GW - 149

GENERAL CORRESPONDENCE

YEAR(S):
2006 - 1992

RECEIVED
2007 NOV 13 AM 11 55

Environmental Department
188 County Road 4900
Bloomfield, NM 87413
505/632-4625
505/632-4781 Fax

November 7, 2007

Mr. Leonard Lowe
Oil Conservation Division, EMNRD
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Update to Williams Four Corners, LLC OCD Discharge Plans

Dear Mr. Lowe,

Williams Four Corners, LLC (Williams) would like to update the "Description of Final Disposition" for wastes generated at its facilities, and to include clarification of sources of waste streams not previously specified in its existing OCD Discharge Plans. These items are discussed in Table 1, "Storage and Disposal of Process Fluids, Effluent and Waste Solids", and Table 2, "Source, Quantity, and Quality of Effluent and Waste Solids", in each of Williams' current facility-specific OCD Discharge Plans. (Note that in older plans, these table numbers are reversed).

More specifically, the updates to Table 1 include replacing language that stated waste would be disposed at a "NMOCD-approved" or simply "approved" disposal facility with text that states waste will be disposed at "any state, federal, or tribal agency to receive industrial solid waste. Any waste that is determined to be hazardous as defined by 40 CFR 260-265 will be disposed only at a facility permitted to accept such hazardous waste." Recently, Williams has had some difficulty using NMED-approved disposal sites due to the current language.

Updates to Table 2 include expanding the "Source" of "Used Process Filters" to include amine filters, charcoal, activated carbon, and molecular sieve in addition to the air, inlet, fuel, fuel gas and glycol filters typically included in the Discharge Plans. Additionally, the "Source" of "Condensate and/or Produced Water" has been expanded to include the inlet scrubber, gas inlet separator, and dehydrators. These changes are included for clarification purposes only and provide a more descriptive list of waste that may be generated at the facilities. All of the items listed are related to existing processes at the facilities.

Please see the attached Table 1 and Table 2, from the recent OCD Discharge Plan renewal application for Williams' Rosa Compressor Station, for an example of how the updates apply at a typical Williams' facility. The updated information is indicated by bold text. We will update this information in each OCD Discharge Plan as it comes up for renewal. In the meantime, we request that the updates described herein are effective immediately for the sites listed below upon your receipt of this letter.

Five Points (GW-078)
29-6#2 (GW-121)
29-6#3 (GW-198)
29-6#4 (GS-122)
30-5 (GW-108)
31-6 (GW-118)
32-7 (GW-117)
32-8#2 (GW-111)
32-8#3 (GW-116)
32-9 (GW-091)
Aztec (GW-155)
Blanco (GW-327)
Cabresto (GW-352)
Carracas (GW-112)
Cedar Hill (GW-087)
Chaco (GW-331)
Coyote (GW-250)
Crouch Mesa (GW-129)
Culpepper (GW-353)
Decker Junction (GW-134)
Dogie (GW-330)
El Cedro (GW-149)
Glade (GW-321)
Hare (GW-343)
Honolulu (GW-315)
Horse Canyon (GW-061)
Horton (GW-323)
Kernaghan (GW-271)
La Cosa (GW-187)
Laguna Seca (GW-307)
La Jara (GW-223)
Lateral N-30 (GW-256)
Lawson Straddle (GW-322)
Lybrook (GW-047)
Manzanares (GW-062)
Martinez (GW-308)
Middle Mesa (GW-064)
Milagro (GW-060)
Navajo (GW-182)
North Crandell (GW-310)
Pipkin (GW-120)
Pritchard (GW-274)
Pump Mesa (GW-063)
Quintana Mesa (GW-309)
Richardson (GW-320)
Sims Mesa (GW-068)
Snowshoe (GW-287)
Thompson (GW-328)
Trunk A (GW-248)
Trunk B (GW-249)
Trunk C (GW-257)
Trunk L (GW-180)
Trunk M (GW-181)
Trunk N (GW-306)
Wildhorse (GW-079)

These updates are not significant and do not pose a hazard to public health or undue risk to property. These facilities do not discharge wastewater to surface or subsurface waters. All wastes generated at these facilities are temporarily stored in tanks or containers.

Respectfully submitted,

David Bays
Senior Environmental Specialist

Attachment

Table 1
Transfer, Storage and Disposal of Process Fluids, Effluent and Waste Solids

PROCESS FLUID/WASTE	STORAGE	STORAGE CAPACITY (approximate)	CONTAINMENT/ SPILL PREVENTION	RCRA STATUS	DESCRIPTION OF FINAL DISPOSITION
Used Oil	Above Ground Storage Tank	500 gal*	Berm or concrete pad and wastewater system	Non-exempt	May be hauled to a Williams or contractor consolidation point before transport to EPA-registered used oil marketer for recycling.
Produced Water/Natural Gas Condensate	Above Ground Storage Tank	300 bbl 120 bbl 40 bbl	Berms	Exempt	Saleable liquids may be sold to refinery. The remaining liquids may be transported to a Williams' evaporation facility or may be disposed at **any facility permitted by any state, federal, or tribal agency to receive industrial solid waste. Any waste that is determined to be hazardous as defined by 40 CFR 260-265 will be disposed only at a facility permitted to accept such hazardous waste.**
Wash-down Water	Below Grade Sump, vaulted	70 bbl 45 bbl	Dual-walled tanks	Non-exempt	Contractor may pump wash water back into truck after washing; water may be transported to **any facility permitted by any state, federal, or tribal agency to receive industrial solid waste;** or evaporation at Williams' facility may be considered. **Any waste that is determined to be hazardous as defined by 40 CFR 260-265 will be disposed only at a facility permitted to accept such waste.**
Used Oil Filters	Drum or other container	Varies	Transported in drum or other container	Non-exempt	Transported to a Williams or contractor consolidation point, drained, and ultimately transported for disposal at any facility permitted by **any state, federal, or tribal agency to receive industrial solid waste. Any waste that is determined to be hazardous as defined by 40 CFR 260-265 will be disposed only at a facility permitted to accept such hazardous waste.** A Waste Acceptance Profile will be filed with the disposal facility as necessary. Recycling options may be considered when available.
Used Process Filters	Drum or other container	Varies	Transported in drum or other container	Exempt	Transported to a Williams or contractor consolidation point, drained, and ultimately transported for disposal at **any facility permitted by any state, federal, or tribal agency to receive industrial solid waste. Any waste that is determined to be hazardous as defined by 40 CFR 260-265 will be disposed only at a facility permitted to accept such hazardous waste.** A Waste Acceptance Profile will be filed with the disposal facility as necessary. Recycling options may be considered when available.
Spill Residue (e.g., soil, gravel, etc.)	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.
Used Absorbents	Drum or other container	Varies	Transported in drum or other container	Non-exempt	Transported to a Williams or contractor consolidation point, drained, and ultimately transported for disposal at **any facility permitted by any state, federal, or tribal agency to receive industrial solid waste. Any waste that is determined to be hazardous as defined by 40 CFR 260-265 will be disposed only at a facility permitted to accept such hazardous waste.** A Waste Acceptance Profile will be filed with the disposal facility as necessary. Recycling options may be considered when available.
Empty Drums / Containers	N/A	N/A	Berm	Non - exempt	Barrels are returned to supplier or transported to a Williams or contractor consolidation point and ultimately recycled/disposed consistent with applicable regulations.
Antifreeze	Above Ground Storage Tank		Berm or concrete pad and wastewater system	N/A	Off-spec material recycled or disposed consistent with applicable regulations.
Glycol	Above Ground Storage Tank	500 gal* 125 gal* 100 gal*	Berm or concrete pad and wastewater system	N/A	Off-spec material recycled or disposed consistent with applicable regulations.
Lube Oil	Above Ground Storage Tank	500 gal*	Berm or concrete pad and wastewater system	N/A	Off-spec material recycled or disposed consistent with applicable regulations.

*Number of tanks installed dependent on number of engines and dehydrators installed on site. Engines and dehydrators are installed or removed to meet demand.

Table 2
Source, Quantity, and Quality of Effluent and Waste Solids

PROCESS FLUID / WASTE	SOURCE	QUANTITY (Ranges)	QUALITY
Produced Water/Natural Gas Condensate	**Inlet Scrubber, Gas Inlet Separator, Dehydrators**	2000-8000 bbl/year	No Additives
Waste Water /Wash Down Water	Compressor and Dehy Skids	100-5000 gal/year/unit	Biodegradable soap and tap water with traces of used oil
Used Oil	Compressors	500-2000 gal/year/engine	Used Motor Oil w/ No Additives
Used Oil Filters	Compressors	50-500/year/engine	No Additives
Used Process Filters	**Charcoal, Activated Carbon, Molecular Sieve**	**50-500 cubic yd/yr**	**No Additives**
Used Process Filters	**Air, Inlet, Fuel, Fuel Gas, Glycol, Amine, Ambitrol**	75-500/year	No Additives
Empty Drums/Containers	Liquid Containers	0-80/year	No Additives
Spill Residue (i.e. soil, gravel, etc)	Incidental Spill	Incident Dependent	Incident Dependent
Used Adsorbents	Incidental Spill/Leak Equipment Wipe-down	Incident Dependent	No Additives

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,

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

September 1, 2004

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
El Cedro	GW-149	07/26/2004	Passed	
Honolulu	GW- 315	08/05/2004	Passed	Visual inspection, piping above ground
Kutz #1 & #2	GW-045	07/16/2004	Passed	Test done on multiple days
Navajo	GW-182	07/28/2004	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

Williams

LOCATION:	El Cedro
DATE:	7-26-04
Sec, Range and Township	Sec 31 T29N R5W

START OF WATER FILL:	DATE:	7-26-04	TIME:	9:00 AM
START OF TEST PERIOD:	DATE:	7-26-04	TIME:	10:30 AM
END OF TEST PERIOD:	DATE:	7-26-04	TIME:	11:30 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	10:30 AM	7'	Holding
2	10:35	7'	
3	10:45	7'	
4	10:50	7'	
5	11:00	7'	
6	11:10	7'	
7	11:15	7'	
8	11:20	7'	
9	11:25	7'	
10	11:30 AM	7'	test Held

Additional Remarks:
This plant has two waste water Systems
This test is on the amine plant South end of plant

TEST IS: ☒ ACCEPTED ☐ REJECTED

RECORDED BY: GARY COLE [signature] SUNLAND (TEST Contractor)

VERIFIED BY: [signature] (LOCATION SUPERVISOR)

APPROVED BY: [signature] (Test Inspector)

Environmental Waste Water Line Test Report

LOCATION:	El Cedro
DATE:	7-23-04
Sec, Range and Township	Sec 31 T29N R5W

START OF WATER FILL:	DATE:	7-23-04	TIME:	9:00 AM
START OF TEST PERIOD:	DATE:	7-23-04	TIME:	2:00 PM
END OF TEST PERIOD:	DATE:	7-23-04	TIME:	3:00 PM

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	2:00 PM	7'1"	Holding
2	2:05	7'1"	
3	2:10	7'1"	
4	2:20	7'1"	
5	2:30	7'1"	
6	2:35	7'1"	
7	2:40	7'1"	
8	2:45	7'1"	
9	2:55	7'1"	
10	3:00 PM	7'1"	Test Held

Additional Remarks:
This plant Has two waste water Systems
This test is on the Comp. Site on the North of plant

TEST IS: ☒ ACCEPTED ☐ REJECTED

RECORDED BY: GARY Cole Gary Cole surveyor (TEST Contractor)

VERIFIED BY: David Gentry (LOCATION SUPERVISOR)

APPROVED BY: Bryant Romney (Test Inspector)

Environmental Waste Water Line Test Report

LOCATION:	Honolulu
DATE:	8-5-04
Sec, Range and Township	Sec 12 T26N R5W

CPS N 36° 30.3
W 107° 18.6

START OF WATER FILL:	DATE:		TIME:	
START OF TEST PERIOD:	DATE:		TIME:	
END OF TEST PERIOD:	DATE:	8-7-04	TIME:	

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			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Additional Remarks:
Note This Site has a Single Comp. The Site waste water System is all Steel and Welded. The piping is all above ground. A Visual Inspection was done on 8-5-04 the System is O.K

TEST IS: ☒ ACCEPTED ☐ REJECTED

RECORDED BY: GARY COLE Gary Cole SUNLAND (TEST Contractor)

VERIFIED BY: Manuel Montano (LOCATION SUPERVISOR)

APPROVED BY: Bryant Bowers (Test Inspector)

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 7/30/03,

or cash received on _____ in the amount of $ 3,400—

from Williams Field Services

for 29-7#1 C.S. GW-136
El Cedro C.S. GW-149
(Facility Name) (OCD No.)

Submitted by: _____ Date: 8-5-03

Submitted to ASD by: _____ Date: _____

Received in ASD by: _____ Date: _____

Filing Fee ___ New Facility ___ Renewal ✓

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment ___

THIS MULTI-TONE 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

[redacted]

DATE 07/30/2003

PAY TO THE ORDER OF

PAY ******$3,400.00

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

SANTA FE NM 87505
United States

Bank One, NA
Illinois

VOID VOID VOID

Authorized Signer

[redacted]

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

August 1, 2003

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

Re: Discharge Plan GW-136 and -149

Dear Mr. Ford:

Enclosed please find the signed copy of the discharge plan conditions for the Williams Field Services (WFS) 29-7 #1 and El Cedro. Also included is check #: 3500013757 to cover the flat fee required by the approval conditions.

Williams Field Services appreciates your assistance in handling these approvals 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

enclosures

Xc: Denny Foust, Aztec, OCD Dist III (without attachments)

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 [illegible]/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 application 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 offsite 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 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

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

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

April 23, 2003

Mr. Jack Ford
New Mexico Oil Conservation Division
Water Quality Management Fund
1220 S St. Francis Dr.
Santa Fe NM 87505

Re: Discharge Plan GW-136 &149 Application Renewal and Filing Fee

Dear Mr. Ford:

Enclosed please find copies of Discharge Plan application renewal and check number 3500002836 for $200.00 to cover the filling fee for the following Williams Field Services (WFS) Compressor Stations:

- 29-7 CDP (GW-136)
- El Cedro Plant (GW-149)

Williams Field Services appreciates your assistance in handling these applications and 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 3/18/03,

or cash received on ______________ in the amount of $ 200—

from Williams Field Services

for 29-7 CDPCS / Elcedra Plant GW-136 GW-149
(Facility Name) (DP No.)

Submitted by: [signature] Date: 4-25-03

Submitted to ASD by: ______________ Date: ______

Received in ASD by: ______________ Date: ______

Filing Fee ✓ New Facility ____ Renewal ✓

Modification ____ Other ______________ (specify)

Organization Code 521.07 Applicable FY 2001

To be deposited in the Water Quality Management Fund.

Full Payment ✓ or Annual Increment ____

THIS MULTI-TONE 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
P. O. Box 21218 * Tulsa, OK 74121-1218

70-2322/719
A/C 9404167

[redacted]

DATE: 03/18/2003

PAY TO THE ORDER OF:

PAY ➔ ********$200.00

NEW MEXICO OIL CONSERVATION DIV
WATER QUALITY MANAGEMENT FUND
2040 S PACHECO

SANTA FE NM 87505
United States

Bank One, NA
Illinois

[signature]
Authorized Signer

[redacted]

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

WQCC 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]

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/ocd/**).

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
& NATURAL RESOURCES DEPARTMENT

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

Z 274 520 538 OCD Ford

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

Sent to I. Deklau	
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, & Address of Address	
TOTAL Postage & Fees	$
Postmark or Date SEP 8 1999	

PS Form 3800, April 1995

SANTA FE NM 87502
SEP 8 1999

September 27, 1999

CERTIFIED MAIL
RETURN RECEIPT NO. Z-274-520-538

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

RE: Site Modifications Notification
GW-149, El Cedro Compressor Station
Rio Arriba County, New Mexico

Dear Ms. Deklau:

The OCD has received the site modification letter, dated September 3, 1999, from Williams Field Services for the El Cedro Compressor Station GW-149 located in the NW/4, Section 31, Township 29 North, Range 5 West, NMPM, Rio Arriba County, New Mexico. The requested addition of two double walled sumps for collection of rain water, washdown water and fluids off turbines is a minor modification to the above referenced discharge plan and public notice will not be issued. **This minor modification to the discharge plan is approved .**

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,

Roger C. Anderson
Bureau Chief, Environmental Bureau
Oil Conservation Division

cc: Mr. Denny Foust - Aztec District Office

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

September 3, 1999

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

Re: Modification to El Cedro Discharge Plan (GW-149)

Dear Mr. Ford,

Please be advised of two new sumps being installed at the Williams Field Services (WFS) El Cedro Plant. Descriptions, drawings, and a site diagram indicating the location of the sumps are attached. Both sumps are double-wall construction.

Sump #1 is located in the treating plant. This sump will collect rain water and washdown water off equipment skids. The capacity of this sump is approximately 294 gallons.

Sump #2 is located at the southwest corner of the turbine building. This sump will collect liquid off the turbines. The capacity of this sump is approximately 368 gallons.

If you have any questions, I can be reached at 801-584-6543. WFS appreciates your assistance in handling this matter.

Sincerely,

Ingrid Deklau
Environmental Specialist

Enclosures

Xc: Denny Foust, Aztec OCD

FROM
BASIN PUMP & SUPPLY CO.
(505) 632-1551 / 1-800-932-1551
(505) 632-9366 FAX
P.O. BOX 1646
BLOOMFIELD, NM 87413

QUOTATION FORM

No. 1707

PLEASE INDICATE THE ABOVE NUMBER WHEN ORDERING

TO Williams Field Service
El Cedro
Attn: Kirk

QUOTATION DATE	SALESPERSON
06/14/99	Mike Titus
INQUIRY DATE	INQUIRY NUMBER

ESTIMATED SHIPPING DATE	SHIP VIA	F.O.B.	TERMS

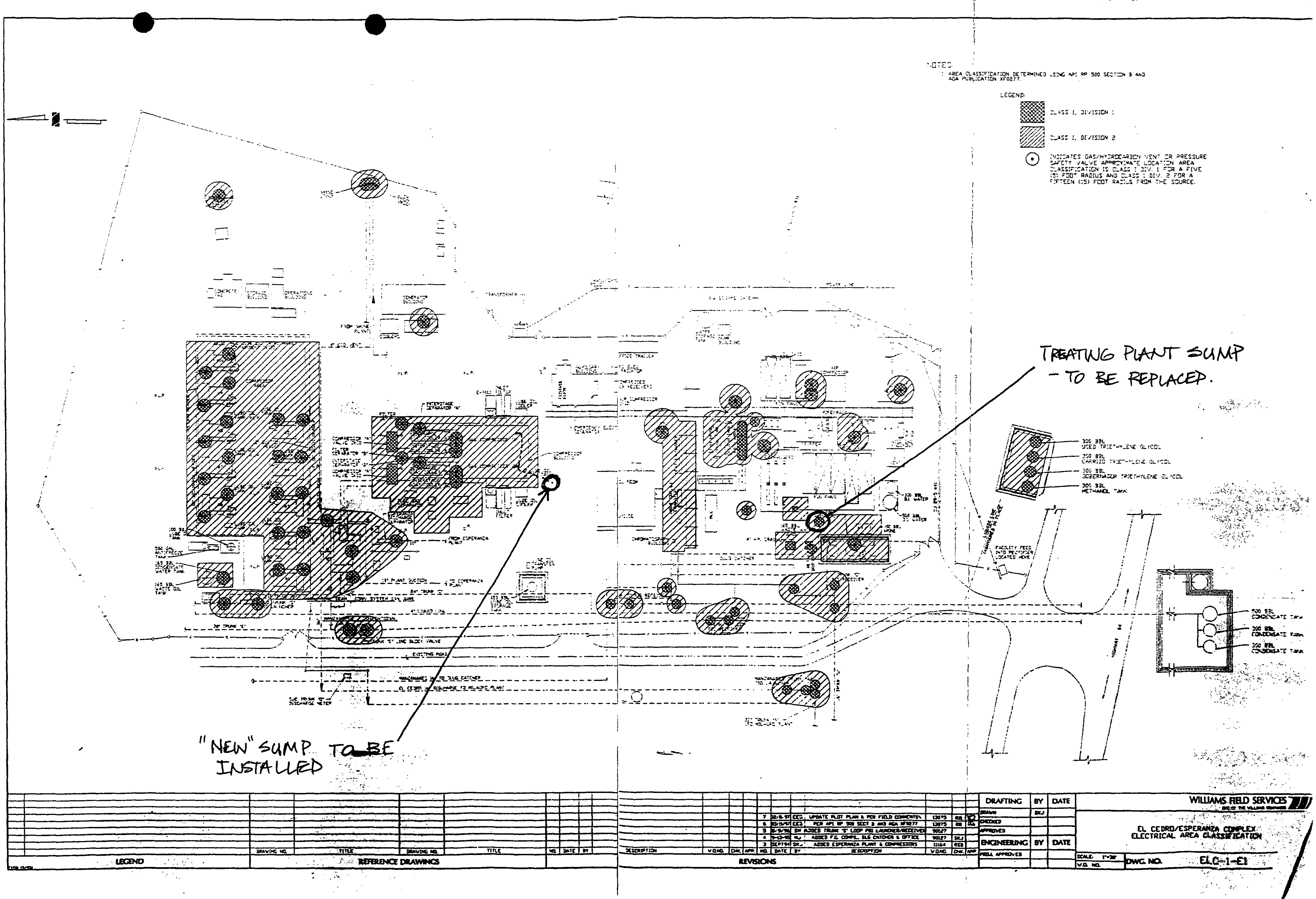
QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	8' x 30" Double Wall Sump Tank		$ 1,658.00
treating plant Sump ~~600~~ 294 gal	w/Pump Mounting Plate on Top 4" Spacing Between Cans, BIMRS 1¼x1" Berkely Pump Skid Mounted w/Baldor 1HP EXP 230V 3PH Elect Motor, Base, Coupling, & Guard		
turbine sump ~368 gal 1	10' x 30" Double Wall Sump Tank Equiped Same as Above		$ 1,818.00
2	Epoxy Tar Coat "Outside Only"	55.00 Ea	110.00
2	Pump Down Float Switches	45.00 Ea	90.00

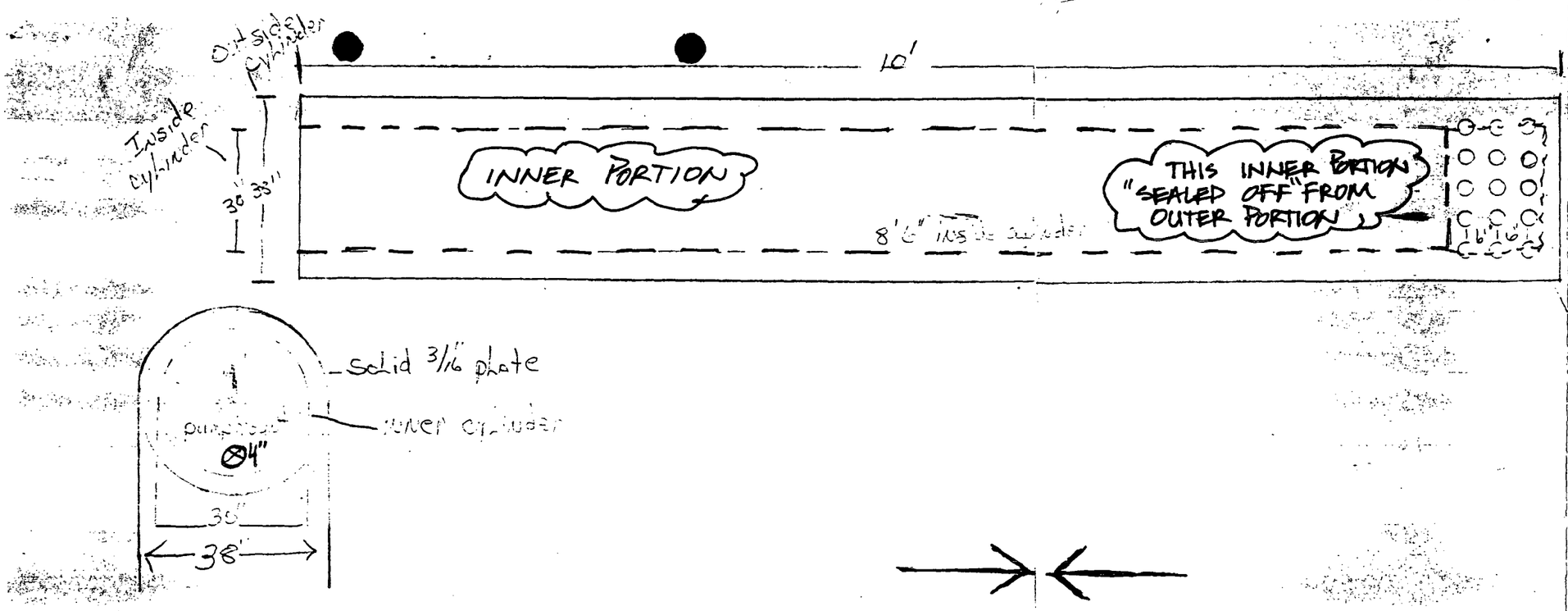
Kirk,
I Did Not Quote Suction Piping Let Me Know What Kind.
Thanks Mike

We are pleased to submit the above quotation for your consideration. Should you place an order, be assured it will receive our prompt attention. This quotation is valid for 30 days. Thereafter it is subject to change without notice.

