

GW - 247

**GENERAL
CORRESPONDENCE**

YEAR(S):
2002 - 1996



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenberg
Director
Oil Conservation Division

July 2, 2002

CERTIFIED MAIL
RETURN RECEIPT NO. 5357-6907

Mr. Robert Price
El Paso Field Services
3300 North A Street, Building 2
Midland, TX 79707

RE: Closure Plan GW 247
El Paso Field Services
Whiting Compressor Station
Eddy County, New Mexico

Dear Mr. Price:

The closure of GW 247 for the El Paso Field Services Whiting Compressor Station located in the NW/4 SW/4 of Section 25, Township 21 South, Range 27 East, NMPM, Eddy County, New Mexico, is hereby approved.

Please be advised that OCD approval of this closure does not relieve El Paso Field Services of responsibility should pollution of surface water, ground water or the environment be discovered at this site. Nor does it relieve El Paso Field Services of its responsibility to comply with any other governmental authority's rules and regulations.

Sincerely,

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

RCA/eem
Attachment

Xc: OCD Artesia Office

U.S. Postal Service	
CERTIFIED MAIL RECEIPT	
<i>(Domestic Mail Only; No Insurance Coverage Provided)</i>	
[Redacted]	
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$
Postmark Here	
07505 09 2002 SANTA FE NM	
Sent to	
ROBERT PRICE @ EPES	
Street, Apt. No., or PO Box No.	
3300 N. A ST. Bldg 2	
City, State, ZIP+4	
MIDLAND, TX 79707	
PS Form 3800, May 2000	
See Reverse for Instructions	



Robert "Andy" Price, C.H.M.M, R.E.M.
Principal Environmental Scientist
3300 North A Street, Bldg 2, Suite 200
Midland, TX 79707

Office: (915) 686-3277
Fax: (915) 686-3292

November 26, 2001

Ed Martin
New Mexico Oil Conservation Division
P. O. Box 6429
Santa Fe, NM 87505-6429

Re: Discharge Plan Withdrawal, Whiting Compressor Station, Eddy County, NM

Dear Mr. Martin:

Based on our site visit of the above referenced facility, El Paso Field Services is requesting that the Discharge Plan be withdrawn for the Whiting Compressor Station. The site has been shut down and all equipment has been removed.

If you have any questions or require additional information, please contact me at (915) 686-3277.

Sincerely,

Robert "Andy" Price
Principal Environmental Scientist

Cc: Derrell Morrow, Monahans Office
Courtney Ragsdale, Carlsbad Office

NMOCD Environmental Bureau
Site Inspection Report
El Paso Field Services

Inspector(s): Ed Martin

GW-247 Whiting Compressor Station
Date Inspected: 10/15/2001
Shut down. All equipment removed. Awaiting closure report.

GW-246 Axis #2 Compressor Station
Date Inspected: 10/15/2001
Some stained soil (minimal) around separator inlet. Water leak at out-of-service separator.

Details:

1. Drum Storage: N/A
2. Process Areas/Compressor Pad: Good
3. Above Ground Tanks: N/A
4. Above Ground Saddle Tanks: N/A
5. Labeling: N/A
6. Below Grade Tanks/Sumps: N/A
7. Underground Process/Wastewater Lines: N/A
8. Onsite/Offsite Waste Disposal and Storage Practices: Good
9. Class V Wells: N/A
10. Housekeeping: OK
11. Spill Reporting: OK
12. Any Other Environmental Concerns: None
13. Water Wells: N/A

GW-241 Burton Flats North Compressor Station
Date Inspected: 10/15/2001
Some soil staining around waste oil valve.

Details:

1. Drum Storage: N/A
2. Process Areas Compressor Pad: Good
3. Above Ground Tanks: N/A
4. Above Ground Saddle Tanks: N/A
5. Labeling: N/A
6. Below Grade Tanks/Sumps: N/A
7. Underground Process/Wastewater Lines: N/A
8. Onsite/Offsite Waste Disposal and Storage Practices: Good
9. Class V Wells: N/A
10. Housekeeping: OK
11. Spill Reporting: OK
12. Any Other Environmental Concerns: None
13. Water Wells: N/A

GW-267

Bass James Compressor Station

Date Inspected: 10/15/2001

Good site. Very clean.

Details:

1. Drum Storage: N/A
2. Process Areas Compressor Pad: Good
3. Above Ground Tanks: N/A
4. Above Ground Saddle Tanks: N/A
5. Labeling: N/A
6. Below Grade Tanks/Sumps: N/A
7. Underground Process/Wastewater Lines: N/A
8. Onsite/Offsite Waste Disposal and Storage Practices: Good
9. Class V Wells: N/A
10. Housekeeping: Good
11. Spill Reporting: OK
12. Any Other Environmental Concerns: None
13. Water Wells: N/A

GW-265

Texaco Bilbrey Compressor Station

Date Inspected: 10/15/2001

Good site. Very clean.

Details:

1. Drum Storage: N/A
2. Process Areas Compressor Pad: Good
3. Above Ground Tanks: N/A
4. Above Ground Saddle Tanks: N/A
5. Labeling: N/A
6. Below Grade Tanks/Sumps: N/A
7. Underground Process/Wastewater Lines: N/A
8. Onsite/Offsite Waste Disposal and Storage Practices: Good
9. Class V Wells: N/A
10. Housekeeping: Good
11. Spill Reporting: OK
12. Any Other Environmental Concerns: None
13. Water Wells: N/A

Martin, Ed

From: Martin, Ed
Sent: Thursday, March 01, 2001 10:49 AM
To: 'David Bays'
Subject: Discharge Plans and General Info.

Just a reminder that the following facilities' discharge plans will need to be renewed this year:

GW-232 Trunk A Compressor expired 2/5/2001
GW-071-1 Ballard Hydrocarbon Recovery Unit expires 5/9/2001
GW-049-1 Kutz Recovery Unit expires 6/17/2001
GW-242 Burton Flats South Compressor expires 8/9/2001

This is a 95 hp compressor in Eddy County operated or formerly operated by Compressor Systems, Inc.

GW-241 Burton Flats North Compressor expires 8/9/2001

This is an 810 hp compressor in Eddy County operated or formerly operated by Compressor Systems, Inc.

GW-247 Whiting Compressor Station expires 9/5/2001

GW-246 Axis #2 Compressor Station expires 9/5/2001

GW-265 Texaco Bilbrey expires 11/25/2001

This is a compressor station in Lea County. Last renewal for this facility was signed by Sandra Miller.

GW-267 Bass James Compressor Station expires 12/10/2001

This is a compressor station in Eddy County. Last renewal for this facility was signed by Sandra Miller.

Also, please send me documentation as to the operational changes that will be made to improve housekeeping at the following facilities:

GW-212 Ballard Compressor Station
GW-189 Angel Peak Compressor Station
GW-186 Kutz 2 Compressor Station
GW-188-1 Hart Canyon #1 Compressor Station
GW-188 3B-1 Compressor Station
GW-188-2 Hart Canyon #2 Compressor Station
GW-188-3 Hart Canyon #3 Compressor Station



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

January 21, 1999

CERTIFIED MAIL
RETURN RECEIPT NO. Z-357-870-052

Mr. David Bays, REM
El Paso Energy Corporation
614 Reilly Avenue
Farmington, New Mexico 87401

**RE: Site Modification Notification
GW-247, Whiting Compressor Station
Eddy County, New Mexico**

Dear Mr. Bays:

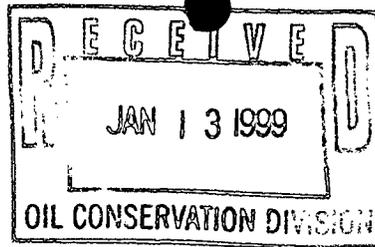
The OCD has received the site modification request letter, dated January 11, 1999, from the consulting firm of Environmental Services, Inc. representing your operator Compressor Systems, Inc., for El Paso Field Services for the Whiting Compressor Station GW-247 located in the NW/4 SW/4 of Section 25, Township 21 South, Range 27 East, NMPM, Eddy County, New Mexico. The replacement of the 100 barrel waste water tank with a 210 barrel waste water tank placed on an impermeable barrier and bermed is **hereby approved**. **The site modifications are approved without modification to the discharge plan.**

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 El Paso Energy Corporation 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 El Paso Energy Corporation from liability should operations result in contamination to the environment.

Sincerely,

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

cc: Mr. Denny Foust - Aztec District Office
Mr. Terry Christian - Compressor Systems, Inc.
Mr. Cale Swanson - Environmental Services, Inc.



January 11, 1999

Roger Anderson
Environmental Bureau Chief
Oil Conservation Division
PO Box 6429
Santa Fe, NM 87505-6429

EPFS Whiting CS
↓
GW-247

Subject: Modification of Whiting Compressor Station Discharge Plan

Dear Roger

Environmental Services, Inc. (ESI) on behalf of Compressor Systems, Inc. (CSI) is hereby notifying the NMOCD of the following proposed modification of the Whiting Compressor Station. The current 100 bbl waste water tank (TK-1) will be replaced by a 210 bbl waste water tank. In addition, the annual capacity of condensate and washdown water will increase three fold. The new tank will be placed on an impermeable barrier, surrounded by gravel, and surrounded by a dirt berm capable of containing approximately 133% of the volume of the new tank.

4665 INDIAN SCHOOL NE

CSI proposes to commence modification of the facility as soon as written approval of the modification from the NMOCD is received. If you have any questions please feel free to contact me at (505) 266-6611 or Terry Christian at (915) 495-3155.

SUITE 106

Sincerely

Cale E. Swanson

ALBUQUERQUE

Cale E. Swanson
Environmental Scientist I

NEW MEXICO

XC: Terry Christian (CSI)

87110

cc: Terry
Cale

PHO 505 266 6611



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

RECEIVED
OCT 22 AM 8 52

September 5, 1996

CERTIFIED MAIL
RETURN RECEIPT NO. P-288-258-608

RECEIVED

OCT 25 1996

Environmental Bureau
Oil Conservation Division

Ms. Sandra Miller
Superintendent, Environmental Compliance
El Paso Field Services (EPFS)
P.O. Box 4990
Farmington, NM 87499

**RE: Approval of Discharge Plan GW-247
Whiting - Compressor Station
Eddy County, New Mexico**

Dear Ms. Miller:

The discharge plan GW-247 for the EPFS Whiting Compressor Station located in the NW/4 SW/4, Section 25, Township 21 South, Range 27 East, NMPM, Eddy County, New Mexico, is hereby approved under the conditions contained in the enclosed attachment. The discharge plan consists of the application dated July 3, 1996 from EPFS, as well as the permit application dated April 25, 1996 from CSI and this approval letter with conditions of approval from OCD dated September 5, 1996. Enclosed are two copies of the conditions of approval. Please sign and return one copy to the New Mexico Oil Conservation Division (OCD) Santa Fe Office within five working days of receipt of this letter.

The discharge plan application was submitted pursuant to Section 3106 of the New Mexico Water Quality Control Commission Regulations. Please note Sections 3109.E and 3109.F which provide for possible future amendments or modifications of the plan. Please be advised that the approval of this plan does not relieve EPFS of liability should the operations associated with this facility result in pollution of surface water, ground water, or the environment.

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

Ms. Sandra Miller
EPFS GW-247
Page 2
September 5, 1996

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 EPFS is required to notify the Director of any facility expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume.

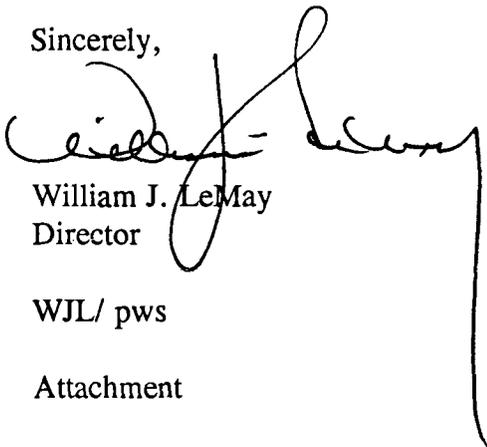
Pursuant to Section 3109.G.4, this plan is for a period of five (5) years. **This approval will expire September 5, 2001, and an application for renewal should be submitted in ample time before that date.** It should be noted that all discharge plan facilities will be required to submit plans for, or the results of, an underground drainage testing program as a requirement for discharge plan approval.

The discharge plan for the EPFS Whiting Compressor Station GW-247 is subject to the WQCC Regulation 3114 discharge plan fee. Every billable facility submitting a discharge plan will be assessed a fee equal to the filing fee of fifty dollars (\$50). Note, there is no flat fee for this facility since the horsepower is less than 1,000.

The \$50 filing fee has been received by the OCD.

On behalf of the staff of the Oil Conservation Division, I wish to thank you and your staff for your cooperation during this discharge plan review.

Sincerely,



William J. LeMay
Director

WJL/ pws

Attachment

xc: OCD District II

Ms. Sandra Miller
EPFS GW-247
Page 3
September 5, 1996

ATTACHMENT TO DISCHARGE PLAN GW-247
EPFS - Whiting Compressor Station
DISCHARGE PLAN REQUIREMENTS
(September 5, 1996)

1. **Payment of Discharge Plan Fees:** The \$50 filing fee has been received by the OCD, and there is no flat fee for this facility since the horsepower is less than 1,000.
2. **EPFS Commitments:** EPFS will abide by all commitments submitted in the Application dated July 3, 1996 from EPFS, as well as the permit application dated April 25, 1996 from CSI and this approval letter with conditions of approval from OCD dated September 5, 1996.
3. **Drum Storage:** All drums containing materials other than fresh water must be stored on an impermeable pad and curb type containment. All empty drums should be stored on their sides with the bungs in place and lined up on a horizontal plane. Chemicals in other containers such as sacks or buckets should also be stored on an impermeable pad and curb type containment.

All drums and chemical containers shall be clearly labeled to identify their contents and other emergency information necessary if they were to rupture, spill, or ignite.
4. **Process Areas:** All process and maintenance areas which show evidence that leaks and spills are reaching the ground surface must be either paved and curbed or have some type of spill collection device incorporated into the design.
5. **Above Ground Tanks:** All above ground tanks which contain fluids other than fresh water must be bermed to contain a volume of one-third more than the total volume of the largest tank or of all interconnected tanks. All new facilities or modifications to existing facilities must place the tank on an impermeable type pad.
6. **Above Ground Saddle Tanks:** Above ground saddle tanks must have impermeable pad and curb type containment unless they contain fresh water or fluids that are gases at atmospheric temperature and pressure.
7. **Tank Labeling:** All tanks should be clearly labeled to identify their contents and other emergency information necessary if the tank were to rupture, spill, or ignite.
8. **Below Grade Tanks/Sumps:** All below grade tanks, sumps, and pits must be approved by the OCD prior to installation or upon modification and must incorporate secondary containment and leak-detection into the design. All pre-existing sumps and below-grade tanks that do not have

Ms. Sandra Miller
EPFS GW-247
Page 4
September 5, 1996

secondary containment and leak detection must demonstrate integrity on an annual basis. Integrity tests include pressure testing to 3 pounds per square inch above normal operating pressure and/or visual inspection of cleaned out tanks /or sumps.

