GW -

GENERAL CORRESPONDENCE

YEAR(S): 2005-198



NEW NEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabinet Secretary

February 24, 2005

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

Mr. J. L. Davis.
Davis Processing, Inc.
211 North Colorado
Midland, Texas 79701-4696

RE: GW-048 Denton Gas Plant Inspection

Lea County, New Mexico

Dear Mr. Davis:

The New Mexico Oil Conservation Division (OCD) personnel, Mr. Larry Johnson and Mr. W. Jack Ford, on February 8, 2005, along with Mr. O. R. Barr, Jr. of Davis Processing, Inc., inspected the Denton Gas Plant facility. The purpose was a routine inspection for compliance with terms of the recently renewed discharge permit for this facility. The information that follows will address the concerns of the OCD at the above referenced facility:

- 1. Empty drums and barrels need to be stored on their side with bungs in place and horizontal to grade. See condition number 4 of the discharge permit.
- 2. All drums and/or barrels require clear labeling to identify their contents.
- 3. General housekeeping is being addressed at the site and will be checked again in the near future.
- 4. Produced water tank requires label to clearly show contents.
- 5. Methenol tanks should be repainted with label clearly shown to identify contents.

The OCD would like to thank Mr. O. R. Barr, Jr. for his professional conduct during the site visit. I have included pictures taken at the Denton Gas Plant during the inspection. If there are any questions regarding this report feel free to call me at (505)-476-3489.

Sincerely

W. Jack Ford, C.P.G.

Water Resource Engineering Specialist

OCD Environment Bureau

cc: OCD Hobbs District Office

Davis Processing, Inc.
Denton Gas Plant
Lea County, New Mexico





Davis Processing, Inc. Denton Gas Plant Lea County, New Mexico





Davis Processing, Inc.
Denton Gas Plant
Lea County, New Mexico





Davis Processing, Inc. Denton Gas Plant Lea County, New Mexico





Davis Processing, Inc.
Denton Gas Plant
Lea County, New Mexico





Davis Processing, Inc. Denton Gas Plant Lea County, New Mexico





Davis Processing, Inc.
Denton Gas Plant
Lea County, New Mexico





Davis Processing, Inc.
Denton Gas Plant
Lea County, New Mexico





Davis Processing, Inc. Denton Gas Plant Lea County, New Mexico





ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

	ereby acknowledge	•	ek No.	dated /2//c//
	cash received on			of \$ 4,000.00
	J. L. Da.	VIS		- + <u>1,000.00</u>
for	Denton G.P.			6112-018
Subm	ritted by:	MJm	. Date:	GW-048 12/13/04
Subm	itted to ASD by:		Date:	
Rece	ived in ASD by: _		Date:	
	Filing Fee	New Facility		
	Modification			
		. (aparel	77)	
To be	e deposited in the	ne Water Quality	/ Management Fu Increment	und.
THIS CHECK IS V	Full Payment V	or Annual 1	increment	Magazina Magazina Magazina
J.L. DAVIS DENTON PLANT 21! NORTH COLORADO	Full Payment V	or Annual I	increment	A private of the contract of t
THIS CHECK IS V J.L. DAVIS DENTON PLANT	Full Payment V	or Annual I	Increment	A private of the contract of t
J.L. DAVIS DENTON PLANT 211 NORTH COLORADO (432) 682-6311	Full Payment Cold Without A Blue & Red BACK D. Midland Texas 797014696	Or Annual I	Increment	AT AN ANGLE TO VIEW ST TEXAS NATIONAL BANK
J.L. DAVIS DENTON PLANT 21! NORTH COLORADO (432) 682-6311	Full Payment V	Or Annual I	Increment	AT AN ANGLE TO VIEW ST TEXAS NATIONAL BANK
J.L. DAVIS DENTON PLANT 211 NORTH COLORADO (432) 682-63[1	Full Payment Oldwithout A Blue & Red BACK Midland Texas 797014696 **4,000 DOLEARS AND 00 MANAGEMENT QUALITY JEMENT FIRED	GROUND AND AN ARTIFICIAL WATE	Increment HERMARKON THEBACK-HOLD WE 12/03/04	AT AN ANGLE TO VIEW ST TEXAS NATIONAL BANK MIDIAND TEXAS
TAIS CHECKISM J.L. DAVIS DENTON PLANT 211 NORTH COLORADO (432) 682-6311 TO WATER THE MANAGE THE C/O: OIL ORDER 1220 SO	Full Payment ODWITHOUT A BLUE & RED BACK MIDLAND TEXAS 797014696 **4,000 DOLLARS AND 00	GROUND AND AN ARTIFICIAL WATE	Increment HERMARKON THEBACK-HOLD WE 12/03/04	AT AN ANGLE TO VIEW ST TEXAS NATIONAL BANK MIDLAND TEXAS \$4,000,00 J.E. DAVIS

J.L. DAVIS DENTON PLANT

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0031036

211 NORTH COLORADO MIDLAND, TEXAS 79701-4696 (432) 682-6311

DESCRIPTION

INV DATE

11/30/04

ΓΕ INVOICE REF. #

FEE

AMOUNT 4,000.00

0111177

WATER MANAGEMENT QUALITY

0031036

4,000.00

J. L. DAVIS

GAS CONSULTING - REGISTERED ENGINEER 211 NORTH COLORADO MIDLAND, TEXAS 79701-4696

OFF: 915-682-6311 Fax: 915-682-4024

Area code is now 432

December 9, 2004

CERTIFIED RETURN RECEIPT REQUESTED

New Mexico Energy, Minerals & Natural Resources Dept. Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

RE:

J.L. Davis Denton Plant

Water Discharge Permit GW-048

Renewal Fee Payment

Gentlemen:

Attached you will find:

1. Copy of Discharge Permit Approval Conditions, signed by Mr. J.L. Davis.

2. Denton plant check #0031036 dated 12/03/04 in the amount of \$4,000.

arge

The above material is being returned within the 30 day period after receiving the discharge permit approval conditions and request for payment of the renewal fee, based on the receipt date stamp of November 12, 2004.