BY Mike Titus ACCEPTED _____ DATE 06/14/99

Thank You!

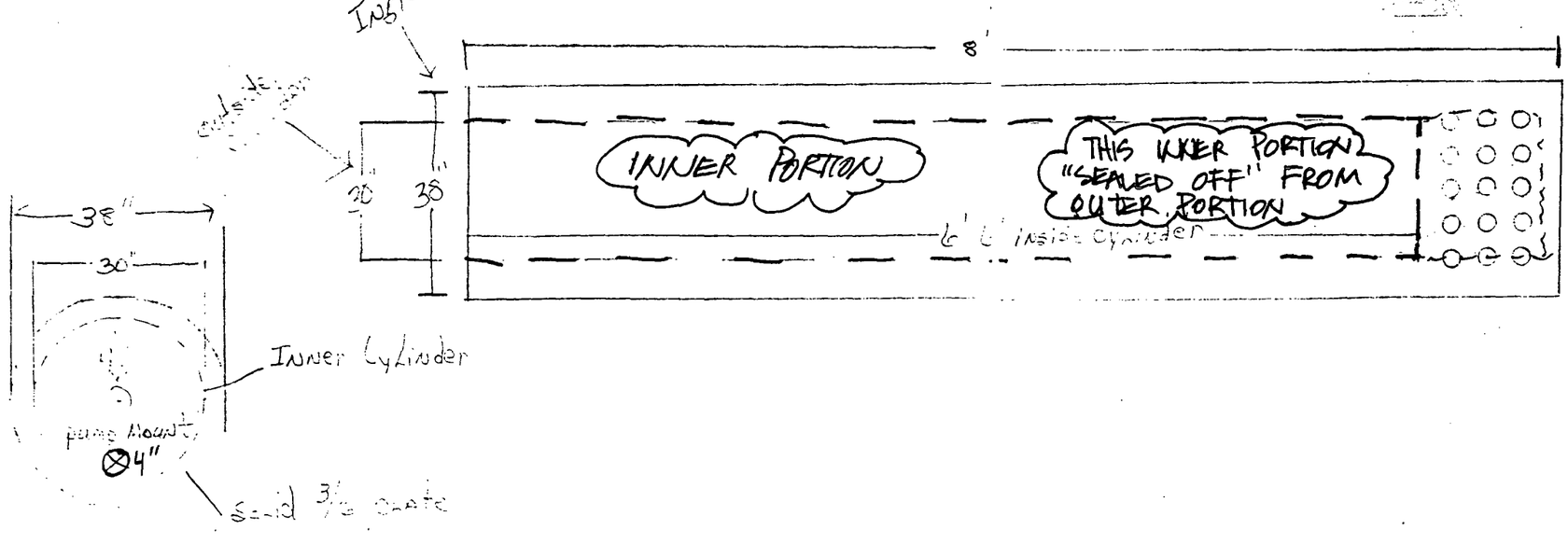

NOTES:
1. AREA CLASSIFICATION DETERMINED USING API RP 500 SECTION 3 AND AGA PUBLICATION XF0277.
LEGEND:
CLASS I, DIVISION 1
CLASS I, DIVISION 2
INDICATES GAS/HYDROCARBON VENT OR PRESSURE SAFETY VALVE APPROXIMATE LOCATION AREA CLASSIFICATION IS CLASS 1 DIV. 1 FOR A FIVE (5) FOOT RADIUS AND CLASS 1 DIV. 2 FOR A FIFTEEN (15) FOOT RADIUS FROM THE SOURCE.
TREATING PLANT SUMP - TO BE REPLACED.
"NEW" SUMP TO BE INSTALLED
300 BBL USED TRIETHYLENE GLYCOL
250 BBL CARRIED TRIETHYLENE GLYCOL
300 BBL CONDENSATE TANK
WILLIAMS FIELD SERVICES
DRAFTING
BY
DATE
DRAWN
SKJ
CHECKED
APPROVED
ENGINEERING
PROJ. APPROVED
EL CEDRO/ESPERANZA COMPLEX
ELECTRICAL AREA CLASSIFICATION
SCALE: 1"=30'
V.O. NO.
DWG. NO.
ELC-1-E1
LEGEND
REFERENCE DRAWINGS
DRAWING NO.
TITLE
REVISIONS
DESCRIPTION
V.O.NO.
CHK.
APP.
NO.
DATE
BY
UPDATE PLOT PLAN & PER FIELD COMMENTS
PER API RP 500 SECT 3 AND AGA XF0277
ADDED TRUNK "S" LOOP PIG LAUNCHER/RECEIVER
ADDED F.G. COMPS., SLG CATCHER & OFFICE
ADDED ESPERANZA PLANT & COMPRESSORS
13075
90127
11164
RR
SKJ
RSB



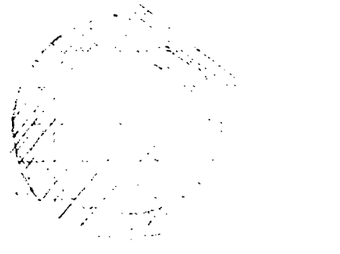
2" perforated holes (outside cylinder only)

*PERFORATIONS DELETED

*OUTER WALL TO PROVIDE A COMPLETE "DUMMY" WALL, SEALED OFF FROM ENVIRONMENT AND INNER WALL.



*PERFORATIONS DELETED



BASIN PUMP
MIKE: 632-1551

Well Sumps

Basin Pump

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

July 22, 1999

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

SENT VIA E-MAIL (rcanderson@state.nm.us)

Re: Possible Land Application of Washdown Water, WFS El Cedro Plant (GW-149)

Dear Mr. Ford,

Due to heavy rains over the last few days in the San Juan Basin, the WFS El Cedro Plant is experiencing unusual quantities of rainwater running off the skids of the dehys and compressors to the washdown water tank. The washdown water tank was pumped dry at 5:00 pm yesterday afternoon, and it is already full after the rainfall last night. As water haulers in the Basin are currently in great demand, WFS would like to notify you of possible on-site land application of the washdown water. If this were to occur, WFS plans to spray the water in such a manner so that it does not pool or pond, nor run off-site. As haulers are currently doing their best to work this WFS site into their schedule, this action would be taken only to prevent the tank from overflowing before a truck can arrive. According to site personnel, rain is in the forecast for Friday and possibly Saturday, so we would like to extend this notification through activity that may occur over the weekend.

The most recent analytical data for washdown water generated at this site was reported in December 1998. Metals and BTEX results are included in the table below.

Parameter	Result (mg/l)
Silver, TCLP	<0.01
Arsenic, TCLP	<0.001
Barium, TCLP	0.197
Cadmium, TCLP	<0.005
Chromium, TCLP	<0.01
Mercury, TCLP	<0.0002
Lead, TCLP	0.092
Selemium, TCLP	<0.002
Benzene	0.045

If you have any questions or would like to discuss this further, I can be reached at 801-584-6543. WFS appreciates your assistance in this matter. An original copy of this letter will follow in the U.S. Mail.

Sincerely,

Ingrid Deklau
Environmental Specialist

Ford, Jack
From: Ford, Jack
Sent: Thursday, July 22, 1999 3:05 PM
To: 'Deklau@energy.twc.com'
Cc: Anderson, Roger; Foust, Denny
Subject: RE: el cedro washdown water

Dear Ms. Deklau:

Williams Field Services' request for emergency surface disposal of washdown water is hereby approved with the following stipulation:

1. There will be no ponding of the disposal water;
2. Disposal water will remain on site.
3. Water will be dispersed utilizing a spraying method.

This emergency approval covers only the present conditions as requested July 22, 1999. Please notify the OCD when this has been completed.

If you have any questions contact me at (505) 827-7156.

Sincerely,

W. Jack Ford
Environmental Bureau
Oil Conservation Division

From: Anderson, Roger
Sent: Thursday, July 22, 1999 2:15 PM
To: Ford, Jack
Subject: FW: el cedro washdown water

From: Deklau, Ingrid[SMTP:IDeklau@energy.twc.com]
Sent: Thursday, July 22, 1999 2:19 PM
To: Anderson, Roger
Subject: el cedro washdown water

<<File: ELC-land-app.doc>>
Roger-
as we discussed, see attached.

if you need any formal notification that we actually proceeded with this activity, please let me know.

thanks,
ingrid
<<ELC-land-app.doc>>

Ford, Jack
From: Ford, Jack
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To: 'Deklau@energy.twc.com'
Cc: Anderson, Roger; Foust, Denny
Subject: RE: el cedro washdown water

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W. Jack Ford
Environmental Bureau
Oil Conservation Division

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Subject: FW: el cedro washdown water

From: Deklau, Ingrid[SMTP:IDeklau@energy.twc.com]
Sent: Thursday, July 22, 1999 2:19 PM
To: Anderson, Roger
Subject: el cedro washdown water

<<File: ELC-land-app.doc>>
Roger-
as we discussed, see attached.

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thanks,
ingrid
<<ELC-land-app.doc>>

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

July 22, 1999

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

SENT VIA E-MAIL (rcanderson@state.nm.us)

Re: Possible Land Application of Washdown Water, WFS El Cedro Plant (GW-149)

Dear Mr. Ford,

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Arsenic, TCLP	<0.001
Barium, TCLP	0.197
Cadmium, TCLP	<0.005
Chromium, TCLP	<0.01
Mercury, TCLP	<0.0002
Lead, TCLP	0.092
Selemium, TCLP	<0.002
Benzene	0.045

If you have any questions or would like to discuss this further, I can be reached at 801-584-6543. WFS appreciates your assistance in this matter. An original copy of this letter will follow in the U.S. Mail.

Sincerely,

Ingrid Deklau
Environmental Specialist

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

July 12, 1999

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

Re: Underground Line Testing Results at Williams Field Services El Cedro Plant (GS-149)

Dear Mr. Ford:

Enclosed, please find a copy of the results of the underground line testing that was performed at the Williams Field Services El Cedro Plant. 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

Figure 8-1. PIPELINE FACILITY TEST REPORT (Front)

WILLIAMS FIELD SERVICES
PIPELINE FACILITY TEST REPORT
FORM WFS 1239 (9-84)

1-WORK ORDER NO.

FACILITY DESCRIPTION

2-NAME OF FACILITY: Elcedro | 3-FACILITY LOCATION: Rio Arriba | AREA: E6 | DISTRICT: | COUNTY/STATE: N.M.

4-FACILITY TYPE: ☐Gathering ☐Line Pipe ☐Hot Tap ☐Fabrication ☒Plant/Station ☐Line Junction ☐Other ☐Transmission ☐Vessel ☐Well setting

3A-SECTION | TOWNSHIP | RANGE | 5-PIPE MANUFACTURER

6-PIPE DATA: DIAMETER 4"+2" | WALL THICKNESS | SPEC. & GRADE Poly | LENGTH OF TEST SECTION 600ft.

7-DESCRIPTION OF PORTION TESTED (FROM-TO): Wastewater Drains in Amine Plant

TEST SPECIFICATIONS

8-TYPE OF TEST: ☐Strength ☒Leak ☐Both

9-TEST STATIONS AND ELEVATION: BEGIN LOCATION | END LOCATION | DEAD WEIGHT; HIGH POINT | LOW POINT | PRESSURE PUMP

10-REASON FOR TEST: ☐New Facility ☐Pre-Test ☐Repair ☐Retest

11-PRESSURE DATA: PRELIMINARY LEAK PRESSURE | BEGIN STATION MINIMUM PRESSURE | END STATION MINIMUM PRESSURE; REQUIRED TEST PRESSURE 3Lbs. | HIGH POINT MINIMUM PRESSURE | LOW POINT MAXIMUM PRESSURE; REQUIRED TEST DURATION 30min. | TEST LIMITATIONS (VALVES, FITTINGS, ETC.) All | TEST MEDIUM Air

TEST RESULTS

12-TEST START: DATE | HOUR | 13-TEST COMPLETED: DATE | HOUR | 14-WEATHER

15-COMMENTS

TIME	D.W. PRESSURE	AMB. TEMP. oF	REMARKS
10:15	5 Lbs.	70°	Put on Test After Repairing Leaks.
11:00	4.5 Lbs.	80°	Bumped Chart & Lost 2 Lbs.
11:05	6.5	82°	Pumped UP TO 6.5 + Bled BACK TO 5 Lbs.
11:30	7 Lbs	85°	Bled Back To 5.5 Lbs.
12:05	7 Lbs	90°	Bled Back To 5.5 Lbs.
12:20	Removed from Test After Depressureing.		

APPROVALS

DATA TAKEN BY: Harvey Rudd | TEST APPROVED BY: | DATE: 6-23-99

TEST WITNESSED BY: | TEST COMPANY: Wildcat Const.

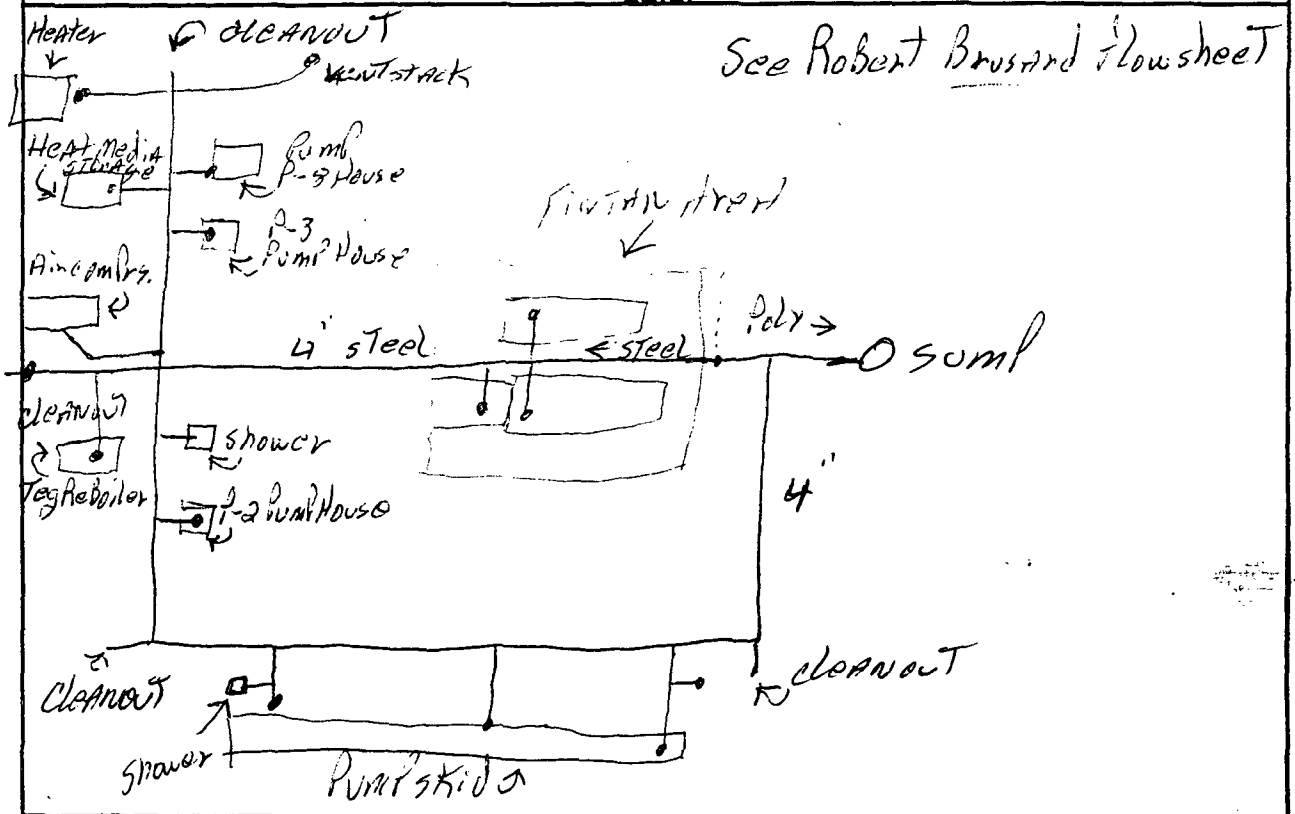
DISTRIBUTION: ORIGINAL-Compliance, SLC COPY--Project Engineer, COPY--Originator

Figure 8-1A. PIPELINE FACILITY TEST REPORT (Back)

WILLIAMS FIELD SERVICES

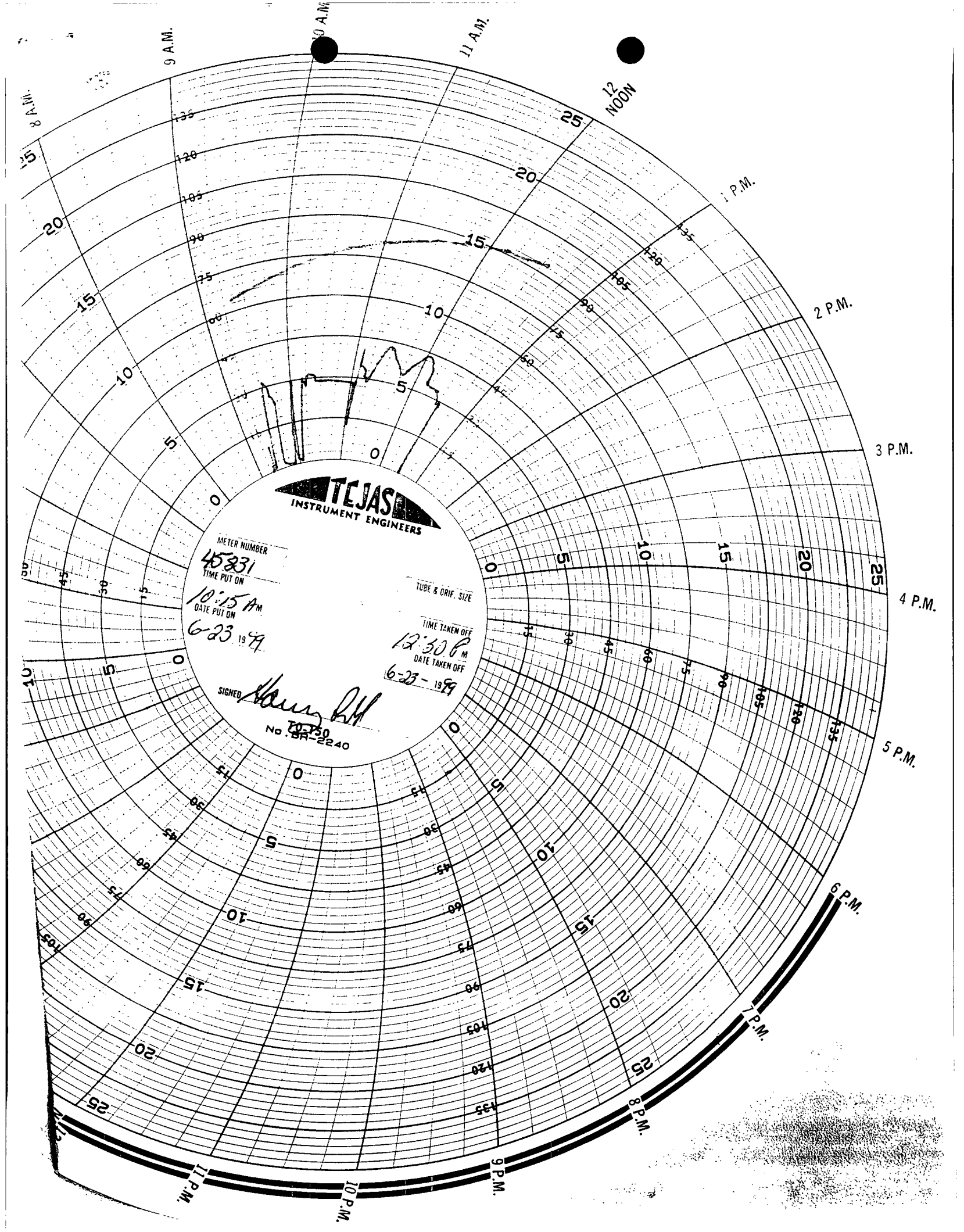
PIPELINE FACILITY TEST REPORT (Continued)

SKETCH



PRESSURE VOLUME TABLE

PRESSURE	VOLUME	DIFF.	PRESSURE	VOLUME	DIFF.	PRESSURE	VOLUME	DIFF.


TEJAS
INSTRUMENT ENGINEERS
METER NUMBER
45231
TIME PUT ON
10:15 AM
DATE PUT ON
6-23 1979
TUBE & ORIF. SIZE
TIME TAKEN OFF
12:30 PM
DATE TAKEN OFF
6-23 - 1979
SIGNED
No. BA-2240
8 A.M.
9 A.M.
10 A.M.
11 A.M.
12 NOON
1 P.M.
2 P.M.
3 P.M.
4 P.M.
5 P.M.
6 P.M.
7 P.M.
8 P.M.
9 P.M.
10 P.M.
11 P.M.

Measurement

SAN JUAN MEASUREMENT

CERTIFICATION OF PHYSICAL MEASURING INSTRUMENTS
HYDRAULIC DEADWEIGHT TEST CERTIFICATE
0.025% I.V. MASTER ACCURACY LEVEL GUARANTEED

DATE : 6-22-99 CUSTOMER : S.J.M.S. RENTAL ONLY
TYPE : BARTON 242E DISTRICT : SAN JAUN BASIN
PRESSURE RANGE: 0-25 PSIG TEMP. RANGE : N.A.
SERIAL NUMBER: # 45831 P.O. NO. :
TEST REF TEMP. 20 DEG. C RECAL DATE : 12-22-99

PRESSURE STANDARDS REFERENCEDTO N.I.S.T. (P-8365) (P-8109) (P-8085)
N.I.S.T. MASS REPORT REF. NO.(106354 106354A 106354B)
PRESSURE REFERENCED @ 980.665 cm/sec. 2 Gravity

PRESSURE APPLIED	STATIC READING	JOFFRA READING	TEMPERATURE READING
2.5	2.5	15.0	15.0
5.0	5.0	30.0	30.0
7.5	7.5	45.0	45.0
10.00	10.00	60.0	60.0
12.50	12.50	75.0	75.0
15.00	15.00	90.0	90.0
17.50	17.50	105.00	105.00
20.00	20.00	120.00	120.00
22.50	22.50	135.00	135.00
25.00	25.00	150.00	150.00

ATTESTED BY : [signature]

TECHNICIAN

#63 Ct. Rd. 5295, Farmington, NM 87401 • P.O. Box 2472, Bloomfield, NM 87413 • Phone (505) 632-8864 • Fax (505) 632-0602

Figure 8-1. PIPELINE FACILITY TEST REPORT (Front)

WILLIAMS FIELD SERVICES
PIPELINE FACILITY TEST REPORT
FORM WFS 1239 (9-84)

1-WORK ORDER NO. 99070

FACILITY DESCRIPTION

2-NAME OF FACILITY | 3-FACILITY LOCATION Bloomfield | AREA | DISTRICT Rio Arriba | COUNTY/STATE N.M

4-FACILITY TYPE: ☐Gathering ☐Line Pipe ☐Hot Tap ☐Fabrication ☐Tank/Station ☐Line Junction ☐Other ☐Transmission ☐Vessel ☐Well setting

5A-SECTION | TOWNSHIP | RANGE | 5-PIPE MANUFACTURER

6-PIPE DATA: DIAMETER 4"+2" | WALL THICKNESS | SPEC & GRADE Poly | LENGTH OF TEST SECTION 1000ft

7-DESCRIPTION OF PORTION TESTED (FROM-TO) Wastewater Drain System from Recvrs.

TEST SPECIFICATIONS

8-TYPE OF TEST: ☐Strength ☑Leak ☐Both | 9-TEST STATIONS AND ELEVATION | BEGIN LOCATION | END LOCATION | DEAD WEIGHT

10-REASON FOR TEST: ☐New Facility ☐Pre-Test ☐Repair ☐Retest | HIGH POINT | LOW POINT | PRESSURE PUMP

11-PRESSURE DATA

PRELIMINARY LEAK PRESSURE	BEGIN STATION MINIMUM PRESSURE	END STATION MINIMUM PRESSURE
REQUIRED TEST PRESSURE 3Lbs	HIGH POINT MINIMUM PRESSURE	LOW POINT MAXIMUM PRESSURE
REQUIRED TEST DURATION 30 Min.	TEST LIMITATIONS (VALVES, FITTINGS, ETC.)	TEST MEDIUM Air

TEST RESULTS

12-TEST START DATE 6-9-99 HOUR 9:30 | 13-TEST COMPLETED DATE 6-9-99 HOUR 1:20 Pm. | 14-WEATHER Clear

15-COMMENTS Air Test Drain System,

TIME	D.W. PRESSURE	AMB. TEMP. °F	REMARKS

APPROVALS

DATA TAKEN BY: Harvey Rudd | TEST APPROVED BY: | DATE:

TEST WITNESSED BY: C.R. Lewis | TEST COMPANY: Wildcat Const. Co.

