and/or Family or Description:  
GlycolManufacturer's Name and Address:  
Texaco Chemical Company  
P.O. Box 27707 Houston, TX 77227

## Telephone Numbers:

TRANSPORTATION EMERGENCY Company: (408) 727-0831

CHEMTREC: (800) 424-9300

HEALTH EMERGENCY Company: (814) 831-3400

GENERAL HAZARD ASSISTANCE (814) 838-7204

## TECHNICAL INFORMATION

Fuels: (814) 838-7338; Lubricants/Antifreezes: (814) 838-7808  
Chemicals: (812) 488-8848

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Product and/or Component(s) Carcinogenic According to: OSHA IARC NTP OTHER NONE  
- - - - X

## Composition:

Chemical/Common Name	CAS No.	Exposure Limit	Ratio (in %)
Ethanol, 2,2'-((1,2-ethanediylbis(oxy))bis-	112276	None Established	100.00

- Product is hazardous according to OSHA (1910.1200).
- Component(s) is hazardous according to OSHA or one or more state Right-to-Know laws.

## 3. HAZARD IDENTIFICATION

## EMERGENCY OVERVIEW

Appearance and Odor: colorless liquid, slight odor

## WARNING STATEMENT

NONE CONSIDERED NECESSARY

HHS		NTP		NFPA	
Health: 0	Reactivity: 0	Health: 0	Reactivity: 0	Health: 0	Reactivity: 0
Flammability: 1	Special: -	Flammability: 1	Special: -	Flammability: 1	Special: -

## POTENTIAL HEALTH EFFECTS

	EYE	SKIN	INHALATION	INGESTION
Primary Route of Exposure:	X	X	X	-
Effects of Overexposure				

## Acute

Eyes:  
May cause minimal irritation, experienced as temporary discomfort.

## Skin:

No adverse effects expected from absorption of material through the skin.

Brief contact is not irritating. Prolonged contact, as with clothing wetted with material, may cause defatting of skin or irritation, seen as local redness with possible mild discomfort.

Page: 1

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

N.T. - Not Tested



PRODUCT CODE: 79024  
PRODUCT NAME: TRIETHYLENE GLYCOL

Date Issued: 12/10/91  
Supersedes: 04/10/91

### 3. HAZARD IDENTIFICATION (CONT)

**Inhalation:**  
Vapors or mist, in excess of permissible concentrations, or in unusually high concentrations generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the nose and throat, headache, nausea, and drowsiness.

**Ingestion:**  
No adverse effects expected. If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur.

**Sensitization Properties:**  
Unknown.

**Chronic:**  
No adverse effects anticipated.

**Medical Conditions Aggravated by Exposure:**  
Repeated overexposure may aggravate or enhance existing nervous system dysfunction produced by disorders known to cause nervous system damage, such as diabetes, alcohol or drug abuse, and Parkinson's disease.

Repeated overexposure may aggravate existing kidney disease.

Because of its defatting properties, prolonged and repeated skin contact may aggravate an existing dermatitis (skin condition).

**Other Remarks:**  
None

### 4. FIRST AID MEASURES

**Eyes:**  
Flush eyes with plenty of water for several minutes. Get medical attention if eye irritation persists.

**Skin:**  
Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.

**Ingestion:**  
If more than several mouthfuls have been swallowed, give two glasses of water (16 oz.). Get medical attention.

**Inhalation:**  
If irritation, headache, nausea, or drowsiness occurs, remove to fresh air! Get medical attention if breathing becomes difficult or symptoms persist.

**Other Instructions:**  
None

### 5. FIRE-FIGHTING MEASURES

Ignition Temp. Degrees F.: N.D. Flash Point Degrees F. (Method): 229 F. (COC)  
Flammable Limits (%): Lower: N.D. Upper: N.D.

**Recommended Fire Extinguishing Agents And Special Procedures:**  
According to NFPA 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.

Page: 2

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N.T. - Not Tested



PRODUCT CODE: 78024  
PRODUCT NAME: TRIETHYLENE GLYCOL

Date Issued: 12/10/81  
Supersedes: 04/10/81

## 5. FIRE-FIGHTING MEASURES (CONT)

Unusual or Explosive Hazards:  
None

## 6. ACCIDENTAL RELEASE MEASURES (Transportation Spills Call: CHEMTREC (800) 434-9300)

Procedures in Case of Accidental Release, Breakage or Leakage:  
Contain spill if possible, contain with absorbent materials such as clay or soil, and shovel up. Avoid skin and eye contact.

## 7. HANDLING AND STORAGE

Precautions to be Taken in Handling and Storage:  
Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimized. Water contamination should be avoided.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Protective Equipment (Type)

#### Eye/Face Protection:

Chemical-type goggles or face shield recommended to prevent eye contact.

#### Skin Protection:

Workers should wash exposed skin several times daily with soap and water. Soiled work clothing should be laundered or dry-cleaned at least once a week.

#### Respiratory Protection:

Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated, use respirator approved by NIOSH or MSHA as appropriate. Supplied air respiratory protection should be used for cleaning large spills or upon entry into tanks, vessels, or other confined spaces. See below for applicable permissible concentrations.

#### Ventilation:

Local exhaust ventilation recommended if generating vapor, dust, or mist. If exhaust ventilation is not available or inadequate, use MSHA or NIOSH approved respirator as appropriate.

#### Exposure Limit for Total Product:

None established

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: colorless liquid, slight odor	Percent VOC: 100
Boiling Point (Degrees F.): 520	Vapor Density: 8.17
Specific Gravity: 1.265 (H <sub>2</sub> O=1)	Solubility in water: sol.
pH of undiluted product: 7.0	Other: -
Vapor Pressure: 0.01 mmHg	
Viscosity: 45 cP @ 30 C	

## 10. STABILITY AND REACTIVITY

This Material Reacts Violently With: (If others is checked below, see comments for details)

Air Water Heat Strong Oxidizers Others None of These

Page: 2

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N.T. - Not Tested

CoastChem:Pasade --- Farmington

000



Date Issued: 12/10/81  
Supervisor: 04/10/81

**Contents:**  
 Page

**Products Evolved When Subjected to Heat or Combustion:**  
Toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones may be formed on burning. Heating in air may produce irritating aldehydes, acids, and ketones.