If you have any questions, please contact me by telephone at 432-682-6311 or FAX at 432-682-4024. The best means of contact is probably by email: dkjudd@nts-online.net

Very-truly yours

Donald K, Judd

Agent

CC: J.L. Davis

Mr. M.K. Davis - Abilene office

Mr. Bob Stewart

Mr. O.R. Barr, Jr. - Denton plant

Mr. Bobby Roach

Founded 1849

RICEIVED

OCT 1 2 2004

OLL CONSERVATION DIVISION

NM OIL CONSERVATION DIV.

1220 ST. FRANCIS DR Attn: Ed Martin SANTA FENM 87505 ALTERNATE ACCOUNT: 56689

AD NUMBER: 00089513 ACCOUNT: 00002212

LEGAL NO: 75034

P.O. #: 05-199-050185

461 LINES 1 TIME(S)

315.04

AFFIDAVIT:

5.50

TAX:

21.44

TOTAL:

341.98

AFFIDAVIT OF PUBLICATION

STATE OF NEW MEXICO COUNTY OF SANTA FE

I, B. Perner, being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTA FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication # 75034 a copy of which is hereto attached was published in said newspaper 1 day(s) between 10/06/2004 and 10/06/2004 and that the notice was published in the newspaper proper and not in any supplement; the first date of publication being on the 6th day of October, 2004 and that the undersigned has personal knowledge of the matter and things set forth in this affidavit.

1SI Stein

LEGAL ADVERTISEMENT REPRESENTATIVE

Subscribed and sworn to before me on this 6th day of October, 2004

Notary Jaura & Harding

Commission Expires:

11/23/07

NOTICE OF PUBLICATION

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

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

(GW-049) - El Paso Natural Gas Co., Mr. Richard Duarte, 3801 Atrisco Blvd. NW, Albuquerque, NM 87120, has submitted a renewal application for their "A" Blanco Plant facility located in the NE/4 NE/4 of Section 23, Township 27 West, Range 13 North, NMPM, San Juan County, New Mexico. A small amount of engine wash-down water and storm water run-off is discharged to the City of Bloomfield publicly owned treatment works. Ground-water most likely to be affected by a spill, leak, or accidental discharge to the sur-face varies in depth from 14 to 39 feet. The discharge plan addresses how spill, leaks and other accileaks, and other accidental discharges to the surface will be managed.

Farmington, NM 87401, has submitted a renewal application for the Rattlesnake Canyon Gas Plant, lo-cated in the NE/4 of Section 16, Township 32 North, Range 9 West, NMPM, San 32 North, Rail West, NMPM, San Juan County, New Mexico. Approximately 375 barrels per month of produced water with a dis-solved solids concentration ranging from 10,000 to 15,000 mg/L is collected in closed steel tanks prior to transport to an transport an OCD-approved posal facility. dis-Approximately10 barrels per year of wastewa-ter from equipment washdown are coldouble-walled underground sump prior to

dental discharge is at a depth of approximately 75 feet with a total dissolved solids concentration ranging from 48 mg/L to 52 mg/L. The dis-52 mg/L. The dis-charge plan ad-dresses how spills, charge leaks, and other acci-dental discharges to the surface will be managed.

(GW-049-2) - El Paso Field Services, David Bays, 614 Reilly Ave., Farmington, 87401, has submitted a discharge permit application for the Blanco C and D Compressor Station, lo-cated in the N/2 N/2 of Section 14, Town-ship 29 North, Range 11 West, NMPM, San Juan County, New County, New Mexico. mately 9,500 barrels per month of crude oil and natural gas condensate are collected in closed-top steel tanks until sale to the Giant Refinery near Bloomfield, NM. Bloomfield, Groundwater most likely to be affected in the event of an accidental discharge is at a depth of approxi-mately 15 to 40 feet. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-182) - Williams Field Services, Mi-chael K. Lane, (505) 632-4625, 188 CR 4900, Bloomfield, New Mex-ico 87413, has submitted a discharge plan renewal application for the Navajo CDP Compressor Station located in the NE/4 NW/4 of Section 2, Township 30 North, Range 8 West, NMPM, San Juan County, New Mexico. After oil/wa-ter separation, ap-proximately 42 gal-lons per day of proc-ess waste water with a total dissolved solids concentration in excess of 2000 mg/l is stored in an above ground, closed-top steel tank prior to transport to an OCD approved off-site disapproved off-site dis-posal facility. Ground water most likely to be affected in the event of an accidental discharge is at a depth of 20 feet with a total dissolved sol-ids concentration of approximately 2000 approximately mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the sur-face will be managed.

(GW-047) - Williams

Field Services, Mark K. Lane, (505) 632-4625, 188 CR 4900, 632-4625, 188 CR 4900, Bloomfield, New Mex-ico 87413, has submit-ted a discharge plan renewal application for the Lybrook Natural Gas Processing Plant located in the N/2 NW/4 of Section 14, Township 23 most likely to be af-North, Range 7 West, NMPM, Rio Arriba County, New Mexico. Charge is at a depth El Paso After oil/water sepa-Field Services, David ration, approximately feet with a total dis-Bays, 614 Reilly Ave., 3000 gallons per day solved solids concen-Farmington, NM of process wastewaof process wastewa-ter with a total dis-solved solids concen-tration of approxi-mately 7500 mg/l is disposed of in clay lined evaporation ponds. Ground water most likely to be af-fected in the event of an accidental dis-charge is at a depth ranging from 180 to 200 feet with a total dissolved solids concentration of approximately 700 mg/l. The discharge plan ad-dresses how spills, leaks, and other acci-dental discharges to the surface will be managed.