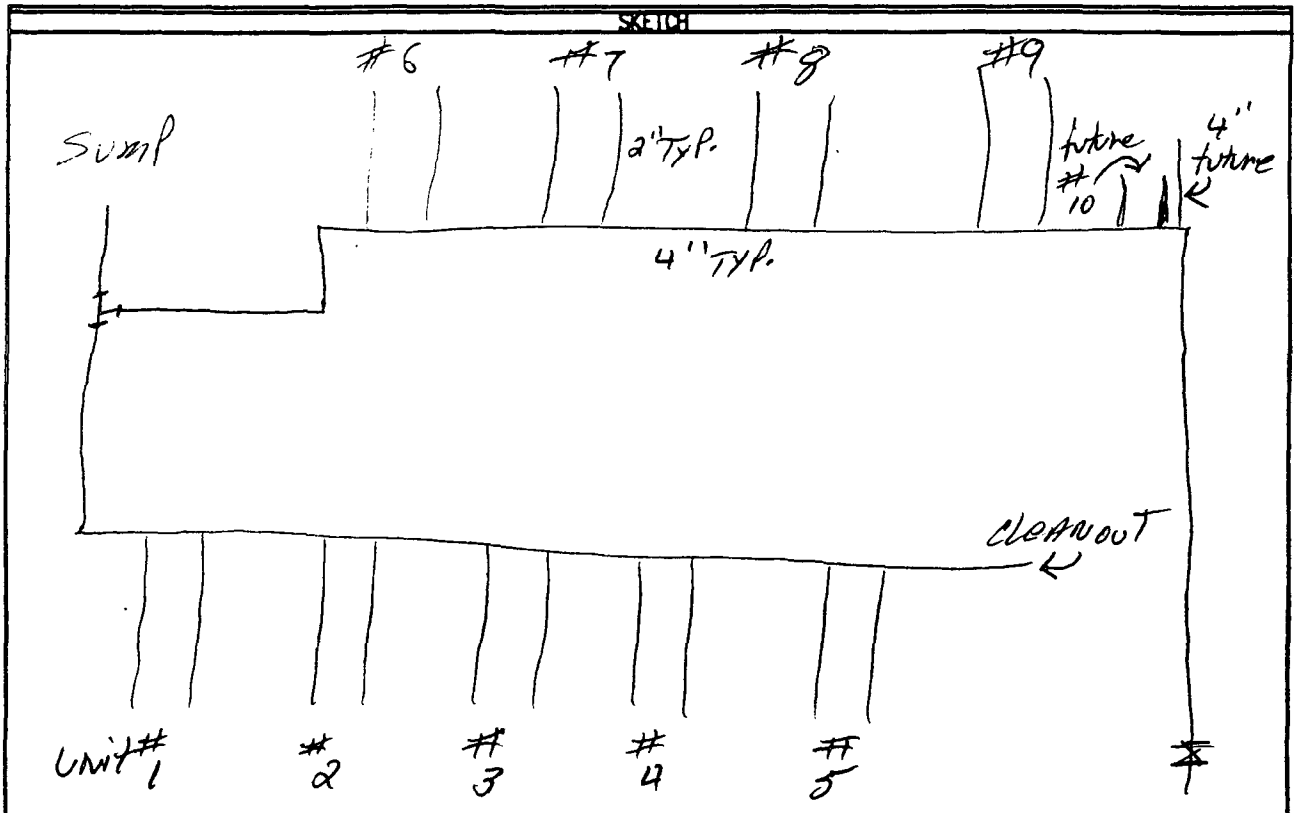
DISTRIBUTION, ORIGINAL-Compliance, SIC COPY--Project Engineer, COPY--Originator

Figure 8-1A. PIPELINE FACILITY TEST REPORT (Back)

WILLIAMS FIELD SERVICES

PIPELINE FACILITY TEST REPORT (Continued)

SKETCH



PRESSURE VOLUME TABLE

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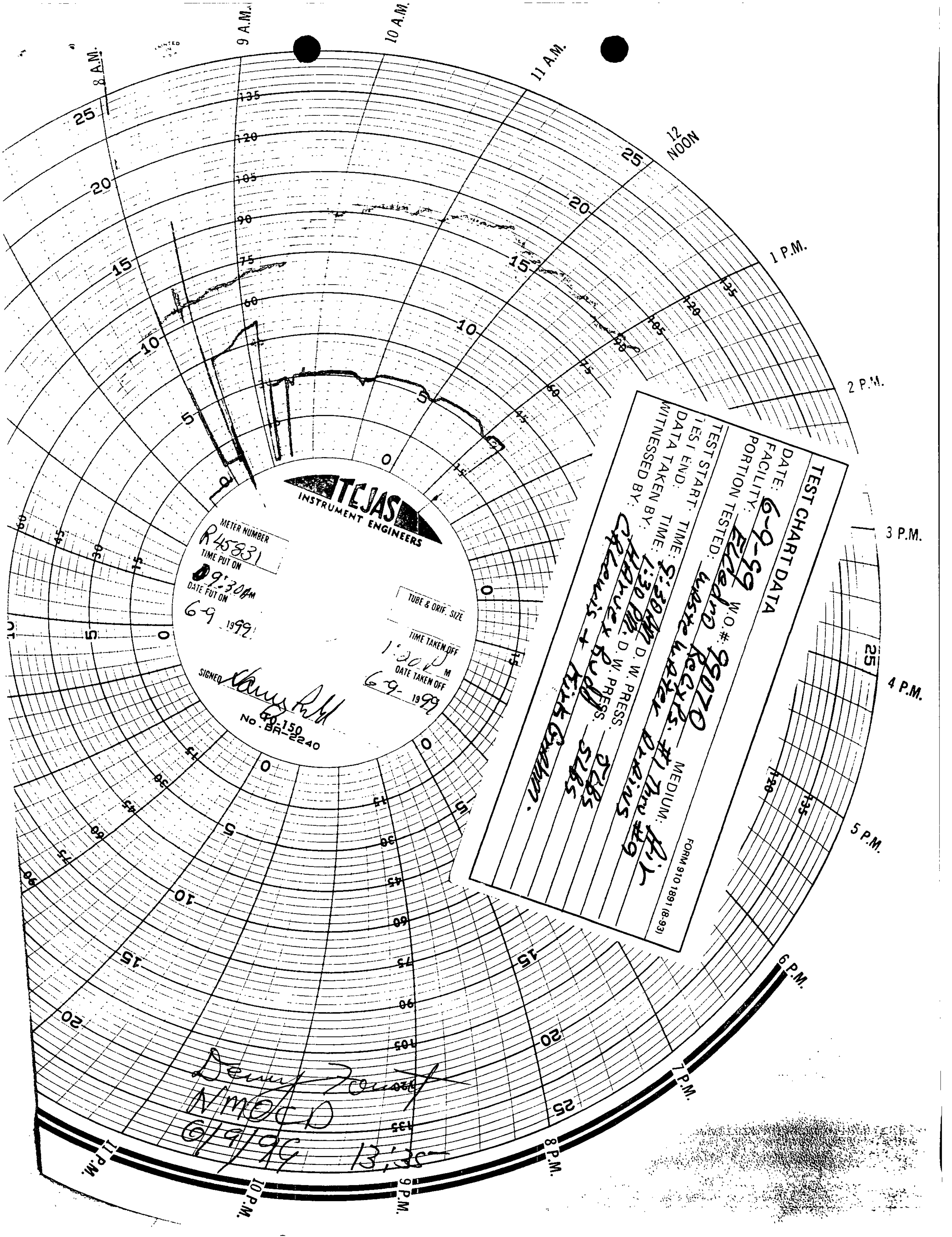

8 A.M.
9 A.M.
10 A.M.
11 A.M.
12 NOON
1 P.M.
2 P.M.
3 P.M.
4 P.M.
5 P.M.
6 P.M.
7 P.M.
8 P.M.
9 P.M.
10 P.M.
11 P.M.
TEJAS INSTRUMENT ENGINEERS
METER NUMBER R45831
TIME PUT ON 9:30 AM
DATE PUT ON 6-9-1999
TUBE & ORIF. SIZE
TIME TAKEN OFF 1:30 P M
DATE TAKEN OFF 6-9-1999
SIGNED
0-150
NO. BA-2240
TEST CHART DATA
DATE: 6-9-99 W.O.#: 99070
FACILITY: Eldrdo
PORTION TESTED: waste water Recycls. #1 thru #9 MEDIUM: Air
TEST START: TIME: 9:30AM D.W. PRESS: 52lbs
TEST END: TIME: 1:30 PM. D.W. PRESS: 52lbs
DATA TAKEN BY: Harvey Budd
WITNESSED BY: C. Lewis + Kirk Graham.
FORM 910 1891 (8-93)
NMOCD
6/9/96
13:35

Measurement Standards Facility

SAN JUAN MEASUREMENT

CERTIFICATION OF PHYSICAL MEASURING INSTRUMENTS
HYDRAULIC DEADWEIGHT TEST CERTIFICATE
0.025% I.V. MASTER ACCURACY LEVEL GUARANTEED

DATE :	6-8-99	CUSTOMER :	S.J.M.S. RENTAL ONLY
TYPE :	BARTON 242E	DISTRICT :	SAN JAUN BASIN
PRESSURE RANGE:	0-25 PSIG	TEMP. RANGE :	N.A.
SERIAL NUMBER:	# 45831	P.O. NO. :	
TEST REF TEMP.	20 DEG. C	RECAL DATE :	12-8-99

PRESSURE STANDARDS REFERENCEDTO N.I.S.T. (P-8365) (P-8109) (P-8085)
N.I.S.T. MASS REPORT REF. NO.(106354 106354A 106354B)
PRESSURE REFERENCED @ 980.665 cm/sec. 2 Gravity

PRESSURE APPLIED	STATIC READING	JOFFRA READING	TEMPERATURE READING
2.5	2.5	15.0	15.0
5.0	5.0	30.0	30.0
7.5	7.5	45.0	45.0
10.00	10.00	60.0	60.0
12.50	12.50	75.0	75.0
15.00	15.00	90.0	90.0
17.50	17.50	105.00	105.00
20.00	20.00	120.00	120.00
22.50	22.50	135.00	135.00
25.00	25.00	150.00	150.00

ATTESTED BY :

S.C. CRAWFORD

#63 Ct. Rd. 5295, Farmington, NM 87401 • P.O. Box 2472, Bloomfield, NM 87413 • Phone (505) 632-8864 • Fax (505) 632-0602

Figure 8-1. PIPELINE FACILITY TEST REPORT (Front)

WILLIAMS FIELD SERVICES
PIPELINE FACILITY TEST REPORT
FORM WFS 1239 (9-84)

1-WORK ORDER NO.:

FACILITY DESCRIPTION

2-NAME OF FACILITY: Encedro
3-FACILITY LOCATION: AREA Gavenador Ignacio DISTRICT COUNTY/STATE Rio Arriba, NM.
4-FACILITY TYPE: ☐Gathering ☐Line Pipe ☐Hot Tap ☐Fabrication ☑Plant/Station ☐Line Junction ☐Other ☐Transmission ☐Vessel ☐Well setting
3A-SECTION TOWNSHIP RANGE
5-PIPE MANUFACTURER
6-PIPE DATA: DIAMETER 4"&2" WALL THICKNESS SPEC. & GRADE Poly LENGTH OF TEST SECTION 400 ft.
7-DESCRIPTION OF PORTION TESTED (FROM-TO): Drain Line from Turbine Bldg To Genset Bldg.

TEST SPECIFICATIONS

8-TYPE OF TEST: ☐Strength ☑Leak ☐Both
9-TEST STATIONS AND ELEVATION: BEGIN LOCATION; END LOCATION; DEAD WEIGHT; HIGH POINT; LOW POINT; PRESSURE PUMP
10-REASON FOR TEST: ☐New Facility ☑Pre-Test ☐Repair ☐Retest

11-PRESSURE DATA:
PRELIMINARY LEAK PRESSURE
REQUIRED TEST PRESSURE 3 Lbs.
REQUIRED TEST DURATION 30 Min.
BEGIN STATION MINIMUM PRESSURE
END STATION MINIMUM PRESSURE
HIGH POINT MINIMUM PRESSURE
LOW POINT MAXIMUM PRESSURE
TEST LIMITATIONS (VALVES, FITTINGS, ETC.) ALL
TEST MEDIUM Air

TEST RESULTS

12-TEST START DATE 7:30 AM HOUR 6-10-99
13-TEST COMPLETED DATE 6-10-99 HOUR 8:50 AM
14-WEATHER Cloudy
15-COMMENTS: Air Test Waste Water Drains.

TIME	D.W. PRESSURE	AMB. TEMP. °F	REMARKS

APPROVALS

DATA TAKEN BY: Harvey Rudd
TEST APPROVED BY: DATE:
TEST WITNESSED BY: Kirk Gram
TEST COMPANY: Wildcat Const. Co.

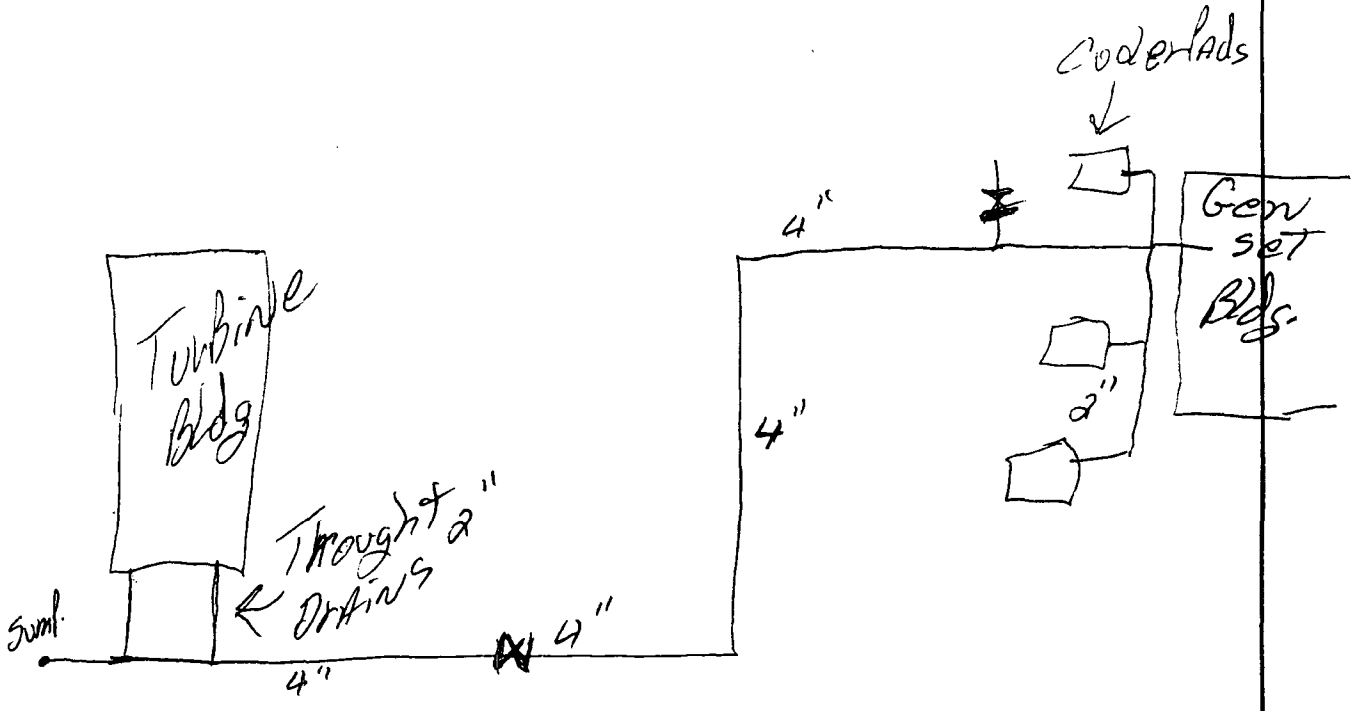
DISTRIBUTION: ORIGINAL-Compliance, SLC COPY--Project Engineer, COPY--Originator

Figure 8-1A.. PIPELINE FACILITY TEST REPORT (Back)

WILLIAMS FIELD SERVICES

PIPELINE FACILITY TEST REPORT (Continued)

SKETCH



PRESSURE VOLUME TABLE

PRESSURE	VOLUME	DIFF.	PRESSURE	VOLUME	DIFF.	PRESSURE	VOLUME	DIFF.

Measurement

SAN JUAN MEASUREMENT

CERTIFICATION OF PHYSICAL MEASURING INSTRUMENTS
HYDRAULIC DEADWEIGHT TEST CERTIFICATE
0.025% I.V. MASTER ACCURACY LEVEL GUARANTEED

DATE :	6-8-99	CUSTOMER :	S.J.M.S. RENTAL ONLY
TYPE :	BARTON 242E	DISTRICT :	SAN JAUN BASIN
PRESSURE RANGE:	0-25 PSIG	TEMP. RANGE :	N.A.
SERIAL NUMBER:	# 45831	P.O. NO. :	
TEST REF TEMP.	20 DEG. C	RECAL DATE :	12-8-99

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10.00	10.00	60.0	60.0
12.50	12.50	75.0	75.0
15.00	15.00	90.0	90.0
17.50	17.50	105.00	105.00
20.00	20.00	120.00	120.00
22.50	22.50	135.00	135.00
25.00	25.00	150.00	150.00

ATTESTED BY : S.C. Crawford

S.C. CRAWFORD

#63 Ct. Rd. 5295, Farmington, NM 87401 • P.O. Box 2472, Bloomfield, NM 87413 • Phone (505) 632-8864 • Fax (505) 632-0602

Measurement Standards Facility

HARVEY

RENTAL AGREEMENT

NO. RO/200

#172/07402

LESSEE: WFS El Cedro	JOB NAME: WFS El Cedro Complex
	JOB ADDRESS:
	JOB PHONE: 330-4602
	JOB NUMBER:
	P.O. NUMBER: 99070
	ESTIMATED TIME: 1 DAY

	MONTH	DAY	YEAR	TIME
TIME OUT	6	22	99	3:00pm
TIME IN	6	23	99	3:00pm

DR. LIC. NO.	D.O.B.	VEHICLE LIC NO	SHIPPED VIA	DEPOSIT
N/A	N/A	N/A	N/A	-0-

QTY.	BRAND MODEL SERIAL NO.	1st DAY	DAY +	WEEK	CHARGES
1	Barton Recorder T/P SN 45831 0-250psi/0150F	60.00	15.00	100.00	
1	Test Certificate				25.00
	Cleaning Charge	35.00/Hr			N/C

I have read and agree to the contract terms on BACK OF THIS PAGE which constitute our entire agreement. There are no oral or other representations not included herein. I acknowledge receipt of a copy of this contract. NOTICE: Failure, refusal or neglect to return the rental property within 72 hours after the agreed rental period has expired, or the presenting of false, fictitious or misleading identification to the Dealer shall be prima evidence of an intent to commit larceny.

CUSTOMER SIGNATURE

SUB TOTAL	
% DISCOUNT	
SUB TOTAL	
TAX 6.0% NM.	
SUB TOTAL	
DEPOSIT	
TOTAL	

FORM-RENTAL REVISED 3/29/96

#63 Ct. Rd. 5295, Farmington, NM 87401 • P.O. Box 2472, Bloomfield, NM 87413 • Phone (505) 632-8864 • Fax (505) 632-0602

TEJAS
INSTRUMENT ENGINEERS
METER NUMBER
RL5831
TIME PUT ON
7:30 AM
DATE PUT ON
6-10 1959
TUBE & ORIF. SIZE
TIME TAKEN OFF
8:50 AM
DATE TAKEN OFF
6-10 1959
SIGNED
TO-150
No. BR-2240
7 A.M.
8 A.M.
9 A.M.
10 A.M.
11 A.M.
12 NIGHT
1 A.M.
2 A.M.
3 A.M.
4 A.M.
5 A.M.
6 A.M.
9 P.M.
10 P.M.
11 P.M.

Jack Ford

Williams

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

April 12, 1999

Mr. Denny Foust
NM OCD
1000 Rio Brazos
Aztec, New Mexico 87410

Re: 4/7/99 Release of TEG/H2O at WFS El Cedro Plant

Dear Mr. Foust:

On 4/7/99, I verbally reported a spill of 2200 gallons (50-50 mix of triethylene glycol (TEG) / water mix) at the Williams Field Services (WFS) El Cedro Plant to the OCD. A written notification was subsequently mailed. The purpose of this notification is to inform you that the estimate of the volume of liquid spilled has been increased to approximately 4000 gallons, based on the quantity of liquid operators have added to the system to reestablish 'normal' levels.

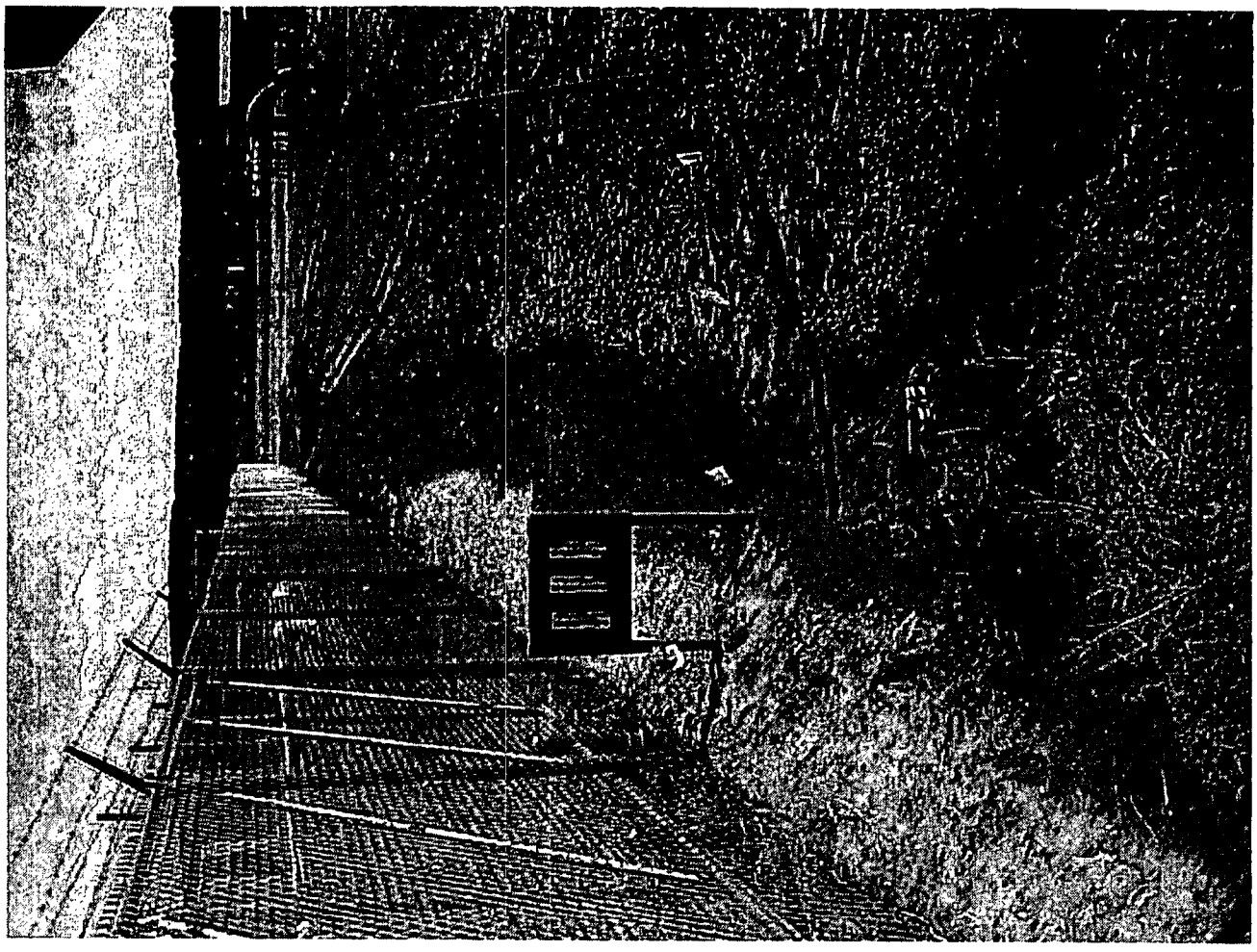
Additionally, please be advised that remediation activities at the site are nearly completed. Gravel in the impacted areas was scraped back to examine the soils. Soils in the bar ditch just upstream of the dike were found to be impacted to a depth of 1-4 feet. Soils behind the dike that was constructed to retain the liquids were most significantly impacted. Soils in the other affected areas (inside the plant fenceline) were found to be impacted to a depth averaging 4-6 inches. All impacted soils from the bar ditch and the process area are being scooped up and laid out on visqueen within an earthen berm until disposal arrangements are completed. During the remediation activities, an additional 30 gallons of liquid was recovered. Attached are a few photos for your reference.

If you have any questions or would like to discuss this further, I can be reached at 801-584-6543.