9. **Underground Process/Wastewater Lines:** All underground process/wastewater pipelines must be tested to demonstrate their mechanical integrity at present and then every 5 years there after. Companies may propose various methods for testing such as pressure testing to 3 pounds per square inch above normal operating pressure or other means acceptable to the OCD. The OCD will be notified at least 72 hours prior to all testing so that an OCD representative may witness the testing.

10. **Housekeeping:** All systems designed for spill collection/prevention should be inspected to ensure proper operation and to prevent overtopping or system failure.

Any contaminated soils that are collected at the facility will be tested for hazardous constituents, and after receiving OCD approval, will be disposed of at an OCD approved site.

11. **Spill Reporting:** All spills/releases shall be reported pursuant to OCD Rule 116 and WQCC 1203 to the Artesia OCD District Office at (505)-748-1283.

12. **Transfer of Discharge Plan:** The OCD will be notified prior to any transfer of ownership, control, or possession of a facility with an approved discharge plan. A written commitment to comply with the terms and conditions of the previously approved discharge plan must be submitted by the purchaser and approved by the OCD prior to transfer.

13. **New Mexico Oil Conservation Division Inspections:** Additional requirements may be placed on the facility based upon results from New Mexico Oil Conservation Division inspections.

14. **Closure:** The OCD will be notified when operations of the facility are discontinued for a period in excess of six months. Prior to closure of the facility a closure plan will be submitted for approval by the director. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.

15. **Conditions accepted by:** David Bayn - EPFS 9/12/96
Company Representative Date
Sr. Env. Scientist
Title

Terry Christian - CSI 10/17/96
Company Representative Date
Environmental Coordinator
Title



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

September 5, 1996

CERTIFIED MAIL
RETURN RECEIPT NO. P-288-258-608

Ms. Sandra Miller
Superintendent, Environmental Compliance
El Paso Field Services (EPFS)
P.O. Box 4990
Farmington, NM 87499

**RE: Approval of Discharge Plan GW-247
Whiting - Compressor Station
Eddy County, New Mexico**

Dear Ms. Miller:

The discharge plan GW-247 for the EPFS Whiting Compressor Station located in the NW/4 SW/4, Section 25, Township 21 South, Range 27 East, NMPM, Eddy County, New Mexico, is hereby approved under the conditions contained in the enclosed attachment. The discharge plan consists of the application dated July 3, 1996 from EPFS, as well as the permit application dated April 25, 1996 from CSI and this approval letter with conditions of approval from OCD dated September 5, 1996. Enclosed are two copies of the conditions of approval. Please sign and return one copy to the New Mexico Oil Conservation Division (OCD) Santa Fe Office within five working days of receipt of this letter.

The discharge plan application was submitted pursuant to Section 3106 of the New Mexico Water Quality Control Commission Regulations. Please note Sections 3109.E and 3109.F which provide for possible future amendments or modifications of the plan. Please be advised that the approval of this plan does not relieve EPFS of liability should the operations associated with this facility result in pollution of surface water, ground water, or the environment.

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

P 288 258 608

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

Sent to EPFS- Miller	
Street & Number Approval GW-247	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Ristricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

Ms. Sandra Miller
EPFS GW-247
Page 2
September 5, 1996

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 EPFS is required to notify the Director of any facility expansion, production increase, or process modification that would result in any change in the discharge of water quality or volume.

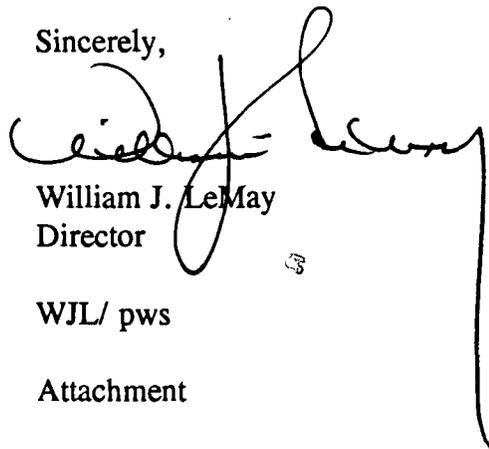
Pursuant to Section 3109.G.4, this plan is for a period of five (5) years. **This approval will expire September 5, 2001, and an application for renewal should be submitted in ample time before that date.** It should be noted that all discharge plan facilities will be required to submit plans for, or the results of, an underground drainage testing program as a requirement for discharge plan approval.

The discharge plan for the EPFS Whiting Compressor Station GW-247 is subject to the WQCC Regulation 3114 discharge plan fee. Every billable facility submitting a discharge plan will be assessed a fee equal to the filing fee of fifty dollars (\$50). Note, there is no flat fee for this facility since the horsepower is less than 1,000.

The \$50 filing fee has been received by the OCD.

On behalf of the staff of the Oil Conservation Division, I wish to thank you and your staff for your cooperation during this discharge plan review.

Sincerely,



William J. LeMay
Director

WJL/ pws

Attachment

xc: OCD District II

Ms. Sandra Miller
EPFS GW-247
Page 3
September 5, 1996

**ATTACHMENT TO DISCHARGE PLAN GW-247
EPFS - Whiting Compressor Station
DISCHARGE PLAN REQUIREMENTS
(September 5, 1996)**

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Ms. Sandra Miller
EPFS GW-247
Page 4
September 5, 1996

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Any contaminated soils that are collected at the facility will be tested for hazardous constituents, and after receiving OCD approval, will be disposed of at an OCD approved site.

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12. **Transfer of Discharge Plan:** The OCD will be notified prior to any transfer of ownership, control, or possession of a facility with an approved discharge plan. A written commitment to comply with the terms and conditions of the previously approved discharge plan must be submitted by the purchaser and approved by the OCD prior to transfer.

13. **New Mexico Oil Conservation Division Inspections:** Additional requirements may be placed on the facility based upon results from New Mexico Oil Conservation Division inspections.

14. **Closure:** The OCD will be notified when operations of the facility are discontinued for a period in excess of six months. Prior to closure of the facility a closure plan will be submitted for approval by the director. Closure and waste disposal will be in accordance with the statutes, rules and regulations in effect at the time of closure.

15. **Conditions accepted by:** _____
Company Representative Date

Title

Affidavit of Publication

No. 15581

STATE OF NEW MEXICO,

County of Eddy:

Gary D. Scott being duly sworn, says: That he is the Publisher of The Artesia Daily Press, a daily newspaper of general circulation, published in English at Artesia, said county and state, and that the hereto attached Legal Notice

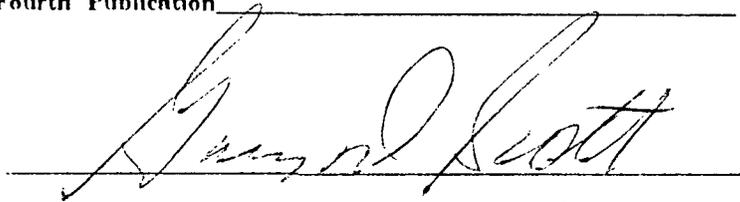
was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for 1 consecutive weeks on the same day as follows:

First Publication July 31, 1996

Second Publication _____

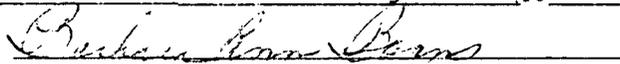
Third Publication _____

Fourth Publication _____



Subscribed and sworn to before me this 6th day

of August 19 96


Notary Public, Eddy County, New Mexico

My Commission expires September 23, 1999

LEGAL NOTICE

NOTICE OF PUBLICATION
STATE OF NEW MEXICO
ENERGY, MINERALS AND
NATURAL
RESOURCES DEPART-
MENT
OIL CONSERVATION
DIVISION

Notice is hereby given that

Copy of Publication

pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plan applications have been submitted to the Director of the Oil Conservation Division, 2040 South Pacheco, Santa Fe, New Mexico 87505, Telephone (505) 827-7131:

(GW-246) - El Paso Field Services Company, Ms. Sandra Miller, (505)-599-2141, 2500 City West Blvd., Suite 1400, Houston, TX, 77042, has submitted a Discharge Plan Application for the Axis #2 Compressor Station located in the SW/4 NW/4, Section 15, Township 21 South, Range 27 East, NMPM, Eddy County, New Mexico. Any potential discharge at the facility will be stored in a closed top receptacle. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 80 feet with a total dissolved solids concentration of approximately 1,090 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-247)-El Paso Field Services Company, Ms. Sandra Miller, (505)-599-2141, 2500 City West Blvd., Suite 1400, Houston, TX, 77042, has submitted a Discharge Plan Application for the Whiting Compressor Station located in the NW/4SW/4, Section 25, Township 21 South, Range 27 East, NMPM, Eddy County, New Mexico. Any potential discharge at the facility will be stored in a closed top receptacle. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 5 feet with a total dissolved solids concentration of approximately 2,319 mg/L. The discharge plan addresses how spills, leaks, and other ac-

cidental 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 applications 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 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 plans based on information available. If a public hearing is held, the director will approve or disapprove the proposed plans based on information in the discharge plan applications 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 July, 1996.

STATE OF NEW MEXICO
OIL CONSERVATION
DIVISION
s-William J. LeMay
WILLIAM J. LEMAY,
Director

SEAL
Published in the Artesia Daily Press, Artesia, N.M. July 31, 1996.

Legal 15581

RECEIVED

AUG 05 1996

NEW MEXICO OIL CONSERVATION
ATTN: SALLY MARTINEZ
2040 S. PACHECO
SANTA FE, NM 87505

Environmental Bureau
Oil Conservation Division
AD NUMBER: 531726
LEGAL NO: 60136

ACCOUNT: 56689
P.O. #: 9619900299

207 LINES once at \$ 82.80

Affidavits: 5.25

Tax: 5.50

Total: \$ 93.55

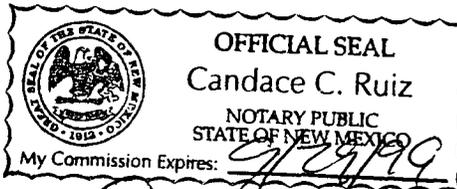
AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, BETSY PERNER being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily news paper published in the English language, and having a general circulation in the Counties 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 1937; that the publication # 60136 a copy of which is hereto attached was published in said newspaper once each week for one consecutive week(s) and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 31st day of JULY 1996 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 31st day of JULY A.D., 1996



Candace C. Ruiz

• P.O. Box 2048 • Santa Fe, New Mexico 87501

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

(GW-246) - El Paso Field Services Company, Ms. Sandra Miller, (505)-599-2141, 2500 City West Blvd., Suite 1400, Houston, TX, 77042, has submitted a Discharge Plan Application for the Axis #2 Compressor Station located in Township 21 South, Range 27 by any interested person. Requests for a public hearing shall set forth the reasons discharge at the facility will be stored in a closed top receptacle. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 5 feet with a total dissolved solids concentration of approximately 1,090 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-247) - El Paso Field Services Company, Ms. Sandra Miller, (505)-599-2141, 2500 City West Blvd., Suite 1400, Houston, TX, 77042, has submitted a Discharge Plan Application for the Whiting of July 1996 Compressor Station located in the NW/4 SW/4, Section 25, Township 21 South, Range 27 East, NMPM, Eddy County, New Mexico. Any potential discharge at the facility will be stored in a closed top receptacle. Groundwater most likely to be affected by a

spill, leak, or accidental discharge to the surface is at a depth of approximately 5 feet with a total dissolved solids concentration of approximately 2,319 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 applications 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 a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons discharge at the facility will be stored in a closed top receptacle. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 50 feet with a total dissolved solids concentration of approximately 1,090 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

If no public hearing is held, the Director will approve or disapprove the proposed plans based on information available. If a public hearing is held, the director will approve or disapprove the proposed plans based on information in the discharge plan applications 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 July 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
WILLIAM J. LEMAY, Director

Legal #60136
Pub: July 31, 1996

NOTICE OF PUBLICATION

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

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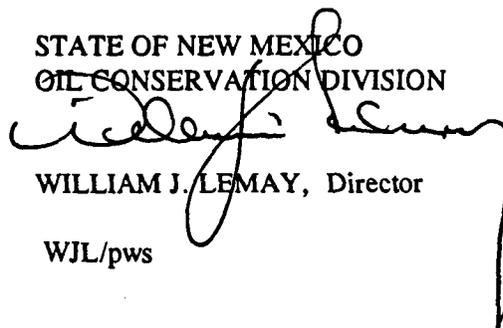
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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 24th day of July, 1996.

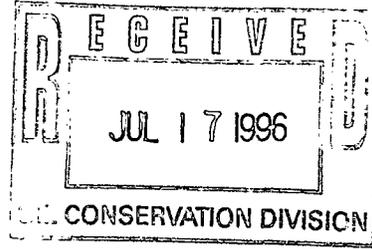
STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY, Director

WJL/pws

SEAL



July 15, 1996

RECEIVED

JUL 18 1996

**Environmental Bureau
Oil Conservation Division**

Roger Anderson
Environmental Bureau Chief
Oil Conservation Division
PO Box 6429
Santa Fe, NM 87505-6429

Subject: Discharge Plan Application, Whiting Compressor Station, Eddy County, NM

Dear Mr. Anderson

As you directed at our June 18, 1996, meeting, the application submitted by Compressor Systems, Inc. (CSI) for Whiting Compressor Station, submitted April 25, 1996, is hereby modified to reflect that the owner and applicant is El Paso Field Services. The facility and its operation are essentially the same as represented in the application except for the following.

Less than 210 barrels per month of liquids from Whiting's inlet scrubbers flow via 2-inch diameter underground steel piping into condensate/drip tanks which are owned by Whiting Petroleum Corporation. The tanks are located on a wellpad right-of-way leased by Whiting from the Bureau of Land Management (BLM) and are not a part of this discharge application. According to Whiting, the drip tanks are non-pressurized, above-ground, 210-bbl steel tanks (see revised flow diagrams). They are interconnected, and situated on gravel. They are surrounded by an earthen berm which provides containment 1.33 times the combined tank volumes.

I am enclosing a revised application form and signed affirmation. The parties involved are listed on the attached sheet. If you have any further questions, please don't hesitate to contact me.