	OCUR	DO NOT OCUR
Hazardous Polymerizations:		X

**TOXICOLOGICAL INFORMATION (ACUTAL TOXICITY DATA)**

Median Lethal Dose (LD50 LC50) (Species)  
Oral: believed to be > 8 g/kg (rat); practically non-toxic  
Inhalation: No effect (monkey, rat); saturated atmosphere  
Dermal: believed to be > 8 g/kg (rabbit); practically non-toxic  
Irritation Index, Estimation of Irritation (Species)  
Skin: believed to be < 0.5/2.0 (rabbit); no appreciable effect  
Eyes: believed to be < 1E/110 (rabbit); no appreciable effect  
Sensitization: N.D.  
Other:  
None

## WASTE DISPOSAL METHODS

This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.

REMARKS  
None

### 13. TRANSPORT INFORMATION

## TRANSPORTATION

DOT: PROPER SHIPPING NAME: Not regulated

HAZARD CLASS: N.D.  
IDENTIFICATION NUMBER: N.D.  
LABEL REQUIRED: N.D.

NAME: FRANCIS SCOTT KING NAME: N.S.

**DATA: PROPER SHIPPING NAME: N.D. ,**

**TDS: PROPER SHIPPING NAME: Not Required.**

HAZARD CLASS: N.D.  
IDENTIFICATION NUMBER: N.D.  
LABEL REQUIRED: N.D.



PRODUCT CODE: 78034  
PRODUCT NAME: TRIETHYLENE GLYCOL

Date Issued: 12/10/91  
Supersedes: 04/10/91

#### 14. REGULATORY INFORMATION

##### A. SARA TITLE III

Title III Section 302/304 Extremely Hazardous Substances:

Component	CAS No.	Percent	RD (lbs)	TPQ (lbs)
NONE				

CECLA Section 102(a) Hazardous Substances

Component	CAS No.	Percent	RD (lbs)
NONE			

Title III Section 311 Hazard Categorization

Acute Chronic Fire Pressure Reactive Not Applicable

X

Title III Section 312 Toxic Chemicals

Component	CAS No.	Percent
NONE		

##### B. MSDS CLASSIFICATION

Not Regulated

##### C. MICHIGAN CRITICAL MATERIALS

No critical materials present.

#### 15. OTHER INFORMATION

None

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE. IT IS PROVIDED INDEPENDENTLY OF ANY SALE OF THE PRODUCT FOR PURPOSE OF HAZARD COMMUNICATION AS PART OF TEXACO'S PRODUCT SAFETY PROGRAM. IT IS NOT INTENDED TO CONSTITUTE PERFORMANCE INFORMATION CONCERNING THE PRODUCT. NO EXPRESS WARRANTY, OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE WITH RESPECT TO THE PRODUCT OR THE INFORMATION CONTAINED HEREIN. DATA SHEETS ARE AVAILABLE FOR ALL TEXACO PRODUCTS. YOU ARE URGED TO OBTAIN DATA SHEETS FOR ALL TEXACO PRODUCTS YOU BUY, PROCESS, USE OR DISTRIBUTE AND YOU ARE ENCOURAGED AND REQUESTED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED HEREIN.

TO DETERMINE APPLICABILITY OR EFFECT OF ANY LAW OR REGULATION WITH RESPECT TO THE PRODUCT, USER SHOULD CONSULT HIS LEGAL ADVISOR OR THE APPROPRIATE GOVERNMENT AGENCY. TEXACO DOES NOT UNDERTAKE TO FURNISH ADVICE ON SUCH MATTERS.

Date: 12-10-91

- New

X Revised, Supersedes: 04-10-91

Date Printed: 01-14-92

Inquiries regarding MSDS should be directed to:

Texaco Chemical Co.

EMS - Product Safety Coordinator

P.O. Box 27707

Houston, TX 77227-7707

PLEASE SEE NEXT PAGE FOR PRODUCT LABEL

Page: 8

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

N.T. - Not Tested



PRODUCT CODE: 75024  
PRODUCT NAME: TRIETHYLENE GLYCOL

Date Issued: 12/10/81  
Supersedes: 04/10/81

# 18. PRODUCT LABEL

READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET BEFORE HANDLING OR DISPOSING OF PRODUCT

## 75024 TRIETHYLENE GLYCOL

**WARNING STATEMENT**  
NONE CONSIDERED NECESSARY

**PRECAUTIONARY MEASURES**  
AVOID PROLONGED BREATHING OF MIST OR VAPOR  
WORKERS SHOULD WASH EXPOSED SKIN SEVERAL TIMES DAILY WITH SOAP AND WATER.

### FIRST AID

#### INGESTION:

If more than several mouthfuls have been swallowed, give two glasses of water (16 oz.). Get medical attention.

#### INHALATION:

If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or symptoms persist.

#### EYE CONTACT:

Flush eyes with plenty of water for several minutes. Get medical attention if eye irritation persists.

#### SKIN CONTACT:

Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.

### FIRE

In case of fire, use foam, dry chemical, or CO2. Use water spray to keep containers cool.

Chemical/Common Name	CAS No.	Boiling Point
Ethanol, 2,2'-(1,2-ethanediylbis(oxy))bis-	112276	100.00

Product is hazardous according to OSHA (1910.1200).

Component(s) is hazardous according to OSHA or one or more state Right-to-Know laws.

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

National Fire Protection Association  
Health : 0 Reactivity : 0  
Flammability: 1 Special : -

DOT Proper Shipping Name: Not regulated  
DOT Hazardous Class : N.D.

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 open to open flame or heat. Keep containers closed and keep plugs in place.

Manufacturer's Name: Texaco Chemical Company  
P.O. Box 27707 Houston, TX 77237

TRANSPORTATION EMERGENCY Company: (408) 727-0831

**CONOCO****MATERIAL SAFETY DATA SHEET****I. MATERIAL IDENTIFICATION**

Name: Antifreeze/Coolant, Conoco  
Conoco Product Code: 2110  
Synonyms: Ethylene Glycol  
Manufacturer: Conoco Inc.  
Address: P.O. Box 1267, Ponca City, OK 74603

CAS Registry No.: Mixture;  
Major components may be some  
combination of 107-21-1  
Transportation Emergency No.:  
(800) 424-9300 (Chemtrec)  
Product Information No.:  
(405) 767-6000

**II. HAZARDOUS INGREDIENTS****HAZARD DATA**

Hazard Determination:

Health Effect Properties:

Ethylene glycol

Toxic to nervous system, kidney and liver.