Sincerely,

Ingrid Deklau
Environemental Specialist

enclosures

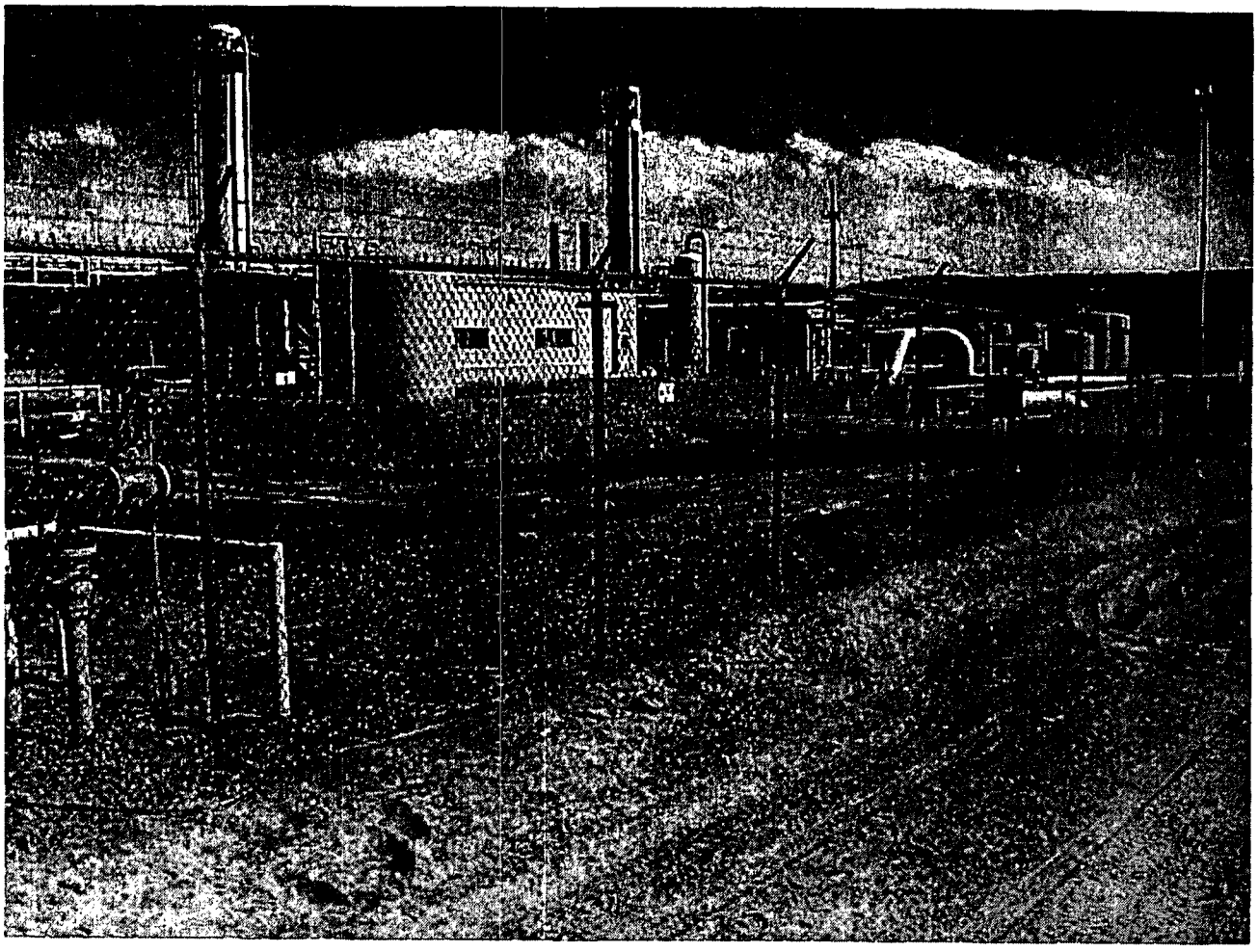


Man made bar ditch - ELC plant 4/7/99
after spill

N →

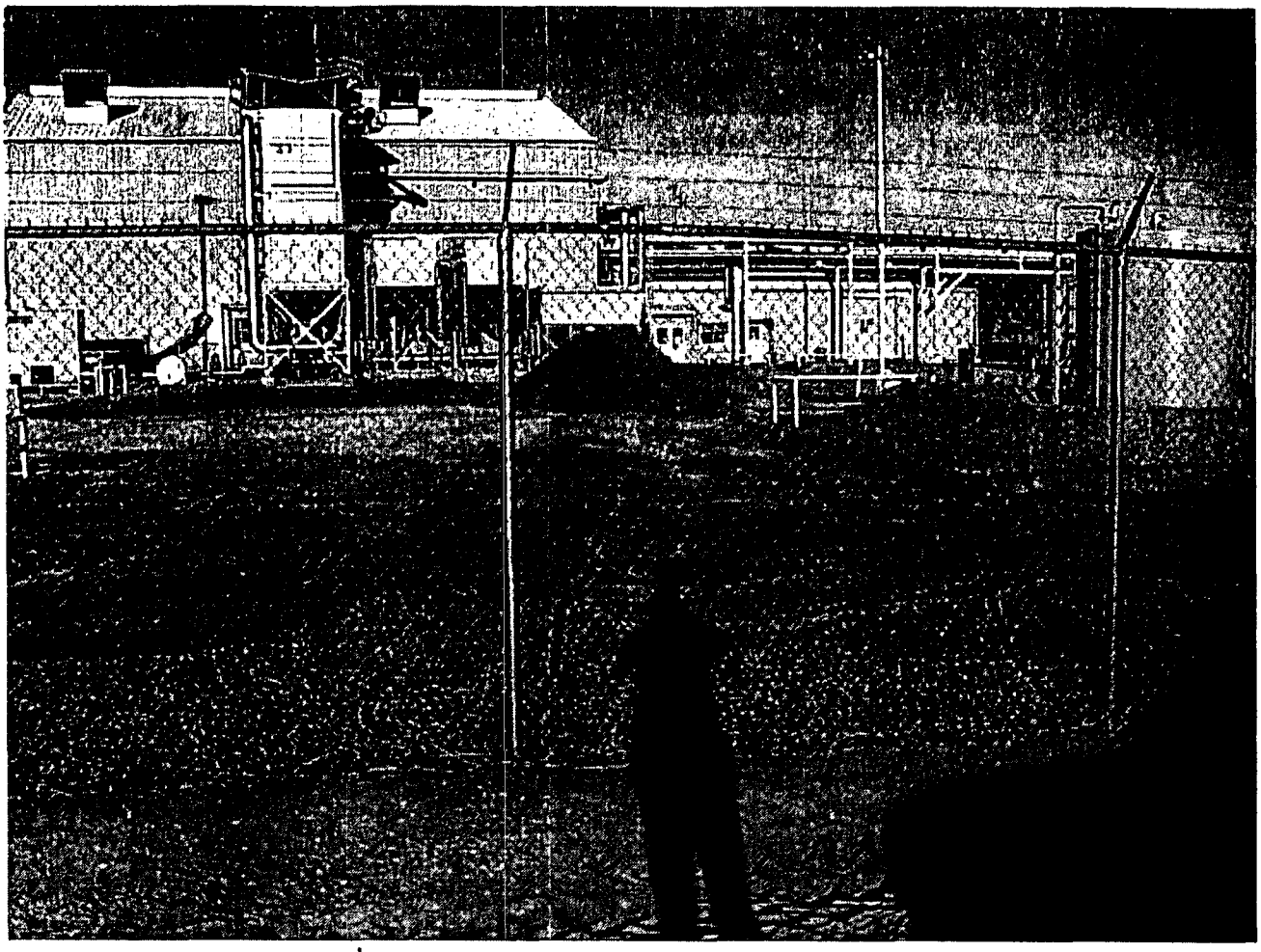
Man made bar ditch, ELC, 4/9/99 During Remediation process

↑N



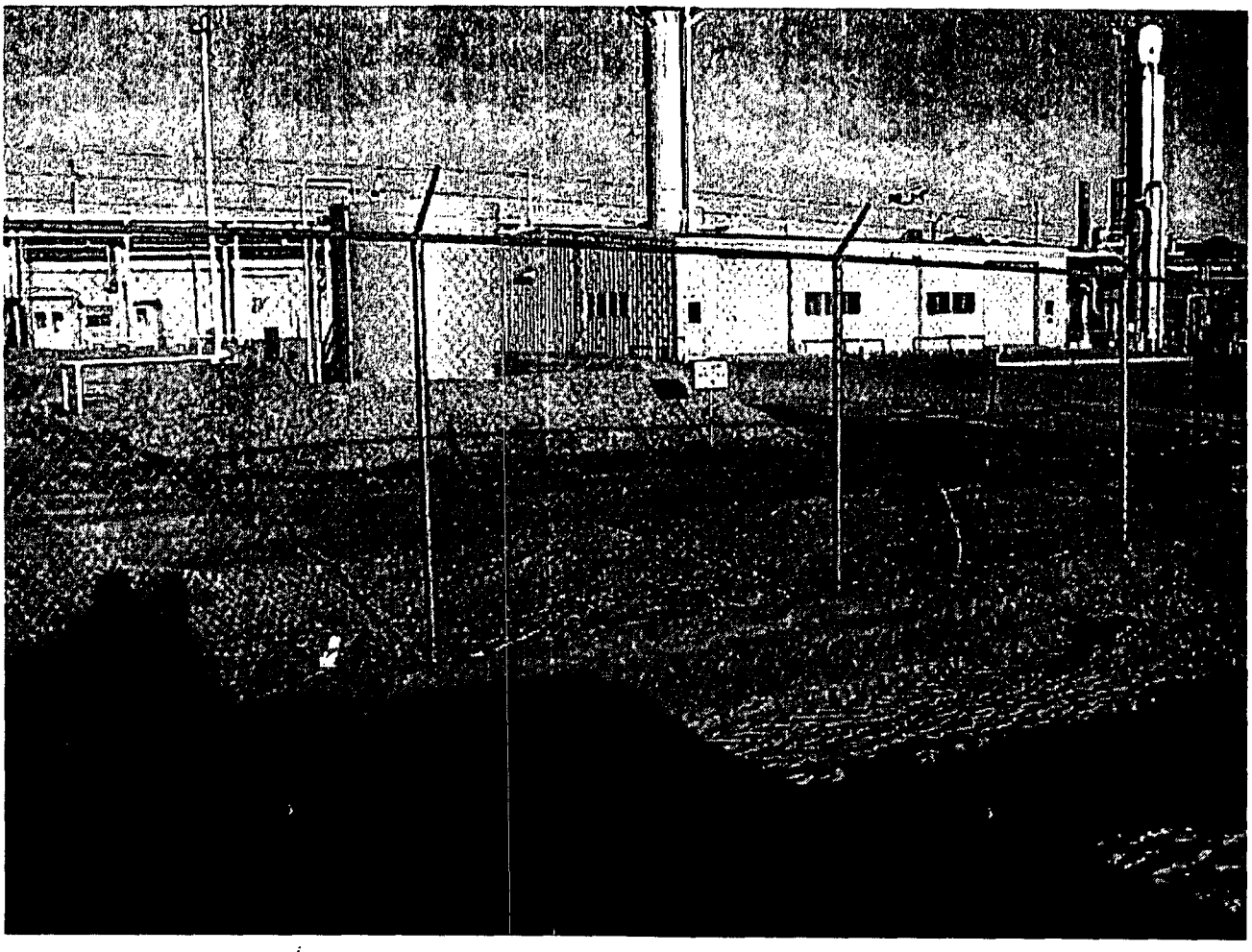
ELC plant, 1/7/99
after spill

N



ELC plant, 4/9/99
During remediation process

← N



ELC plant, 4/9/99
During remediation process

N

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 9/2/98,

or cash received on _____ in the amount of $ 690.00

from WFS

for El Cedro CS. GW-149
(Facility Name) (DP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: [signature] Date: 10/30/98

Received in ASD by: _____ Date: _____

Filing Fee ___ New Facility ___ Renewal X

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 99

To be deposited in the Water Quality Management Fund.

Full Payment X or Annual Increment ___

Williams

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
311

5736-0

DATE	CHECK NO.	NET AMOUNT
09/02/98	[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 Bittick
TREASURER

[redacted]

Williams Field Services Company

2289 NMED-WATER QUALITY MANAGEMENT [redacted] 09/02/98

INVOICE NUMBER	DESCRIPTION	INVOICE DATE	AMOUNT	DISCOUNT	NET AMOUNT
GW-149 98		08/26/98	690.00	0.00	690.00
			690.00	0.00	690.00

El Cedro

PLEASE DETACH BEFORE DEPOSITING

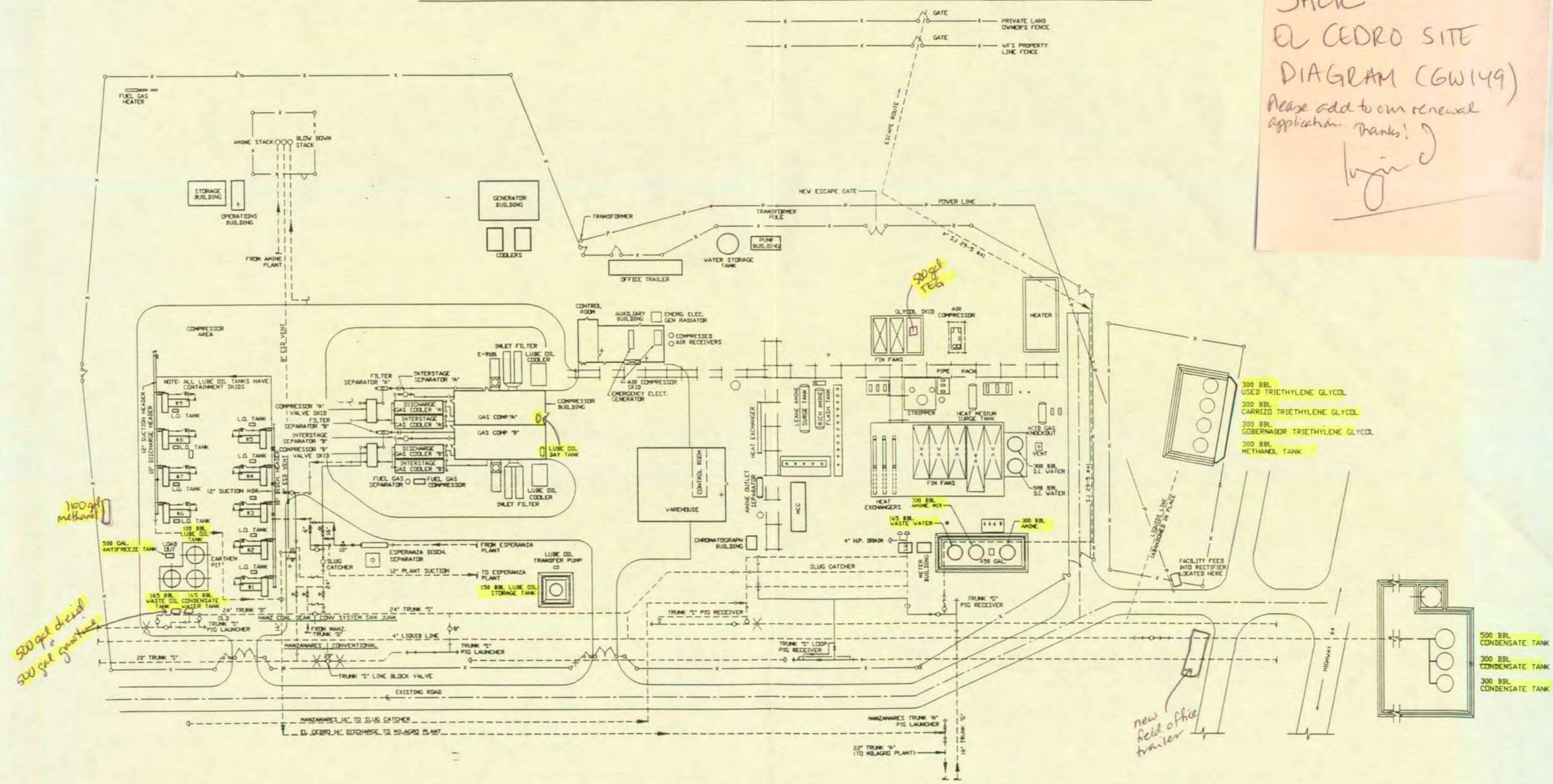
WILLIAMS FIELD SERVICES
ONE OF THE WILLIAMS COMPANIES

OPERATIONS

Manual		
EL CEDRO/ESPERANZA COMPLEX		
Section: EMERGENCY OPERATIONS PROCEDURES	Tab: 13	Document No.: 42.13.001
Effective Date: 09/16/97	Issue No.: 02	Page No.: 4 of 6
Subject or Title: SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN		Scale: 1"=80'

ATTACHMENT "A" PRODUCT & WASTE STORAGE LOCATIONS

JACK
EL CEDRO SITE
DIAGRAM (GW149)
Please add to our renewal application. Thanks!



F1883 (5/95)

S:\WFSDS\PM_E\EOD\SPILL\0000049

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 7/7/98,

or cash received on _____ in the amount of $ 50.00

from WFS

for El Cedro C3 GW-149
(Facility Name) (DP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: RClinder Date: 8/10/98

Received in ASD by: _____ Date: _____

Filing Fee X/R New Facility ___ Renewal ___

Modification ___ Other _____
(specify)

Organization Code 521.07 Applicable FY 98

To be deposited in the Water Quality Management Fund.

Full Payment ___ or Annual Increment ___

Williams

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
311

5736-09

DATE	CHECK NO.	NET AMOUNT
07/07/98	[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 Bittick
TREASURER

[redacted]

Williams Field Services Company

2289 NMED-WATER QUALITY MANAGEMENT [redacted] 07/07/98

INVOICE NUMBER	DESCRIPTION	INVOICE DATE	AMOUNT	DISCOUNT	NET AMOUNT
GW-149	GW-149 Renewal El	04/14/98	50.00	0.00	50.00
			50.00	0.00	50.00

GW-149 Renewal

PLEASE DETACH BEFORE DEPOSITING

The Santa Fe New Mexican
Since 1849. We Read You.

NM OCD
ATTN: SALLY MARTINEZ
2040 S. PACHECO ST.
SANTA FE, NM 87505

AD NUMBER: 35960 ACCOUNT: 56689
LEGAL NO: 63888 P.O.#: 98199000257
174 LINES 1 time(s) at $ 69.60
AFFIDAVITS: 5.25
TAX: 4.68
TOTAL: 79.53

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-149) - 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 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 165 barrels per month of produced and washdown waste water with total dissolved solids greater than 10000 mg/l is collected in two 165 barrel above ground steel tanks prior to transport off site for disposal in an OCD approved facility. Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth of approximately 115 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 July 1998.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
LORI WROTENBERY,
Director

Legal #63888
Pub. July 20, 1998

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE
I, B. Perner being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTE FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication #63888 a copy of which is hereto attached was published in said newspaper 1 day(s) between 07/20/1998 and 07/20/1998 and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 20 day of July, 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 July A.D., 1998

Notary Laura R Harding

Commission Expires 11/23/99

ok

AFFIDAVIT OF PUBLICATION

No. 39865

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, July 21, 1998

and the cost of publication is: $22.04

Denise H. Henson-Woodall

On 7-23-98 DENISE H. HENSON WOODALL appeared before me, whom I know personally to be the person who signed the above document.

Reese Nelson

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

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Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application(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.

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

/s/Roger Anderson
for LORI WROTENBERY,
Director

Legal No. 39865, published in The Daily Times, Farmington, New Mexico, on Tuesday, July 21, 1998.

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

July 14, 1998

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

Re: Notice of Publication

PS Form 3800, April 1995

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

Sent to	Farmington Daily Times
Street & Number	P.O. Box 450
Post Office, State, & ZIP Code	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, & Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

Z P 410 431 064

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 July 21, 1998.

Sincerely,

Sally Martinez

Sally Martinez
Administrative Secretary

Attachment

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:

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

for LORI WROTENBERY, Director

S E A L

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

July 14, 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.

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

1. ***Publisher's affidavit.***
2. ***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 Monday, July 20, 1998.

Sincerely,

Sally Martinez

Sally Martinez
Administrative Secretary

Attachment

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-149) - 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 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 165 barrels per month of produced and washdown waste water with total disolved solids greater than 10000 mg/l is collected in two 165 barrel above ground steel tanks prior to transport off site for disposal in an OCD approved facility. 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.

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 July 1998.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

for LORI WROTENBERY, Director

SEAL

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

July 6, 1998

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

Re: OCD Discharge Plan Renewal: El Cedro Complex (GW-149)

Dear Mr. Ford:

Enclosed, please find Check Number 90211 for $50 to cover the application fee for the Discharge Plan Renewal of Williams Field Services (WFS) El Cedro Complex (GW-149). The information attached serves to update the original discharge plan that was submitted to the OCD in October 1993. For your information, the complete list of documents which constitute the El Cedro Complex Discharge Plan are listed below.

July 6, 1998	WFS application for renewal
April 14, 1998	OCD request for renewal
December 10, 1997	OCD approval of modification
December 5, 1997	WFS application for modification
October 8, 1993	OCD approval of application
August 1993	WFS Application

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

Sincerely,

Ingrid A. Deklau
Environmental Specialist

enclosures

xc: Denny Foust, Aztec OCD Office

1.0 GENERAL INFORMATION – EL CEDRO COMPLEX (GW-149)

1.1 Legally Responsible Party

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

Contact Person
Ingrid Deklau
(801)-584-6543
Address, same as above

Landowner
Williams Field Services
(801)-584-7033
Address, same as above

1.3 Type of Natural Gas Operation

Scheduled modifications described in the August 1993 application have been completed at the site. Therefore, the El Cedro Complex provides metering and compression, as well as gas processing services.

There are currently two 11,257 horsepower (hp) Solar Mars turbines, nine 1370 hp Waukesha 7042GL skid mounted, self-contained, natural gas fired lean-burn compressor units, and one 55 MMSCFD glycol dehydrator. Additionally, the 80 MMSCFD hot-glycol heated, amine CO2 removal facility has been installed at the site.

Future plans for the site include the installation of five additional Waukesha 7042GL units and two 20 MMSCFD gas dehydrators.

There is a field office located at the entrance to the site. The site is manned Monday through Friday during normal business hours, at a minimum. The facility will be remotely monitored 24 hours per day. Operators are on call 24 hours per day, 7 days per week. The facility is equipped with a video monitoring system.

2.0 GENERAL PROCESSES

2.1 Process Fluids

Table 1 has been redesigned to illustrate source, quantity, and quality of effluent and waste solids generated at the El Cedro Complex. Table 2 illustrates the transfer, storage, and disposal of process fluids, effluents, and waste solids.

7-13-98
New site plan being sent

TABLE 1
SOURCE, QUANTITY, AND QUALITY OF EFFLUENT AND WASTE SOLIDS
EL CEDRO GAS PLANT

PROCESS FLUID/WASTE	SOURCE	QUANTITY (estimated)	QUALITY
Used Oil	Compressors, engines	500 gal/mo	Used motor oil with no additives
Filter Separator Liquids	Filter Separator	3000 gal/mo	Water and hydrocarbon mixture with no additives
Used Solvent	Parts Washer	300 gal/yr	No additives
Used process filters (i.e., glycol, amine, etc.)	Dehydrators, CO2 removal, hydrocarbon removal	630/yr	No additives
Oil Filters	Compressors and engines	550/yr	No additives
Used Carbon	From amine system	500 lb/yr	No additives
Spill Residue	Incidental spills, leaks, or cleanup	Incident dependent	Incident dependent
Used Absorbents	Incidental spills, equipment clean-up	Incident dependent	Incident dependent
Lab Waste	On-site testing glycol, amine samples, etc.	100 gal/yr	Products used include (but may not be limited to) HCl, KOH, methanol and de-ionized water
Liquid Effluent from Processing Plant (wastewater)	Filter separator, open drain system/ washdown water, produced water	165 bbl/mo	High TDS water, dissolved salts, traces of glycol/oil

TABLE 2
TRANSFER, STORAGE, AND DISPOSAL OF EFFLUENTS, AND WASTE SOLIDS
EL CEDRO GAS PLANT

PROCESS FLUID/WASTE	SOURCE	STORAGE (typical)	CONTAINER CAPACITY (approximate)	CONTAINMENT/ SPILL PREVENTION	RCRA STATUS	DESCRIPTION OF FINAL DISPOSITION
Used Oil	Compressors, engines, oil water separator	AST*	165 bbl	Berm	Non-exempt	Transported to EPA-registered used oil marketer for recycling.
Filter Separator Liquids/ condensate	Filter Separator	AST*	1@ 500-bbl 2@ 300 bbl	Berm	Exempt	Saleable product.
Lab Waste	Glycol, amine testing	Drum	55 gal	Drum overpack or berm	Non-exempt	Transported to approved disposal facility.
Used Glycol	Dehydration	AST*	300 bbl	Berm	Exempt	Transported to vendor for recycling, or disposed at approved facility
Used Solvent	Parts Washer	Drum ancillary to parts washer	30 gal	N/A	Non-exempt	Vendor currently hauls and replaces product. Petroleum-based products may be mixed with waste oil and hauled by used oil recycler.
Used process filters (i.e., glycol, amine, etc.)	Dehydrators, CO2 removal, hydrocarbon removal	Roll off bin for special waste	Dumpster	N/A	Exempt	Drained and transported to approved disposal facility.
Oil Filters	Compressors, engines	Roll off bin for special waste	Dumpster	N/A	Non-exempt	Drained and transported to approved disposal facility.
Process Treatment Waste (i.e., carbon, etc.)	Gas treatment	Roll off bin for special waste	N/A	N/A	Exempt	Drained on-site prior to disposal at approved disposal facility.
Spill Residue (i.e., soil, gravel) or other exempt waste	Incidental spills, leaks, or cleanup	N/A	N/A	In-situ treatment, landfarm, or alternate method	Incident dependent	Landfarmed on-site or disposed at OCD-approved facility (free liquid will be removed from residue, i.e., pumping, solidification, evaporation). On-site treatment will be conducted per applicable NMOCD Guidelines.
Used Absorbents	Incidental spills, leaks, or cleanup	Roll off bin for special waste	Dumpster	N/A	Non-exempt	Drained and transported to approved disposal facility.