Sincerely

Robert L. Myers II
Project Manager

cc: Terry Christian, CSI
David Bays, EPNG
Tim Gum, OCD Artesia

4665 INDIAN SCHOOL NE

SUITE 106

ALBUQUERQUE

NEW MEXICO

87110

PHO 505 266 6611

FAX 505 266 7738

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

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

Revised 12/1/95

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

Environmental Bureau
Oil Conservation Division

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

New

Renewal

Modification

1. Type: Whiting Compressor Station
2. Operator: El Paso Field Services Company
Address: 2500 City West Blvd., Suite 1400, Houston, TX 77042
Contact Person: Sandra Miller, Supv Env Compliance Phone: 505-599-2141
3. Location: NW 1/4 SW 1/4 Section 25 Township 21 S Range 27 E
Submit large scale topographic map showing exact location.
4. Attach the name, telephone number and address of the landowner of the facility site.
5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.
6. Attach a description of all materials stored or used at the facility.
7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.
8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.
9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.
10. Attach a routine inspection and maintenance plan to ensure permit compliance.
11. Attach a contingency plan for reporting and clean-up of spills or releases.
12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.
13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.
14. CERTIFICATION

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

NAME: Sandra Miller Title: Superintendent, Environmental Compliance

Signature: *Sandra Miller* Date: 7/3/96

Whiting Compressor Station

Eddy County, NM

Township 21 South, Range 27 East, NW/4 SW/4 sec. 25

Legally Responsible Party

Hugh A. Shaffer
Vice President, Operations and Engineering
El Paso Field Services Company
2500 City West Blvd. Suite 1400
Houston, TX 77042
713-510-2500

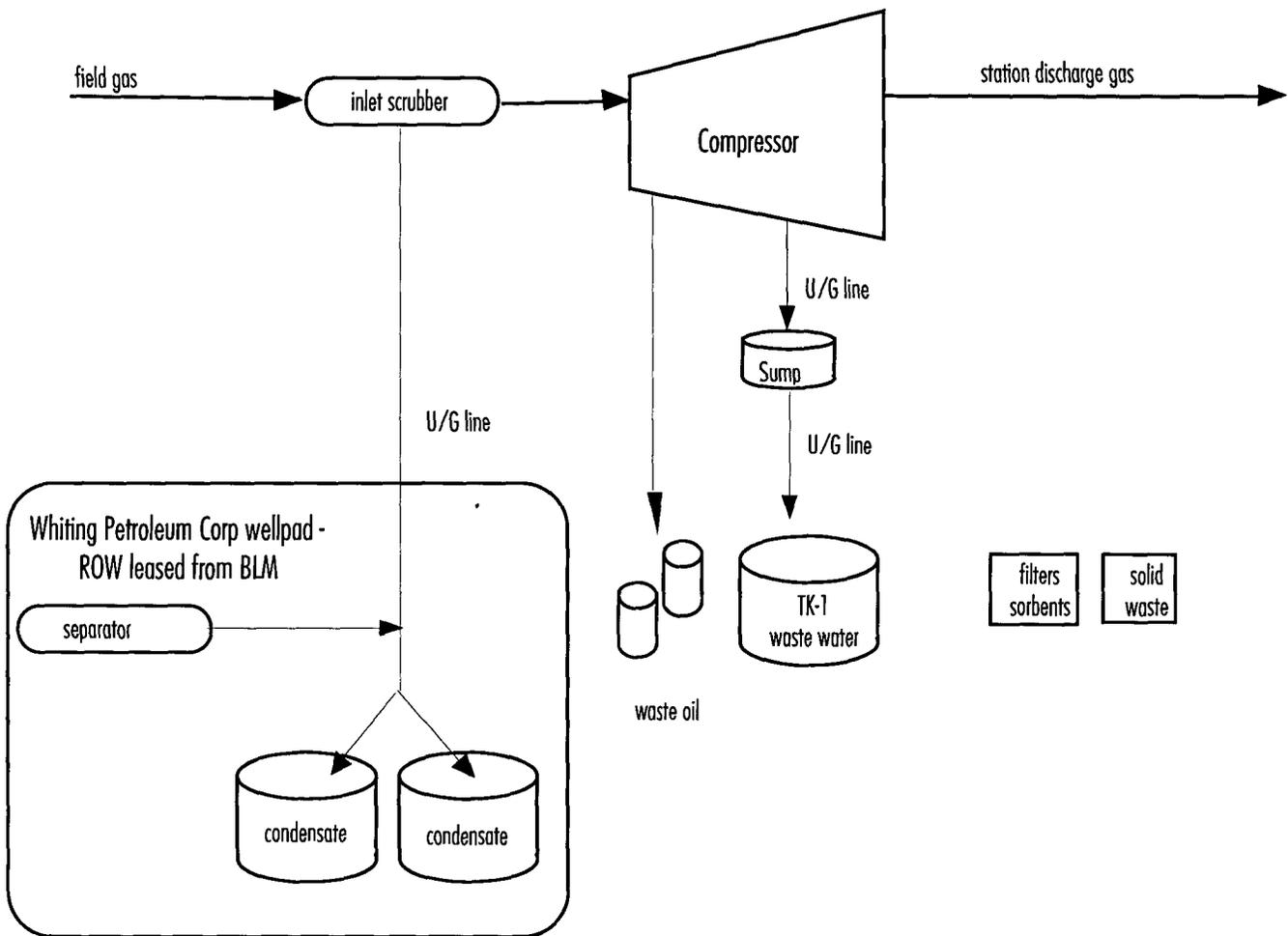
Local Representative

Sandra Miller
Superintendent, Environmental Compliance
El Paso Field Services Company
614 Reilly Ave.
Farmington, NM 87401
505-599-2141
505-325-2841 (24-hr)

Operator

Terry Christian
Compressor Systems, Inc.
P.O. Box 60760
Midland, TX 79711-0760
915-563-1170





**Whiting Compressor Station
Effluent and Solid Waste Production Diagram**



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

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

June 19, 1996

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-963-159

Mr. Terry Christian
Environmental Coordinator
Compressor Systems, Inc.
P.O. Box 60760
Midland, TX 79711-0760

**RE: Extension to Discharge
Compressor Systems, Inc.
Eddy County, New Mexico**

Dear Mr. Christian:

The New Mexico Oil Conservation Division has received the request dated June 5, 1996 from Environmental Services, Inc. on behalf of Compressor Systems, Inc. for an extension to discharge without an approved discharge plan for 120 days.

Pursuant to Water Quality Control Commission (WQCC) Regulations 3106.B, and for good cause shown, an extension to October 2, 1996 to discharge without an approved discharge plan for the following Compressor Systems, Inc. compressor stations, is hereby approved:

- Axis #2 Compressor Station located in the SW/4 NW/4, Section 15, Township 21 South, Range 27 East, NMPM, Eddy County, New Mexico.
- Whiting Compressor Station located in the NW/4 SW/4, Section 25, Township 21 South, Range 27 East, NMPM, Eddy County, New Mexico.

Please be advised this extension does not relieve Compressor Systems, Inc. of liability should the operations of these facilities result in pollution of surface waters, ground waters or the environment.

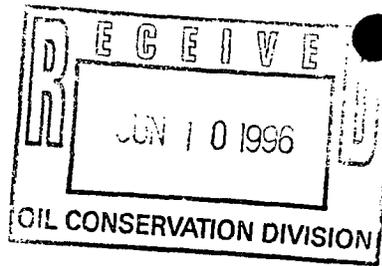
Sincerely,

A handwritten signature in black ink, appearing to read "William J. Lemay".

William J. Lemay
Director

xc: Artesia District , Ms. Susan Boyle - ESI

June 5, 1996



Roger Anderson
Environmental Bureau Chief
Oil Conservation Division
PO Box 6429
Santa Fe, NM 87505-6429

fax followed by mail transmittal

Dear Mr. Anderson

I am writing this letter on behalf of my client, Compressor Systems, Inc. (CSI). CSI requests authorization under Section 3106.B of the New Mexico Water Quality Control Commission (WQCC) regulations to discharge without an approved discharge plan at the following facilities which are currently being constructed by CSI for El Paso Natural Gas (EPNG).

Burton Flats North Compressor Station, Eddy County, NM,
Township 20 South, Range 28 East, SE/4 NW/4 sec. 14

Burton Flats South Compressor Station, Eddy County, NM
Township 20 South, Range 28 East, SW/4 NE/4 sec. 22

Axis #2 Compressor Station, Eddy County, NM
Township 21 South, Range 27 East, SW/4 NW/4 sec. 15

Whiting Compressor Station, Eddy County, NM
Township 21 South, Range 27 East, NW/4 SW/4 sec. 25

CSI submitted applications to discharge on March 29 and April 26, 1996, which included only CSI's activities at the sites. The appropriate applications will be resubmitted after our upcoming June 18, 1996 meeting. Please feel free to contact me or Terry Christian at CSI (915-563-1170) if you have any questions.

Sincerely

Susan E. Boyle
Project Manager

cc: Terry Christian, CSI
David Bays, EPNG

4665 INDIAN SCHOOL NE

SUITE 106

ALBUQUERQUE

NEW MEXICO

87110

PHO 505 266 6611

FAX 505 266 7738

ACKNOWLEDGEMENT OF RECEIPT
OF CHECK/CASH

I hereby acknowledge receipt of check No. [redacted] dated 4/26/96

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

from Environmental Svcs (CST)

for Whiting C.S. GW247
(Facility Name) (OP No.)

Submitted by: _____ Date: _____

Submitted to ASD by: [Signature] Date: 5/9/96

Received in ASD by: [Signature] Date: 5-20-96

Filing Fee New Facility Renewal

Modification Other

Organization Code 521.07 Applicable FY 96

To be deposited in the Water Quality Management Fund.

Full Payment or Annual Increment

ENVIRONMENTAL SERVICES, INC. 6-90
4665 INDIAN SCHOOL RD. NE, STE. 106 PH. 266-6611
ALBUQUERQUE, NM 87110

95-219/1070

April 26 1996

PAY TO THE ORDER OF Oil Conservation Division \$ 50.00
Fifty and no 100 DOLLARS

 Norwest Bank New Mexico, N.A. 0220
P.O. Box 1081
Albuquerque, NM 87103-1081

MEMO Whiting discharge plan [Signature]

[redacted]

FINE LINE

Affidavit of Publication

No. 15465

STATE OF NEW MEXICO,

County of Eddy:

Gary D. Scott being duly sworn, says: That he is the Publisher of The Artesia Daily Press, a daily newspaper of general circulation, published in English at Artesia, said county and state, and that the hereto attached Legal Notice

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for 1 consecutive weeks on the same day as follows:

First Publication May 16, 1996

Second Publication _____

Third Publication _____

Fourth Publication _____

Subscribed and sworn to before me this 16th day

of May 19 96

Robert L. Beams
Notary Public, Eddy County, New Mexico

My Commission expires September 23, 1999

Copy (

surface is at a depth of approximately 5 feet with a total dissolved solids concentration of approximately 2,319 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 applications 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 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 plans based on information available. If a public hearing is held, the director will approve or disapprove the proposed plans based on information in the discharge plan applications and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 8th day of May, 1996.

STATE OF NEW MEXICO
OIL CONSERVATION
DIVISION
s-William J. LeMay
WILLIAM J. LEMAY,
Director

SEAL
Published in the Artesia Daily Press, Artesia, N.M. May 16, 1996.

Legal 15465

LEGAL NOTICE

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

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MAY 20 1996

Environmental Bureau
Oil Conservation Division

NOTICE OF PUBLICATION

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MAY 13 1996

5154

USFWS - NMESCO

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ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

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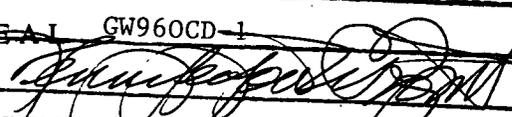
GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 8th day of May, 1996

NO EFFECT FINDING

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

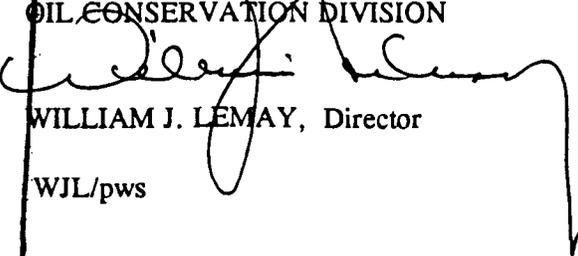
Date May 16, 1996

Consultation # EAI GW960CD-1

Approved by 

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


WILLIAM J. LEMAY, Director

WJL/pws

The Santa Fe New Mexican

Since 1849. We Read You.

RECEIVED
MAY 17 1996
NEW MEXICO OIL CONSERVATION
OIL CONSERVATION DIVISION

AD NUMBER: 502081

ACCOUNT: 56689

LEGAL NO: 59650

P.O. #: 96199002997

207 LINES once at \$ 82.80

Affidavits: 5.25

Tax: 5.50

Total: \$ 93.55

NOTICE OF PUBLICATION likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 5 feet with a total dissolved solids concentration of approximately 2,319 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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

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STATE OF NEW MEXICO
COUNTY OF SANTA FE

I, BETSY PERNER being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily news paper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication # 59650 a copy of which is hereto attached was published in said newspaper once each week for one consecutive week(s) and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 15th day of MAY 1996 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

Betsy Perner
LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 15th day of MAY A.D., 1996

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 8th day of May, 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION
WILLIAM J. LEMAY,
Director
Legal #59650
Pub. May 15, 1996



OFFICIAL SEAL
Candace C. Ruiz
NOTARY PUBLIC - STATE OF NEW MEXICO

My Commission Expires: 9/23/99
Candace C. Ruiz

NOTICE OF PUBLICATION

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

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(GW-246) - Compressor Systems, Inc., Mr. Terry Christian, (915)-563-1170, P.O. Box 60760 Midland, TX, 79711-0760, has submitted a Discharge Plan Application for the Axis #2 Compressor Station located in the SW/4 NW/4, Section 15, Township 21 South, Range 27 East, NMPM, Eddy County, New Mexico. Any potential discharge at the facility will be stored in a closed top receptacle. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 80 feet with a total dissolved solids concentration of approximately 1,090 mg/L. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

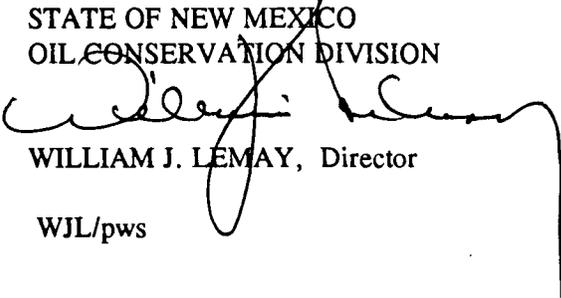
(GW-247) - Compressor Systems, Inc., Mr. Terry Christian, (915)-563-1170, P.O. Box 60760 Midland, TX, 79711-0760, has submitted a Discharge Plan Application for the Whiting Compressor Station located in the NW/4 SW/4, Section 25, Township 21 South, Range 27 East, NMPM, Eddy County, New Mexico. Any potential discharge at the facility will be stored in a closed top receptacle. Groundwater most likely to be affected by a spill, leak, or accidental discharge to the surface is at a depth of approximately 5 feet with a total dissolved solids concentration of approximately 2,319 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 applications 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 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 plans based on information available. If a public hearing is held, the director will approve or disapprove the proposed plans based on information in the discharge plan applications and information submitted at the hearing.

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 8th day of May, 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


WILLIAM J. LEMAY, Director

WJL/pws

S E A L



April 26, 1996

Mr. Roger C. Anderson
Environmental Bureau Chief
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87505

RECEIVED

MAY 6 1996

Environmental Bureau
Oil Conservation Division

Re: Groundwater Discharge Plan Applications

Dear Mr. Anderson:

On behalf of Compressor Systems, Inc. (CSI), I am submitting applications for Groundwater Discharge Plans for Axis # 2 and Whiting Compressor Stations. I am enclosing a check for \$ 100.00 to cover the filing fee for the 2 applications. If you have any questions or need clarification, please call me or Terry Christian of CSI at 915-563-1170.