Physical Effect Properties:

Product/Mixture: None.

Not Applicable.

**III. PHYSICAL DATA**

Appearance and Odor: Fluorescent green liquid; mild glycol odor.

Boiling Point (Deg.F)

320

Specific Gravity (H<sub>2</sub>O=1)

1.125

Vapor Pressure (mmHg)

0.05

% Volatile (by volume)

Not Applicable

Vapor Density (Air=1)

2.14

Evaporation Rate ( =1)

Not Applicable

Solubility in Water

Completely

**IV. REACTIVITY DATA**

Stable: X

Unstable:

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, vapors of ethylene glycol.

Conditions To Avoid: Strong oxidizing agents.

Hazardous Polymerization: Will not occur.

72-62-7820-81

# **MATERIAL SAFETY DATA SHEET**

## **ETHYLENE GLYCOL**

### **SECTION V-HEALTH HAZARD DATA (CONTINUED)**

- IF IN EYES: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET MEDICAL ATTENTION.
- IF SWALLOWED: IMMEDIATELY DRINK TWO GLASSES OF WATER AND INDUCE VOMITING BY EITHER GIVING SODA SYRUP OR BY PLACING FINGER AT BACK OF THROAT. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IMMEDIATELY.
- IF BREATHED: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET, AND GET MEDICAL ATTENTION.

### **PRIMARY ROUTE(S) OF ENTRY:**

INHALATION  
INGESTION

### **SECTION VI-REACTIVITY DATA**

HAZARDOUS POLYMERIZATION: CANNOT OCCUR

STABILITY: STABLE

INCOMPATIBILITY: AVOID CONTACT WITH: STRONG OXIDIZING AGENTS.

### **SECTION VII-SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND TRANSFER TO HOOD.

LARGE SPILL: ELIMINATE ALL IGNITION SOURCES (FLAMES, FLAMES, INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS). PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE, DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID TO BALANCE TANK. REMAINING LIQUID MAY BE TAKEN UP ON SAND, CLAY, EARTH, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL AND SHOVELED INTO CONTAINERS.

### **WASTE DISPOSAL METHOD:**

SMALL SPILL: ALLOW VOLATILE PORTION TO EVAPORATE IN HOOD. ALLOW SUFFICIENT TIME FOR VAPORS TO COMPLETELY CLEAR HOOD DUCT WORK. DISPOSE OF REMAINING MATERIAL IN ACCORDANCE WITH APPLICABLE REGULATIONS.

LARGE SPILL: DESTROY BY LIQUID INCINERATION IN ACCORDANCE WITH APPLICABLE REGULATIONS.

### **SECTION VIII-PROTECTIVE EQUIPMENT TO BE USED**

RESPIRATORY PROTECTION: IF TLV OF THE PRODUCT OR ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA JOINTLY APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS UNDER SPECIFIED CONDITIONS. (SEE YOUR SAFETY EQUIPMENT SUPPLIER). ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

VENTILATION: PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

PROTECTIVE GLOVES: WEAR RESISTANT GLOVES SUCH AS: NITRILE RUBBER

EYE PROTECTION: CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED. HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER TYPE SAFETY GLASSES. (CONSULT YOUR SAFETY EQUIPMENT SUPPLIER)

OTHER PROTECTIVE EQUIPMENT: TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

### **SECTION IX-SPECIAL PRECAUTIONS OR OTHER COMMENTS**

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THIS DATASHEET MUST BE OBSERVED.

ETHYLENE GLYCOL HAS BEEN SHOWN TO PRODUCE DOSE-RELATED TERATOGENIC EFFECTS IN RATS AND MICE WHEN GIVEN BY GAVAGE OR IN DRINKING WATER AT HIGH CONCENTRATIONS. WHILE THERE IS NO CURRENTLY AVAILABLE INFORMATION TO SUGGEST THAT ETHYLENE GLYCOL HAS CAUSED BIRTH DEFECTS IN HUMANS IT IS RECOMMENDED THAT EVERY EFFORT SHOULD BE MADE TO PREVENT THE INGESTION OF ANY ETHYLENE GLYCOL AND TO KEEP PERSONNEL EXPOSURE BELOW THE ACIDN TLV.

OVEREXPOSURE TO COMPONENTS HAS APPARENTLY BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABORATORY ANIMALS: KIDNEY DAMAGE

OVEREXPOSURE TO COMPONENTS HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS: LIVER DAMAGE



**EXHIBIT "B"**  
**SPILL CONTROL PROCEDURES**



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**A. PURPOSE AND SCOPE**

- \*A.1 To establish the policy and procedure for preventing, controlling, and reporting of spills or discharges of oil or hazardous substances to the environment in accordance with Company practices and federal, state, and local requirements, including Title 40 of the Code of Federal Regulations - Part 112 (Oil Pollution Prevention).
- \*A.2 The spill prevention and control requirements in this Policy and Procedure are federally mandated guidelines for oil pollution prevention. The Company policy is to also apply these standards, where appropriate, to facilities containing hazardous substances. This is a discretionary application of the standards; however, variations from the standards should be approved by the Area Manager.