TABLE 2 (continued)
TRANSFER, STORAGE, AND DISPOSAL OF EFFLUENTS, AND WASTE SOLIDS
EL CEDRO GAS PLANT

PROCESS FLUID/WASTE	SOURCE	STORAGE (typical)	CONTAINER CAPACITY (approximate)	CONTAINMENT/ SPILL PREVENTION	RCRA STATUS	DESCRIPTION OF FINAL DISPOSITION
Liquid Effluent from processing plant (wastewater)	Filter separator, open drain system/ washdown water, produced water	AST*	165 bbl each - 330	Berm	Non-exempt	Transported to OCD-approved facility (i.e., surface disposal facility) for disposal. Evaporation at WFS location may also be considered when possible.
Scrap metal	Facility-wide, incident dependent	Boneyard	N/A	N/A	N/A	Hauled by recycler, reused on site, or disposed at local landfill
Lube Oil	For use in compressors, engines, etc.	AST*	1@ 150 bbl 1@ 100 bbl 1@ 800 gal 1@ 600 gal 1@ 500 gal adjacent to each compressor	Berm Berm Inside turbine bldg Inside turbine bldg Berm	N/A	N/A
Methanol	Used in system to prevent freezing	AST*	1@ 300 bbl 1@ 1100 gal	Berm Berm	N/A	N/A
Triethylene Glycol	Used in dehydration	AST*	2@ 300 bbl 1@ 500 gal	Berm Berm	N/A	N/A
Ambitrol Oil	Antifreeze	AST*	1@ 500 gal	Berm	N/A	N/A
Amine Tank	CO2 removal	AST*	1@ 300 bbl	Berm	N/A	N/A
Amine Mix Tank	CO2 removal	AST*	1@ 300 bbl	Berm	N/A	N/A
Diesel	Vehicles	AST*	1@ 500 gal	Berm	N/A	N/A
Gasoline	Vehicles	AST*	1@ 500 gal	Berm	N/A	N/A

*AST= Above Ground Storage Tank

2.2 Spill/Leak Prevention and Housekeeping Procedures

The information discussed in Section 2.2, as it appears in the August 1993 application, is accurate, with the exception of the discussion of the storage of heat transfer fluid. There are currently no heat transfer fluid storage tanks at the site. The liquid is brought to the facility by truck, and unloaded directly into the process vessel.

The methanol injection system, discussed in the December 5, 1997 modification to the Discharge Plan,is scheduled to be removed in conjunction with the installation of the additional dehydration discussed above in Section 1.3.

WFS Corporate policy and procedures for the controlling and reporting of Discharges or Spills of Oil or Hazardous Substances is provided following Table 2 of this letter. WFS Environmental Affairs will report significant spills and leaks to the NMOCD pursuant to NMOCD Rule 116 and WQCC 1-203 using the NMOCD form also attached.

2.3 Disposal of Waste Fluids

Section 2.3, as it appears in the August 1993 application is accurate, with the following exceptions. 1) Distilled water vapor that condenses within the steam line of the glycol regeneration process is gravity-drained to the skid, and then directed to a 165-bbl waste water storage tank. 2) There are currently no porta-pottys at the site.

3.0 SITE CHARACTERISTICS

B. Flood Protection

A flood diversion dike was constructed at the north side of the facility.

WILLIAMS FIELD SERVICES
ONE OF THE WILLIAMS COMPANIES

OPERATIONS

Manual	Department	
O & M Procedure		
Section Safety/General	Tab 10	Document No. 21.10.020
Effective Date JUL 31 1997	Issue No. 2	Page No. 1 of 8

Subject of Title
DISCHARGES OR SPILLS OF OIL OR HAZARDOUS SUBSTANCES; Preventing, Controlling and Reporting of

A. PURPOSE AND SCOPE

A.1 To establish the policy and procedure for preventing, controlling, and reporting of discharges or spills 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 This document pertains to Company personnel and Company and non-company facilities. 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 responsible Director.

B. CONTENTS

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.

upersedes Policy and Procedure 12.10.020 dated June 16, 1993

Approval (Page 1 Only)	Approval (Page 1 Only)	Approval (Page 1 Only)
E.C. England	C.K. Myers	

C.1.2 Oil, for purpose of this document, means oil of any kind or in any form, including but not limited to petroleum hydrocarbon, fuel oil, Y grade, natural gas liquids, condensate, mixed products, sludge, oil refuse, and oil mixed with wastes other than dredged spoil (earth and rock). LPG (propane, butane, ethane) is not considered to be oil.

C.1.3 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(N) 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

C.1.4 The term hazardous substance does not include petroleum hydrocarbon, including crude oil or any fraction thereof, and the term does not include natural gas, natural gas liquids (including condensate), liquefied natural gas or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).

C.1.5 Facilities which could discharge or spill oil or hazardous substances into a watercourse must comply with the applicable 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.1.6 Facilities which are subject to the requirements stated in this policy are as follows:

a. <u>Non-Transportation Related Facilities</u>

(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.1.7 Each Company 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 shall identify all hazardous substance storage vessels (as defined in a.(1) above) at the facility and the spill prevention measures in place to control discharges or spills. This plan shall also identify all regulatory agencies that must be notified in case of a spill.

C.1.8 The facility superintendent is responsible for spill prevention. His/her 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. Conduct annual briefings for operating personnel at intervals frequent enough to assure adequate understanding of the Spill Plan at that facility.

c. Briefings should highlight and describe known discharges or spills, and recently developed precautionary measures.

C.1.9 Each individual facility is checked annually by the superintendent or designee to determine the potential for discharges or spills of oil or hazardous substances in harmful quantities that violate water quality standards or which may cause a film, sheen, or discoloration on the surface of water. All facilities which have the potential for discharging or spilling harmful quantities of oil or hazardous substances into a watercourse are required to have the following preventive measures:

a. Examination of all tanks, valves and fittings, at least annually, to determine any maintenance requirements.

b. All tank batteries should, as far as practicable, 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. An annual monitoring and inspection program to prevent accidental spills or discharges into watercourses. This includes annual inspection for faulty systems and monitoring line valves and liquid pipelines for leaks or blowouts.

C.1.10 Any field drainage ditches, road ditches, traps, sumps, or skimmers should be inspected at regular scheduled intervals for accumulation of oil 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 oil or substance 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 facility superintendent should evaluate tank 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 Make provisions for drainage from diked storage areas where necessary in areas with high precipitation levels. Drainage from diked 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, open-and-closed 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, 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 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 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 are constructed at valves where potential leaking of oil or hazardous substances may occur.
c. Any dike three feet or higher should have a minimum cross section of two feet at the top.

C.3.5 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/STATION PROCESS

C.4.1 Aboveground valves and pipelines should be examined regularly by operating personnel to determine whether there are any 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 truck loaded or unloaded in the station.

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 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.

NOTE: LPG loading facilities and remote field loading of condensate are exempt from the C.5 requirements of this document.

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 facility superintendent.

NOTE: Refer to Attachment A for containment procedures.

Facility Superintendent

D.1.2 Contacts Gas Control and responsible Director 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 emission or substance discharged
c. Description of the circumstances causing the discharge or spill
d. Name, title, and telephone number of person initially reporting the discharge or spill and person reporting to Gas Control
e. Action taken or being taken to mitigate and correct discharge or spill
f. Water bodies or streams involved
g. Time and duration of discharge or spill
h. Outside involvement during discharge or spill (public government agencies, etc. See Emergency Operating Procedure Manuals)

Gas Control Personnel

D.1.3 Advises Environmental Affairs departments immediately by telephone concerning the incident including any incidents reported by persons not employed with the Company.

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

D.1.4 If Environmental Affairs cannot be contacted, notifies Director over Environmental Affairs.

Facility Superintendent

D.1.5 Coordinates containment and clean-up of discharge or spill, keeping the responsible Director Informed.

D.1.6 If the discharge or spill is too large for Company personnel to contain, contacts qualified local contractors for assistance. (See Emergency Operating Procedure Manuals tab #11, contractors with available equipment and services).

D.1.7 Advises Environmental Affairs 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 Affairs

D.1.8 Assesses reporting requirements to state and federal agencies (contacts Legal Department and Right-of-Way Department, if appropriate). (See Emergency Operating Procedure Manuals).

D.1.9 Makes appropriate contacts with National Response Center and state and local agencies, when necessary.

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

D.2 SUBMITTING WRITTEN NOTIFICATION OF A DISCHARGE OR SPILL

Facility 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 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 written description to Environmental Affairs. Retains a copy for future reference.

NOTE: Environmental Affairs, in coordination with the Legal Department, if necessary, submits written reports to government agencies.

ATTACHMENT A

DISCHARGE OR SPILL CONTAINMENT PROCEDURES AND MATERIALS

TYPE OF FACILITY WHERE THE DISCHARGE OR SPILL OCCURS	CONTAINMENT PROCEDURES	MATERIALS USED FOR CONTAINMENT
A. Oil Pipeline (as defined in C.1.4)	1. Closes appropriate block valves. 2. Contains Discharge or spill by: Ditching covering, applying sorbents, constructing an earthen dam, or burning. 3. If burning is required, obtains approval from the appropriate state air quality control government agencies before burning.	1.Straw 2.Loose Earth 3.Oil Sorbent 3M Brand 4.Plain Wood chips 5.Sorb-Oil Chips Banta Co. 6.Sorb-Oil Swabs Banta Co. 7.Sorb-Oil Mats Banta Co. 8.Or Equivalent Materials
B. Vehicle	1. Contains discharge or spill by: ditching, covering surface with dirt, constructing earthen dams, apply sorbents, or burning. 2. Notifies immediately the Safety and Environmental Department and if there is any imminent danger to local residents; notifies immediately the highway patrol or local police officials. 3. If burning is required, obtains approval from the appropriate state air quality control government agencies before burning. Note: 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.	
C. Bulk Storage Tanks or any other Facilities	1. Contains discharge or spill by: ditching, covering, applying sorbents, constructing an earthen dam, or burning. 2. If burning is required, obtains approval from the appropriate state air quality control government agencies before burning.	

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 South First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

State of New Mexi

Energy Minerals and Natural Resources Department

Oil Conservation Division

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

Form C- 1
Originated 2/13

Submit 2 copies
Appropriate Dist
Office in accorda
with Rule 116
back side of fc

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☐ Final Rep

Name	Contact
Address	Telephone No.
Facility Name	Facility Type

Surface Owner	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Source of Release	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	
Was a Watercourse Reached? ☐ Yes ☐ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was impacted, Describe Fully. (Attach Additional Sheets If Necessary)

Describe Cause of Problem and Remedial Action Taken. (Attach Additional Sheets If Necessary)

Describe Area Affected and Cleanup Action Taken. (Attach Additional Sheets If Necessary)

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

Signature:	OIL CONSERVATION DIVISION	
Printed Name:	Approved by District Supervisor:	
Title:	Approval Date:	Expiration Date:
Date: Phone:	Conditions of Approval:	Attached ☐

116 RELEASE NOTIFICATION AND CORRECTIVE ACTION [1-1-50...2-1-96; A, 3-15-97]

116.A. NOTIFICATION

(1) The Division shall be notified of any unauthorized release occurring during the drilling, producing, storing, disposing, injecting, transporting, servicing or processing of crude oil, natural gases, produced water, condensate or oil field waste including Regulated NORM, or other oil field related chemicals, contaminants or mixture thereof, in the State of New Mexico in accordance with the requirements of this Rule. [1-1-50...2-1-96; A, 3-15-97]

(2) The Division shall be notified in accordance with this Rule with respect to any release from any facility of oil or other water contaminant, in such quantity as may with reasonable probability be detrimental to water or cause an exceedance of the standards in 19 NMAC 15.A.19. B(1), B(2) or B(3). [3-15-97]

116.B. REPORTING REQUIREMENTS: Notification of the above releases shall be made by the person operating or controlling either the release or the location of the release in accordance with the following requirements: [5-22-73...2-1-96; A, 3-15-97]

(1) A **Major Release** shall be reported by giving **both** immediate verbal notice and timely written notice pursuant to Paragraphs C(1) and C(2) of this Rule. A Major Release is:

(a) an unauthorized release of a volume, excluding natural gases, in excess of 25 barrels;

(b) an unauthorized release of any volume which:

(i) results in a fire;

(ii) will reach a water course;

(iii) may with reasonable probability endanger public health; or

(iv) results in substantial damage to property or the environment;

(c) an unauthorized release of natural gases in excess of 500 mcf; or

(d) a release of any volume which may with reasonable probability be detrimental to water or cause an exceedance of the standards in 19 NMAC 15.A.19. B(1), B(2) or B(3). [3/15/97]

(2) A **Minor Release** shall be reported by giving timely written notice pursuant to Paragraph C(2) of this Rule. A Minor Release is an unauthorized release of a volume, greater than 5 barrels but not more than 25 barrels; or greater than 50 mcf but less than 500 mcf of natural gases. [3-15-97]

116.C. CONTENTS OF NOTIFICATION

(1) **Immediate verbal notification** required pursuant to Paragraph B shall be reported within twenty-four (24) hours of discovery to the Division District Office for the area within which the release takes place. In addition, **immediate verbal notification** pursuant to Subparagraph B.(1).(d). shall be reported to the Division's Environmental Bureau Chief. This notification shall provide the information required on Division Form C-141. [5-22-73...2-1-96; A, 3-15-97]

(2) **Timely written notification** is required to be reported pursuant to Paragraph B within fifteen (15) days to the Division District Office for the area within which the release takes place by completing and filing Division Form C-141. In addition, timely written notification required pursuant to Subparagraph B.(1).(d). shall also be reported to the Division's Environmental Bureau Chief within fifteen (15) days after the release is discovered. The written notification shall verify the prior verbal notification and provide any appropriate additions or corrections to the information contained in the prior verbal notification. [5-22-73...2-1-96; A, 3-15-97]

116.D. CORRECTIVE ACTION: The responsible person must complete Division approved corrective action for releases which endanger public health or the environment. Releases will be addressed in accordance with a remediation plan submitted to and approved by the Division or with an abatement plan submitted in accordance with Rule 19 (19 NMAC 15.A.19). [3-15-97]

Williams Field Services Company

2289 NMED-WATER QUALITY MANAGEMENT [redacted] 07/07/98

INVOICE NUMBER	DESCRIPTION	INVOICE DATE	AMOUNT	DISCOUNT	NET AMOUNT
GW-149	GW-149 Renewal El	04/14/98	50.00	0.00	50.00
			50.00	0.00	50.00

PLEASE DETACH BEFORE DEPOSITING

Williams

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
311

5736-09

DATE	CHECK NO.	NET AMOUNT
07/07/98	[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 Bittick
TREASURER

[redacted]

Williams

295 Chipeta Way
P.O. Box 58900
Salt Lake City, UT 84158-0900
801/583-8800

FAX TRANSMISSION

DATE: July 7, 1998
TO: Jack Ford
COMPANY:
FAX No.:
FROM: Ingrid Deklau
DEPT.:
PHONE No.: **FAX No.:**
PAGES: 2 (Including cover sheet)
SUBJECT:

COMMENTS: Jack -

I just wanted to let you know that our Discharge Plan Renewal for El Cedro is on its way (see attached letter).

July 8 (tomorrow) is 120 days before the current plan expires - we want to keep the existing approved plan active until this renewal is approved.

Thank you

Ingrid

P.S. We had a great weekend in New Mexico! Pancakes at the Plaza! Yum!

Please call if you should have any problems or questions regarding this transmission.

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

July 6, 1998

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

Re: OCD Discharge Plan Renewal: El Cedro Complex (GW-149)

Dear Mr. Ford:

Enclosed, please find Check Number 90211 for $50 to cover the application fee for the Discharge Plan Renewal of Williams Field Services (WFS) El Cedro Complex (GW-149). The information attached serves to update the original discharge plan that was submitted to the OCD in October 1993. For your information, the complete list of documents which constitute the El Cedro Complex Discharge Plan are listed below.

July 6, 1998	WFS application for renewal
April 14, 1998	OCD request for renewal
December 10, 1997	OCD approval of modification
December 5, 1997	WFS application for modification
October 8, 1993	OCD approval of application
August 1993	WFS Application

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

Sincerely,

Ingrid A. Deklau
Environmental Specialist

enclosures

xc: Denny Foust, Aztec OCD Office

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

April 14, 1998

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-947

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

RE: Discharge Plan GW-149 Renewal
El Cedro Compressor Station
San Juan County, New Mexico

Dear Ms. Deklau:

On October 8, 1993, the groundwater discharge plan, GW-149, 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, 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 October 8, 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, 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. 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 **El Cedro 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 $50.00 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/ocd/**).

If the El Cedro Compressor Station 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 357 869 947

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	
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-149	

PS Form 3800, April 1995

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

December 10, 1997

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-869-904

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

RE: Site Modifications Notification
GW-149, El Cedro Compressor Station
San Juan County, New Mexico

Dear Ms. Deklau:

The OCD has received the site modification letter, dated December 5, 1997, from Williams Field Services for the El Cedro Compressor Station GW-149 located in NW/4, Section 31, Township 29 North, Range 5 West, NMPM, San Juan County, New Mexico. **The site modifications are approved without modification to the discharge plan because these modifications would not be considered a modification to the discharge plan as defined in WQCC 3107.C.**

Please note that Section 3104 of the regualtions 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 dischaarge 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

Z 357 869 904

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	Williams Field Services
Post Office, State, & ZIP Code	Salt Lake City
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-149

PS Form 3800, April 1995

WILLIAMS ENERGY GROUP

FIELD SERVICES

December 5, 1997

Mark Ashley
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Re: **Update to El Cedro Compressor Station Discharge Plan GW-149**

Dear Mr. Ashley:

This letter is to inform you of changes at the Williams Field Services El Cedro Compressor Station.

- Change in Section 1.1, Legally Responsible Party. The mail stop in the address listed in the original plan has changed. The correct mail stop is 2G1.

- Change in Section 1.2, Contact Person. The contact person is now Ingrid Deklau, at phone number 801-584-6543.

- Add to Section VII. A methanol injection system has been temporarily installed at the site to prevent freezing in the lines during the winter months. Methanol is stored in a 1000-gallon AST. The tank is set within an earthen berm with 1280-gallon capacity (8'x16'x16"). If it is determined that the tank will be set permanently, an impermeable liner will be installed.

Location?

- Add to Section VII. A 500-gallon gasoline tank and a 500-gallon diesel tank were installed on an impermeable pad within a concrete berm. The tanks will be used for fueling vehicles. The berm provides 574-gallons of containment capacity (9'x17'x0.5'), and is connected to an underground sump which feeds the 150-barrel non-exempt wastewater tank. Periodically, the containment is also used for storage of 55-gallon drums containing products such as corrosion inhibitor, cleaning solvent, and oil.

Soil @ the loading area Protected?

bermed? →

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

Best regards,

Ingrid A. Deklau
Senior Environmental Specialist

xc: Denny Foust, Aztec OCD

295 Chipeta Way ● P.O. Box 58900 ● Salt Lake City, Utah 84108
(801) 583-8800

Mark Ashley = make
Sure Roger sees this.

DISTRICT I
P.O.Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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

SUBMIT 2 COPIES TO APPROPRIATE DISTRICT OFFICE IN ACCORDANCE WITH RULE 116 PRINTED ON BACK SIDE OF FORM

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

OPERATOR: Williams Field Services Company						ADDRESS: (801) 584-6543 295 Chipeta Way Salt Lake City UT 8411[illegible]	TELEPHONE #
REPORT OF	FIRE	BREAK	SPILL: X	LEAK		BLOWOUT	OTHER*
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTRY	PIPE LINE	GASO PLNT	OIL RFY	OTHER*: Amine Plant

FACILITY NAME: El Cedro Complex

LOCATION OF FACILITY Qtr/Qtr Sec. or Footage	SEC.	TWP.	RGE.	COUNTY
NE/4 NW/4	31	29N	5W	Rio Arriba

DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK: 22 miles east of Blanco

DATE AND HOUR OF OCCURRENCE: 7:55 P.M. 7/16/96		DATE AND HOUR OF DISCOVERY: Same	
WAS IMMEDIATE NOTICE GIVEN?	YES: X / NO / NOT REQUIRED	IF YES, TO WHOM: Mr. Denny Foust	
BY WHOM: Ms. Leigh Gooding		DATE AND HOUR: 8:50 AM 7/17/96	
TYPE OF FLUID LOST: Used lube oil and triethylene glycol		QUANTITY OF LOSS: 5 gal 300 gal	VOLUME RECOVERED: 0
DID ANY FLUIDS REACH A WATERCOURSE?	YES: X / NO	QUANTITY: Same	

IF YES, DESCRIBE FULLY**

Please see attached sheet.

RECEIVED
JUL 25 1996
Environmental Bureau
Oil Conservation Division

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**

Please see attached sheet.

RECEIVED
JUL 24 1996
OIL CON. DIV.
DIST. 3

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**

Please see attached sheet.

DESCRIPTION OF AREA	FARMING	GRAZING: X	URBAN	OTHER*

SURFACE CONDITIONS	SANDY	SANDY LOAM: X	CLAY	ROCKY	WET: X	DRY	SNOW

DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**

Heavy rain.

SF 7/24/96

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED: Leigh E. Gooding

PRINTED NAME AND TITLE: Leigh E. Gooding
Sr. Environmental Specialist

DATE: 7/19/96

IF YES, DESCRIBE FULLY

A flash flood swept over the plant at approximately 7:55 PM on July 16, 1996. Rain water flooded the generator building. The water flooded the catch basins located beneath the generator and approximately 5 gallons of lube oil was released. Water also flooded the open drain system which contained approximately 300 gallons of triethylene glycol (TEG). Rain water entered the below-grade waste oil and waste water containment area from the northwest. The waste oil tank broke away from its foundation and floated in the containment area. The oil/water mixture was contained in the pit and did not rise above the earthen berms. The water flowed from north to south across the plant and most likely discharged into the Gobernador Wash. No sheen was visible on the wash.

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN

The cause of the problem was a flash flood. The floor of the generator building was swabbed with oil-absorbent booms. The waste oil and waste water containment area was pumped out and its contents taken to Mesa Oil and D&D Oil for recycling. WFS is currently evaluating methods to improve flood control at the site. A Discharge Plan modification to address flood control will be prepared and submitted for NMOCD approval.

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN

There was no visible evidence of contamination along the wash or along the plant's drainage area.

WILLIAMS FIELD SERVICES
ONE OF THE WILLIAMS COMPANIES

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

July 19, 1996

Mr. Denny Foust
New Mexico Oil Conservation Division
District III Office
1000 Rio Brazos Road
Aztec, New Mexico 87410

Dear Mr. Foust:

Enclosed, please find two copies of the subsequent notification for a release which occurred at the El Cedro Complex on July 16, 1996. Approximately 5 gallons of used lube oil and 300 gallons of triethylene glycol were released during a flash flood. The release was reported to the National Response Center on July 17, 1996.

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: Frank Fort, ELC

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

☒ Telephone ☒ Personal	Time 9:00 AM, 9:10 AM, 10:20 AM	Date 7-17-96

Originating Party	Other Parties
WFS- Leigh Gooding	OCD- Pat Sanchez, RCA, CE, Denny Foust

Subject Rainwater contaminated w/ waste Lube oil AT EL CEDRO (GW-149)

Discussion WFS called to Notify OCD that the Used Lube Berm to the Northwest part of the facility had 1 ∩ contaminated w/ a spill due to a flash flood and they Needed to dispose. Per feed back from D.F, RCA, CE, and myself - Basin "Cannot" accept this water and TNT can only take it w/ a certification of waste status and an approved form C-138. (Non-exempt/Non-Hazd.

Conclusions or Agreements

Ms. Gooding is going to send the waste oil/water to their approved waste oil Recycler. i.e. D & D and Mesa. (Note: these facilites already Handle the waste oil for recycling.)