Sincerely,

Susan E. Boyle
Susan E. Boyle

cc: w/attachments
NMOCD District Office

4665 INDIAN SCHOOL NE

SUITE 106

ALBUQUERQUE

NEW MEXICO

ENVIRONMENTAL SERVICES, INC. 6-90 4665 INDIAN SCHOOL RD. NE, STE. 106 PH. 266-6611 ALBUQUERQUE, NM 87110		[Redacted] 95-219/1070
PAY TO THE ORDER OF <u>Oil Conservation Division</u> \$ 50.00		110 505 266 6611
<u>Fifty and</u> /100 DOLLARS		
Norwest Bank New Mexico, N.A. 0220 P.O. Box 1081 Albuquerque, NM 87103-1081		505 266 7738
MEMO <u>Whiting discharge plan</u>		

GW-247

**Application for
Groundwater Discharge Plan**

Whiting Compressor Station

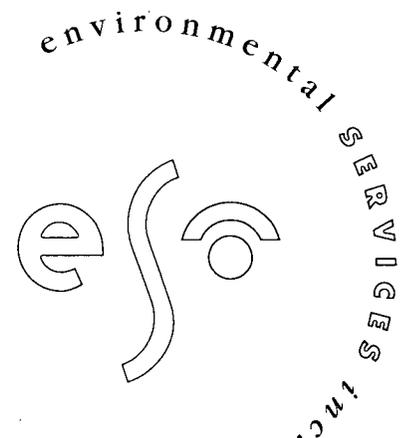
RECEIVED

MAY 6 1996

Environmental Bureau
Oil Conservation Division

prepared for

**Compressor Systems, Inc.
April 1996**



4665 INDIAN SCHOOL NE
SUITE 106
ALBUQUERQUE
NEW MEXICO
87110

DISTRICT I - (505) 372-0101
 P. O. Box 1980
 Hobbs, NM 88241-1980
District II - (505) 748-1283
 811 S. First
 Artesia, NM 88210
District III - (505) 334-6178
 1000 Rio Brazos Road
 Aztec, NM 87410
District IV - (505) 827-7131

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

Revised 12/1/95

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

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

New

Renewal

Modification

1. Type: Whiting Compressor Station

2. Operator: Compressor Systems, Inc.

Address: P.O. Box 60760, Midland, TX 79711-0760

Contact Person: Terry Christian Phone: (915) 563-1170

3. Location: NW /4 SW /4 Section 25 Township 21 S Range 27 E
 Submit large scale topographic map showing exact location.

4. Attach the name, telephone number and address of the landowner of the facility site.

5. Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility.

6. Attach a description of all materials stored or used at the facility.

7. Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included.

8. Attach a description of current liquid and solid waste collection/treatment/disposal procedures.

9. Attach a description of proposed modifications to existing collection/treatment/disposal systems.

10. Attach a routine inspection and maintenance plan to ensure permit compliance.

11. Attach a contingency plan for reporting and clean-up of spills or releases.

12. Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included.

13. Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders.

14. CERTIFICATION

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

NAME: Terry L. Christian Title: Environmental Coordinator

Signature: Terry L. Christian Date: 4-25-96

Whiting Compressor Station—Groundwater Discharge Plan

Table of Contents

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2	Operator/Legally Responsible Party.....1
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Site Location

Effluent and Solid Waste Production Diagram

Sump Pump Diagram

Site Diagram.....Appendix 1

NMOCD Rule 116 and WQCC Section 1203.....Appendix 2

CSI Policy and Procedures on Spill Reporting.....Appendix 3



Whiting Compressor Station
Groundwater Discharge Plan

This document constitutes a first-time application for a Groundwater Discharge Plan for Whiting Compressor Station. This Discharge Plan application has been prepared in accordance with the New Mexico Oil Conservation Division's (NMOCD) "Guidelines for the Preparation of Discharge Plans at Natural Gas Plants, Refineries, Compressor and Crude Oil Pump Stations" (revised 12-95) and New Mexico Water Quality Control Commission (WQCC) regulations 3-104 and 3-106.

1 Type of Operation

Whiting Compressor Station is operated by Compressor Services, Inc. (CSI). The facility compresses field natural gas for for El Paso Field Services' Trunk C pipeline which transports gas to Burton Flats Gas Processing Plant, owned and operated by El Paso Field Services.

2 Operator/Legally Responsible Party

Operator

Compressor Systems, Inc.
P.O. Box 60760
Midland, TX 79711-0760
Phone: (915) 563-1170
attention: Terry Christian, Environmental Coordinator

Legally Responsible Party

Compressor Systems, Inc.
P.O. Box 60760
Midland, TX 79711-0760
Phone: (915) 563-1170
attention: Terry Christian, Environmental Coordinator

3 Location of Discharge/Facility

Eddy County, NM
Township 21 South, Range 27 East, NW/4 SW/4 sec. 25
(appendix 1 contains a map of the site location)

4 Landowner

The site is on private land owned by or leased to El Paso Field Services.

5 Facility Description

Appendix 1 contains the facility layout. The facility currently includes 1 skid-mounted Ajax engine and compressor package and 1 storage tank. The facility is on an existing

El Paso Field Services facility. The inlet scrubber, some tanks, pipelines, and remaining equipment are owned and operated by El Paso Field Services.

6 Materials Stored or Used

Table 1 identifies materials and storage methods for substances used and stored at the plant. The first column corresponds to the identification labels on the layout and effluent production diagram in appendix 1.

Table 1
Materials Used and Stored

<i>Id</i>	<i>Name</i>	<i>Composition</i>	<i>Type</i>	<i>Container</i>	<i>Capacity</i>
TK-1	Waste water	Hydrocarbons, water, detergent	Liquid	AGT	100 bbl

AGT = aboveground tank (non-pressurized)

MSD Sheets for the engine oil, ethylene glycol, and detergent used on the site are maintained in the corporate office and are included in appendix 3.

7 Sources and Quantities of Effluent and Waste Solids

Table 2 summarizes the effluent and solid wastes generated at the plant. The major sources of liquid and solid waste are described in the sections following table 2.

Table 2
Effluent and Solid Waste Sources, Quantity, Quality, and Disposition

<i>Source</i>	<i>Waste/Quality</i>	<i>Quantity</i>	<i>Disposition</i>
Compressor and engine	Drained oil	< 50 gal 1x/yr	Placed in 55-gal drums and removed by operator as generated. In future, may go to El Paso Field Services' waste oil tank.
Engine and compressor washwater	Water, hydrocarbons, coolant, detergent	< 75 gal 12x/yr	TK-1 Waste water tank Removed by contractor to injection facility.
Used engine and compressor sorbents	Special solid waste	varies	Removed by operator to corporate office.
Trash	Solid waste	varies	Removed by operator to corporate office.

Separators/Scrubbers

There are no separators/scrubbers owned or operated by CSI at the facility.

Boilers and Cooling Towers/Fans

There are no boilers or cooling towers/fans located at the facility.

Process and Storage Equipment Wash Down

Oily waste water is generated during wash down of the compressor engine. Engine wash water contains water and detergent with trace amounts of lube oil and coolant. The compressor engine is washed down once a month. A maximum of 75 gallons of wash water is generated during each washing. Liquids from the compressor skid drain into a partially buried steel sump. The sump is double lined and treated for corrosion. The sump is equipped with a pump which automatically turns on to transfer liquids to the waste water tank TK-1 via 2-inch, underground piping. A diagram of the sump pump is in appendix 1. No RCRA-listed hazardous wastes are contained in the wash water.

Drums, tanks, and trucks are not washed at the facility.

Solvents/Degreasers

Approximately 2 gallons of detergent per wash will be used for compressor engine wash down. Detergent is brought to the site as needed. No other solvents will be used at the site. Wash water collection and storage is discussed above in Process and Storage Equipment Wash Down.



Spent Acids/Caustics

There are no spent acids or caustics at the facility.

Used Engine Coolants

A composition of 50 percent antifreeze and 50 percent water is used to cool the compressor engine at the facility. Antifreeze is brought to the site and used as needed. No waste coolant is generated, as engine use causes the coolant to evaporate.

Waste Lubrication and Motor Oils

The compressor and engine lube oil is changed once a year. Waste oil from the unit is drained into 55-gal drums and taken offsite by CSI to their corporate office for proper disposal. In the future, waste oil may go to the waste oil tank owned and operated by El Paso Field Services.

Used Filters

The Ajax compressor and engine is a splash lubrication system that does not use filters.

Solids and Sludges

No solids or sludges are generated at the facility.

Painting Wastes

No painting wastes are generated at the facility.

Sewage

A porta-potty is located at the facility. It is owned and maintained by a contractor who removes liquids for offsite disposal as necessary. The porta-potty will be removed from the site when the construction of the facility is finished. No sewage will be generated at the site once construction is finished.

Lab Wastes

The facility is not equipped with a lab.

Other Liquid and Solid Wastes

Paper and other solid waste, excluding sorbents, are removed when generated from the site by CSI to their corporate office for proper disposal.

8 Liquid and Solid Waste Collection/Storage/Disposal

This section provides a general description of the collection, storage, and disposal systems used for effluents and solid wastes generated at the plant. Section 7 identifies

the specific collection, storage, and disposal method utilized for each of the effluents generated at the plant.

Collection

The washwater collection system is described above in section 7.

Waste oil is placed in 55-gal barrels and immediately transported offsite by CSI to their corporate office for proper disposal.

The integrity of all buried piping installed at the facility was tested prior to commencement of operation.

Storage

The wastewater tank TK-1 is made of fiberglass and is placed on an impermeable barrier, surrounded by gravel, and is inside a dirt berm constructed to contain approximately 133% the volume of the tank.

No barrels will be stored on the site.

On-Site Disposal

There are no on-site disposal facilities at the facility.

Off-site Disposal

All effluent and waste is removed and disposed of as identified on table 3.

Table 3
Off Site Disposal Contractors and Disposal Facilities

<i>Waste</i>	<i>Removal Contractor</i>	<i>Disposal Facility</i>
Wastewater	Rowland Trucking 1609 East Greene Carlsbad, NM (505) 885-2053	Whistle Stop Disposal Dakota Resources, Operator OCD Permit SWD461
Used oil	Compressor Systems, Inc. removes used oil to corporate office, Carlsbad, NM	Industrial Services Corp. Lubbock, TX
Sorbents	Compressor Systems, Inc. removes used oil to corporate office, Carlsbad, NM	Industrial Services Corp. Lubbock, TX

9 Proposed Modifications

No modifications to the facility are necessary to meet NMOCD requirements.

10 Inspection, Maintenance, and Reporting

The facility is inspected daily by the operator. Maintenance is performed and records are kept according to CSI procedures.

11 Spill/Leak Prevention and Reporting (Contingency Plans)

CSI will handle all spills as required by CSI procedures and will report all spills and leaks according to the requirements of the State of New Mexico found in NMOCD Rule 116 and WQCC Section 1203.

12 Site Characteristics

Whiting Compressor Station is located east of the Alacran Hills in the Quaternary alluvium fill of the Pecos River Drainage Basin. Below the alluvium is the Capitan Reef groundwater monitoring area. The site structurally sits on the northern shelf of the Capitan Reef Complex of the Delaware Basin on the axis of an unnamed, north-northeast-striking anticline (Kelley, 1971, Geology of the Pecos country, southeastern New Mexico: New Mexico Bureau of Mines & Mineral Resources, Memoir 24).



There are no groundwater discharge sites within 1 mile of the facility on the 1985 Carlsbad East, NM 7.5' U.S.G.S. Quadrangle. The south terminus of Lone Tree Draw is 3100 feet north-northeast of the site.

The soil type is Gypsum land-Reeves complex, a sandy loam developed to 14 inches on wind-blown sands formed on 0 to 3% slope. (Soil Survey of Eddy Area, New Mexico, 1971: USDA, Soil Conservation Service). This soil here is developed on a 0 - 1 % slope on sandy, hummocky ground.

The bedrock at the site is a thin layer of Quaternary alluvium (Kelley, 1971, Geology of the Pecos country, southeastern New Mexico: New Mexico Bureau of Mines & Mineral Resources, Memoir 24, Plate 4). Water quality in the alluvium ranges widely and changes rapidly locally. Total dissolved solids range from 188 to 15,000 mg/l, with an average concentration of 2319 mg/l (Richey, Wells, and Stephens, 1985, Geohydrology of the Delaware Basin and Vicinity, Texas and New Mexico: U.S. Geological Survey, Water-Resources Investigations Report 84-4077).

Below the Quaternary alluvium, the Permian Rustler Formation (Hendrickson and Jones, 1952, Geology and Ground-Water Resources of Eddy County, New Mexico: New Mexico Bureau of Mines & Mineral Resources, Ground-Water Report 3) of interbedded evaporites, siltstone, mudstone, and dolomite, is an aquifer in which water quality varies from slightly saline to brine (Richey, Wells, and Stephens, 1985, Geohydrology of the Delaware Basin and Vicinity, Texas and New Mexico: U.S. Geological Survey, Water-Resources Investigations Report 84-4077). Below the Rustler, the Guadalupian Reef carbonates form a deep aquifer of variable water quality (Richey, Wells, and Stephens, 1985, Geohydrology of the Delaware Basin and Vicinity, Texas and New Mexico: U.S. Geological Survey, Water-Resources Investigations Report 84-4077).

As of April, 1996, the only recorded wells within one mile of the facility are from well records of the State Engineer Office, Roswell, and are: three wells to the southwest, about 1700, 1800 and 2000 feet; one well to the west, about 5000 feet; two wells to the northwest, about 2700 feet; one well north, about 2200 feet; two wells northeast, about 3000 and 3400 feet; and four wells east, three about 4500 feet and one about 2500 feet. These wells were used for domestic, stock, and industrial purposes.

Of the three wells to the southwest, one well had a reported water table at 5 feet, one had no reported water table, but water was produced from 20 to 60 feet deep in lime, and the third well had no reported water table. The shallow water table was probably a perched aquifer either in the alluvium or near the top of the Rustler Formation.



The water table reported in the two wells to the northwest of the facility is at 45 feet in lime and at 90 feet below red beds, both probably in the Rustler Formation. The well to the north has no reported water table and a total depth of 100 feet, the well record reported sands and redbeds, so the producing interval is probably in the Rustler.

To the east, a reported water table in 1975 was at 80 feet in sand below anhydrite and redbeds, probably the Rustler Formation; two wells had water tables at 5 and 6 feet, one reported in gypsum. This shallow depth was probably from a perched aquifer near the top of the Rustler. One of these wells also reported a producing zone from 30 to 40 feet in redbeds, probably the Rustler.