(GW-161) - Williams Production Company, LLC (formerly J. M. Huber Corporation), transport to an local dispersion of approximately 2000 of approxim

SE/4 of Section 26, Township 31 North, Range 4 West, Rio Ar-riba County, New Mexico. Approxi-mately 9 gallons per day of wastewater with a dissolved solids concentration of 1,500 mg/l is collected in a 400 barrel closed fiberglass tank prior to transport off-site to an OCD approved disposal facility. Ground water most likely to be affected in the event of an accidental discharge at the surface is at a depth greater than 20 feet with a total dissolved solids concentration ranging from 2000 mg/l to 10000 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the sur-face will be managed.

(GW-008) - El Paso Natural Gas, Robert H. St. John, 3300 North "A" Building Two, Suite 20, Midland, TX 70705 Description 79705, has submitted a discharge permit renewal application for the Monument Comthe Monument Compressor Station, located in the NW/4 of Section 1, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico. Approximately 9,600 gallons per day of processed wastewater with total dissolved solids concentration of 3,500 mg/L is stored in steel tanks prior to transport for disposal in an port for disposal in an OCD-approved Class II injection well. Groundwater most likely to be affected in the event of an acci-dental discharge at the surface is at a depth of approxi-mately 35 feet with a total dissolved solids concentration of approximately 500 mg/L. The discharge plan addresses how spills, leaks, and other acci-dental discharges to the surface will be managed.

(GW-144) - Duke Energy Field Services, LP, Mr. Greg Kardos, (505) 628-0282, 3300 N. A Street, Building 7, Midland, Texas 79705, has submitted a discharge renewal application for the West (a.k.a. Westall) Com-(a.k.a. Westall) Com-pressor Station lo-cated in the SW/4 NW/4 of Section 35, Township 22 South, Range 28 East, NMPM, Eddy County, New Mexico. Duke Energy Field Services, LP cer-tifies that no liquid or solid wastes genertifies that no liquid or solid wastes gener-ated on site are dis-charged so that they may move directly or indirectly into fresh waters. Any liquid wastes are collected and stored in containers prior to transport offsite to an OCD approved disposal facility. Ground water most likely to be affected in the event of of approximately tration of approxi-mately 7.843 mg/l. The discharge permit addresses how spills, leaks, and other accidental discharges the surface will be managed.

(GW-048) - Davis Gas Processing Company, Donald K. Judd, Agent, (432) 682-6311, 211 North Colorado Street, Midland, Texas 79701-4696, has sub-mitted a discharge renewal application for the Denton Gas Plant located in the SE/4 of Section 2, Township 15 South, Range 37 East, NMPM, Lea County, New Mexico. Approximately 750 gallons per day of process waste water with a total dissolved 999 Goddard Avenue, solids concentration Ignacio, Colorado of approximately 2000

tract injection Class II well. Ground water most likely to be af-fected in the event of an accidental discharge is at a depth of approximately 40 feet with a total dissolved solids concentration ranging from 610 to 1600 mg/l. The discharge plan ad-dresses how spills, leaks, and other acci-dental discharges to the surface will be managed.

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

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

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 30th day of September 2004.

> STATE OF **NEW MEXICO** OIL CONSERVATION

SEAL

JOANNA PRUKOP, Acting Director Legal #75034 Pub. October 6, 2004



JUN 2 3 2004

OIL CONSERVATION DIVISIONS CUNSULTING - REGISTERED ENGINEER 211 NORTH COLORADO MIDLAND, TEXAS 79701-4696

OFF: 432-682-6311 FAX: 432-682-4024

June 18, 2004

Mr. Jack Ford
Energy Minerals & Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: J.L. Denton Plant

Water Discharge Plan Renewal

Dear Mr. Ford:

Attached is the completed and signed renewal form for the referenced. Nothing has changed since the discharge plan was implemented, except the plant supervisor (local contact). This should be changed to O.R. Barr, Jr., his home # is 505-393-2345, all other plant data is correct.

Please note the area code of the Midland office is now 432.

Attached is the filing fee, Denton Plant check # 0030594 dated 06/17/04 in the amount of \$100.00.

Very truly yours,

Don K. Judd

Agent

DKJ: tmc

Cc: J.L. Davis
Michael Davis

Denton Plant O.R. Barr, Jr. <u>District I</u>
1625 N. French Dr., Hobbs, NM 88240
<u>District II</u>
1301 W. Grand Avenue, Artesia, NM 88210
<u>District III</u>
1000 Rio Brazos Road, Aztec, NM 87410
<u>District IV</u>
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to Appropriate
District Office

Revised June 10, 2003

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

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

		New x Renewal	☐ Modification	1		
1.	. Type: Gas Prod	cessing Plant	***************************************			
2.	. Operator: Davis G	as Processing, Inc.				
	Address: 211 N. (Colorado		"		
	Contact Person: Don Jude		Phone:	432-682-6311		
3.	. Location: NW /4 Subm	W /4 Section 2 nit large scale topographic ma			37 E	
4.	. Attach the name, telephone number	er and address of the landown	er of the facility site	e. See Cover 1	etter	
5.	. Attach the description of the facili	ty with a diagram indicating	location of fences, p	oits, dikes and tanks o	n the facility. Cha	
6.	. Attach a description of all material	ls stored or used at the facility	y. No Change		Cita	g
7.	. Attach a description of present sou must be included. No Change	urces of effluent and waste so	lids. Average quali	ty and daily volume o	of waste water	
8.	. Attach a description of current liqu	uid and solid waste collection	/treatment/disposal	procedures. No Ch	ange	
9.	. Attach a description of proposed n	nodifications to existing colle	ection/treatment/disp	posal systems. No	Change	
10	0. Attach a routine inspection and m	naintenance plan to ensure per	mit compliance.	No Change		
11	1. Attach a contingency plan for rep	orting and clean-up of spills	or releases. No	Change		
12	2. Attach geological/hydrological in	formation for the facility. De	epth to and quality of	of ground water must	be included. Char	
13	 Attach a facility closure plan, and rules, regulations and/or orders. 		ssary to demonstrate	e compliance with any		9
	14. CERTIFICATIONI hereby certibest of my knowledge and belief.		itted with this applic	cation is true and corr	ect to the	
]	Name: J.I. Day	zis	Title:	President		
;	Signature:		Date:	6/18/04		
]	E-mail Address:	1 1				