Distribution Denny Foust, File,

Signed Pat Sanchez

Bobby

DISTRICT I
P.O.Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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

RECEIVED
94 APR 13 AM 8 50

SUBMIT 2 COPIES TO APPROPRIATE DISTRICT OFFICE IN ACCORDANCE WITH RULE 116 PRINTED ON BACK SIDE OF FORM

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

OPERATOR: Williams Field Services						ADDRESS: PO Box 58900, SLC, UT 84158	TELEPHONE #: (801) 584-6999
REPORT OF	FIRE	BREAK	SPILL X	LEAK		BLOWOUT	OTHER*
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTRY	PIPE LINE	GASO PLNT	OIL RFY	OTHER* Natural Gas Proeessing Plant

FACILITY NAME: El Cedro - Esperanza

LOCATION OF FACILITY Qtr/Qtr Sec. or Footage	SEC.	TWP.	RGE.	COUNTY
NE ,NW	31	29N	5W	Rio Arriba

DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK: Approx. ½ mi NW of the Old Gobernador School

DATE AND HOUR OF OCCURRENCE: 3-16-94 10:30 pm				DATE AND HOUR OF DISCOVERY: 3-16-94 10:30 pm	
WAS IMMEDIATE NOTICE GIVEN?	YES xx	NO	NOT REQUIRED	IF YES, TO WHOM: Denny Foust	
BY WHOM: Lee Bauerle				DATE AND HOUR: 3-21-94	
TYPE OF FLUID LOST: 200 gal glycol TEG and 50 gal Amine				QUANTITY OF LOSS: 200 & 50 gal	VOLUME RECOVERED
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO xx	QUANTITY: None - Liquids contained on site		

IF YES, DESCRIBE FULLY**

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**

The plant experienced an Emergency Shut Down (ESD) caused by an AC power failure. The ESD vent blew down too rapidly and caused TEG and Amine flow into the fuel gas and vent. WFS is evaluating orifice plate sizing to control vent.

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**

The spill affected a area approximately 220 square feet within the station yard. The spill was contained and liquids recovered by spreading absorbent SphagSorb. On site technology assisted in the cleanup. Contaminated material was taken to Tiera Land Fill.

DESCRIPTION OF AREA	FARMING	GRAZING xx	URBAN	OTHER*

SURFACE CONDITIONS	SANDY	SANDY LOAM xx	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 H. Lee Bauerle PRINTED NAME AND TITLE H. Lee Bauerle Environmental Specialist DATE 4/7/94

*SPECIFY SE 4/11/94 **ATTACH ADDITIONAL SHEETS IF NECESSARY

Kathy Brown

WILLIAMS FIELD SERVICES
ONE OF THE WILLIAMS COMPANIES

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

OIL CONSERVATION DIVISION
RECEIVED
'94 MAR 10 AM 8 39

March 3, 1994

RECEIVED
MAR 07 1994
OIL CON. DIV.
DIST. 3

Mr. Denny Foust
State of New Mexico
Energy, Minerals and
Natural Resources Dept.
Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

SUBJECT: Request for Disposal Approval

Dear Denny:

Included in the January 27, 1994 Oil Conservation Division (OCD) letter authorizing disposal of hydrostatic test water, was a condition requiring Williams Field Services (WFS) to submit a notification to OCD concerning the disposal of solid material resulting from the water discharge.

Be advised, that there were little or no solids filtered from the hydrostatic test water. The only solid material generated was the used filters. These filters were the same type used in amine filtration.

As such, WFS plans to handle and dispose of the filters used for water filtration in the same manner as those used for amine.

These filters are currently profiled for acceptance at the San Juan County Regional landfill near Farmington, NM.

When a sufficient quantity of these filters are accumulated, WFS will notify the waste transporter and have all filters picked up for disposal.

Consistent with the requirements of the above referenced correspondence, WFS seeks your approval of this action.

If you have any questions, please call me at 801-584-6361 or Lee Bauerle at 801-584-6999.

Respectfully,

Mark Harvey
Environmental Services

Call Denny

pc: Lee Bauerle-WFS

WDCC

295 Chipeta Way, Salt Lake City, UT 84158

RCA: OK

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

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

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

March 31, 1994

CERTIFIED MAIL
RETURN RECEIPT NO. P-176-012-082

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

Re: Disposal Request
El Cedro Compressor Station
San Juan County, New Mexico

Dear Mr. Campbell:

The Oil Conservation Division (OCD) has received your request, dated March 3, 1994, for approval to remove and dispose of filters used for filtering hydrostatic test waters at your El Cedro Compressor Station. Based upon the information provided, your disposal request is approved.

Please be advised that this approval does not relieve you of liability should your operation result in actual pollution of surface or groundwater or the environment actionable under other laws and/or regulations.

If you have any questions, please do not hesitate to call me at (505) 827-5824.

Sincerely,

Chris E. Eustice
Environmental Geologist

xc: OCD Aztec Office, Denny Foust

WILLIAMS FIELD SERVICES
ONE OF THE WILLIAMS COMPANIES

P.O. Box 58900
Salt Lake City, Ut 84158-0900
(801) 584-8800
FAX: (801) 584-6483

January 21, 1994

Mr. Bill Olson
New Mexico Oil Conservation Division
State Office Building
310 Old Santa Fe Trail
Santa Fe, NM 87504

Re: Hydrostatic Test Water Discharge Proposal

Dear Mr. Olson:

Pursuant to a recent telephone conversation with Mr. Denny Faust of your Aztec office, Williams Field Services (WFS) is proposing to dispose of hydrostatic test water. The tests will be conducted by the end of January on the new gas processing facilities constructed at the El Cedro Compressor Station. The site is located in Section 31, Township 29 North, Range 5 West, Rio Arriba County.

The test will include new and used sections of piping and will require approximately 90,000 gallons of water. Water used in the test will be deionized water form the WFS Milagro Plant. The water will be pumped through the systems and filters will be used to remove any dirt, debris, rust or scale that may be in the systems. Solids removed in the filters will be disposed of at an approved landfill.

After the test is complete, the water will be trucked to an existing fenced lined earthen evaporation pond on WFS property. The pond is located in the Southeast quarter of the Northeast quarter of Section 13, Township 29 North, Range 11 West. The pit area is 200' x 225' x 9' deep with a 12 mil polyethylene pit liner in place. The area is secured by a 4' hog wire fence with one (1) strand of barbed wire. The depth to ground water is estimated to be 50 to 80 feet at the location of the disposal pit and subsurface seepage will be prevented with the pit liner. A drawing showing the location is attached.

If any additional information is needed, please call me at (801) 584-6999. Your response is needed so we can scheduled the test the end of next week.

Sincerely,

H. Lee Bauerle
Environmental Specialist

295 Chipeta Way, Salt Lake City, UT 84158

S/2 SEC.12, T.29 N., R.11 W., N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO.

SOURCE & DISCHARGE LOCATION

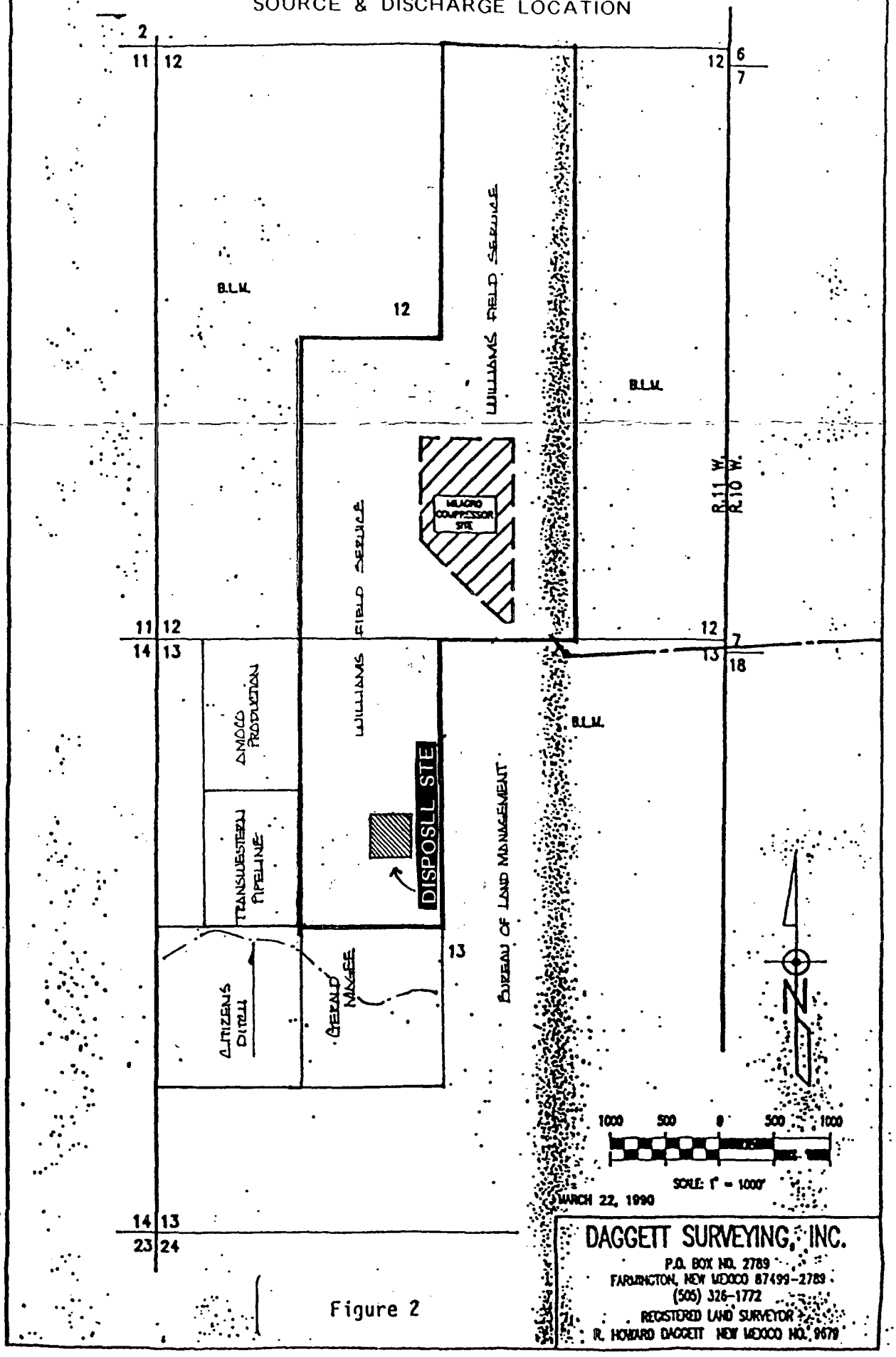


Figure 2

DAGGETT SURVEYING, INC.
P.O. BOX NO. 2789
FARMINGTON, NEW MEXICO 87499-2789
(505) 326-1772
REGISTERED LAND SURVEYOR
R. HOWARD DAGGETT NEW MEXICO NO. 9679

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

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

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

January 27, 1994

CERTIFIED MAIL
RETURN RECEIPT NO. P-111-334-298

Mr. Lee Bauerle
Williams Field Services
P.O. Box 58900
Salt Lake City, Utah

Re: **Hydrostatic Test Water Discharge**
San Juan County, New Mexico

Dear Mr. Bauerle:

The Oil Conservation Division (OCD) has received your request, dated January 21, 1994, for authorization to discharge approximately 90,000 gallons of waste water from the hydrostatic testing of new and used sections of pipeline located at your El Cedro Compressor Station.

Based on the information provided in your request, the hydrostatic test water discharge is hereby approved subject to the following conditions:

1. The test water will be discharged into a lined pit owned by Williams Field Service Company located in the SE/4 NE/4 of Section 13, Township 29 North, Range 11 West, NMPM, San Juan County, New Mexico.

2. The liquids will be allowed to evaporate in the lined pit.

3. Disposal of any solids that accumulate as a result of the discharge will only occur after the OCD receives and approves a request for disposal.

Pursuant to WQCC Regulation 3-106.B, this approval will allow you to discharge without an approved discharge plan for a period not to exceed 120 days. If the site is to be used for more than one test discharge, formal reapplication must be made. If the discharge exceeds 120 days, a formal discharge plan must be submitted for review.

Please be advised that this approval does not relieve you of liability should your operation result in actual pollution of surface water, ground water, or the environment actionable under other laws and/or regulations.

If there are any questions, please call Chris Eustice at (505) 827-5824.

Sincerely,

William J. LeMay
Director

WJL/cee

xc: Denny Foust, OCD Aztec Office

WILLIAMS FIELD SERVICES
ONE OF THE WILLIAMS COMPANIES

P.O. Box 58900
Salt Lake City, Ut 84158-0900
(801) 584-6800
FAX: (801) 584-6483

January 21, 1994

Mr. Bill Olson
New Mexico Oil Conservation Division
State Office Building
310 Old Santa Fe Trail
Santa Fe, NM 87504

Re: Hydrostatic Test Water Discharge Proposal

Dear Mr. Olson:

Pursuant to a recent telephone conversation with Mr. Denny Faust of your Aztec office, Williams Field Services (WFS) is proposing to dispose of hydrostatic test water. The tests will be conducted by the end of January on the new gas processing facilities constructed at the El Cedro Compressor Station. The site is located in Section 31, Township 29 North, Range 5 West, Rio Arriba County.

The test will include new and used sections of piping and will require approximately 90,000 gallons of water. Water used in the test will be deionized water form the WFS Milagro Plant. The water will be pumped through the systems and filters will be used to remove any dirt, debris, rust or scale that may be in the systems. Solids removed in the filters will be disposed of at an approved landfill.

After the test is complete, the water will be trucked to an existing fenced lined earthen evaporation pond on WFS property. The pond is located in the Southeast quarter of the Northeast quarter of Section 13, Township 29 North, Range 11 West. The pit area is 200' x 225' x 9' deep with a 12 mil polyethylene pit liner in place. The area is secured by a 4' hog wire fence with one (1) strand of barbed wire. The depth to ground water is estimated to be 50 to 80 feet at the location of the disposal pit and subsurface seepage will be prevented with the pit liner. A drawing showing the location is attached.

If any additional information is needed, please call me at (801) 584-6999. Your response is needed so we can scheduled the test the end of next week.

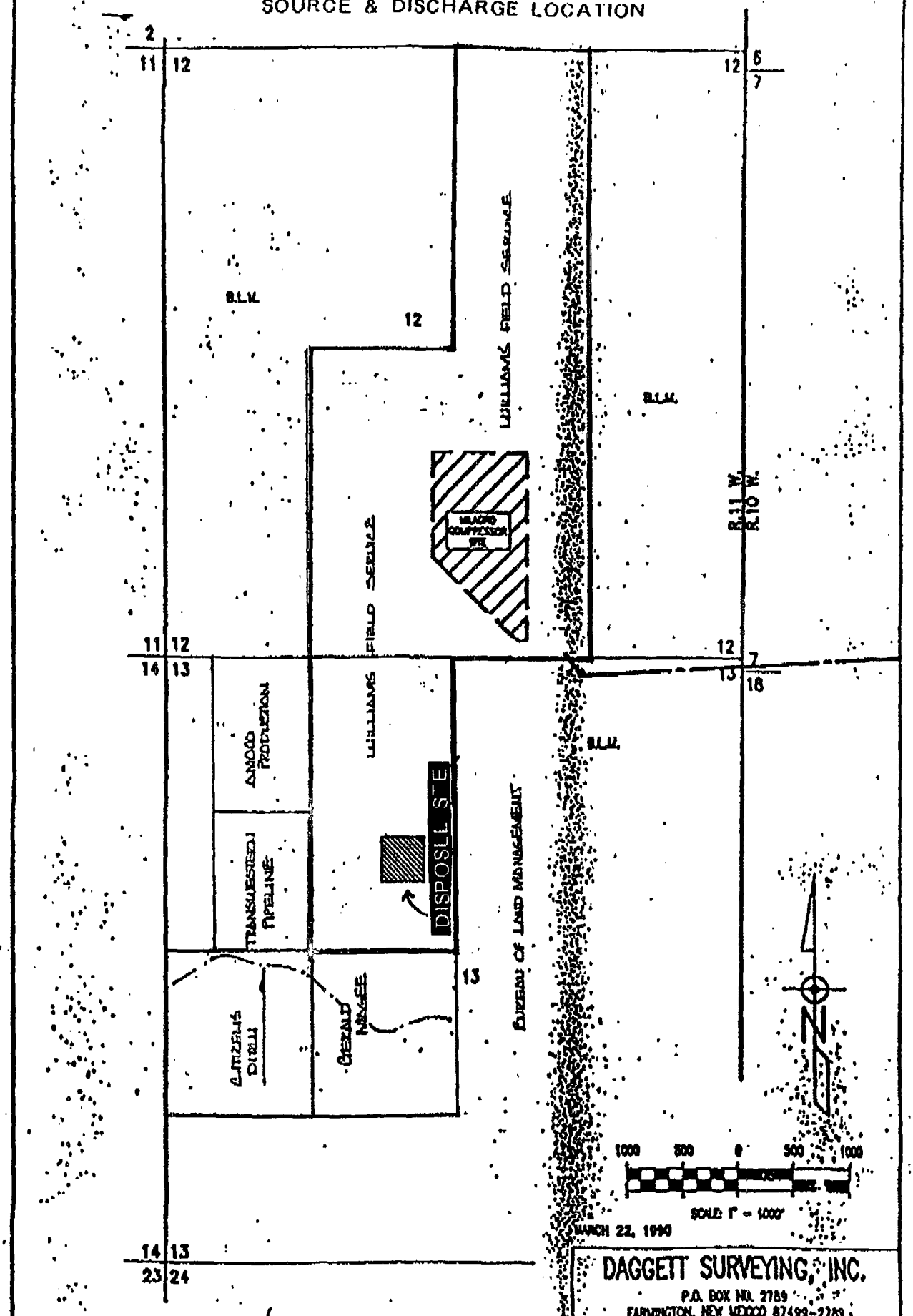
Sincerely,

H. Lee Bauerle
Environmental Specialist

801 584 7751

S/2 SEC.12, T.29 N., R.11 W., N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

SOURCE & DISCHARGE LOCATION



DAGGETT SURVEYING, INC.
P.O. BOX NO. 2789
FARMINGTON, NEW MEXICO 87499-2789
(505) 326-1772
REGISTERED LAND SURVEYOR

Figure 2

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No [redacted] dated 11/09/93,
or cash received on 11/18/93 in the amount of $ 1380.00
from Williams Field Services Company
for El Cedro Compressor Station (Facility Name) GW-149 (DP No.)
Submitted by: _____ Date: _____
Submitted to ASD by: Kathy Brown Date: 11/18/93
Received in ASD by: Chris Wall Date: 11/18/93

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

Organization Code 521.07 Applicable FY 94

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
11/09/93	[redacted]	******1,380.00

PAY

ONE THOUSAND THREE HUNDRED EIGHTY AND 00/100 DOLLARS

TO THE ORDER OF

ST OF NEW MEXICO/OIL CONS DV@@
ENERGY & MINERALS & NATL RES DP
P. O. BOX 2088
SANTA FE, NM
87504

[redacted]

WILLIAMS FIELD SERVICES COMPANY

VICE PRESIDENT
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

November 9, 1993

Mr. William J. LeMay
Energy, Minerals and Natural Resources Department
Oil Conservation Division
State Land Office Building
Santa Fe, NM 87504

RE: Discharge Plan (GW-149)
El Cedro Compressor Station
Rio Arriba County, New Mexico

Dear Mr. LeMay:

Pursuant to your October 8, 1993 letter to Mr. Peacock of Williams Field Services and in accordance to WQCC Regulation 3-114, I am enclosing a check for $1380.00 to cover the discharge plan fee for the above referenced facility.

If any additional information is needed, please call me at (801) 584-6999.

Sincerely,

H. Lee Bauerle
Environmental Specialist

xc: Robert Peacock WFS

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

Notice is hereby given that pursuant to New Mexico Oil Conservation Commission Regulations, the following application for a commercial surface waste disposal facility has been submitted for approval 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-149) - Williams Field Service, H. Lee Bauerle, Environmental Specialist, P.O. Box 58900, M.S. 10368, Salt Lake City, Utah 84158-0900, has submitted a discharge plan application for their El Cedro Compressor Station located in the NW/4, Section 31, Township 29 North, Range 5 West, NMPM, Rio Arriba 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 146 feet with a total dissolved solids concentrations of approximately 2000 mg/l. The discharge plan addresses how spill, leaks, and other accidental discharges to the surface will be managed.

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

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

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 24th day of August, 1993.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
William J. LeMay
Director

Journal: September 1, 1993

STATE OF NEW MEXICO
County of Bernalillo ss

Paul D. Campbell being duly sworn declares and says that he is National Advertising Manager of **The Albuquerque Journal**, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has been made or assessed as court costs; that the notice, copy of which is hereto attached, was published in said paper in the regular daily edition, for 1 times, the first publication being on the 1 day of Sept., 1993, and the subsequent consecutive publications on _____, 1993

Paul D Campbell

Sworn and subscribed to before me, a notary Public in and for the County of Bernalillo and State of New Mexico, this 1 day of Sept 1993.

Bernadette Ortiz

12-18-93

PRICE $31.62

Statement to come at end of month.

CLA-22-A (R-1/93) ACCOUNT NUMBER C 81184

Affidavit of Publication

STATE OF NEW MEXICO }
County of Rio Arriba } ss.

I, Robert Trapp, being first duly sworn, declare and say that I am the Publisher of the Rio Grande Sun, a weekly newspaper, published in the English language, and having a general circulation in the City of Espanola and County of Rio Arriba, State of New Mexico, and being a newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 of the Session Laws of 1937; that the publication, a copy of which is hereto attached,

was published in said paper once each week for ..... consecutive weeks, and on the same day of each week in the regular issue of the paper during the time of publication, and that the notice was published in the newspaper proper, and

not in any supplement, the first publication being on the 2nd day of Sept. 1993 and the last publication on the 2nd day of Sept. 1993, that payment for said advertisement has been (duly made), or (assessed as court costs); that the undersigned has personal knowledge of the matters and things set forth in this affidavit.

Robert Trapp
Publisher

Subscribed and sworn to before me this 2nd day of Sept., A.D., 1993

Lori L. Trapp
Notary Public

My Commission expires
5-1-97

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

Notice is hereby given that pursuant to the New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, State Land Office Building, P.O. Box 2088, Santa Fe, New Mexico, 87504-2088, Telephone (505) 827-5800:

(GW-149) - Williams Field Service, H. Lee Bauerle, Environmental Specialist, P.O. Box 58900, M.S. 10368, Salt Lake City, Utah 84158-0900, has submitted a discharge plan application for their El Cedro Compressor Station located in the NW/4, Section 31, Township 29 North, Range 5 West, NMPM, Rio Arriba County, New Mexico. Approximately gallons per day of wastewater with a total dissolved solids concentration of approximately 1100 mg/l is stored in an above ground steel tank prior to transport to OCD approved off-site disposal facility. Groundwater most likely to be affected by an accidental discharge is at a depth of approximately feet with a total dissolved solids concentrations of approximately 2000 mg/l. The discharge plan addresses how spill, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday thru Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Request for public hearing shall set 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 24th day of August, 1993.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

/s/ WILLIAM J. LEMAY,
Director

(SEAL)

(Published September 2, 1993.)

RECEIVED
SEP 10 1993
CONSERVATION

P - Job Printing — OS - Office Supplies — CA - Classified Advertising — DA - Display Advertising — SS - Stand Sales

1½% interest per month, 18% per year, will be charged on unpaid balance after 30 days

UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Ecological Services
Suite D, 3530 Pan American Highway, NE
Albuquerque, New Mexico 87107

September 7, 1993

Mr. William J. Lemay
Director, State of New Mexico
Oil Conservation Division
P.O. Box 2088
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 August 23, 1993, regarding the Oil Conservation Division (OCD) discharge plan applications submitted by Williams Field Service on fish, shellfish, and wildlife resources in New Mexico.

The Service has the following comments on the issuance of the following discharge permit:

> GW-149 Williams Field Service, El Cedro Compressor Station located NW1/4, Section 31, T29N, R5W, Rio Arriba County, New Mexico. Approximately 10 gallons per day of washdown water will be stored in an above ground steel tank prior to transport to an OCD approved off-site 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 that accidental spills could be potentially toxic to natural resources for which the Department of the Interior is a trustee (e.g. migratory birds, endangered species, etc.).

The above ground steel tanks capacities 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 tanks should be exposed entirely to visually detect leaks. If leaks are detected surface soil monitoring and runoff prevention measures should be implemented. The permit requests did not disclose whether the tanks were completely closed. If the top is open, the tank should be netted to remove any potential threats to endangered species or to migratory birds that may be found in the area.

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

Sincerely,

for Jennifer Fowler-Propst
State 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

NOTICE OF PUBLICATION

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

Notice is hereby given that pursuant to the New Mexico Water Quality Control Commission Regulations, the following discharge plan application has been submitted to the Director of the Oil Conservation Division, State Land Office Building, P.O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505) 827-5800:

(GW-149) - Williams Field Service, H. Lee Bauerle, Environmental Specialist, P.O. Box 58900, M.S. 10368, Salt Lake City, Utah 84158-0900, has submitted a discharge plan application for their El Cedro Compressor Station located in the NW/4, Section 31, Township 29 North, Range 5 West, NMPM, Rio Arriba 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 146 feet with a total dissolved solids concentrations of approximately 2000 mg/l. The discharge plan addresses how spill, leaks, and other accidental discharges to the surface will be managed.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application may be viewed at the above address between 8:00 a.m. and 4:00 p.m., Monday thru Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Request for public hearing shall set 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 24th day of August, 1993.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

William J. LeMay
by

SEAL

WILLIAM J. LEMAY, Director

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 6/2/93,
or cash received on 8/23/93 in the amount of $ 50.00
from Williams Field Service Company
for El Cedro Compressor Station (Facility Name) GW-149 (DP No.)
Submitted by: _____ Date: _____
Submitted to ASD by: Kathy Brown Date: 8/23/93
Received in ASD by: Rose Atencio Date: 8/23/93

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

Organization Code 521.07 Applicable FY 94

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

DATE	CHECK NO.	NET AMOUNT
06/02/93	[redacted]	*********50.00

PAY

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

[redacted]

RECEIVED
AUG 19 1993
OIL CONSERVATION DIV.
SANTA FE

DISCHARGE PLAN

EL CEDRO COMPRESSOR STATION

Williams Field Services Company

August 1993

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

August 18, 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 for El Cedro Compressor Station - Rio Arriba County

Dear Mr. Anderson:

Enclosed please find three copies of the Williams Field Services Discharge Plan for the El Cedro Compressor Station. El Cedro is an existing station which will undergo a major modification.