From the surrounding well information, below the facility about 5 feet may be a perched aquifer in the alluvium or near the top of the Rustler Formation. Total dissolved solids from this aquifer may be near the reported average from the Quaternary alluvium at 2319 mg/l. The deeper Rustler Formation is an aquifer with a water table at approximately 65 feet, assuming the water table generally follows the topography. Total dissolved solids in the Rustler Formation in April 1975 from a well about 7500 feet northeast were 4530 mg/l (WATSTORE, April, 1996: U.S.G.S., well identifier no. 21S.27E.24.23243). This value may be the approximate value for total dissolved solids in the Rustler Formation under the facility.

Flooding potential at the compressor station is low, as the site is situated on a gently sloping plain in an area away from arroyos and unlikely to be flooded. The soil exhibits rapid permeability in the surface layer (Soil Survey of Eddy Area, New Mexico, 1971: USDA, Soil Conservation Service).

13 Additional Information

Closure Plan

All reasonable and necessary measures will be taken to prevent the exceedance of WQCC Section 3103 quality standards should CSI choose to close permanently the facility. Closure measures will include removal or closure in place of all underground piping and equipment. All tanks will be emptied. No potentially toxic materials or effluents will remain on the site. All potential sources of toxic pollutants will be inspected. Should contaminated soil be discovered, any necessary reporting under NMOCD Rule 116 and WQCC Section 1203 will be made, and clean-up activities will commence. Post-closure maintenance and monitoring plans would not be necessary unless contamination is encountered.

Affirmation

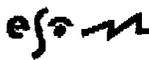
I hereby certify that I am familiar with the information contained in and submitted with this discharge plan for the Whiting Compressor Station and that such information is true, accurate, and complete to the best of my knowledge and belief.

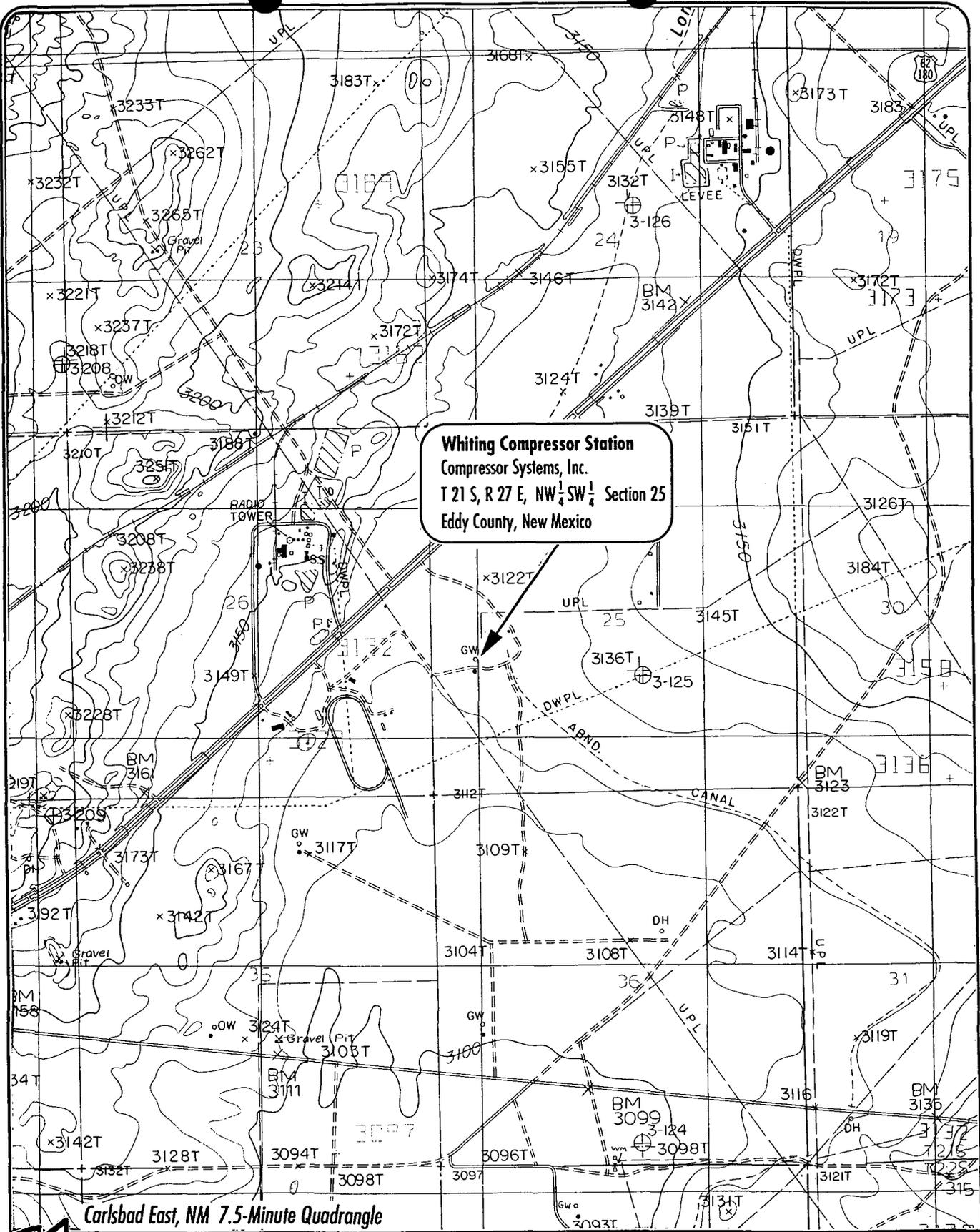
Terry L. Christian

4-25-96

Terry L. Christian
Environmental Coordinator
Compressor Systems, Inc.

Date



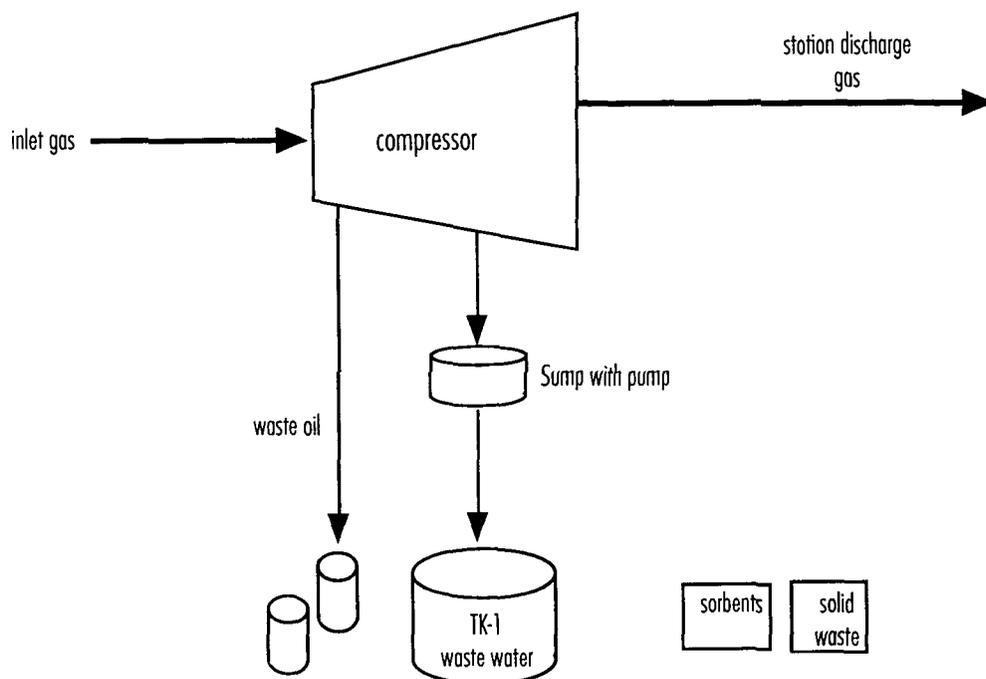


Whiting Compressor Station
 Compressor Systems, Inc.
 T 21 S, R 27 E, NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 25
 Eddy County, New Mexico

Carlsbad East, NM 7.5-Minute Quadrangle



Location of Whiting Compressor Station

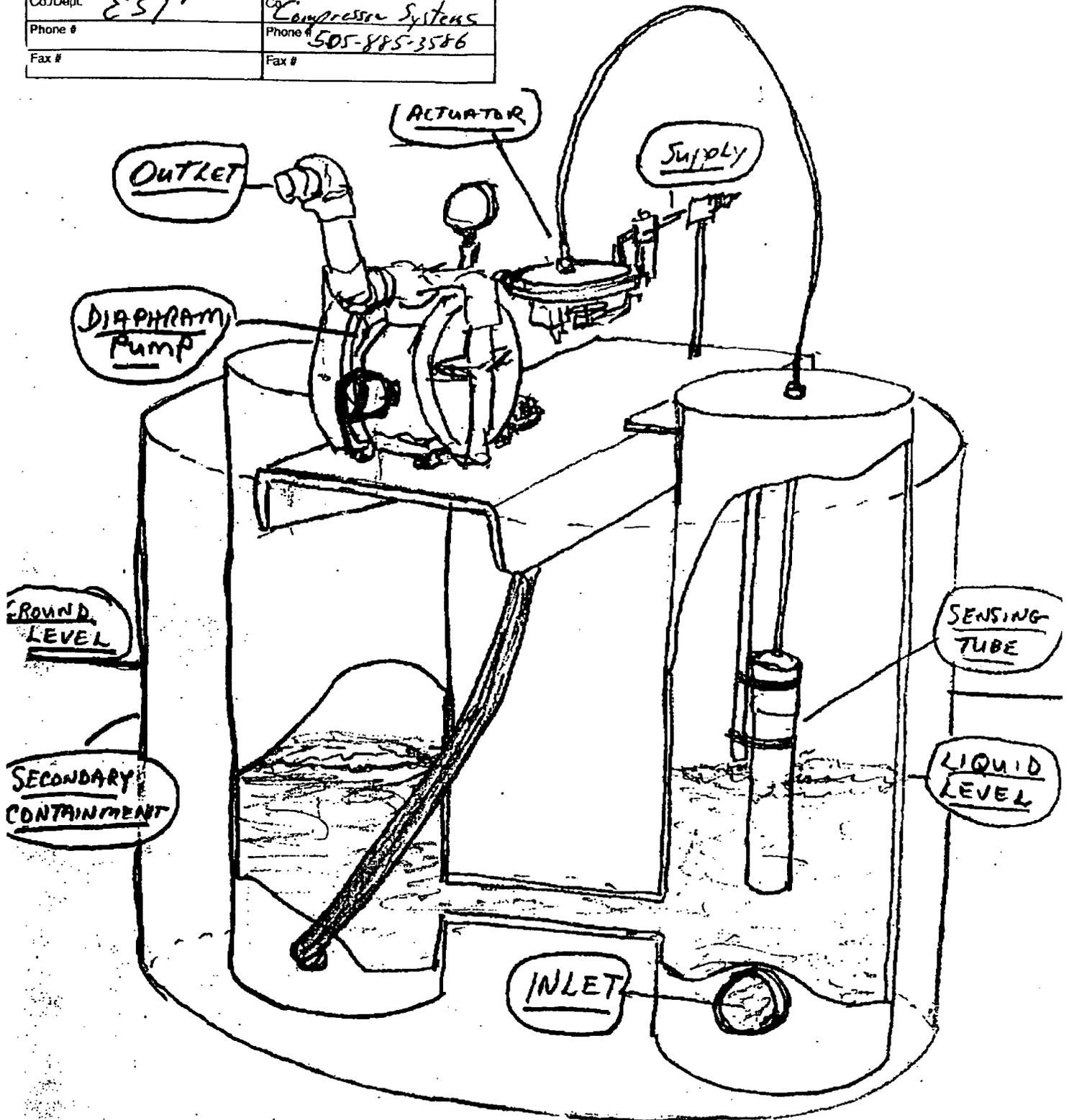


es

**Whiting Compressor Station
Effluent and Solid Waste Production Diagram**

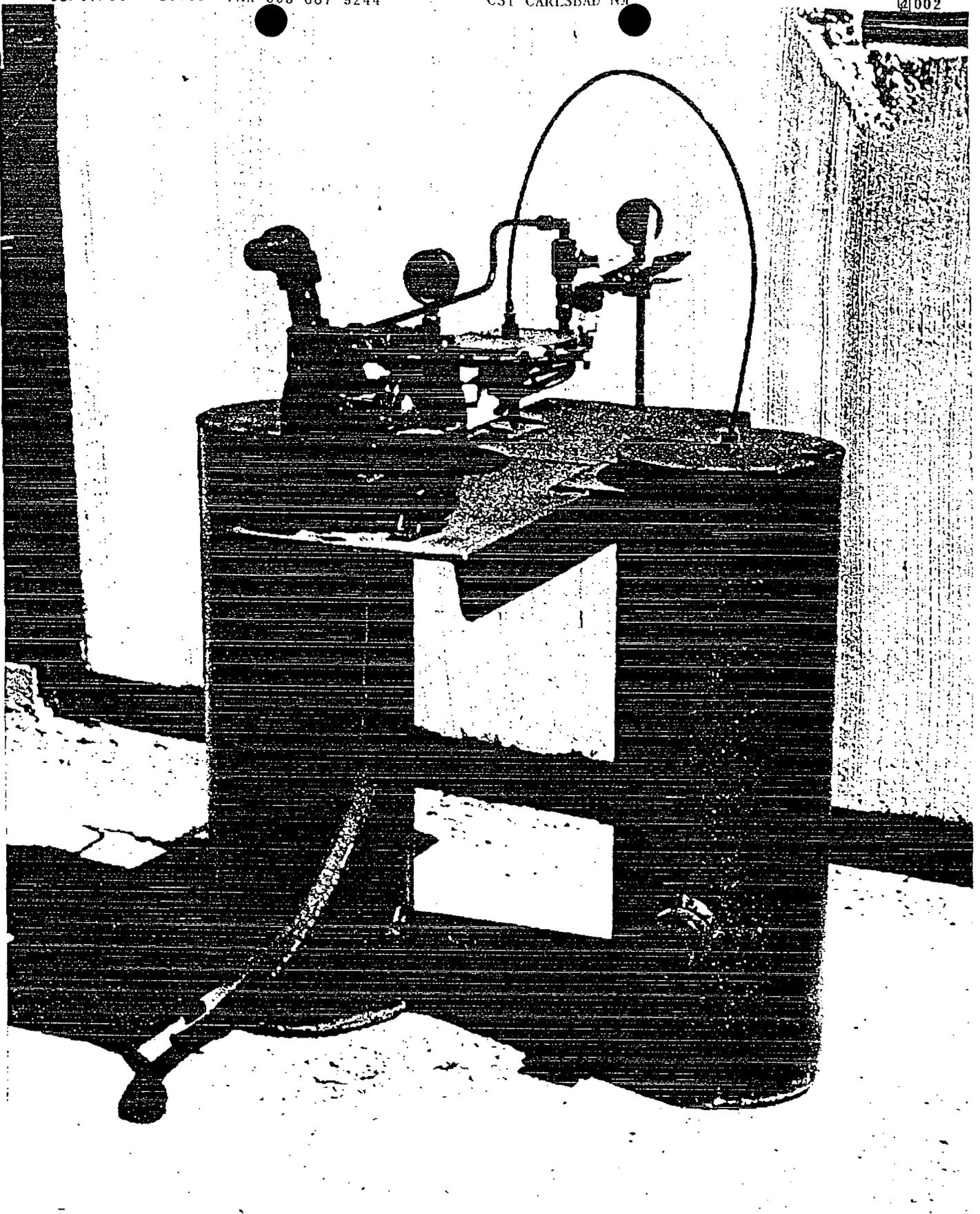
Same for north & south

Post-It Fax Note	7671	Date	# of pages 2
To Susan Boyle	From Lee Rice		
Co./Dept. ESI	Co. Compressor Systems		
Phone #	Phone # 505-885-3586		
Fax #	Fax #		