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

· ·	
I hereby acknowledge recei	ipt of check No dated 6/17/04,
or cash received on	in the amount of \$ 100-
from J.L. Davis	
for Denton Gas Plan	t GW-048
Submitted by:	1 Date: 6/24/04
Submitted to ASD by:	Date:
Received in ASD by:	Date:
	Facility Renewal
Modification ot	ther
To be deposited in the Wat	
THIS CHECK IS VOID WITHOUT A BLUE & RED BACKGROUND AND J.E. DAVIS DENTON PLANT 21 NORTH COLORADO MIDLAND, TEXAS 79701-4696. (432) 682-6311	AN ARTIFICIAL WATERMARK ON THE BACK - HOLD AT AN ANGLE TO VIEW WEST TEXAS NATIONAL BANK MIDLAND TEXAS
	6/17/04
PAY *********************************	\$100,00
10 NMED-WATER QUALITY MANAGMENT THE NEW MEXICO MINERALS & NATURAL ORDER RESOURSES OF OIL CONSERVATION DIVISION 1220 SOUTH ST FRANCIS DRIVE SANTA FE, NM 87505	J.E. DAVIS PENTOS PLANT
	BÓRDER CONTAINS MICHORRINTING

J.L. DAVIS **DENTON PLANT**

• 211 NORTH COLORADO MIDLAND, TEXAS 79701-4696 (432) 682-6311

DESCRIPTION

INV DATE 6/17/04

INVOICE REF. # FILING FEE

AMOUNT 100.00

0030594



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

March 15, 1999

Mark Fesmire, P.E.

Director

Oil Conservation Division

Mr. Donald K. Judd Davis Gas Processing 211 North Colorado Midland, Texas 79701

RE: Discharge Plan GW-048 Renewal

Denton Gas Plant Lea County, New Mexico

Dear Mr. Judd:

On March 15, 1999, the groundwater discharge plan renewal, GW-048, for the Davis Gas Processing Denton Gas Plant located in the SW/4 of Section 2, Township 15 South, Range 37 East, NMPM, Lea County, New Mexico, was approved by the Director of the New Mexico Oil Conservation Division (OCD). This discharge plan renewal was required and submitted pursuant to Water Quality Control Commission (WQCC) regulations and was approved for a period of five years. The approval will expire on September 12, 2004.

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

The discharge plan renewal application for the **Denton Gas Plant** is subject to WQCC Regulation 3114. Every billable facility submitting a discharge plan renewal will be assessed a filing fee of \$100.00 plus a flat fee equal to \$4,000.00 for gas processing plants. The \$100.00 filing fee is to be submitted with the discharge plan renewal application and is nonrefundable.

Mr. Donald K. Judd GW-048 Denton Gas Plant June 2, 2004 Page 2

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

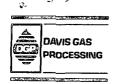
If the Denton Gas Plant no longer has any actual or potential discharges and a discharge plan is not needed, please notify this office. If the Davis Gas Processing Company has any questions, please do not hesitate to contact me at (505) 476-3489.

Sincerely,

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

Oil Conservation Division

cc: OCD Hobbs District Office



DAVIS GAS PROCESSING, INC.

211 North Colorado MIDLAND, TEXAS 79701-4696

OFF: (915) 682-6311 FAX: (915) 682-4024

September 27, 1999

Mr. Roger C. Anderson Chief, Environmental Bureau New Mexico Energy, Minerals And Natural Resources Department 2040 South Pacheco Street Santa Fe, New Mexico 87505

Re: Discharge Plan Renewal GW-408
Davis Gas Processing, Inc.
Denton Gas Plant
Lea County, New Mexico

Dear Mr. Anderson:

Enclosed you will find one signed copy of the conditional approval form plus the J.L. Davis, (Denton Plant Account) check number 020681 dated September 28, 1999, for \$1,717.50. The check sum is the \$50.00 filing fee, inadvertently omitted from the application, plus the flat fee of \$1,667.50.