I am also enclosing a check for $50.00 to cover the application fee for the above referenced project.

Williams Field Services' Engineering Department has not yet received the final engineering drawings for the modifications at this compressor station. The site plans for the facility will be submitted to you as soon as they are available.

Your assistance in processing this discharge plan is appreciated. If you need to contact me, please call me at (801) 584-6999.

Sincerely,

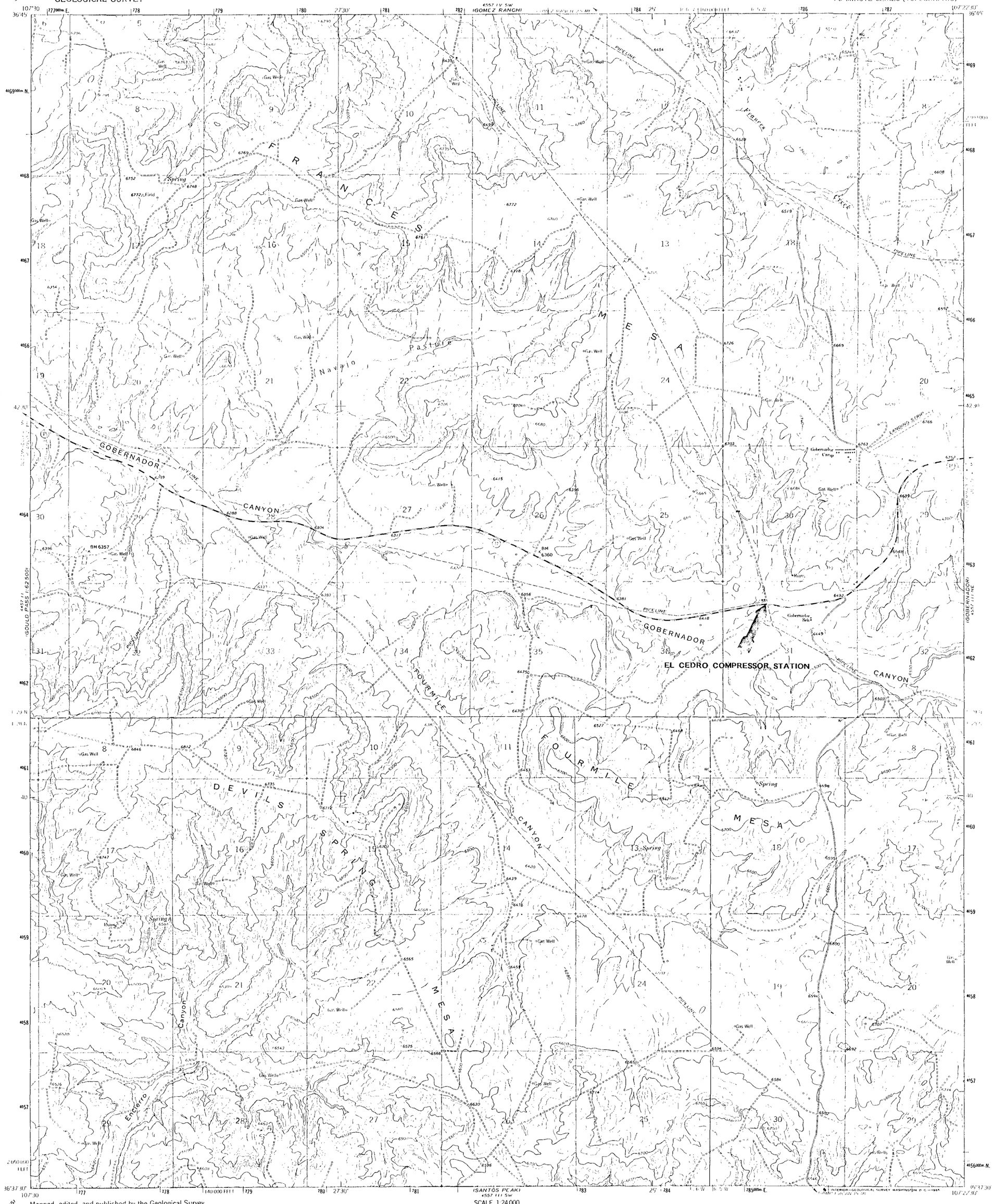
H. Lee Bauerle
Environmental Specialist

Attachments

xc: D. Compton, 10309

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FOURMILE CANYON QUADRANGLE
NEW MEXICO-RIO ARRIBA CO
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1958 and 1962. Field checked 1963

Polyconic projection. 1927 North American datum
10,000 foot grid based on New Mexico coordinate system, central zone
1000 meter Universal Transverse Mercator grid ticks, zone 13, shown in blue

Fine red dashed lines indicate selected fence lines

Entire area is within the San Juan Gas Field

UTM GRID AND 1963 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24000

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

EXHIBIT 1

ROAD CLASSIFICATION
Medium-duty — Light-duty
Unimproved dirt
State Route

NEW MEXICO
QUADRANGLE LOCATION

FOURMILE CANYON, N. MEX.
N3637.5-W10722.5/7.5
1963

AMS 4557 III NW-SERIES V881

1.0 GENERAL INFORMATION

1.1 Legally Responsible Party

Williams Field Services
P.O. Box 58900, M.S. 10368
Salt Lake City, Utah 84158-0900

Contact Person

H. Lee Bauerle, Environmental Specialist
(801) 584-6999
Address, Same as Above

1.2 Location of Discharge

The existing El Cedro Compressor Station is located in the NW of Section 31, Township 29 North, Range 5 West, Rio Arriba County. A vicinity map is attached (Fourmile Canyon, New Mexico) as Exhibit 1. A site plan of the existing facility is provided as Exhibit 2. The original Compressor Station, constructed in 1981, consists of approximately 5 acres.

1.3 Type of Natural Gas Operation

The El Cedro Compressor Station, originally constructed in 1981, currently provides metering and compression services to various producers for the gathering of coal seam methane gas (Fruitland Coal Formation) on a contract basis for delivery to the WFS Milagro CO_2 Removal Plant near Bloomfield, New Mexico. In addition, pig launching and receiving facilities for both conventional and coal seam gas are also located within the compressor station yard. Scheduled modifications to this facility will provide additional compression, as well as CO_2 removal capabilities for coal seam gas.

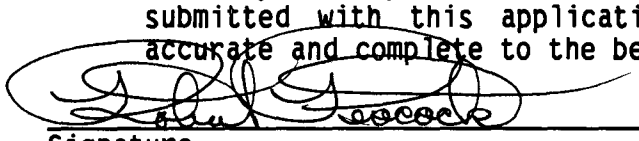
Two (2) 10,860 HP Solar Mars turbines and five (5) 1000 HP Waukesha 7042GL units are currently located at the site. Scheduled modifications to this facility include the installation five additional Waukesha 7042GL skid mounted, self contained, natural gas fired lean-burn compressor units and one (1) skid mounted, self contained 66 MMSCFD glycol dehydrator. In addition, a 80 MMSCFD hot-glycol heated, amine CO_2 removal facility is also planned for this site.

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

excess of 3000 HP

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 — August 17, 1993 (Date)

Robert Peacock (Name) — Project Manager (Title)

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 quality type. Material Safety Data Sheets (MSDS) for glycol, oil, heat transfer fluid (triethylene glycol) used in the equipment and the Ucarsol CR 422 (or equivalant) which will be used in the CO_2 removal plant 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.

Sample	Parameters
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 El Cedro Compressor Station.

2.2 Spill/Leak Prevention and Housekeeping Procedures

Williams Field Services (WFS) personnel will operate and maintain the facility. The facility will be inspected several times per week at a minimum and a operators 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.

Environmental Protection will be handled as follows:

POLLUTION/HAZARDOUS WASTE. Plant operators shall take all necessary precautions to control pollution of any kind resulting from the operation of the Compression and Amine Process Equipment. All hazardous substances, hazardous wastes and oil will be managed to prevent contamination of property and associated surface and groundwater resources.

WFS will comply with all applicable spill reporting and record keeping requirements of federal, state and local laws and regulations pertaining to hazardous substances, hazardous wastes and oil. WFS 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, Types, and Waste Handling of Process Fluids

Source	Disposition	Quantity	Waste Type	Additives
Compressor Engines	Collected Separately in Tank	1250 gal each quarter	Used Motor Oil	None
Glycol Dehydrator	Collected Separately in Evaporation Steam Line	30 gpd	Distilled Water with minor hydrocarbons	Triethylene Glycol
Gas Inlet Separator	Collected Separately in Blowdown Tank	trace, available for upsets	High TDS Water with hydrocarbons	None
Washdown water	Collected Separately in Tank	Intermittent	Rainwater, Tapwater with Traces of Used Motor Oil & TEG	Soap
Lube Oil	Compressor Engines	Small Drips and Spills	Motor Oil	None
Hot TEG Plant Vessels and Piping	Contained in Vessels and Piping	Small Drips and Spills	Hot TEG Heat Transfer Fluid	None
Amine Plant Vessels and Piping	Contained in Amine Plant Vessels and Piping	Small Drips and Spills	Amine	None
Pigging Fluids	Collected Separately in Tank	Variable	Condensate and Water	None

Volume ? 0

For compressor overflow containment, the tanks on the 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.

The amine CO_2 removal facility will be an outside process area with pumps enclosed in buildings. All spilled materials will drain to a catch basin and drain to a sump which will pump to a storage tank. The amine plant will be operated using exhaust heat from the two turbines located at the facility. The heat will be transferred to the amine plant using an closed loop hot TEG heat transfer fluid. Heat transfer fluid storage tanks will be located in a bermed area.

The two existing Solar turbines are located in an enclosed building and all spills drain to a sump area from where the fluids can be pumped out.

The plant glycol dehydrator will be skid mounted with a belly plate and drain to a closed system with sufficient volume to contain any spills.

Spill containment dikes around the bulk storage tanks will contain the volume of the largest vessel plus sufficient freeboard. Spill containment is also provided around the tank loading valves.

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).

Surface runoff will be diverted around the site by the use of drainage ditches. Surface runoff within the site will drain by sheet flow to the south.

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, B31.3 Gas Plant Piping Systems.

2.3 Disposal of Waste Fluids

The storage 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.

Distilled water vapor, which condenses within the steam line of the glycol regeneration process, is collected separately in a standpipe adjacent to each dehydrator (Plant and Compression). The water drains by gravity from

the standpipe to a tank in a closed piping system and is trucked from the site to an NMOCD authorized disposal facility.

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.

Wash down waste water and spilled liquids under the fin fan coolers and heat exchangers in the plant will be contained in a cement curbed pad and piped to a closed drain system with a sump pump to a storage tank.

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 El Cedro Compressor Station is located in the NW of Section 31, Township 29 North, Range 5 West, Rio Arriba County, on the north side of Gobernador Wash approximately 1 mile east of the old Gobernador School. The graded site elevation is approximately 6,450 feet above sea level and the site is underlain by Quaternary alluvium. The current site is completely graveled. The surrounding area is vegetated with sage brush, prickly pear cactus, and other native grasses.

The site is located on the north side of Gobernador Canyon in a small unnamed drainage. Intermittent drainage from Gobernador Canyon ultimately drains into the San Juan River, approximately 18 miles northwest of the station site at an elevation of 5,650 feet. A review of the available hydrologic data[1] for this area revealed that the closest documented source of ground water down-gradient of this site the alluvial deposits of Gobernador Canyon. Ground water within these alluvial deposits flows northwest toward the San Juan River and is expected to have a total dissolved solids content of approximately 2,000 mg/l.

In addition, several ground water wells have been drilled near the site. A list of these wells and available information follows:

Location	Name	Depth	Water-Bearing Unit	Date	TDS
1. Sec. 31, T29N R5W	El Paso	142'		1954	
2. Sec. 31, T29N R5W	El Paso	765'		1954	
3. Sec. 20, T29N R6W	Shell Oil	219'	Tsj	11-17-74	---
4. Sec. 21, T29N R6W	Porter Smith	290'	Tsj	11-28-68	---
5. Sec. 29, T29N R6W	EPNG 29-6 #1	1,209'	Tsj	02-04-70	1,885 mg/l on 5-22-73 3,400 mg/l on 7-31-74
6. Sec. 35, T29N R6W	El Paso	365		1956	

4. Sec. 15, T29N R7W	Gobernador Oil	400'	Tsj	---	---
5. Sec. 23, T29N R7W	John Pettus	225'	Tsj	---	---

B. Flood Protection

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

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1. Klausing, 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.

EXHIBIT "A"
MATERIAL SAFETY DATA SHEETS

MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN

REVISED: 12/08/89

********** I. PRODUCT IDENTIFICATION **********

MOBIL PEGASUS 485

SUPPLIER:
MOBIL OIL CORP.

CHEMICAL NAMES AND SYNONYMS:
PET. HYDROCARBONS AND ADDITIVES

USE OR DESCRIPTION:
INDUSTRIAL LUBRICANT

HEALTH EMERGENCY TELEPHONE:
(609) 737-4411

TRANSPORT EMERGENCY TELEPHONE:
(800) 424-9300 (CHEMTREC)

PRODUCT TECHNICAL INFORMATION:
(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 (APPROX)	EXPOSURE LIMITS MG/M3	PPM	SOURCES (AND NOTES)
POTENTIALLY HAZARDOUS INGREDIENTS:				
NONE				
OTHER INGREDIENTS:				
REFINED MINERAL OILS	>90			
ADDITIVES AND/OR OTHER INGREDS.	<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 Z, 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 GALLOWS ROAD, FAIRFAX, VA 22037 (703) 849-3265

********** APPENDIX **********

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

MATERIAL SAFETY DATA SHEET

Dow Chemical U.S.A.* Midland, MI 48674 Emergency Phone: 517-636-4400

PRODUCT NAME: TRIETHYLENE GLYCOL - TECHNICAL

Effective Date: 03/20/88 Date Printed: 05/10/88 MSDS:000271

1. INGREDIENTS:

Triethylene glycol	CAS# 000112-27-6	99%

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

2. PHYSICAL DATA:

BOILING POINT: 545.9F; 286C
VAP PRESS: < 1.0 mmHg @ 20C
VAP DENSITY: 5.18
SOL. IN WATER: Completely miscible
SP. GRAVITY: 1.1 @ 25/25C
APPEARANCE: Colorless liquid.
ODOR: Mild odor.

3. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: 350F; 177C
METHOD USED: PMCC

FLAMMABLE LIMITS
LFL: 0.9%
UFL: 9.2%

EXTINGUISHING MEDIA: Water fog, alcohol resistant foam, CO2, dry chemical.

FIRE & EXPLOSION HAZARDS: Not available.

FIRE-FIGHTING EQUIPMENT: Wear positive pressure self-contained

(Continued on Page 2)

3. FIRE AND EXPLOSION HAZARD DATA: (CONTINUED)

breathing apparatus.

4. REACTIVITY DATA:

STABILITY: (CONDITIONS TO AVOID) Will ignite in air at 700F.

INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID) Oxidizing material.

HAZARDOUS DECOMPOSITION PRODUCTS: Burning produces normal products of combustion, including carbon monoxide, carbon dioxide, and water.

HAZARDOUS POLYMERIZATION: Will not occur.

5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS: Small spills: - Soak up with absorbent material and collect for disposal. Large spills: dike to prevent contamination of waterways, then pump into suitable containers for disposal.

DISPOSAL METHOD: Burn in an approved incinerator in accordance with all local, state, and federal requirements.

6. HEALTH HAZARD DATA:

EYE: Essentially nonirritating to eyes.

SKIN CONTACT: Prolonged or repeated exposure may cause skin irritation. May cause more severe response if skin is abraded

(scratched or cut).

SKIN ABSORPTION: A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful

(Continued on Page 3)

6. HEALTH HAZARD DATA: (CONTINUED)

amounts. The dermal LD50 has not been determined.

INGESTION: Single dose oral toxicity is low. Amounts ingested incidental to industrial handling are not likely to cause injury; however ingestion of larger amounts may cause injury. The oral LD50 for rats is 16,800-22,060 mg/kg.

INHALATION: No adverse effects are anticipated from inhalation.

SYSTEMIC & OTHER EFFECTS: Based on available data, repeated exposures are not anticipated to cause any significant adverse effects. Did not cause cancer in long-term animal studies. Birth defects are unlikely. Exposures having no adverse effects on the mother should have no effect on the fetus. In animal studies, has been shown not to interfere with reproduction.

7. FIRST AID:

EYES: Irrigate immediately with water for at least five minutes.

SKIN: Wash off in flowing water or shower.

INGESTION: Induce vomiting if large amounts are ingested. Consult medical personnel.

INHALATION: Remove to fresh air if effects occur. Call a physician.

NOTE TO PHYSICIAN: No specific antidote. Supportive care. Treatment based on judgment of the physician in response to the patient.

(Continued on Page 4)

8. HANDLING PRECAUTIONS:

EXPOSURE GUIDELINE: None established.

VENTILATION: Good general ventilation should be sufficient.

RESPIRATORY PROTECTION: In misty atmospheres, use an approved mist respirator.

SKIN PROTECTION: For brief contact, no precautions other than clean body-covering clothing should be needed.

EYE PROTECTION: Use safety glasses.

9. ADDITIONAL INFORMATION:

REGULATORY REQUIREMENTS:

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Not to have met any hazard category

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Practice reasonable care to avoid exposure.

Trace quantities of ethylene oxide (EO) may be present in this product. While these trace quantities could accumulate in headspace areas of storage and transport vessels, they are not expected to create a condition which will result in EO concentrations greater than 0.5 ppm (8 hour TWA) in the breathing zone of the workplace for appropriate applications. OSHA has established a permissible exposure limit of 1.0 ppm 8 hr TWA for EO. (Code of Federal Regulations Part 1910.1047 of Title 29).

(Continued on Page 5)

9. ADDITIONAL INFORMATION: (CONTINUED)

MSDS STATUS: Revised Section 9.

Distributed by
Coastal Chemical Company

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

TEXACO
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:
78024 TRIETHYLENE GLYCOL

Chemical Name and/or Family or Description:
Glycol

Manufacturer's Name and Address:
Texaco Chemical Company
P.O. Box 27707 Houston, TX 77227

Telephone Numbers:
TRANSPORTATION EMERGENCY Company: (409) 727-0831 CHEMTREC: (800) 424-9300
HEALTH EMERGENCY Company: (914) 831-2400
GENERAL MSDS ASSISTANCE (914) 828-7204
TECHNICAL INFORMATION Fuels: (914) 828-7396; Lubricants/Antifreezes: (914) 828-7808
Chemicals: (512) 488-6548

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	Range 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

HMIS				NFPA			
Health:	0	Reactivity:	0	Health:	0	Reactivity:	0
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.

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

PRODUCT CODE: 78024
PRODUCT NAME: TRIETHYLENE GLYCOL

Date Issued: 12/10/91
Supercedes: 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): 328 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.

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

PRODUCT CODE: 79034
PRODUCT NAME: TRIETHYLENE GLYCOL

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

5. FIRE-FIGHTING MEASURES (CONT)

Unusual or Explosive Hazards:
None

6. ACCIDENTAL RELEASE MEASURES (Transportation Spills Call: CHEMTREC (800) 424-9300)

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 MSHA or NIOSH 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
Boiling Point (Degrees F.): 550 — Percent VOC: 100
Specific Gravity: 1.1255 (H2O=1) — Vapor Density: 5.17 — Air=1
pH of undiluted product: 7.0 — Solubility in Water: sol.
Vapor Pressure: <0.01 mmHg
Viscosity: 48 cP @ 30 C — Other: -

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
-	-	-	-	-	X

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

PRODUCT CODE: 78024
PRODUCT NAME: TRIETHYLENE GLYCOL

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

10. STABILITY AND REACTIVITY (CONT)

Comments:
None

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.

	OCCUR	DO NOT OCCUR
Hazardous Polymerizations:	_	X

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION(ANIMAL TOXICITY DATA)
Median Lethal Dose (LD50 LC50) (Species)
Oral: believed to be > 5 g/kg (rat); practically non-toxic
Inhalation: No effect (monkey,rat); saturated atmosphere
Dermal: believed to be > 2 g/kg (rabbit); practically non-toxic
Irritation Index, Estimation of Irritation (Species)
Skin: believed to be < 0.5/8.0 (rabbit); no appreciable effect
Eyes: believed to be < 15/110 (rabbit); no appreciable effect
Sensitization: N.D.
Other:
None

12. DISPOSAL CONSIDERATIONS

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.

IMDG: PROPER SHIPPING NAME: N.D.

IATA: PROPER SHIPPING NAME: N.D.

TDG: PROPER SHIPPING NAME: Not Regulated.

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

N.D. - Not Determined N.A. - Not Applicable N.T. - Not Tested

PRODUCT CODE: 78024
PRODUCT NAME: TRIETHYLENE GLYCOL

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

14. REGULATORY INFORMATION

A. SARA TITLE III

Title III Section 302/304 Extremely Hazardous Substances:

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

CERCLA Section 102(a) Hazardous Substance

Component	CAS No.	Percent	RQ (lbs)
NONE			

Title III Section 311 Hazard Categorization

Acute	Chronic	Fire	Pressure	Reactive	Not Applicable
X	-	-	-	-	-

Title III Section 313 Toxic Chemicals

Component	CAS No.	Percent
NONE		

B. WHMIS 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 MERCHANTABILTIY 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.
EHS - Product Safety Coordinator
P.O. Box 27707
Houston, TX 77227-7707

PLEASE SEE NEXT PAGE FOR PRODUCT LABEL

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

PRODUCT CODE: 75024
PRODUCT NAME: TRIETHYLENE GLYCOL

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

16. 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.	Range in %
* 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.

HMIS		National Fire Protection Association	
Health : 0	Reactivity : 0	Health : 0	Reactivity : 0
Flammability: 1	Special : -	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 expose to open flame or heat. Keep containers closed and drum bungs in place.

Manufacturer's Name: Texaco Chemical Company
P.O. Box 27707 Houston, TX 77227

TRANSPORTATION EMERGENCY Company: (409) 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

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_2O=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.

November 4, 1985

72-62-7820-91

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 IPECAC 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 (FLARES, 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 SALVAGE 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 ACGIH TLV.

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

UCARSOL CR 422

UNION CARBIDE CHEMICALS AND PLASTI
Specialty Chemicals Division

MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 07/23/91

Union Carbide urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to the use and understand the data contained in this MSDS.

To promote safe handling, each customer or recipient should: (1) notify its employees, agents, contractors and others whom it knows or believes will use this material of the information in this MSDS and any other information regarding hazards or safety; (2) furnish this same information to each of its customers for the product; and (3) request its customers to notify their employees, customers, and other users of the product of this information.

I. IDENTIFICATION

PRODUCT NAME: UCARSOL CR Solvent 422
CHEMICAL NAME:
Alkanolamine Formulation
CHEMICAL FAMILY: Alkanolamines
FORMULA: Trade Secret
MOLECULAR WEIGHT: Mixture
SYNONYMS: None
CAS # and Not applicable
CAS NAME: Not applicable (Mixture)

II. PHYSICAL DATA (Determined on typical material)

BOILING POINT, 760 mm Hg: 189.10 C (372.38 F)
SPECIFIC GRAVITY(H2O =1): 1.010 at 20 C
FREEZING POINT: POUR POINT: -56 C (-68 F) ← good.
VAPOR PRESSURE AT 20'C: 0.251 mm Hg
VAPOR DENSITY (air = 1): 3.95
EVAPORATION RATE
(Butyl Acetate = 1): 0.03
SOLUBILITY IN WATER by wt: 100 at 20 C
APPEARANCE AND ODOR: Transparent colorless liquid; amine odor.

EMERGENCY PHONE NUMBER: 1-800-UCC-HELP (Number available at all times)

UNION CARBIDE CHEMICALS AND PLASTICS COMPANY INC.
Specialty Chemicals Division
39 Old Ridgebury Road, Danbury, CT. 06817-0001

III. INGREDIENTS

ATERIAL	%	TLV (Units)	Hazard
rade Secret Mixture	100	See Section V	See Section V

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (test method(s)):
198 F (92.2 C), Pensky-Martens Closed Cup ASTM D 93
225 F (107.2 C), Cleveland Open Cup ASTM D 92

FLAMMABLE LIMITS IN AIR, by volume:

LOWER: Not determined
UPPER: Not determined

EXTINGUISHING MEDIA:
Apply alcohol-type or all-purpose-type foam by manufacturer's recommended techniques for large fires. Use CO2 or dry chemical media for small fires.