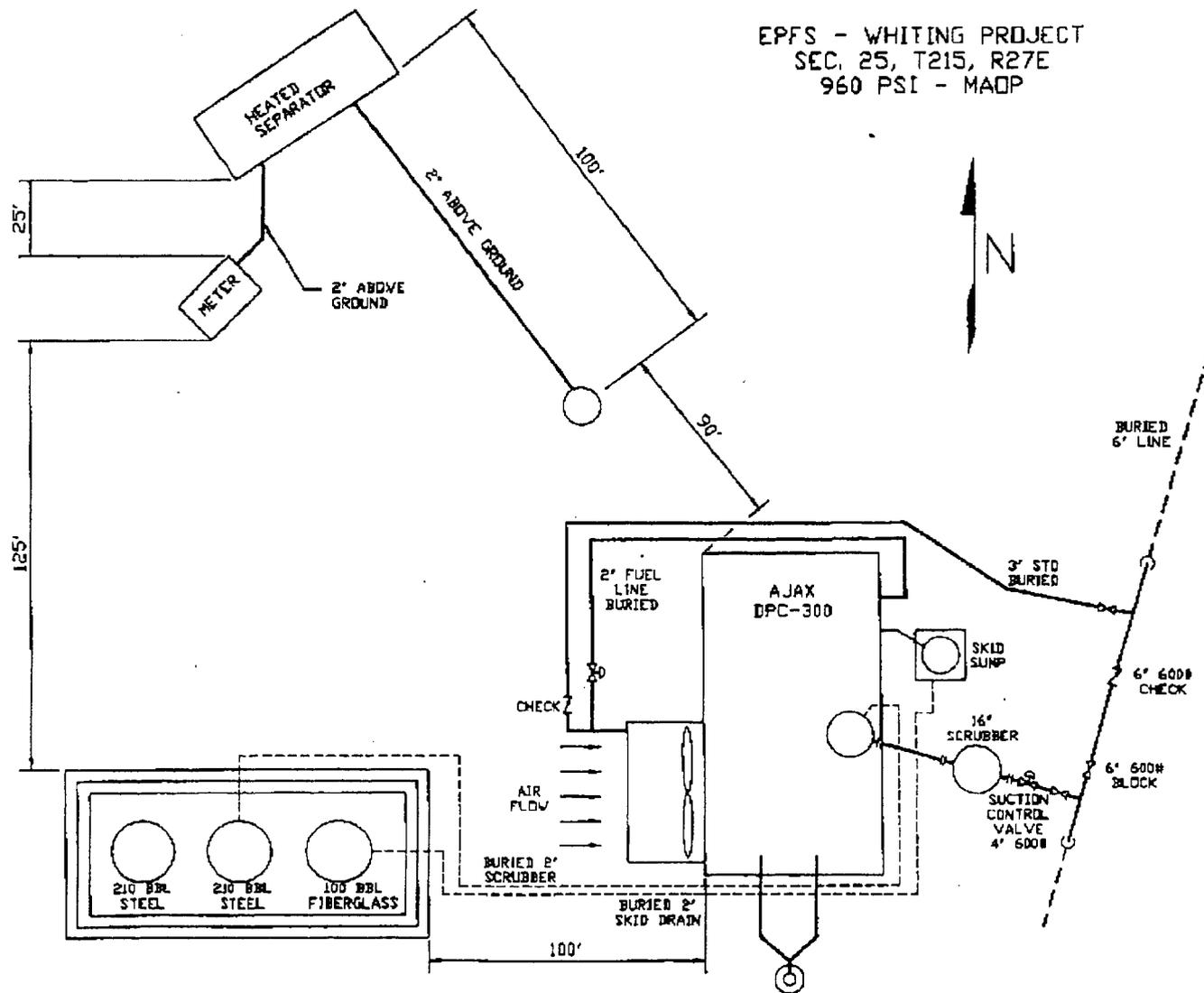


OPERATION

Air pressure created by rising liquid in the sensing tube is transmitted to a diaphragm in the actuator via nylon tubing. The diaphragm activates an air pilot valve which opens the valve to the pump.



EPFS - WHITING PROJECT
SEC. 25, T21S, R27E
960 PSI - MAOP



RULE 113. - SHOOTING AND CHEMICAL TREATMENT OF WELLS

(as of 3-1-91)

If injury results to the producing formation, injection interval, casing or casing seat from shooting, fracturing, or treating a well and which injury may create underground waste or contamination of fresh water, the operator shall give written notice to the Division within five (5) working days and proceed with diligence to use the appropriate method and means for rectifying such damage. If shooting, fracturing, or chemical treating results in irreparable injury to the well the Division may require the operator to properly plug and abandon the well.

RULE 114. - SAFETY REGULATIONS

(as of 3-1-91)

A. All oil wells shall be cleaned into a pit or tank, not less than 40 feet from the derrick floor and 150 feet from any fire hazard. All flowing oil wells must be produced through an oil and gas separator of ample capacity and in good working order. No boiler or portable electric lighting generator shall be placed or remain nearer than 150 feet to any producing well or oil tank. Any rubbish or debris that might constitute a fire hazard shall be removed to a distance of at least 150 feet from the vicinity of wells and tanks. All waste shall be burned or disposed of in such manner as to avoid creating a fire hazard.

B. When coming out of the hole with drill pipe, drilling fluid shall be circulated until equalized and subsequently drilling fluid level shall be maintained at a height sufficient to control subsurface pressures. During course of drilling blowout preventers shall be tested at least once each 24-hour period.

RULE 115. - WELL AND LEASE EQUIPMENT

(as of 3-1-91)

A. Christmas tree fittings or wellhead connections shall be installed and maintained in first class condition so that all necessary pressure tests may easily be made on flowing wells. On oil wells the Christmas tree fittings shall have a test pressure rating at least equivalent to the calculated or known pressure in the reservoir from which production is expected. On gas wells the Christmas tree fittings shall have a test pressure equivalent to at least 150 percent of the calculated or known pressure in the reservoir from which production is expected.

B. Valves shall be installed and maintained in good working order to permit pressures to be obtained on both casing and tubing. Each flowing well shall be equipped to control properly the flowing of each well, and in case of an oil well, shall be produced into an oil and gas separator of a type generally used in the industry.

RULE 116. - NOTIFICATION OF FIRE, BREAKS, LEAKS, SPILLS
AND BLOWOUTS

*(Due to be
been sealed -
still current
1/96)*

(as of 3-1-91)

A. 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.

B. "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 pipe line 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; and 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.

C. 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 of crude oil or condensate, or 100 barrels or more of salt water, none of which reaches 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 pipe line 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 pipe line 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.

(7) 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.

(8) 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.

(9) 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.

(10) 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.

RULE 117. - WELL LOG, COMPLETION AND WORKOVER REPORTS

(as of 3-1-91)

Within 20 days after the completion of a well drilled for oil or gas, or the recompletion of a well into a different common source of supply, a completion report shall be filed with the Division on Form C-105. For the purpose of this rule, any hole drilled or cored below fresh water or which penetrates oil- or gas-bearing formations or which is drilled by an "owner" as defined herein shall be presumed to be a well drilled for oil or gas.

RULE 118. - HYDROGEN SULFIDE GAS - PUBLIC SAFETY

(as of 3-1-91)

A. The intent of this rule is to provide for the protection of the public's safety in areas where hydrogen sulfide (H₂S) gas in concentrations greater than 100 parts per million (PPM) may be encountered.

B. Producing operations should be conducted with due consideration and guidance from American Petroleum Institute (API) publication "Conducting Oil and Gas Production Operations Involving Hydrogen Sulfide" (RP-55). The operator of a lease producing, or a gas processing plant handling H₂S or any other related facility where H₂S gas is present in concentrations of 100 PPM or more shall take reasonable measures to forewarn and safeguard persons having occasion to be on or near the property. In addition to training operator's employees in H₂S safety such measures may include, but are not necessarily limited to, posting of warning signs, fencing of surface installations, installation of safety devices and wind direction indicators, and maintaining tanks, thief hatches and gaskets, valves and piping in condition so as to prevent avoidable loss of vapors. Where release of hydrogen sulfide is unavoidable, the operator shall burn or vent the gas stream in such a manner as to avoid endangering human life.

C. Wells drilled in known H₂S gas producing areas, or where there is substantial probability of encountering H₂S gas in concentrations of 100 PPM or more, should be planned and drilled with due regard to and guidance from API RP-49 "Recommended Practices for Safe Drilling of Wells Containing Hydrogen Sulfide", latest edition. Wells completed and serviced by well servicing units where there is substantial probability of encountering H₂S gas in concentrations of 100 PPM or more should be worked on with due regard to the latest industry accepted practices. These practices may include, but are not necessarily limited to, the proper training of personnel in H₂S safety and the use of H₂S safety equipment as listed for safe operations by the American Petroleum Institute draft report for "Land, Oil and Gas Well Servicing and Workover Operations Involving Hydrogen Sulfide."*

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B. Plans, specifications and reports required by this Section, if related to facilities for the production, refinement and pipeline transmission of oil and gas, or products thereof, shall be filed instead with the Oil Conservation Division. [1-4-68, 12-1-95]

C. Plans and specifications required to be filed under this Section must be filed prior to the commencement of construction. [9-3-72]

1203. NOTIFICATION OF DISCHARGE--REMOVAL.

A. With respect to any discharge from any facility of oil or other water contaminant, in such quantity as may with reasonable probability injure or be detrimental to human health, animal or plant life, or property, or unreasonably interfere with the public welfare or the use of property, the following notifications and corrective actions are required: [2-17-74, 12-24-87]

1. As soon as possible after learning of such a discharge, but in no event more than twenty-four (24) hours thereafter, any person in charge of the facility shall orally notify the Chief of the Ground Water Protection and Remediation Bureau of the department, or his counterpart in any constituent agency delegated responsibility for enforcement of these rules as to any facility subject to such delegation. To the best of that person's knowledge, the following items of information shall be provided:

- a. the name, address, and telephone number of the person or persons in charge of the facility, as well as of the owner and/or operator of the facility;
 - b. the name and address of the facility;
 - c. the date, time, location, and duration of the discharge;
 - d. the source and cause of discharge;
 - e. a description of the discharge, including its chemical composition;
 - f. the estimated volume of the discharge; and
 - g. any actions taken to mitigate immediate damage from the discharge.
- [2-17-74, 2-20-81, 12-24-87, 12-1-95]

2. When in doubt as to which agency to notify, the

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person in charge of the facility shall notify the Chief of the Ground Water Protection and Remediation Bureau of the department. If that department does not have authority pursuant to commission delegation, the department shall notify the appropriate constituent agency. [12-24-87, 12-1-95]

3. Within one week after the discharger has learned of the discharge, the facility owner and/or operator shall send written notification to the same department official, verifying the prior oral notification as to each of the foregoing items and providing any appropriate additions or corrections to the information contained in the prior oral notification. [12-24-87]

4. The oral and written notification and reporting requirements contained in this Subsection A are not intended to be duplicative of discharge notification and reporting requirements promulgated by the Oil Conservation Commission (OCC) or by the Oil Conservation Division (OCD); therefore, any facility which is subject to OCC or OCD discharge notification and reporting requirements need not additionally comply with the notification and reporting requirements herein. [2-17-74, 12-24-87]

5. As soon as possible after learning of such a discharge, the owner/operator of the facility shall take such corrective actions as are necessary or appropriate to contain and remove or mitigate the damage caused by the discharge. [2-17-74, 12-24-87]

6. If it is possible to do so without unduly delaying needed corrective actions, the facility owner/operator shall endeavor to contact and consult with the Chief of the Ground Water Protection and Remediation Bureau of the department or appropriate counterpart in a delegated agency, in an effort to determine the department's views as to what further corrective actions may be necessary or appropriate to the discharge in question. In any event, no later than fifteen (15) days after the discharger learns of the discharge, the facility owner/operator shall send to said Bureau Chief a written report describing any corrective actions taken and/or to be taken relative to the discharge. Upon a written request and for good cause shown, the Bureau Chief may extend the time limit beyond fifteen (15) days. [12-24-87, 12-1-95]

7. The Bureau Chief shall approve or disapprove in writing the foregoing corrective action report within thirty (30) days of its receipt by the department. In the event that the report is not satisfactory to the department, the Bureau Chief shall specify in writing to the facility owner/operator any shortcomings in the report or in the corrective actions already taken or proposed to be taken relative to the discharge, and shall give the facility owner/operator a reasonable and clearly specified

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time within which to submit a modified corrective action report. The Bureau Chief shall approve or disapprove in writing the modified corrective action report within fifteen (15) days of its receipt by the department. [12-24-87]

8. In the event that the modified corrective action report also is unsatisfactory to the department, the facility owner/operator has five (5) days from the notification by the Bureau Chief that it is unsatisfactory to appeal to the department secretary. The department secretary shall approve or disapprove the modified corrective action report within five (5) days of receipt of the appeal from the Bureau Chief's decision. In the absence of either corrective action consistent with the approved corrective action report or with the decision of the secretary concerning the shortcomings of the modified corrective action report, the department may take whatever enforcement or legal action it deems necessary or appropriate. [12-24-87, 12-1-95]

9. If the secretary determines that the discharge causes or may with reasonable probability cause water pollution in excess of the standards and requirements of Section 4103 of this Part, and the water pollution will not be abated within one hundred and eighty (180) days after notice is required to be given pursuant to Section 1203.A.1 of this Part, the secretary may notify the facility owner/operator that he is a responsible person and that an abatement plan may be required pursuant to Sections 4104 and 4106.A of this Part. [12-1-95]

B. Exempt from the requirements of this Section are continuous or periodic discharges which are made: [2-17-74]

1. in conformance with regulations of the commission and rules, regulations or orders of other state or federal agencies; or [2-17-74]

2. in violation of regulations of the commission, but pursuant to an assurance of discontinuance or schedule of compliance approved by the commission or one of its duly authorized constituent agencies. [2-17-74]

C. As used in this Section and in Sections 4100 through 4115, but not in other Sections of this Part: [2-17-74, 12-1-95]

1. "discharge" means spilling, leaking, pumping, pouring, emitting, emptying, or dumping into water or in a location and manner where there is a reasonable probability that the discharged substance will reach surface or subsurface water; [2-17-74]

2. "facility" means any structure, installation, operation, storage tank, transmission line, motor vehicle, rolling