Very truly yours,

Don K. Judd

Agent

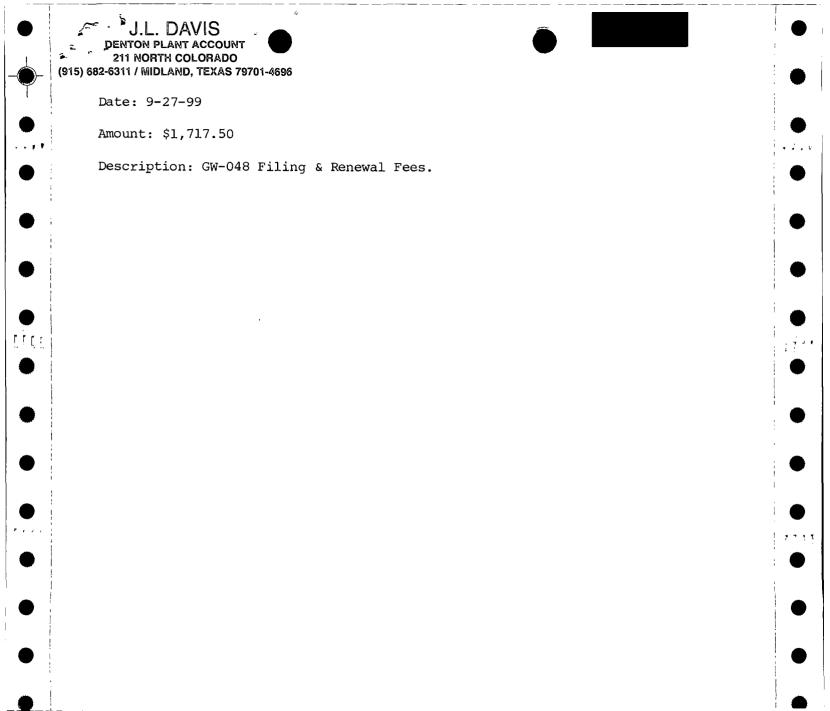
cc: J.L. Davis

Michael K. Davis

David Pepper

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

C			dated 9-27-
	or cash received on	in the amount	of \$ 1,717,5
1	from J. L. Davis		
Í	- 11.1 2		GW-048
S	Submitted by:	Tack . Date	10 -1-99
S	Submitted to ASD by:	Date	
R	ecaived in ASD by:	Date	:
	Filing Fee New Fa	acility Renewal	V
	Modification Other	•	
	Organization Code <u>521.07</u>		
	Full Payment V or	•	una.
21 ⁻	J.L. DAVIS ITON PLANT ACCOUNT 1 NORTH COLORADO 1 / MIDLAND, TEXAS 79701-4696	•	BANK-MIDLAND, N.A. , TEXAS
21 [;] (915) 682-631	J.L. DAVIS ITON PLANT ACCOUNT 1 NORTH COLORADO	Annual Increment 9-27-99 TEXAS COMMERCE E MIDLAND 32-115	BANK-MIDLAND, N.A. , TEXAS /1110



Affidavit of Publication

STATE OF NEW MEXICO)
) 55
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that he is Adv. Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as here-inafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled Notice of Publication GW-048 & GW-311 and x numbareck CountyxxXiexxxMexica was published in a regular and entire issue of THE LOVINGTON DAILY LEADER and not in any supplement thereof, onnecessiax weeks concerne consexutives remains beginning with the issue of _____ 19 99 June 3 and ending with the issue of June 3 And that the cost of publishing said notice is the aum vi 3...73.92

Subscribed and sworn to before me this

day of June 3 19 99

My Commission Expires

Notary Public, Lea County, New Mexico

June 22 TOX 2002

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

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

(GW-048) - Davis Gas Processing Company, Donald K. Judd, Agent, (915) 682-6311, 211 North Colorado Street, Midland, Texas 79701 -4696, has submitted a discharge renewal application for the Denton Gas Plant located in the SE/4 of Section 2, Township 15 South, Range 37 East, NMPM, Lea County, New Mexico. Approximately 750 gallons per day of process waste water with a total dissolved solids concentration of approximately 2000 mg/l will be collected and stored on site in closed storage tanks prior to disposal In an OCD approved contract injection Class II well. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 40 feet with a total dissolved solids concentration ranging from 610 to 1600 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

(GW-311) - LG&E Natural Gathering and Processing, John R. Delaney, (505) 393-2153, 921 West Sanger Street, Hobbs, New Mexico 88240, has submitted a discharge application for the Cotton Draw Compressor Station located in the NE/4 NW/4 and the NW/4 NE/4 of Section 18, Township 25 South, Range 32 East, NMPM, Lea County, New Mexico. Approximately 30 barrels per day of waste water with a total

Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 400 feet with a total dissolved solids concentration ranging from 1000 to 1700 mg/l. The discharge plan addresses how spills, leaks, and other accidental discharges to the surface will be managed.

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

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

GIVEN under the Seal of New Mexico Oil C on servalion Commission at Santa Fe, New Mexico, on this 26th day of May, 1999.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION LORI WROTENBERY, Director

SEAL. Published in the Lovington Daily Leader June 3, 1999.

The Santa Fe New Mexican

Since 849. We Read You.

NM OCD

ATTN: LUPE SHERMAN 2040 S. PACHECO ST. SANTA FE, NM 87505

AD NUMBER: 87864

ACCOUNT: 56689

LEGAL NO: 65487 P.O.#: 99199000357 227 LINES

1 time(s) at \$ 99.95

AFFIDAVITS:

5.25

TAX: 6.57

STATE OF NEW MEXICO

TOTAL: 111.77

AFFIDAVIT OF PUBLICATION

COUNTY OF SANTA FE I, B flues being first duly sworn declare and say that I am Legal Advertising Representative of THE SANTE FE NEW MEXICAN, a daily newspaper published in the English language, and having a general circulation in the Counties of Santa Fe and Los Alamos, State of New Mexico and being a Newspaper duly qualified to publish legal notices and advertisements under the provisions of Chapter 167 on Session Laws of 1937; that the publication a copy of which is hereto attached was published in said newspaper 1 day(s) between 06/01/1999 and 06/01/1999 and that the notice was published in the newspaper proper and not in any supplement; the first publication being on the 1 day of June, 1999

LEGAL ADVERTISEMENT REPRESENTATIVE

matter and things set forth in this affidavit.

and that the undersigned has personal knowledge of the

Subscribed and sworn to before me on this 28 day of May A.D., 1999

Commission Expires

NOTICE OF PUBLICATION

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

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

(GW-048) - Davis Gas Processing Company, Donald K. Judd, Agent, (915) 682-6311, 211 North Colorado Street, Midland, Texas 79701-4696, has submiffed a discharge renewal application for the Denton Gas Plant located in the SE/4 of Section 2, Township 15 South, Range 37 East, NMPAA, Lea County, New Mexico. Approximately 750 gallons per day of process waste water with a total dissolve solles concentration of approximately 2000 mg/i will be collected and stored on site in closed storage tanks prior to disposal in an OCD approved contract injection Class II well. Ground wat: most likely to be affected in the event of an accidental discharge is at a depth of approximately 40 feet with a total dissolved solids concentration ranging from 610 to 1600 mg/l. The discharge plan addresses how splils, leaks, and other accidental cliecherges to the surface will he managed.