**B. CONTENTS**

**C. POLICY**

- C.1 General
- C.2 Bulk Storage Tanks
- C.3 Facility Drainage
- C.4 Transfer Operations, Pumping, and In-Plant Process
- C.5 Facility Tank Car and Tank Truck Loading/Unloading Rack

**D. PROCEDURE**

- D.1 Identifying, Containing and Initial Reporting of a Discharge or Spill of a Hazardous or Toxic Substance
- D.2 Submitting Written Notification of a Discharge or Spill

ATTACHMENT A: Discharge or Spill Containment Procedures and Materials  
ATTACHMENT B: Contractors Available for Discharge or Spill Containment  
ATTACHMENT C: Agencies Requiring Notification

**C. POLICY**

**C.1 GENERAL**

- \*C.1.1 All Company facilities which could discharge or spill oil or hazardous substances which may affect natural resources or present an imminent and substantial danger to the public health or welfare including, but not limited to fish, shellfish, wildlife, shorelines, and beaches are subject to the provisions of this document.
- \*\*C.1.2 Hazardous Substance, for purposes of this procedure, is defined as any chemical or material that has or should have a Material Safety Data Sheet (MSDS); however, hazardous substances are further defined by the following environmental statutes:
- a. Section 101 (M) and Section 102 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA);
  - b. Section 307(a) and Section 311 (b)(2)(A) of the Clean Water Act;
  - c. Section 3001 of the Solid Waste Act (excluding items suspended by Congress);
  - d. Section 112 of the Clean Air Act;
  - e. Section 7 of the Toxic Substance Control Act;

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\*\*Added

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DOCUMENT FORMAT  
FORM NWP 1710 (2-88)

Doc. 1112a



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The term hazardous substance does not include petroleum, including crude oil or any fraction thereof, which is not otherwise specifically listed or designated as a hazardous substance in the first sentence of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).

\*C.1.3 Oil, for the purpose of this document, means oil of any kind or in any form, including but not limited to petroleum, fuel oil, Y grade, mixed products, sludge, oil refuse, and oil mixed with wastes other than dredged spoil (earth and rock). LPG (propane, butane, ethane) are not considered to be oil.

\*C.1.4 Facilities which could discharge or spill oil or hazardous substances into a watercourse must comply with the required federal, state, or local laws and regulations. A discharge includes but is not limited to any spilling, leaking, pumping, pouring, emitting, emptying, or dumping. A watercourse is any perennial or intermittent river, stream, gully, wash, lake, or standing body of water capable of collecting or transporting an oil or hazardous substance.

\*C.1.5 Facilities which are subject to the requirements stated in this policy are as follows:

a. Non-Transportation Related Facilities

- (1) Storage or drip tanks and other aboveground containers (excluding pressurized or inline process vessels) having a capacity in excess of 660 gallons for each single container or an aggregate capacity of 1,321 gallons or more for multiple containers.
- (2) Underground storage facilities having a total capacity in excess of 42,000 gallons.

b. Transportation Related Facilities

- (1) All vehicles, pipeline facilities, loading/unloading facilities, and other mobile facilities which transport oil or hazardous substances.

\*C.1.6 Each Northwest Pipeline location which has facilities subject to paragraph C.1.1 shall have a site specific Spill Prevention Control and Countermeasure Plan (SPCC Plan) which identifies all facilities subject to 40 CFR 112. The plan will also identify all hazardous substance storage vessels at the facility and the spill prevention measures in place to control discharges or spills.

C.1.7 The District Superintendent is responsible for spill prevention. These duties include, but are not limited to, the following:

- a. Instructing personnel in the operation and maintenance of equipment to prevent the discharge of oil.
- b. Conducting briefings for operating personnel in sufficient intervals to assure adequate understanding of the Spill Plan at that facility. Briefings should highlight and describe known discharges or spills, and recently developed precautionary measures.

\*C.1.8 Each individual facility should be inspected, at least annually, by the District Superintendent or designee to determine the potential for discharges or spills of oil or hazardous substances. These inspection reports must be retained for three years. All facilities which have the potential for discharging or spilling oil or hazardous substances into a watercourse are required to have the following preventive measures:

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\*\*Added

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- a. Examination of all tanks, valves and fittings, at least annually, to determine any maintenance requirements.
- b. All tank batteries should, as far as practical, have a secondary means of containment for the entire contents of the largest single tank plus sufficient freeboard in the containment facility to allow for precipitation.
- c. A careful monitoring and inspection program to prevent accidental spills or discharges into watercourses. This includes regular inspection for faulty systems and monitoring line valves and liquid pipelines for leaks or blowouts.

C.1.9 Any field drainage ditches, road ditches, traps, sumps, or skimmers should be inspected at regularly scheduled intervals for accumulation of liquid hydrocarbons or other hazardous substances which may have escaped from small leaks. Any such accumulations should be removed.

C.2 BULK STORAGE TANKS

\*C.2.1 A tank should not be used for storage of oil or hazardous substances unless the material and construction of the tank is compatible with the material stored and conditions of storage such as pressure and temperature. Buried storage tanks must be protected from corrosion by coatings, cathodic protection, or other methods compatible with local soil conditions. Aboveground tanks should be subject to visual inspection for system integrity.

\*\*C.2.2 The District Superintendent should evaluate level monitoring requirements to prevent tank overflow.

\*C.2.3 Leaks which result in loss of oil or hazardous substances from tank seams, gaskets, rivets and bolts sufficiently large to cause accumulation of oil or hazardous substances in diked areas should be promptly corrected.

\*C.2.4 Mobile or portable oil or hazardous substances storage tanks should be positioned or located to prevent the contents from reaching a watercourse. The mobile facilities should be located so their support structure will not be undermined by periodic flooding or washout.

C.3 FACILITY DRAINAGE

C.3.1 Provisions should be made for drainage from diked storage areas where necessary in areas with high precipitation levels. Drainage from dike areas should be restrained by valves or other means to prevent a discharge or spill. Diked areas should be emptied by pumps or ejectors which are manually activated. Valves used for the drainage of diked areas should be of manual design.

\*C.3.2 Rain water may be drained from diked areas providing drainage water does not contain oil or hazardous substances that may cause a harmful discharge. Drain valves must be closed following drainage of diked areas.

\*C.3.3 When possible, plant drainage systems from undiked areas should flow into ponds, lagoons, or catchment basins designed to retain oil or hazardous substances or return the substances to the facility. Any plant drainage system which is not designed to allow flow into ponds, lagoons, or catchment basins should be equipped with a diversion system that could, in the event of a discharge or spill, contain the oil or hazardous substances on the Site.

\*C.3.4 The principal means of containing discharges or spills is the use of dikes which are constructed wherever regulated quantities of oil or hazardous substances have the

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potential of reaching a watercourse. The construction of dikes must meet the following requirements:

- a. Capacity must be at least equivalent to the storage capacity of the largest tank of the battery plus sufficient freeboard to allow for precipitation, or displacement by foreign materials.
- b. Small dikes for temporary containment should be constructed at valves where leaking of oil or hazardous substances develop.
- c. Any dike three feet or higher should have a minimum cross section of two feet at the top.