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stock, or activity of any kind, whether stationary or mobile;
[2-17-74]

3. "oil" means oil of any kind or in any form including petroleum, fuel oil, sludge, oil refuse and oil mixed with wastes; [2-17-74]

4. "operator" means the person or persons responsible for the overall operations of a facility; and
[12-24-87]

5. "owner" means the person or persons who own a facility, or part of a facility. [12-24-87]

D. Notification of discharge received pursuant to this Part or information obtained by the exploitation of such notification shall not be used against any such person in any criminal case, except for perjury or for giving a false statement.
[2-17-74]

E. Any person who has any information relating to any discharge from any facility of oil or other water contaminant, in such quantity as may with reasonable probability injure or be detrimental to human health, animal or plant life, or property, or unreasonably interfere with the public welfare or the use of property, is urged to notify the Chief of the Ground Water Protection and Remediation Bureau of the department. Upon such notification, the secretary may require an owner/operator or a responsible person to perform corrective actions pursuant to Sections 1203.A.5 or 1203.A.9 of this Part. [12-1-95]

[1204-1209] Reserved

1210. VARIANCE PETITIONS.

A. Any person seeking a variance pursuant to Section 74-6-4 (G) NMSA 1978, shall do so by filing a written petition with the commission. The petitioner may submit with his petition any relevant documents or material which the petitioner believes would support his petition. Petitions shall: [7-19-68, 11-27-70, 9-3-72]

1. state the petitioner's name and address;
[7-19-68, 11-27-70]

2. state the date of the petition; [7-19-68]

3. describe the facility or activity for which the variance is sought; [7-19-68, 11-27-70]

4. state the address or description of the property upon which the facility is located; [11-27-70]

DICK

#001

Date October, 1985

MATERIAL SAFETY DATA SHEET

Page 1 of

Product Name:

ANTIFREEZE

PHILLIPS PETROLEUM COMPANY
Bartlesville, Oklahoma 74004

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

Post-It™ brand fax transmittal memo 7671 # of pages >

To <u>Sytha</u>	From <u>Dena</u>
Co.	Co.
Dept.	Phone #
Fax #	Fax #



WORLDWIDE

USA AND CANADA

OTHER COUNTRIES

PRODUCT IDENTIFICATION

Synonyms: NE

Chemical Name: Ethylene Glycol

Chemical Family: Glycol

Chemical Formula: C₂H₆O₂

CAS Reg. No: 107-21-1

Product No: NE

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

HAZARDOUS COMPONENTS

<u>Ingredients</u>	<u>CAS Number</u>	<u>% By Wt.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Ethylene Glycol and other Glycols	107-21-1	88-90	NE	50*
Inhibitors and Dye	Various	10-12	NE	NE

* Ceiling Limit

PERSONAL PROTECTION INFORMATION

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

Respiratory Protection: For concentrations exceeding the recommended exposure level, use NIOSH/MSHA approved air purifying respirator. In case of spill or leak resulting in unknown concentration, use NIOSH/MSHA approved supplied air respirator. If conditions immediately dangerous to life or health (IDLH) exist, use NIOSH/MSHA approved self-contained breathing apparatus (SCBA) equipment.

Eye Protection: Use chemical goggles. For splash protection, use face shield with chemical goggles.

Skin Protection: Use gloves impervious to the material being used. Use full-body, long sleeved garments impervious to the material.

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

HANDLING AND STORAGE PRECAUTIONS

Avoid inhalation and skin and eye contact. Wash hands after handling. Wear protective equipment and/or garments described above if exposure conditions warrant. Launder contaminated clothing before reuse. Store in a cool, well-ventilated area. Protect from sources of ignition.

REACTIVITY DATA

Stability: Stable Unstable Conditions to Avoid:

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

Hazardous Polymerization: Will not Occur May Occur Conditions to Avoid

Hazardous Decomposition Products: Carbon oxides and various hydrocarbons formed when burned.

MATERIAL SAFETY DATA SHEET

Page 3

HEALTH HAZARD DATA

RECOMMENDED EXPOSURE LIMITS: ACGIH TLV 50 ppm (ceiling)

ACUTE EFFECTS OF OVEREXPOSURE:

EYE: May cause moderate irritation. Repeated vapor exposure causes severe eye irritation.

SKIN: May cause moderate irritation. Can be absorbed through skin in dangerous amounts.

INHALATION: Causes nausea, vomiting, increased heart rate, drop in blood pressure, depressed reflexes, seizures, convulsions, changes in the eyes, coma. May be aspirated into lungs if swallowed.

INGESTION: Causes eye changes such as optic atrophy and nystagmus. May cause cyanosis.

SUBCHRONIC AND CHRONIC EFFECTS OF OVEREXPOSURE:

Causes central nervous system depression.

OTHER HEALTH EFFECTS: No known applicable information.

HEALTH HAZARD CATEGORIES: (For Epichlorohydrin)

	Animal	Human		Animal	Hu
Known Carcinogen	<input type="checkbox"/>	<input type="checkbox"/>	Toxic	<input type="checkbox"/>	
Suspect Carcinogen	<input type="checkbox"/>	<input type="checkbox"/>	Corrosive	<input type="checkbox"/>	
Mutagen	<input type="checkbox"/>	<input type="checkbox"/>	Irritant	<input type="checkbox"/>	
Teratogen	<input type="checkbox"/>	<input type="checkbox"/>	Target Organ Toxin	<input checked="" type="checkbox"/>	
Allergic Sensitizer	<input type="checkbox"/>	<input type="checkbox"/>	Specify <u>Causes kidney dan</u>		
Highly Toxic	<input type="checkbox"/>	<input type="checkbox"/>	<u>eye damage.</u>		

FIRST AID AND EMERGENCY PROCEDURES:

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

SKIN: Wash with soap and water. If irritation develops, seek medical attention.

INHALATION: Remove from exposure. If illness or adverse symptoms develop seek medical attention.

INGESTION: Do not induce vomiting. Seek immediate medical assistance. If necessary, at his discretion, perform gastric lavage using a cuffed endotracheal tube.

MATERIAL SAFETY DATA SHEET

Page 4 of 6

PHYSICAL DATA

Appearance: Liquid

Odor: Mild

Boiling Point: 330 (166°C)

Vapor Pressure: NE

Vapor Density (Air = 1): > 1

Solubility in Water: Complete

Specific Gravity (H₂O = 1): 1.11 - 1.14 at 60/60°F

Percent Volatile by Volume: 100

Evaporation Rate (Butyl Acetate = 1): < 1

Viscosity: NE

FIRE and EXPLOSION DATA

Flash Point (Method Used): 250°F (121°C) (COC, ASTM D92)

Flammable Limits (% By Volume in Air): LEL 3.2 UEL NE (For Ethylene Gly)

Fire Extinguishing Media: Dry chemical, foam or carbon dioxide (CO₂).

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

Fire and Explosion Hazards: Carbon oxides and various hydrocarbons formed when burned.

SPILL, LEAK and DISPOSAL PROCEDURE

Precautions Required if Material Is Released or Spilled: Evacuate area of all unnecessary personnel. Wear protective equipment and/or garments described on Page 2 if exposure conditions warrant. Shut off source, if possible and contain spill. Protect from ignition. Keep out of water sources and sewers. Absorb in dry, inert material (sand, clay, sawdust, etc.). Transfer to disposal containers.

Waste Disposal (Insure Conformity with all Applicable Disposal Regulations): Incinerate or otherwise manage in a permitted waste management facility.

MATERIAL SAFETY DATA SHEET

Page 5 of 6

DOT TRANSPORTATION

Shipping Name: NA
Hazard Class: NA
ID Number: NA
Marking: NA
Label: NA
Placard: NA
Hazardous Substance/RQ: NA
Shipping Description: NA
Packaging References: NA

RCRA CLASSIFICATION (FOR UNADULTERATED PRODUCT AS A WASTE)
NA

PROTECTIVE MEASURES DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT

Wear protective equipment and/or garments described on Page 2 if exposure conditions warrant. Use NIOSH/MSHA approved respiratory protection, such as air-supplied masks in confined spaces or other poorly ventilated areas. See Page 2 for protective clothing requirements. Contact immediate supervisor for specific instructions before work is initiated.

HAZARD CLASSIFICATION

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

- | | | |
|---|--|---|
| <input type="checkbox"/> Not Hazardous | <input type="checkbox"/> Flammable Solid | <input type="checkbox"/> Oxidizer |
| <input type="checkbox"/> Combustible Liquid | <input type="checkbox"/> Flammable Aerosol | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Explosive | <input type="checkbox"/> Unstable |
| <input type="checkbox"/> Flammable Gas | <input checked="" type="checkbox"/> Health Hazard (See Page 3) | <input type="checkbox"/> Water Reactive |
| <input type="checkbox"/> Flammable Liquid | <input type="checkbox"/> Organic Peroxide | |

MATERIAL SAFETY DATA SHEET

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ADDITIONAL COMMENTS

Phillips believes that the information contained herein (including data and statements) is accurate as of the date hereof. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE AS CONCERNS THE INFORMATION HEREIN PROVIDED. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other materials or in any process. Further, since the conditions and methods of use of the product and the information referred to herein are beyond the control of Phillips (references to Phillips including its divisions, affiliates, and subsidiaries), Phillips expressly disclaims any and all liability as to any results obtained or arising from any use of the product or such information. No statement made herein shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents.

TOTAL P. 06

**MATERIAL SAFETY DATA SHEET
SUPER-A-SOL HOT**

1 HMIS HEALTH
0 HMIS FLAMMABILITY
0 HMIS REACTIVITY
C HMIS PERSONAL PROTECTION

=====

SECTION I - IDENTIFICATION

=====

MANUFACTURER'S NAME..... ADAMS CHEMICAL & EQUIPMENT CO., INC.
PHONE NUMBER..... 915-337-8942
EMERGENCY PHONE NUMBER... 1-800-535-5053
EFFECTIVE DATE..... SEPTEMBER 1991
REVISED DATE..... FEBRUARY 1992
TRADE NAME..... SUPER-A-SOL HOT
CHEMICAL FAMILY..... BIODEGRADABLE INDUSTRIAL DETERGENT
CAS NUMBER..... NONE
CHEMICAL FORMULA..... BLEND

=====

SECTION II - HAZARDOUS INGREDIENTS

=====

HAZARDOUS COMPONENTS	%	TLV (Units)	PROD. CAS #
SODIUM TRIPOLY PHOSPHATE	CONF.	NONE LISTED	7758-29-4
SODIUM HYDROXIDE	CONF.	OSHA: CEILING = 2MG/M3 ACGIH (TLV): CEILING = 2MG/M3	1310-73-2

TOXIC SUBSTANCES CONTROL ACT 40 CFR 710. Sources of the raw materials used in this product assure that all chemical ingredients included are in compliance with Section 8(b), or are otherwise in compliance with the Toxic Substances Control Act.

=====

SECTION III - PHYSICAL DATA

=====

BOILING Point(F)..... APPROXIMATELY 212 DEGREES F
FREEZING POINT (F)..... NOT DETERMINED
VAPOR PRESSURE (mm Hg)... NOT DETERMINED
VAPOR DENSITY (Air=1).... APPROXIMATELY 1
SOLUBILITY IN WATER..... COMPLETELY
APPEARANCE/ODOR..... RED LIQUID
SPECIFIC GRAVITY (H2O=1). APPROXIMATELY 1.18
PH..... 13.75
PH OF RECOMMENDED DILUTIONS
10.5 TO 11.5

=====

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

=====

FLASH POINT..... NON FLAMMABLE
LOWER FLAME LIMIT..... NOT APPLICABLE
UPPER FLAME LIMIT..... NOT APPLICABLE
EXTINGUISHING MEDIA..... NOT APPLICABLE

**MATERIAL SAFETY DATA SHEET
SUPER-A-SOL HOT**

UNUSUAL FIRE HAZARD..... Containers may explode from internal pressure if confined to fire. Cool with water. Keep unnecessary people away.

=====

SECTION V - HEALTH HAZARD DATA

=====

THRESHOLD LIMIT VALUE... 2MG/M3 OSHA

ROUTES OF ENTRY	INHALATION?	SKIN?	INGESTION?
	NONE	CORROSIVE	CORROSIVE

HEALTH HAZARDS..... Acute, Vapors or liquid may be irritating to skin, eyes, or mucous membranes.

CARCINOGENICITY:	NTP?	IARC MONOGRAPHS?	OSHA REGULATED
NO	NO	NO	NO

OVER EXPOSURE EFFECTS.... Immediate irritation and burning sensation followed by destruction of skin or eye tissue.

FIRST AID PROCEDURES..... In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, do not induce vomiting, get immediate medical attention.

=====

SECTION VI - REACTIVITY DATA

=====

CHEMICAL STABILITY..... STABLE

CONDITIONS TO AVOID..... NONE

INCOMPATIBLE MATERIALS... NONE

DECOMPOSITION PRODUCTS... From Fire; Smoke, Carbon Dioxide, Carbon Monoxide, & Oxides of Phosphorous.

HAZARDOUS POLYMERIZATION. WILL NOT OCCUR

POLYMERIZATION AVOID..... NONE KNOWN

=====

SECTION VII - SPILL OR LEAK PROCEDURE

=====

FOR SPILL..... In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations.

WASTE DISPOSAL METHOD... Hazardous waste. Follow Federal and State Regulations.

=====

SECTION VIII - SPECIAL PROTECTION

=====

RESPIRATORY PROTECTION... NOT NORMALLY REQUIRED

VENTILATION..... RECOMMENDED

MECHANICAL EXHAUST..... NOT NORMALLY REQUIRED

LOCAL EXHAUST..... NOT NORMALLY REQUIRED

PROTECTIVE GLOVES..... WEAR IMPERVIOUS GLOVES

EYE PROTECTION..... WEAR GOGGLES OR FACE SHIELD

MATERIAL SAFETY DATA SHEET
SUPER-A-SOL HOTOTHER PROTECTIVE
EQUIPMENT..... EYE WASH FOUNTAIN AND SAFETY SHOWER

=====

SECTION IX - SPECIAL HANDLING

=====

HANDLING AND STORAGE..... Wear impervious gloves. Use goggles or face shield if
splashing is likelyPRECAUTIONARY MEASURES... Avoid contact with skin, eyes, and clothing. After
handling this product, wash hands before eating,
drinking, or smoking. If contact occurs, remove
contaminated clothing. If needed, take first aid
action shown in Section V.