(GW-311) - LG&E Natural Gathering and Processing, John R. Delaney, (505) 393-2153, 921 West Sanger Street, Hobbs, New Mexico 88240, has submitted a discharge application for the Cutton Draw Compressor Station located in the NE/4 NW/4 and the NW/4 NE/4 of Section 18, Township 25 South, Range 32 East, NMPM, Lea County, New Maxico. Approximately 30 bar, els per day of waste water with a total dissolved solids concentration of approximately 10,000 angl. will de collected in an above ground clased storage tank prior to removal and disposed of in an OCD approved facility. Ground water most likely to be affected in the event of an accidenta! discharge is at a depth of approximately 400 feet with a total dissolved solids concentration ranging from 1000 to 1700 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 wriften comments to the Director of the Oil Conservation Division at the address given above. The discharge plan application(s) may viewed at the above address between 9:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed discharge plan application(s), the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted and a public hearing may be requested by any interested person. Requests for a public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 26th day of May 1999.

STATE OF NEW MEXICO
O'LL CONSERVATION
DIVISION
LORI WROTENBERY,
Director

Legal #65487 Pub. June 1, 1999

NOTICE OF PUBLICATION

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 26th day of May 1999.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

LORI WROTENBERY, Director

SEAL

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NOTICE OF PUBLICATION

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 26th day of May 1999.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

LORI WROTENBERY, Director

J. L. DAVIS

GAS CONSULTING - REGISTERED ENGINEER 211 NORTH COLORADO MIDLAND, TEXAS 79701-4696

OFF: 915-682-6311 Fax: 915-682-4024

May 20, 1999

Mr. Jack Ford
Energy Minerals & Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, NM 87505

Re: J.L. Denton Plant Water Discharge Plan Renewal

Dear Mr. Ford:

Attached is the completed and signed renewal form for the referenced. Nothing has changed since the discharge plan was implemented.

If additional information is needed, please contact me per the letterhead information.

Very truly yours,

Don K. Fudd

DKJ:tmc

cc: J.L. Davis

Michael K. Davis

David Pepper, Denton Plant

P. O. Box 1980 Hobbs, NM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 District III - (505) 334-6178

District IV - (505) 827-7131

1000 Rio Brazos Road

Aztec, NM 87410

Energy Minerals and Natural Resources Department Oil Conservation Division 2040 South Pacheco Street

Santa Fe, New Mexico 87505 (505) 827-7131

TACAA TATCATOO

Submit Orig Plus I Co to Sant l Copy to appropr District O.

Revised 12/1

RECEIVED HAR 2 6 1239

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 X Renewal Modification
1.	Type: Gas Plant
2.	Operator:Davis Gas Processing
	Address: 211 North Colorado
	Contact Person: Don K. Judd Phone: 915-682-6311
3.	Location: NW /4 SW /4 Section 2 Township 15S Range 37E Submit large scale topographic map showing exact location.
4.	Attach the name, telephone number and address of the landowner of the facility site. No Change
5.	Attach the description of the facility with a diagram indicating location of fences, pits, dikes and tanks on the facility. No Change
6 .	Attach a description of all materials stored or used at the facility. No Change
7.	Attach a description of present sources of effluent and waste solids. Average quality and daily volume of waste water must be included. No Change
8.	Attach a description of current liquid and solid waste collection/treatment/disposal procedures. No Change
9.	Attach a description of proposed modifications to existing collection/treatment/disposal systems. No Change
10.	Attach a routine inspection and maintenance plan to ensure permit compliance. No Change
11.	Attach a contingency plan for reporting and clean-up of spills or releases. No Change
12.	Attach geological/hydrological information for the facility. Depth to and quality of ground water must be included. No Change
13.	Attach a facility closure plan, and other information as is necessary to demonstrate compliance with any other OCD rules, regulations and/or orders. No Change
14.	CERTIFICATION
	I herby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	NAME: J.L. Davis Title: Owner
	Signature: Date: 5-20-99

March 15, 1999

CERTIFIED MAIL RETURN RECEIPT NO. Z-357-870-073

Mr. Donald K. Judd Davis Gas Processing 211 North Colorado Midland, Texas 79701

RE: Discharge Plan GW-048 Renewal

Denton Gas Plant

Lea County, New Mexico

Dear Mr. Judd:

On September 12, 1994, the groundwater discharge plan renewal, GW-048, for the Davis Gas Processing Denton Gas Plant located in the SW/4 of Section 2, Township 15 South, Range 37 East, NMPM, Lea County, New Mexico, was approved by the Director of the New Mexico Oil Conservation Division (OCD). This discharge plan renewal was required and submitted pursuant to Water Quality Control Commission (WQCC) regulations and was approved for a period of five years. The approval will expire on September 12, 1999.

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

The discharge plan renewal application for the **Denton Gas Plant** is subject to WQCC Regulation 3114. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of \$50.00 plus a flat fee equal to one-half of the original flat fee for gas plants. The \$50.00 filing fee is to be submitted with the discharge plan renewal application and is nonrefundable.

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Mr. Donald K. Judd GW-048 Denton Gas Plant March 15, 1999 Page 2

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

If the Denton Gas Plant no longer has any actual or potential discharges and a discharge plan is not needed, please notify this office. If the Davis Gas Processing Company has any questions, please do not hesitate to contact me at (505) 827-7156.