Other means of containment or spill control include, but are not limited to:

- a. Berms or retaining walls;
- b. Curbing;
- c. Culverting, gutters, or other drainage systems;
- d. Weirs, booms, or other barriers;
- e. Spill diversion ponds or retention ponds;
- f. Sorbent materials

**C.4 TRANSFER OPERATIONS, PUMPING, AND IN-PLANT PROCESS**

- \*C.4.1 Aboveground valves and pipelines should be examined regularly by operating personnel to determine whether there are significant leaks from flange joints, expansion joints, valve glands and bodies, catch pans, pipeline supports, valve locks, and metal surfaces.

**C.5 FACILITY TANK CAR AND TANK TRUCK LOADING/UNLOADING RACK**

- C.5.1 Rack area drainage which does not flow into a catchment basin or treatment facility designed to handle spills should have a quick drainage system for use in tank truck loading and unloading areas. The containment system should have a maximum capacity of any single compartment of a tank car or truck loaded or unloaded in the plant.
- \*C.5.2 Aboveground piping that has potential for damage by vehicles entering the Site should be protected by logically placed warning signs or by concrete-filled pipe barriers.
- \*C.5.3 Loading and unloading areas should be provided with an interlocked warning light, grounding shutdown, physical barrier system, or warning signs to prevent vehicular departure before complete disconnect of flexible or fixed transfer lines. All drains and outlets of any tank car or truck should be closely examined for leakage prior to filling and departure. All drains and outlets which may allow leakage should be tightened, adjusted, or replaced to prevent liquid leakage while in transit.

**D. PROCEDURE**

- \*D.1 IDENTIFYING, CONTAINING AND INITIAL REPORTING OF A DISCHARGE OR SPILL OF OIL OR HAZARDOUS SUBSTANCE

Any Employee

- \*D.1.1 Upon noticing a discharge or spill of an oil or hazardous substance in any quantity initiates immediate containment procedures and notifies District Superintendent.

NOTE: Refer to Attachment A for containment procedures.

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District Superintendent

D.1.2 Contacts Gas Dispatch and Area Manager immediately by telephone and provides the following information:

- a. Name of company facility and/or location of facility and nature of discharge or spill
- b. Description and quantity of substance discharged
- c. Name, title, and telephone number of person initially reporting the discharge or spill and person reporting to Gas Dispatch
- d. Action taken or being taken to mitigate and correct discharge or spill
- e. Water bodies or streams involved
- f. Time and duration of discharge or spill
- g. Outside involvement during discharge or spill (public government agencies, etc.)

Gas Dispatch Personnel

\*D.1.3 Advises the responsible Area Manager and Environmental Services departments immediately by telephone concerning the incident including any incidents reported by persons not employed with the Company.

NOTE: If Gas Dispatch is contacted by a person not employed with the Company, the necessary information is obtained as indicated in D.1.2 and the Area Manager and Environmental Services are immediately contacted to begin containment, reporting and clean-up of the discharge or spill.

\*D.1.4 If Environmental Services cannot be contacted, notifies Barry Swartz, Director, Transmission Services.

Area Manager

D.1.5 Coordinates containment and clean-up of discharge or spill with the District Superintendent.

D.1.6 If the discharge or spill is too large for Company personnel to contain, contacts qualified local contractors for assistance. See Attachment B.

D.1.7 Advises Environmental Services by telephone if emergency containment or clean-up assistance from a state agency or a response team from the U.S. Coast Guard is required.

Environmental Services

\*\*D.1.8 Contacts Legal Department (and Right-of-Way Department, if appropriate) and assesses reporting requirements to state and federal agencies.

\*\*D.1.9 Makes appropriate contacts with U.S. Coast Guard and state agencies when necessary.

\*\*D.1.10 If spill is significant, dispatches Environmental Specialist to scene to oversee cleanup and reporting responsibilities.

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**D.2 SUBMITTING WRITTEN NOTIFICATION OF A DISCHARGE OR SPILL**

District Superintendent

**D.2.1** Completes a written description of the incident as soon as possible after initial notification is given, which should include the following:

- a. Time and date of discharge or spill
- b. Facility name and/or spill location
- c. Type of material spilled
- d. Quantity of material spilled
- e. Area affected
- f. Cause of spill
- g. Special circumstances
- h. Corrective measures taken
- i. Description of repairs made
- j. Preventative measures taken to prevent recurrence.

**D.2.2** Forwards the completed report to Environmental Services and a copy to Legal departments. Retains a copy for future reference.

**NOTE:** Environmental Services, in coordination with the Legal Department, submits written reports to government agencies.

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ATTACHMENT A

## Discharge or Spill Containment Procedures and Materials

Type of Facility where the Discharge or Spill occurs	Containment Procedures	Material Used for Containment
A. Oil Pipeline (as defined in C.1.3)	<ol style="list-style-type: none"><li>1. Closes appropriate block valves.</li><li>2. Contains discharge or spill by: ditching covering, applying sorbents, constructing</li><li>3. If burning is required, obtains approval from the appropriate state air quality control government agencies before burning.</li></ol>	<ol style="list-style-type: none"><li>1. Straw</li><li>2. Loose Earth</li><li>3. Oil Sorbent - 3M Brand</li><li>4. Plain Wood Chips</li><li>5. Sorb - Oil Chips - Santa Co.</li><li>6. Sorb - Oil Swabs - Santa, Co.</li><li>7. Sorb - Oil Mats - Santa Co.</li></ol>
B. Vehicle	<ol style="list-style-type: none"><li>1. Contains discharge or spill by: ditching covering surface with dirt, constructing earthen dams, applying sorbents, or burning.</li><li>2. Notifies immediately the Compliance and Safety Department and if there is any imminent danger to local residents notifies immediately the highway patrol or local police officials.</li><li>3. If burning is required, obtains approval from the appropriate state air quality control government agencies before burning.</li></ol> <p><b>**NOTE:</b> Any vehicle carrying any hazardous or toxic substance will carry a shovel or other ditching device to contain a spill. If the vehicle has sufficient room, sorbent materials should also be carried.</p>	
C. Bulk Storage Tanks or any other Facilities	<ol style="list-style-type: none"><li>1. Contains discharge or spill by: ditching, covering, applying sorbents, constructing an earthen dam, or burning.</li><li>2. If burning is required, obtains approval from the appropriate state air quality control government agencies before burning.</li></ol>	