DOT HAZARD CLASS..... D002 CORROSIVE

DOT SHIPPING NAME..... CORROSIVE LIQUID CONTAINS SODIUM HYDROXIDE

DOT REPORTABLE QUANTITY (RQ)..... NONE

UN NUMBER..... UN 1760

NA NUMBER..... NOT APPLICABLE

PACKAGING SIZE..... VARIED

DOT LABEL REQUIRED..... CORROSIVE

=====

SECTION X - REGULATORY

=====

EPA ACUTE..... YES

EPA CHRONIC..... NO

EPA IGNITABILITY..... NO

EPA REACTIVITY..... NO

EPA SUDDEN RELEASE OF

PRESSURE..... NO

CERCLA RQ VALUE..... NONE

SARA TPQ..... NONE

SARA RQ..... NONE

SARA SECTION 313..... NOT LISTED

EPA HAZARD WASTE #..... D002 CORROSIVE

CLEAN AIR ACT..... NOT LISTED

CLEAN WATER ACT..... LISTED IN SEC 311

FOOT NOTES

PREPARED BY:..... HAZARDOUS MATERIAL CHEMIST, MIDLAND TEXAS

MATERIAL SAFETY DATA SHEET
SUPER-A-SOL HOT

THIS PRODUCT'S SAFETY INFORMATION IS PROVIDED TO ASSIST OUR CUSTOMERS IN ASSESSING COMPLIANCE WITH HEALTH, SAFETY AND ENVIRONMENTAL REGULATIONS. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US AND IS BELIEVED TO BE ACCURATE, ALTHOUGH NO GUARANTEE OR WARRANTY IS PROVIDED BY THE COMPANY IN THIS RESPECT. SINCE THE USE OF THIS PRODUCT IS WITHIN THE EXCLUSIVE CONTROL OF THE USER, IT IS THE USER'S OBLIGATION TO DETERMINE THE CONDITIONS OF SAFE USE OF THIS PRODUCT. SUCH CONDITIONS SHOULD COMPLY WITH ALL FEDERAL REGULATIONS CONCERNING THE PRODUCT.



CITGO Petroleum Corporation
P. O. Box 3758
Tulsa, OK 74102

Material Safety Data Sheet

Generic Name: CITGO Gas Engine Oils, SUS 450-2000 Date: January 25, 1996
Generic Code: GE-S1a

THIS GENERIC MSDS COVERS THE FOLLOWING CITGO PRODUCTS

Trade Name	Commodity Code Number
CITGO Pacemaker GEO 315	32-004
CITGO Pacemaker GEO 340	32-003
CITGO Pacemaker GEO 1015	32-210
CITGO Pacemaker GEO 1020	32-212
CITGO Pacemaker GEO 1035	32-032
CITGO Pacemaker GEO 1215	32-037
CITGO Pacemaker GEO 1230	32-035
CITGO Pacemaker GEO 1240	32-036
CITGO Pacemaker GEO Special	32-054
CITGO Pacemaker GEO 715	32-033
CITGO Pacemaker GEO 740	32-034
CITGO Pacemaker GEO 1615	32-047
CITGO Pacemaker GEO 1630	32-045
CITGO Pacemaker GEO 1640	32-046
CITGO Pacemaker GEO 815	32-026
CITGO Pacemaker GEO 830	32-027
CITGO Pacemaker GEO 840	32-028
CITGO Pacemaker GEO 935	32-030

Synonyms:	Lubricating Oil	Technical Contact:	(918) 495-5933
CAS No.:	Mixture (Refer to Section 1)	Medical Emergency:	(918) 495-4700
CITGO Index No.:	1954	CHEMTREC Emergency:	(800) 424-9300

MATERIAL HAZARD EVALUATION

Health Precautions: Protect exposed skin from repeated or prolonged exposure.

Safety Precautions: Do not store material in open or unmarked containers.

HMS Rating¹ Health: 0 Flammability: 1 Reactivity: 0

¹ Hazard Rating: least-0, slight-1, moderate-2, high-3, extreme-4.
CITGO assigned these values based upon an evaluation conducted pursuant to NFPA guidelines.

1.0 GENERIC COMPOSITION / COMPONENTS

Components	CAS #	%	Hazard Data
Refined Petroleum Oil(s)	Refer to Section 11	> 70	Oral LD50 (rat): > 5 g/kg Dermal & Eye: Mild irritant.
Anti-oxidant, Dispersant (May include Zinc Dialkyldithiophosphate)	Mixture	< 20	Dermal Irritation: Mild irritant Eye Irritation: Irritant
VI Improver	Mixture	< 15	Dermal & Eye: Mild irritant.
Pour Point Depressant	Mixture	< 1	Dermal & Eye: Mild irritant.
Antifoam	Mixture	< 0.1	Dermal & Eye: Mild irritant.

2.0 PHYSICAL DATA

PHYSICAL HAZARD CLASSIFICATION (Per 29 CFR Part 1910.1200)

Combustible	No	Flammable	No	Pyrophoric	No
Compressed Gas	No	Organic Peroxide	No	Reactivity	No
Explosive	No	Oxidizer	No	Stable	Yes

Boiling Point, 760 mmHg, °C (°F): -361 - 466 (-682 - 870)
 Specific Gravity (60/60 °F) (H₂O = 1): -0.87 - 0.89
 Vapor Density (Air = 1): > 1
 % Volatiles by Volume: Negligible
 Melting Point, °C (°F): NA
 Vapor Pressure, mmHg (25°C): < 1 x 10⁻⁴ to -4 x 10⁴
 Solubility in H₂O: Negligible
 Evaporation Rate (Butyl Acetate = 1): < 1
 pH of Undiluted Product: NA
 Appearance and Odor: Light to dark amber liquid, slight petroleum odor.

3.0 FIRE AND EXPLOSION DATA

Flash Point, OC, °C(°F) 213 - 286 (415 - 547)
 Flash Point, CC, °C (°F) 170 - 232 (338 - 450)
 Fire Point, OC °C(°F) 238 - 314 (460 - 597)
 NFPA Rating² Health: 0 Flammability: 1 Reactivity: 0
 Flammable Limits (% by volume in air) Lower: ND Upper: ND
 Extinguishing Media CO₂, dry chemical, foam, water fog
 Special Fire Fighting Procedure None
 Unusual Fire or Explosion Hazard Water may cause frothing

Use of an asterisk (*) indicates that the material may present chronic health effects.

²Hazard Rating: least-0; slight-1; moderate-2; high-3; extreme-4.

CITGO assigned these values based upon an evaluation conducted pursuant to NFPA guidelines.

NA-Not Applicable

ND-No Data

NE-Not Established

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4.0 REACTIVITY DATA

Stability:	Stable.
Conditions Contributing to Instability:	Excessive heat.
Incompatibility:	Strong oxidants, strong acids, caustics
Hazardous Decomposition Products: (thermal, unless otherwise specified):	CO ₂ (CO under incomplete combustion) Trace oxides of phosphorus, sulfur and zinc
Conditions Contributing to Hazardous Polymerization:	Hazardous polymerization is not expected to occur.

5.0 SPILL, LEAK AND DISPOSAL PROCEDURES

Procedure if Material is Spilled:

- Remove all ignition sources.
- Isolate the area of the spill and restrict access to persons wearing protective clothing.
- Ventilate area of release, as necessary, to disperse vapors and mists.
- **Small Spills:** Absorb released material with non-combustible absorbent. Place into containers for later disposal. (See Waste Disposal section below.)
- **Large Spills:** Evacuate area in the event of significant spills. Evaluate exposure potential. Potential exposure may require the use of positive pressure self-contained breathing apparatus. Use protective clothing. Contain spill in temporary dikes to avoid product migration and to assist in recovery. Do not allow material to escape into sewers, ground water, drainage ditches or surface waters.
- Administer appropriate first aid.
- Report releases as required to the appropriate Federal, State and local authorities.

Waste Disposal:

- It is the responsibility of the user to determine if the material is a hazardous waste at the time of disposal.
- Determine compliance status with all applicable requirements prior to disposal.
- Contact the RCRA/Superfund Hotline at (800) 424-9346 or your regional US EPA office for guidance concerning case specific disposal issues.

Protective Measures During Repair and Maintenance of Contaminated Equipment:

- Refer to Section 7.0 - Special Protection Information.
- Drain and purge equipment, as necessary, to remove material residues.
- Use impervious gloves constructed of nitrile rubber and protective work clothing if direct contact is anticipated.
- Eliminate heat and ignition sources.
- Wash exposed skin thoroughly with soap and water.
- Remove contaminated clothing. Launder before reuse.
- Keep unnecessary persons from hazard area.

6.0 HEALTH HAZARD DATA

Health Hazard Classification (Per 29 CFR Part 1910.1200)

Carcinogen	No	Corrosive	No
Animal Carcinogen	No	Irritant	No
Suspect Carcinogen	No	Sensitizer	No
Mutagen	No	Teratogen	No
Highly Toxic	No	Target Organ	No
Toxic	No		

Carcinogen or Potential Carcinogen:

Product/Component	CAS No.	Conc. (%)	NTP	IARC	OSHA	Other
CITGO Gas Engine Oils, SUS 450-2000	Mixture	100	No	No	No	No

Toxicity Summary: The approximate lethal oral dose of this material for a 150 lb. human adult is one quart.

Major Route of Entry: Inhalation of incidental mists or vapors and dermal contact with liquid.

Acute Exposure Symptoms:

- Inhalation:** Over exposure to mists or fumes at elevated temperatures cause drowsiness, dizziness, headache, nausea, lung irritation or chemical pneumonitis.
- Dermal Contact:** Mild irritant.
- Eye Contact:** Mild to moderate irritant.
- Ingestion:** The Saybolt viscosity of this material is 450 to 2000 SUS at 100°F. There is slight risk of aspiration of vomitus into the lungs. Ingestion of large quantities may result in gastrointestinal discomfort, diarrhea, and headache. Small doses may produce irritation and diarrhea.
- Injection:** Subcutaneous or intramuscular injection may cause irritation, erythema, edema.

Chronic Exposure Symptoms:

Prolonged and/or frequent contact may cause drying, cracking (dermatitis) or folliculitis.

Other Special Effects:

None expected.

NA-Not Applicable ND-No Data NE-Not Established
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6.0 HEALTH HAZARD DATA (continued)

Medical Conditions Aggravated by Exposure

None.

First Aid and Emergency Procedures for Acute Effect

- Inhalation:** Move victim to fresh air. Provide respiratory support if necessary. Seek medical aid.
- Dermal:** Wash exposed skin with soap and water. Remove contaminated clothing. Launder before use.
- Eyes:** Flush eyes with large volumes of water for at least 15 minutes. Seek medical aid.
- Ingestion:** Induce vomiting only upon the advice of a physician. Seek medical aid.
- Injection:** Subcutaneous injection is a medical emergency. Seek medical aid immediately.

Notes to Physician

The Saybolt viscosity of the products covered by this MSDS ranges from 450 SUS to 2000 SUS at 100° F. If ingested, there is a risk of aspiration of vomitus into the lungs. Removal of material by emesis or lavage may be considered. However, protection of the airway is recommended.

Subcutaneous or intramuscular injection requires prompt surgical debridement.

7.0 SPECIAL PROTECTION INFORMATION

Ventilation Requirements:

Use in well ventilated area. In confined space, mechanical ventilation may be required to keep levels of certain components below applicable workplace exposure levels as evaluated by designated and properly trained personnel.

Applicable Workplace Exposure Levels:

Chemical Component	ACGIH TLV TWA ppm (mg/M ³)	ACGIH TLV STEL/ Ceiling (C) ppm (mg/M ³)	ACGIH TLV Skin notation?	OSHA PEL TWA ppm (mg/M ³)	OSHA PEL STEL/ Ceiling (C) ppm (mg/M ³)	OSHA PEL Skin notation?
Oil Mist, Mineral	(5)	(10)	No	(5)	NE	No

NA-Not Applicable

ND-No Data

NE-Not Established

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7.0 SPECIAL PROTECTION INFORMATION (continued)

Specific Personal Protective Equipment:

- Respirator:** At elevated temperatures, vapor or mist concentrations above applicable workplace exposure levels may be expected. Use a NIOSH or MSHA approved organic vapor/mist chemical cartridge respirator when elevated airborne concentrations are anticipated.
- Eyes:** Safety glasses or chemical splash goggles if splashing is anticipated.
- Dermal:** Oil impervious gloves if frequent or prolonged contact is anticipated.
- Other Clothing or Equipment:** Wear body-covering work clothes to avoid prolonged or repeated exposure. Launder contaminated work clothes before reuse.

8.0 TRANSPORTATION AND SPECIAL PRECAUTIONS

- Storage:** Store below 150° F. Do not apply high heat or flame to container. Keep separate from strong oxidizing agents.
- Caution:** Empty containers may contain product residue which could include flammable vapors. Consult appropriate Federal, State and local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers and/or waste residues of this product.

DOT Information

Proper Shipping Name	Petroleum Lubricating Oils
Hazard Class	Non-Hazardous
Hazard Identification Number	None assigned
Packaging Group	None assigned
Placard	None
Compatibility Category	Group 33
CHRIS Code	OLB

9.0 ENVIRONMENTAL DATA

Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 313 - Toxic Chemicals

This product is not known to contain any components in concentrations above *de minimis* levels that are listed as toxic chemicals in 40 CFR Part 372 pursuant to the requirements of Section 313 of SARA.

Section 311/312 - Hazard Categories

This product may meet one or more of the criteria for the hazard categories defined in 40 CFR Part 370 as established by Sections 311 and 312 of SARA as indicated below:

Immediate (Acute) Health Hazard	No	Sudden Release of Pressure Hazard	No
Delayed (Chronic) Health Hazard	No	Reactive Hazard	No
Fire Hazard	No		

Section 302 - Extremely Hazardous Substances

This product is not known to contain any components in concentrations greater than one percent that are listed as Extremely Hazardous Substances in 40 CFR Part 355 pursuant to the requirements of Section 302(a) of SARA.

Clean Water Act (CWA)

Under the CWA, discharges of crude oil and petroleum products to surface water without proper Federal and State permits must be reported immediately to the National Response Center at (800) 424-8802.

Comprehensive Environmental Response, Compensation, & Liability Act (CERCLA) Section 102 Hazardous Substances

As defined by CERCLA, 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.

New Jersey Worker and Community Right-to-Know Act

Petroleum Oil.

California Proposition 65 (The Safe Drinking Water and Toxics Enforcement Act)

This material contains components that are known to the State of California to be:

Carcinogenic: No Teratogenic: No

Federal Regulations:

Reported in TSCA Inventory as:	Product	Components
CITGO Gas Engine Oil, SUS 30-399		X

NA-Not Applicable	ND-No Data	NE-Not Established
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10.0 LABELING

NOTE

This product has been determined not to be a physical or a health hazard as defined by the OSHA Hazard Communication Standard.

Avoid prolonged skin contact with used motor oil. Continuous contact has caused skin cancer in laboratory animals. After draining oil, wash skin thoroughly with soap and water. Launder contaminated clothing before reuse.

11.0 REFINED PETROLEUM OILS

The products listed on page one of this MSDS contains one or more of the following base oils.

<u>Chemical / Common Name</u>	<u>CAS #</u>
Solvent Refined Light Paraffinic Distillate	64741-89-5
Solvent Refined Heavy Paraffinic Distillate	64741-88-4
Solvent Dewaxed Heavy Paraffinic Distillate	64742-65-0
Hydrotreated Light Paraffinic Distillate	64741-55-8
Hydrotreated Neutral Lubricating Oil	72623-87-1
Hydrotreated High Viscosity Neutral Lubricating Oil	72623-85-9

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NA-Not Applicable

ND-No Data

NE-Not Established

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