Sincerely,

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

Oil Conservation Division

enclosed: Discharge Plan Application form

cc: OCD Hobbs District Office

Z 357 870 073

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
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GW-048

ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

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from	J.L.	DAVIS	
for	GW-48	DENTON GAST	PLANT
	(Femiliny Hema)		(DP No.)
Subr	nitted by:		<u>»</u> Date:
Subr	itted to ASD by:	CHRIS EUSTIN	ce Date: 2-23-95
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ACKNOWLEDGEMENT OF RECEIPT OF CHECK/CASH

	I hereby acknowledge receipt of	check No.	dated 2-15	-95
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	for GW-48 DENTON	GASPLANT		
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NOTICE OF PUBLICATION STATE OF NEW MEXICO ENERGY, MATERALS AND NATURAL RESOURCES ONE ATTEMENT OIL CONSERVATION DIVISION

OH. CONSERVATION DIVISION Notice is hereby often that pursuant to the New Medico Water Citality 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 37605, Telephone (505) 827-7131:

131:

(GW-048) - J.L. Davis, Donaid K. Judd-Agent, 211 North Colorado, Midiand, Taxas 79701-4896, has submitted a application for renewal of its previously approved discharge plan for its Dento Gas Plant in the SE/4 of Section 2, Township 15 South, Range 37 East, NMPM, Lea County, New-Mexico. Approximately 750 gallons per da of process waste water will be collected and stored on alto in storage tanks prior to disposal in an OCD approved controt injection well. The wastewater has a total dissolved solids concentration of approximately 2000 mg/i. Ground water mot likely to be affected in the event of an accidental discharge is at a depth of approximately 40 feet with a total dissolved solids concentration from 610 to 1600 mg/i. The discharge plan addresse how spills, leaks, and other accidental discharges to the surface will be managed.

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OIL CONSERVATION DIVISION SWIIIIam J. Lemay, Director Journal: January 13, 1995

STATE OF NEW MEXICO



County of Bernalillo

SS

OPPICTAL STATE APPLICATION OF THE PROPERTY PUBLIC STATE OF THE WIND STATE OF THE PROPERTY MEDICO (Expires: 5/20/78)

Sworn and subscribed to before me, a notary Publican and for the County of Bernalillo and State & New Mexico, this / 3 day of, soan 1995

PRICE

Statement to come at end of month.

CLA-22-A (R-1/93) ACCOUNT NUMBER <u>C 809.3</u> 2

State of New Mexico RALS and NATURAL RESOURCES DE RTMENT ENERGY. M Santa Fe, New Mexico 87505





February 1, 1995

CERTIFIED MAIL RETURN RECEIPT NO. Z-765-962-816

Mr. Donald K. Judd **Davis Gas Processing** 211 North Colorado Midland, Texas 79701

RE: Discharge Plan GW-48 Renewal

Denton Gas Plant

Lea County, New Mexico

Dear Mr. Judd:

The discharge plan renewal GW-48 for the Davis Gas Processing Denton Gas Plant located in the SW/4 of Section 2, Township 15 South, Range 37 East, NMPM, Lea County, New Mexico, is hereby approved under the conditions contained in the enclosed attachment. The discharge plan consists of the renewal application dated February 4, 1994.

The discharge plan renewal was submitted pursuant to Section 3-106 of the New Mexico Water Quality Control Commission (WQCC) Regulations. It is renewed pursuant to Section 3-109.A. Please note Sections 3-109.E and 3-109.F, which provide for possible future amendments or modifications of the plan. Please be advised the approval of this plan does not relieve you of liability should your operation result in actual pollution of surface water, ground water, or the environment which may be actionable under other laws and/or regulations.

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

VILLAGRA BUILDING - 408 Galisteo

Forestry and Resources Conservation Division P.O. Box 1948 87504-1948

Park and Recreation Division P.O. Box 1147 87504-1147 827-7465

2040 South Pacheco

Office of the Secretary 827-5950

Administrative Services 827-5925

Energy Conservation & Management 827-5900

> Mining and Minerals 827-5970

Oil Conservation

827-7131

Mr.Donald K. Judd February 1, 1995 Page 2

Please note that Section 3-104 of the regulations require "When a facility has been approved, discharges must be consistent with the terms and conditions of the plan". Pursuant to Section 3-107.C. you are 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 3-109.G.4., this plan is for a period of five (5) years. This approval will expire on September 12, 1999, and you should submit an application in ample time before this date. It should be noted that all gas processing plants and oil refineries will be required to submit plans for, or the results of, an underground drainage testing program as a requirement for discharge plan renewal.

The discharge plan application for the Davis Gas Processing Denton Gas Plant is subject to WQCC Regulation 3-114 discharge plan fee. Every billable facility submitting a discharge plan renewal will be assessed a fee equal to the filing fee of fifty (50) dollars plus one-half of the flat fee, or sixteen-hundred sixty-seven dollars and fifty cents (\$1667.50), for gas plants. The New Mexico Oil Conservation Division (OCD) has not received your filing fee or flat fee. The fifty (50) dollar filing fee is due upon receipt of this approval. The flat fee for an approved discharge plan may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the plan, with the first payment due upon receipt of this approval.