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## ATTACHMENT B

## \*Contractors Available for Discharge or Spill Containment

COLORADO		
Contractor Name	Address	Telephone Number
G. R. Spencer Contractors	2200 East 114th Avenue, Suite 209 Thornton, CO 80233	303-484-2616
Ecology and Environment, Inc. (Mike Peceny)	1776 South Jackson Street Denver, CO 80210	303-757-4984
John Bunning Transfer	2473 Commerce Blvd. Grand Junction, CO 80505	303-245-5631
Smith Welding and Construction Company, Inc.	P.O. Box 1834 880 25 Road Grand Junction, CO 81502	303-242-4306
Western Engineers, Inc.	2150 U.S. 6 and 50 Grand Junction, CO 81505	303 242-5202
W. C. Streigel, Inc.	P.O. Box 860 17030 State Hwy 64 Rangely, CO 81648	303-675-8444 303-675-8749

IDAHO		
Contractor Name	Address	Telephone Number
Envirosafe Services of Idaho	1602 West Franklin Boise, Idaho	208-384-1500

NEW MEXICO		
Contractor Name	Address	Telephone Number
Four-Four (Burney Strunk)	P.O. Box 821 Farmington, NM 87401	505-327-6041 505-632-2680 (eves.)
Four-Way Co., Inc.	4816 East Main Farmington, NM 87401	505-327-0401
P & A Construction	Bloomfield, NM	505-632-8081
Rosenbaum Construction	Box 2308 Artec Highway Farmington, NM 87401	505-325-6367

OREGON		
Contractor Name	Address	Telephone Number
Pegasus Waste Management	30250 S.W. Parkway Avenue Wilsonville, OR 97070	503-682-5802
Riedel Environmental Services, Inc.	Floor of N. Portsmouths Portland, OR 97203	503-286-4656

Available for all NWP locations)

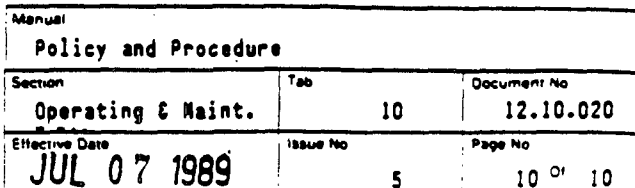
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**ATTACHMENT C**

### Agencies Requiring Notification

**State of Colorado**  
Water Quality Control Division . . . . (business hours) . . . . 1-303-331-4570  
. . . . (night) . . . . . 1-303-370-9395

**State of Idaho**  
**State Emergency Services Division . . . . . 1-800-632-8000**  
**Emergency and Poison Control Center (Outside Idaho) . . . . . 1-208-334-2241**

State of New Mexico  
Department of Environmental Improvement . . . . . 1-505-827-9329

State of Oregon  
Emergency Services Division . . . . . 1-800-452-0311  
(Outside Oregon) . . . . . 1-503-378-4124

State of Utah  
Environmental Health - Emergency Response (24 hour) . . . . . 1-801-538-6333

State of Washington  
Department of Ecology . . . . . (24 hour) . . . . . : 206-753-2353

State of Wyoming  
Water Quality Div. - Dept. of Environmental Quality . (24 hour) . :-307-777-7781

United States Coast Guard . . . . . 1-800-424-8802

**\*\*NOTE:** If a spill or discharge is the result of a vehicular accident the Highway Patrol or local police officials should be immediately notified. If imminent danger to local residents exists, state and/or local agencies; and available Company personnel should be used to notify the residents immediately.

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Effective Date JUL 07 1989	Issue No 5	Page No 9 of 10

Subject or Title

DISCHARGES OR SPILLS OF OIL OR HAZARDOUS SUBSTANCES: Preventing, Controlling and Reporting ofATTACHMENT B (Continued)

## Contractors Available for Discharge or Spill Containment

UTAH		
Contractor Name	Address	Telephone Number
A. L. Berna Construction	P.O. Box 8 Moab, UT 84532	801-259-5361
JBCO	Wagner Subdivision Moab, UT 84532	801-259-5318 801-259-8952
North American Environmental, Inc. (PCB Cleanup Work)	P.O. Box 1181 Bldg. G-9, Freeport Center Clearfield, UT 84016	801-776-0878
Ted Miller Company	3809 South 300 West Salt Lake City, UT 84115	801-268-1093

WASHINGTON		
Contractor Name	Address	Telephone Number
CES ChemPro, Inc.	3400 East Marginal Ways Seattle, WA 98134	206-682-4849 Emergency Phone Number
North American Environmental, Inc.	2432 East 11th Street Tacoma, WA 98421	206-272-9988
Northwest Enviroservice	P.O. Box 24443 Seattle, WA	206-622-1090
Oil Spill Service, Inc.	P.O. Box 548 Kirkland, WA 98033	206-823-6500

WYOMING		
Contractor Name	Address	Telephone Number
Eiden Construction & Roustabout Service	Marbleton, WY	307-276-3413
Flint Engineering and Const. Co. (Mike Kovern)	Box 807 Evanston, WY 82930	307-789-9396
Martin's Roustabout	Big Piney, WY (Martin Douglas)	307-276-3625 or 307-276-3626
Persh's Water Service	Big Piney, WY (Persh Puntaney)	307-276-3210
Skyline Construction	Big Piney, WY (Rod Bennett)	307-276-3383

\*Revised  
\*\*Added

Supersedes Division Policy and Procedure 12.10.020 dated October 10, 1985

Approval (Page 1 Only)	Approval (Page 1 Only)	Approval (Page 1 Only)
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## RULE 116

### NOTIFICATION OF FIRE, BREAKS, LEAKS, SPILLS, AND BLOWOUTS

The Division shall be notified of any fire, break, leak, spill, or blowout occurring at any injection or disposal facility or at any oil or gas drilling, producing, transporting, or processing facility in the State of New Mexico by the person operating or controlling such facility.