SPECIAL FIRE FIGHTING PROCEDURES:
Use self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
During a fire, oxides of nitrogen may be produced.

V. HEALTH HAZARD DATA

EXPOSURE LIMIT(S):
None established by OSHA or ACGIH.

EFFECTS OF SINGLE OVEREXPOSURE

SWALLOWING:
Moderately toxic. May cause severe irritation and possibly chemical burns of the mouth, throat, esophagus, and stomach. There may be swelling or ulceration with pain in the mouth, throat, chest and abdomen, nausea, vomiting, diarrhea, dizziness, drowsiness, faintness, thirst, weakness, circulatory collapse, and coma. Aspiration into the lungs may occur during swallowing or vomiting, resulting in lung injury.

SKIN ABSORPTION:
Moderately toxic. Prolonged and widespread contact may lead to the absorption of potentially harmful amounts of material.

INHALATION:
Causes irritation of the respiratory tract, experienced as nasal discomfort discharge, with chest pain and coughing.

ODUCT NAME: UCARSOL CR Sol[illegible]t 422

SKIN CONTACT:
i[illegible] contact may cause slight irritation with itching and local redness. [illegible]ned contact will cause local discomfort or pain, excess redness and e[illegible]ing, and possibly local skin corrosion with bleeding into the inflamed ea.

EYE CONTACT:
quid causes severe irritation, experienced as discomfort or pain, excess inking and tear production, marked excess redness and swelling of the njunctiva, and chemical burns of the eye. Vapor may cause temporary sturbance of vision. (See "Notes to Physician.")

FECTS OF REPEATED OVEREXPOSURE:
evidence of adverse effects from available information.

EDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:
ecause of its irritating properties, this material may aggravate an xisting dermatitis.

IGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN EALTH HAZARD EVALUATION:
ontains amines which may react with nitrites to form nitrosamines. ome nitrosamines have been shown to be carcinogenic in laboratory animals. component in this product was not mutagenic in an Ames test.

THER EFFECTS OF OVEREXPOSURE:
kin contact may cause sensitization and an allergic skin reaction. epeated exposure may cause sensitization of the respiratory tract and the e[illegible]lopment of an asthmatic reaction on further exposures.

[illegible]GENCY AND FIRST AID PROCEDURES:

SWALLOWING:
f patient is fully conscious, give two glasses of water or milk at once. o not induce vomiting. Obtain medical attention without delay.

SKIN:
mmediately remove contaminated clothing and shoes. Wash skin thoroughly ith soap and water for at least 15 minutes. Obtain medical attention with- ut delay. Wash clothing before reuse. Discard shoes.

INHALATION:
emove to fresh air. Obtain medical attention if symptoms persist.

EYES:
mmediately flush eyes thoroughly with water and continue washing for at least 5 minutes. Obtain medical attention, preferably from an ophthalmologist, rgently.

OTES TO PHYSICIAN:
- The hazards from this material arise mainly from its irritant and corrosive properties on the skin and mucosae.
- There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

Due to the moderately severe irritant and corrosive effects of the material, swallowing the undiluted liquid could lead to perforation of the esophagus or stomach, and the resultant complications thereof.
If it is considered necessary to evacuate the stomach contents, this should be undertaken by means least likely to cause aspiration (e.g., gastric lavage in the presence of endotracheal intubation). Care should be taken to avoid perforation of any acutely inflamed or ulcerated areas.
Exposure to the vapor may cause minor transient edema of the corneal epithelium. This condition, referred to as "glaucopsia," "blue haze," or "blue-gray haze," produces a blurring of vision against a general bluish haze and the appearance of halos around bright objects. The effect disappears spontaneously within a few hours of the end of an exposure, and leaves no sequelae. Although not detrimental to the eye per se, glaucopsia predisposes an affected individual to physical accidents and reduces the ability to undertake skilled tasks such as driving a motorized vehicle.

VI. REACTIVITY DATA

TABILITY: Stable

ONDITIONS TO AVOID:
'ARNING: Do not mix this product with nitrites or other nitrosating agents because nitrosamines may be formed. Nitrosamines may cause cancer.

'NCOMPATIBILITY (materials to avoid):
:void strong acids and strong oxidizing agents.

:AZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:
Burning can produce nitrogen oxides, carbon monoxide, and/or carbon ide.
:arbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient :oncentrations can act as an asphyxiant.
Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

:AZARDOUS POLYMERIZATION: Will Not Occur

:ONDITIONS TO AVOID:
None

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED
Wear suitable protective equipment, especially eye protection. Collect for disposal.

WASTE DISPOSAL METHOD:
It is recommended that disposal of this material be performed by incineration, biological treatment or by other means in full compliance with Federal, State and local regulations.

:ODUCT NAME: UCARSOL[illegible]R Solvent 422

VIII. SPECIAL PROTECTION INFORMATION

:S[illegible]RATORY PROTECTION (specify type):
:e self-contained breathing apparatus in high vapor concentrations.

:NTILATION:
:is product should be handled within covered equipment, in which case general mechanical) room ventilation is recommended at points where vapors can be :pected to escape to the workplace air.

ROTECTIVE GLOVES:
ubber

'E PROTECTION:
onogoggles

THER PROTECTIVE EQUIPMENT:
ye bath, safety shower, and chemical apron

IX. SPECIAL PRECAUTIONS

RECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
ANGER: HARMFUL OR FATAL IF SWALLOWED.
CAUSES EYE AND SKIN BURNS.
CORROSIVE IF SWALLOWED.
HARMFUL IF ABSORBED THROUGH SKIN.
MAY CAUSE ASTHMATIC REACTION AND ALLERGIC SKIN REACTION.
COMBUSTIBLE.
ASPIRATION MAY CAUSE LUNG DAMAGE.
MAY CAUSE RESPIRATORY SYSTEM DAMAGE.
VAPOR MAY CAUSE TEMPORARY BLURRING OF VISION.

)o not swallow.
)o not get in eyes, on skin, on clothing
.void breathing vapor.
(eep away from heat and flame.
(eep container closed.
Use with adequate ventilation.
Wash thoroughly after handling.
)o not add nitrites or other nitrosating agents. A nitrosamine, which may cause cancer, may be formed.
FOR INDUSTRY USE ONLY

)THER PRECAUTIONS:
)ISPOSAL: Laboratory tests indicate that, in highly dilute solution, this product should be biodegradable in a biological waste water treatment system.

WARNING: Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions.

y use of this product in elevated-temperature processes should be thoroughly aluated to establish and maintain safe operating conditions. Further formation is available in a technical bulletin entitled "Ignition Hazards C anic Chemical Vapors."

X. REGULATORY INFORMATION

'ATUS ON SUBSTANCE LISTS:
The concentrations shown are maximum or ceiling levels (weight %) to be ed for calculations for regulations. Trade Secrets are indicated by "TS".

FEDERAL EPA

mprehensive Environmental Response, Compensation, and Liability Act of 1980 ERCLA) requires notification of the National Response Center of release of antities of Hazardous Substances equal to or greater than the reportable antities (RQs) in 40 CFR 302.4.
Components present in this product at a level which could require porting under the statute are:

**** NONE ****

uperfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires mergency planning based on Threshold Planning Quantities (TPQs) and release porting based on Reportable Quantities (RQs) in 40 CFR 355 used for SARA 302, 311 and 312).
Components present in this product at a level which could require porting under the statute are:

****NONE****

uperfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires ubmission of annual reports of release of toxic chemicals that appear in 0 CFR 372 (for SARA 313). This information must be included in all MSDSs that re copied and distributed for this material.
Components present in this product at a level which could require porting under the statute are:

**** NONE ****

STATE RIGHT-TO-KNOW

ALIFORNIA Proposition 65
his product contains no levels of listed substances, which the State of alifornia has found to cause cancer, birth defects or other reproductive arm, which would require a warning under the statute.

RODUCT NAME: UCARSO[illegible]R Solvent 422

ASSACHUSETTS 105 CMR 670.000 Right-To-Know, Substance List (MSL)
azardous Substances and Extraordinarily Hazardous Substances on the MSL must
e identified when present in products.
Components present in this product at a level which could require
orting under the statute are:

HAZARDOUS SUBSTANCES (=> 1%)

CHEMICAL	CAS NUMBER	UPPER BOUND CONCENTRATION %
lkanolamine	Trade Secret	30.00

assachusetts Trade Secret Number
pplication Being Submitted

ENNSYLVANIA Right-To-Know, Hazardous Substance List
azardous Substances and Special Hazardous Substances on the List must be
dentified when present in products.
Components present in this product at a level which could require
eporting under the statute are:

HAZARDOUS SUBSTANCES (=> 1%)

CHEMICAL	CAS NUMBER	UPPER BOUND CONCENTRATION %
lkanolamine	Trade Secret	30.00

SCA INVENTORY STATUS
The ingredients of this product are on the TSCA inventory.

IFORNIA RULE 443.1 VOC'S:
atiles = substances with a vapor pressure of =>0.5 mmHg at 104 C (219.2 F).
his product contains:
1008.23 g/liter VOC
1008.23 g/liter of Material less Exempted Compounds

THER REGULATORY INFORMATION:
PA Hazard Categories: Immediate Health, Delayed Health

NOTE ----
The opinions expressed are those of qualified experts within Union Carbide.
We believe that the information contained is current as of the date of
this Material Safety Data Sheet. Since the use of this information and of
these opinions and the conditions of the use of the product are not within
the control of Union Carbide, it is the user's obligation to
determine the conditions of safe use of the product.

Date: 01/15/91
Revision Date: 07/31/91 Printed in USA
PRODUCT: 56546
F NUMBER: B0737

UCARSOL® CR SOLVENT 422

SEE MSDS FOR EXPOSURE LIMITS OF COMPONENTS.

COMPONENTS/CAS#: TRADE SECRET COMPONENTS: ALKANOLAMINES; NJ REGISTRY # 02758004-2035?P, -2035?P

DANGER! HARMFUL OR FATAL IF SWALLOWED. CORROSIVE IF SWALLOWED.
CAUSES EYE AND SKIN BURNS.
HARMFUL IF ABSORBED THROUGH SKIN.
MAY CAUSE ASTHMATIC REACTION AND ALLERGIC SKIN REACTION.
COMBUSTIBLE
ASPIRATION MAY CAUSE LUNG DAMAGE.
MAY CAUSE RESPIRATORY SYSTEM DAMAGE.
VAPOR MAY CAUSE TEMPORARY BLURRING OF VISION.

BEFORE HANDLING OR USING, READ AND UNDERSTAND CURRENT UNION CARBIDE MATERIAL SAFETY DATA SHEET FOR THIS PRODUCT.

DO NOT SWALLOW.
DO NOT GET IN EYES, ON SKIN, OR CLOTHING.
AVOID BREATHING VAPOR.
KEEP CONTAINER CLOSED.
USE WITH ADEQUATE VENTILATION.
WASH THOROUGHLY AFTER HANDLING.

DO NOT ADD NITRITES OR OTHER NITROSATING AGENTS.
A NITROSAMINE, WHICH MAY CAUSE CANCER, MAY BE FORMED.

FIRST AID:

IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE TWO GLASSES OF WATER OR MILK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. CALL A PHYSICIAN.
WASH CLOTHING BEFORE REUSE. DISCARD SHOES.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.

FOR FIRE:

USE CARBON DIOXIDE, DRY CHEMICAL, OR FOAM.
COOL WITH WATER SPRAY.

FOR SPILL:

FLUSH WITH WATER OR COVER WITH ABSORBENT.
PREVENT RUNOFF.
COLLECT AND DISPOSE.
OBSERVE GOVERNMENT REGULATIONS.

SPECIALTY CHEMICALS DIVISION

OCC-T56546 09-17-91

D.O.T. SHIPPING NAME	CORROSIVE LIQUID, N.O.S. (CONTAINS ALKANOLAMINES)	ID NUMBER UN 1760
HAZARD CLASS	CORROSIVE MATERIAL	

ATTENTION!
EMPTIED CONTAINER RETAINS VAPOR AND PRODUCT RESIDUE.
- DO NOT CUT OR WELD ON OR NEAR THIS CONTAINER.
- OBEY ALL LABEL WARNINGS, ESPECIALLY DURING CONTAINER CLEANING.
- REFER TO ALL FEDERAL, STATE, AND LOCAL REGULATIONS PRIOR TO DISPOSITION OF CONTENTS BY REUSE, RECYCLE, OR DISPOSAL.

THIS TAG HAS IMPORTANT SAFETY INFORMATION AND IS NOT TO BE REMOVED UNTIL AFTER THE EQUIPMENT IS CLEANED OR RELOADED.

EMERGENCY CONTACT (24 HOURS PER DAY)
IN U.S.A., 1-800-UCC-HELP (1-800-822-4357) OUTSIDE U.S.A., 01-304-744-3487

UNION CARBIDE CHEMICALS AND PLASTICS COMPANY INC.
39 OLD RIDGEBURY ROAD
DANBURY, CT 06817-0001
MADE IN U.S.A.

FOR INDUSTRY USE ONLY

PC-56546

RECEIVED
SEP 30 1991
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EXHIBIT "B"
SPILL CONTROL PROCEDURES

A. PURPOSE AND SCOPE

A.1 To establish a Spill Prevention Control and Countermeasure Plan for preventing and controlling spills of oil and hazardous substances at El Cedro Compressor Station in accordance with Company policies and procedures, Code of Federal Regulations Title 40, Part 112.7, state, and local government agency requirements.

B. CONTENTS

C. POLICY

C.1 NAME AND OWNERSHIP

C.1.1 Name and ownership of the facility is as follows:

a. Site Name: El Cedro Compressor Station
Rio Arriba County, New Mexico
Township 29-N, Range 5-W, Section 31

b. Manager, San Juan Area Gathering: Thomas L. O'Keefe

c. Other Personnel On Site: Compressor station is unmanned

d. Date of Construction: 1981

e. Owner: Williams Field Services
295 Chipeta Way
P.O. Box 58900
Salt Lake City, Utah 84158-0900

f. Contact: Lori Komatar - Manager, Environmental Services
(801) 584-6734

C.2 DESCRIPTION OF FACILITY

C.2.1 The El Cedro facility is a natural gas pipeline compressor station for Williams Field Services natural gas gathering system and is described as follows:

a. Storage facilities listed below are subject to Policy and Procedure Discharges or Spills of Oil or Hazardous Substances; Preventing, Controlling, and Reporting of; however, items listed with (#) are not subject to the provisions of 40 CFR 112 (Oil Pollution Prevention). All Product and Waste Storage Locations are listed on Attachment A.

(1) Product Storage Facilities:

(a) (1) 150 bbl Lube Oil Storage Tank

(b) (1) 500 bbl Condensate Storage Tank

(c) (2) 300 bbl Condensate Storage Tanks

#(d) (1) 300 bbl Methanol Storage Tank

#(e) (3) 300 bbl Glycol Storage Tanks

(f) (1) 165 bbl Waste Oil/Water Storage Tank

#(g) (1) 500 gal Antifreeze Storage Tank (adjacent to recips)

(h) (5) 500 gal Lube Oil Storage Tanks (adjacent to recips)

#(i) (1) 100 bbl Used Glycol Storage Tank

b. The documents listed below are incorporated by reference into this site specific SPCC plan. Specific information on preventing, controlling, and reporting of spills or discharges are contained in document (1) below. Documents (2) through (7) below are documents that contain site specific information on actions to be taken during emergency situations.

1. Policy and Procedure, Discharges or Spills of Oil or Hazardous Substances; Preventing, Controlling, and Reporting of.

2. Emergency Plan for Compressor Stations - see Emergency Operating Procedure 42.10.001.

3. Location Alignment Maps - Drawing 1000.15-90.

4. Emergency Shutdown System Diagram - see Emergency Operating Procedure 42.05.002.

5. Gas Flow Diagram - see Emergency Operating Procedure 42.06.001.

6. Isolating Station By Closing Mainline Block Valves - see Emergency Operating Procedure 42.07.001.

7. Fire Protection and First Aid Equipment - see Emergency Operating Procedure 42.09.001.

C.2.2 The inlet gas hydrocarbon liquids are received in slug catchers. Liquids received by the slug catchers are then emptied to Condensate Storage Tanks. The Condensate Storage Tanks are monitored and the condensate hauled away by truck. Water from the Condensate Storage Tanks is drained to an earthen pit. Used oil from the turbines is removed by a pump truck and used oil from the recips is dumped to the waste oil/water storage tank. Three 300 bbl glycol storage tanks and the 300 bbl methanol storage tank are for field use. The used glycol tank stores used glycol from the field for recycling.

C.2.3 The facility is surrounded by a steel security fence. The gate is locked when the facility is unattended.

C.3 PAST SPILL EXPERIENCE AND SPILL PREVENTION

C.3.1 There have been no product spills from the facility since its construction.

ATTACHMENT "A" PRODUCT & WASTE STORAGE LOCATIONS

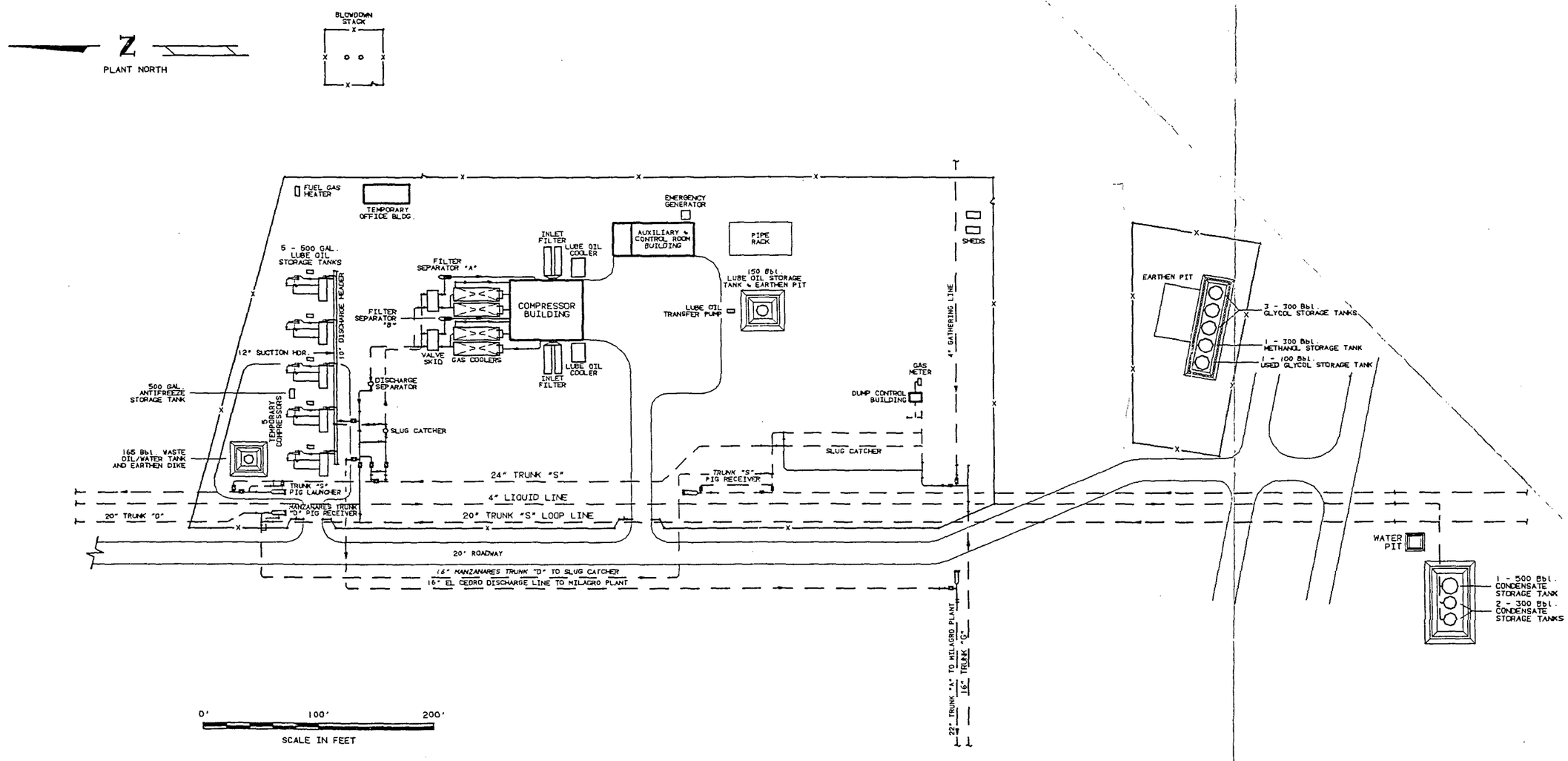

EXHIBIT 2

ATTACHMENT B

Emergency Notification List

Gas Dispatch Salt Lake City	801-584-6574
Environmental Services Salt Lake City	801-584-6734
New Mexico Environment Department 24-Hour Emergency Division	505-827-9329
New Mexico Emergency Response Officer	505-827-9223 or 505-470-3733
National Response Center	1-800-424-8802

Additional emergency related contacts, such as customer companies, sheriff, fire departments, police departments, ambulance services, and hospitals - see Emergency Operating Procedure 42.04.001.

ATTACHMENT C

PLAN CERTIFICATION
EL CEDRO COMPRESSOR STATION
SPCC PLAN

Name of Facility: El Cedro Compressor Station

Type of Facility: Natural Gas Compressor Station

Date of Initial Operation: 1981

Name and Address of Owner:

Williams Field Services

295 Chipeta Way

P. O. Box 58900

Salt Lake City, Utah 84158-0900

Designated person responsible for oil spill prevention:

On Site: Jim West, Manzanares Field Superintendent

Salt Lake City: Lori Komatar, Manager, Environmental Services

Management Approval: Full approval is extended by Management at a level with authority to commit the necessary resources toward spill prevention.

SIGNATURE: Thomas L. O'Keefe, Manager
San Juan Area Gathering

CERTIFICATION: I hereby certify that I have examined the facility and, being familiar with the provisions of 40CFR, Part 112 attest that this SPCC Plan has been prepared in accordance with good engineering practices.

NAME: ROBERT D. ECHOLS

SIGNATURE: Robert D Echols

(Seal) ROBERT D. ECHOLS NEW MEXICO 6580 REGISTERED PROFESSIONAL ENGINEER

Date: 7/15/92

Registration No.: 6580

State: NM

Manual			
Policy and Procedure			
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Subject or Title

DISCHARGES OR SPILLS OF OIL OR HAZARDOUS SUBSTANCES: Preventing, Controlling and Reporting of

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 applicaton of the standards; however, variations from the standards should be approved by the Area Manager.

B. CONTENTS

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 (N) 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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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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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 develope.
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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Supercodes Division Policy and Procedure 12.10.020 dated October 10, 1985

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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.

*Revised
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Supercedes Division Policy and Procedure 12.10.020 dated October 10, 1985

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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)	1. Closes appropriate block valves. 2. Contains discharge or spill by: ditching covering, applying sorbents, constructing 3. If burning is required, obtains approval from the appropriate state air quality control government agencies before burning.	1. Straw 2. Loose Earth 3. Oil Sorbent - 3M Brand 4. Plain Wood Chips 5. Sorb - Oil Chips - Banta Co. 6. Sorb - Oil Swabs - Banta, Co. 7. Sorb - Oil Mats - Banta Co.
B. Vehicle	1. Contains discharge or spill by: ditching covering surface with dirt, constructing earthen dams, applying dorbents, or burning. 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. 3. If burning is required, obtains approval from the appropriate state air quality control government agencies before burning. **NOTE: 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.	
C. Bulk Storage Tanks or any other Facilities	1. Contains discharge or spill by: ditching, covering, applying sorbents, constructing an earthen dam, or burning. 2. If burning is required, obtains approval from the appropriate state air quality control government agencies before burning.	

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Supercedes Division Policy and Procedure 12.10.020 dated October 10, 1985

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ATTACHMENT B

*Contractors Available for Discharge or Spill Containment

Contractor Name	Address	Telephone Number
COLORADO		
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		
Envirosafe Services of Idaho	1602 West Franklin Boise, Idaho	208-384-1500
NEW MEXICO		
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	505-632-8061
Rosenbaum Construction	Box 2308 Aztec Highway Farmington, NM 87401	505-325-6367
OREGON		
Pegasus Waste Management	30250 S.W. Parkway Avenue Wilsonville, OR 97070	503-682-5802
Riedel Environmental Services, Inc. Portland, OR 97203	Foor of N. Portsmouts Emergency: 800-334-0004	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). 1-206-753-2353

State of Wyoming
Water Quality Div. - Dept. of Environmental Quality . (24 hour) . 1-307-777-7781

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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ATTACHMENT B (Continued)

Contractors Available for Discharge or Spill Containment

UTAH

Contractor Name	Address	Telephone Number
A. L. Berna Construction	P.O. Box B Moab, UT 84532	801-259-5361
JBCO	Wagner Subdivision Moab, UT 84532	801-259-5316 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 Punteney)	307-276-3210
Skyline Construction	Big Piney, WY (Rod Bonnett)	307-276-3383

*Revised
**Added

Supercedes Division Policy and Procedure 12.10.020 dated October 10, 1985

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	Drlg Well	Prod Well	Tank Btty	Pipe Line	Gaso Plnt	Oil Rfy	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