"Facility," for the purpose of this rule, shall include any oil or gas well, any injection or disposal well, and any drilling or workover well; any pipeline through which crude oil, condensate, casinghead or natural gas, or injection or disposal fluid (gaseous or liquid) is gathered, piped, or transported (including field flow-lines and lead-lines but not including natural gas distribution systems); any receiving tank, holding tank, or storage tank, or receiving and storing receptacle into which crude oil, condensate, injection or disposal fluid, or casinghead or natural gas is produced, received, or stored; any injection or disposal pumping or compression station including related equipment; any processing or refining plant in which crude oil, condensate, or casinghead or natural gas is processed or refined; any tank or drilling pit or slush pit associated with oil or gas well or injection or disposal well drilling operations or any tank, storage pit, or pond associated with oil or gas production or processing operations or with injection or disposal operations and containing hydrocarbons or hydrocarbon waste or residue, salt water, strong caustics or strong acids, or other deleterious chemicals or harmful contaminants.

Notification of such fire, break, leak, spill, or blowout shall be in accordance with the provisions set forth below:

1. Well Blowouts. Notification of well blowouts and/or fires shall be "immediate notification" described below. ("Well blowout" is defined as being loss of control over and subsequent eruption of any drilling or workover well, or the rupture of the casing, casinghead, or wellhead or any oil or gas well or injection or disposal well, whether active or inactive, accompanied by the sudden emission of fluids, gaseous or liquid, from the well.)
2. "Major" Breaks, Spills, or Leaks. Notification of breaks, spills, or leaks of 25 or more barrels or crude oil or condensate, or 100 barrels or more of salt water, none of which reached a watercourse or enters a stream or lake, breaks, spills, or leaks in which one or more barrels of crude oil or condensate or 25 barrels or more of salt water does reach a watercourse or enters a stream or lake; and breaks, spills, or leaks of hydrocarbons or hydrocarbon waste or residue, salt water, strong caustics or strong acids, gases, or other deleterious chemicals or harmful contaminants of any magnitude which may with reasonable probability endanger human health or result in substantial damage to property, shall be "immediate notification" described below.

3. "Minor" Breaks, Spills, or Leaks. Notification of breaks, spills, or leaks of 5 barrels or more but less than 25 barrels of crude oil or condensate, or 25 barrels or more but less than 100 barrels of salt water, none of which reaches a watercourse or enters a stream or lake, shall be "subsequent notification" described below.
4. Gas Leaks and Gas Line Breaks. Notification of gas leaks from any source or of gas pipeline breaks in which natural or casinghead gas of any quantity has escaped or is escaping which may with reasonable probability endanger human health or result in substantial damage to property shall be "immediate notification" described below. Notification of gas pipeline breaks or leaks in which the loss is estimated to be 1000 or more MCF of natural or casinghead gas but in which there is no danger to human health nor of substantial damage to property shall be "subsequent notification" described below.
5. Tank Fires. Notification of fires in tanks or other receptacles caused by lightning or any other cause, if the loss is, or it appears that the loss will be, 25 or more barrels of crude oil or condensate, or fires which may with reasonable probability endanger human health or result in substantial damage to property, shall be "immediate notification" as described below. If the loss is, or it appears that the loss will be at least 5 barrels but less than 25 barrels, notification shall be "subsequent notification" described below.
6. Drilling Pits, Slush Pits, and Storage Pits and Ponds. Notification of breaks and spills from any drilling pit, slush pit, or storage pit or pond in which any hydrocarbon or hydrocarbon waste or residue, strong caustic or strong acid, or other deleterious chemical or harmful contaminant endangers human health or does substantial surface damage, or reaches a watercourse or enters a stream or lake in such quantity as may with reasonable probability endanger human health or result in substantial damage to such watercourse, stream, or lake, or the contents thereof, shall be "immediate notification" as described below. Notification of breaks or spills of such magnitude as to not endanger human health, cause substantial surface damage, or result in substantial damage to any watercourse, stream, or lake, or the contents thereof, shall be "subsequent notification" described below, provided however, no notification shall be required where there is no threat of any damage resulting from the break or spill.

IMMEDIATE NOTIFICATION. "Immediate Notification" shall be as soon as possible after discovery and shall be either in person or by telephone to the district office of the Division district in which the incident occurs, or if the incident occurs after normal business hours, to the District Supervisor, the Oil and Gas Inspector, or the Deputy Oil and Gas Inspector. A complete written report ("Subsequent Notification") of the incident shall also be submitted in duplicate to the appropriate district office of the Division within ten days after discovery of the incident.

SUBSEQUENT NOTIFICATION. "Subsequent Notification" shall be a complete written report of the incident and shall be submitted in duplicate to the district office of the Division district in which the incident occurred within ten days after discovery of the incident.

CONTENT OF NOTIFICATION. All reports of fires, breaks, leaks, spills, or blowouts, whether verbal or written, shall identify the location of the incident by quarter-quarter, section, township, and range, and by distance and direction from the nearest town or prominent landmark so that the exact site of the incident can be readily located on the ground. The report shall specify the nature and quantity of the loss and also the general conditions prevailing in the area, including precipitation, temperature, and soil conditions. The report shall also detail the measures that have been taken and are being taken to remedy the situation reported.

WATERCOURSE, for the purpose of this rule, is defined as any lake-bed or gully, draw, stream bed, wash, arroyo, or natural or man-made channel through which water flows or has flowed.

**State of New Mexico  
Energy and Minerals Department**

**OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504**

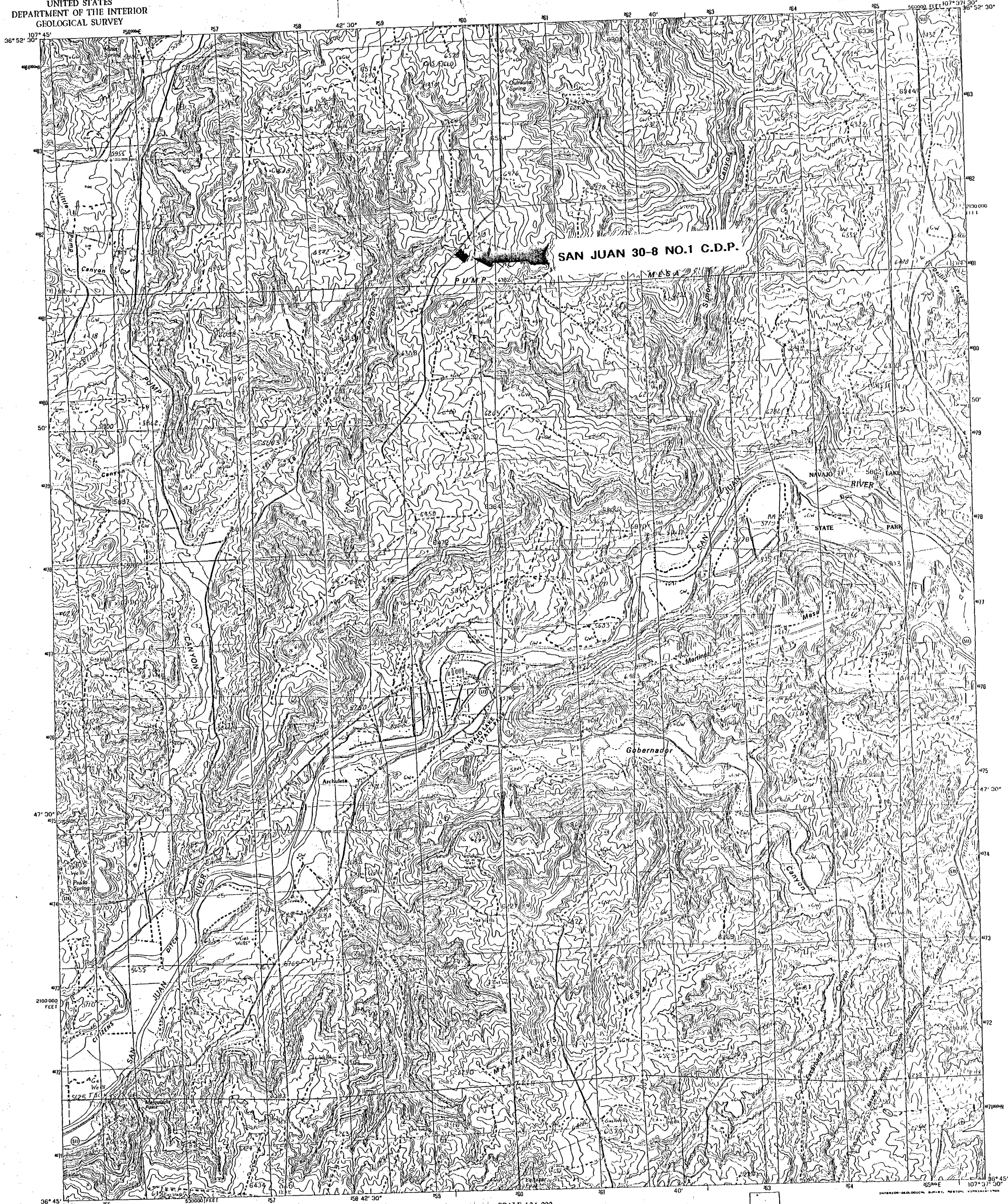
**NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS**

Name of Operator					Address				
Report of	Fire	Break	Spill	Leak	Blowout	Other*			
Type of Facility	Drig Well	Prod Well	Tank Btty	Pipe Line	Gaso Pnt	Oil Rty	Other*		
Name of Facility									
Location of Facility (Quarter/Quarter Section or Footage Description)					Sec.	Twp.	Rge.	County	
Distance and Direction From Nearest Town or Prominent Landmark									
Date and Hour of Occurrence					Date and Hour of Discovery				
Was Immediate Notice Given?	Yes	No	Not Required	If Yes, To Whom					
By Whom					Date and Hour				
Type of Fluid Lost					Quantity of Loss	_____ BO _____ BW	Volume Recovered	_____ BO _____ BW	
Did Any Fluids Reach a Watercourse?		Yes	No	Quantity					
If Yes, Describe Fully**									
Describe Cause of Problem and Remedial Action Taken**									
Describe Area Affected and Cleanup Action Taken**									
Description of Area	Farming	Grazing	Urban	Other*					
Surface Conditions	Sandy	Sandy Loam	Clay	Rocky	Wet	Dry	Snow		
Describe General Conditions Prevailing (Temperature, Precipitation, Etc.)**									
I Hereby Certify That the Information Above is True and Complete to the Best of My Knowledge and Belief									
Signed		Title			Date				

\*Specify

\*\*Attach Additional Sheets if Necessary





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CONTROL BY ...  
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN ...  
FIELD CHECKED ...  
GRID ...  
ROAD-FOOT STATE GRID TICKS ...  
UTM GRID DECLINATION ...  
UTM MAGNETIC NORTH DECLINATION ...  
To place on the predicted North American Datum of 1983,  
move the projection lines as shown by dashed corner ticks  
(2 meters north and 55 meters east)  
There may be private inholdings within the boundaries of any  
Federal and State Reservations shown on this map  
All marginal data and lettering generated and positioned by  
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PROVISIONAL MAP  
Produced from original  
manuscript drawings. Infor-  
mation shown as of date of  
field check. 2

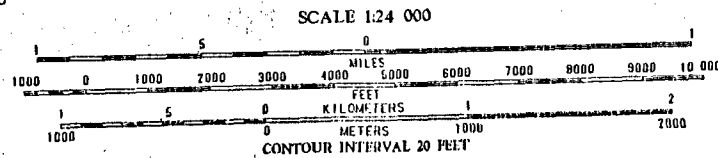


EXHIBIT 1

THIS MAP COMPLETES THE TRACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225  
OR RESTON, VIRGINIA 22092

QUADRANGLE LOCATION							
1	2	3	4	5	6	7	8
ADJOINING 15 QUADRANGLE NAMES							

ROAD LEGEND  
Improved Road  
Unimproved Road  
Trail  
Interstate Route U.S. Route State Route

ARCHULETA, NEW MEXICO  
PROVISIONAL EDITION 1985

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