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

Sincerely,

William J. LeMax

Director

WJL/mwa Attachment

xc: OCD Hobbs Office

ATTACHMENT TO THE DISCHARGE PLAN GW-48 APPROVAL DAVIS GAS PROCESSING DENTON GAS PLANT DISCHARGE PLAN REQUIREMENTS (February 1, 1995)

- 1. <u>Payment of Discharge Plan Fees:</u> The flat fee of sixteen-hundred sixty-seven dollars and fifty cents (\$1667.50) may be paid in a single payment due at the time of approval, or in equal annual installments over the duration of the plan, with the first payment due upon receipt of this approval.
- 2. <u>Drum Storage:</u> All drums will be stored on pad and curb type containment.
- 3. <u>Sump Inspection:</u> All pre-existing single-lined sumps at this facility will be cleaned and visually inspected on an annual basis. The inspection will coincide with the annual scheduled plant shutdown.
 - Any new or rebuilt sumps or below-grade tanks will incorporate leak detection in their designs and will be approved by the OCD prior to installation.
- 3. <u>Berms:</u> All tanks that contain materials other than freshwater will be bermed to contain one and one-third (1-1/3) the capacity of the largest tank within the berm or one and one-third (1-1/3) the total capacity of all interconnected tanks.
- 4. <u>Above Grade Tanks:</u> All above ground tanks (saddle tanks) will be on impermeable pad and curb type containment.
- 5. <u>Pressure Testing:</u> All discharge plan facilities are required to pressure test all underground piping at the time of discharge plan renewal. All new underground piping shall be designed and installed to allow for isolation and pressure testing at 3 psi above normal operating pressure.
- 6. Spills: All spills and/or leaks will be reported to the OCD Santa Fe and Hobbs District Offices pursuant to WQCC Rule 1-203 and OCD Rule 116.
- 7. Pads: All Compressor pads will have lips or curb type containment installed to prevent contaminants from running onto the ground surface.
 - All containment areas must remain free of any sediments and/of fluids. Routine inspections will be made of all such areas and any sediments and/or fluids found will **b** removed and disposed of at an approved facility. Submit a plan to the OCD Santa Fe Office with a timetable for inspections by March 31, 1995.

a, 26, 11 , 15.

8. <u>Flare Pit:</u> Submit a closure plan to the OCD Santa Fe Office for the closure of the flare pit located to the east of the facility by March 31, 1995.

٠,, ٠

Z 765 962 816

Receipt for Centified Mail
No have rance Coverage Provided
Do not use for International Mail
(See Reverse)

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

RECEIVED
USPWS-AFO
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JAN 6

NOTICE OF PUBLICATION

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

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

(GW-048) - J.L. Davis, Donald K. Judd-Agent, 211 North Colorado, Midland, Texas 79701-4696, has submitted an application for renewal of its previously approved discharge plan for its Denton Gas Plant in the SE/4 of Section 2, Township 15 South, Range 37 East, NMPM, Lea County, New Mexico. Approximately 750 gallons per day of process waste water will be collected and stored on site in storage tanks prior to disposal in an OCD approved contract injection well. The wastewater has a total dissolved solids concentration of approximately 2000 mg/l. Ground water most likely to be affected in the event of an accidental discharge is at a depth of approximately 40 feet with a total dissolved solids concentration from 610 to 1600 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 5:00 p.m., Monday thru Friday. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Request for public hearing shall set forth the reasons why a hearing shall be held. A hearing will be held if the director determines that there is significant public interest.

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

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 29th day of December, 1994.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

SEAL

WILLIAM J. LEMAY, Director

NO EFFECT FINDING

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

Dale January 27, 1995

Consultation # $\frac{2-22-95-1-142}{}$

Approved by R. Mark Wilson

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

Affidavit of Publication

STATE OF NEW MEXICO)
) ss
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that he is Adv. Director of THE LOVINGTON DAILY LEADER, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled
Notice Of Publication

Control of the contro
CONTROL NEW MEXICO, was published in a regular and
entire issue of THE LOVINGTON DAILY LEADER and
not in any supplement thereof, sheethaween was not in any supplement thereof,
цаннахики какимичек, for one (1) day
EXTRECTIVE WEEK'S, beginning with the issue of
January 10 95
and ending with the issue of
January 10 95 19
And that the cost of publishing said notice is the
sum of \$
which sum has been (Paid) (Assessed) as Court Costs
Subscribed and sworn to before me this
day of January 19 95
Jean Jewer
Notary Public, Lea County, New Mexico
My Commission Expires Sept. 28 , 19 98

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

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RECEIVED

JAN 2 4 1995

OIL CONSERVATION D.V. SANTA FE

> determines that there is significant public interest.

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

GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 29th day of December, 1994.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION WILLIAM J. LEMAY, Director SEAL Published in the Lovington Daily Leader January 10, 1995.



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING GOVERNOR

ANITA LOCKWOOD CABINET SECRETARY

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

January 5, 1995

ALBUQUERQUE JOURNAL	RE: NOTICE OF PUBLICATION		
717 Silver Southwest			
Albuquerque, New Mexico 87102			
ATTN: ADVERTISING MANAGER			
MARINE THE PERSONAL STREET			

Dear Sir/Madam:

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

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

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

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

Please publish the notice no later than <u>January 13, 1995</u> 1994

July Marting
Sally E. Martinez
Administrative Secretary

Attachment

Sincerely,

PS Form 380	00,	Marc	h 199	93									ر ر
Postmark or Date	TOTAL Postage	Return Receipt Showing to Whom, Date, and Addressee's Address	Return Receipt Showing to Whom & Date Delivered	Restricted Delivery Fee	Special Delivery Fee	Certified Fee	Postage §	P.O., State and ZIP Code	Street and No J	Sent to Cleba. Townsel	or Internati	Receipt for Cortified Mail	° 2 765 962 306

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING GOVERNOR

ANITA LOCKWOOD CABINET SECRETARY

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

January 6, 1995

LOVINGTON DAILY LEADER P. O. Box 1717 Lovington, New Mexico 88260		RE: NOTICE OF	F PUBLICATION
ATTN: ADVERTISING MAN	AGER		
Dear Sir/Madam:			
Please publish the attached no proofread carefully, as any errothe entire notice.		-	-
Immediately upon completion of	f publication, plea	se send the followin	ng to this office:
2. St.	ublisher's affidavi atement of cost (a ERTIFIED invoice	•	nent.
We should have these immediavailable for the hearing which receiving payment.	• • •		_
Please publish the notice no las	er than Januar	v 13. 1995, xx	24.
Sincerely,	PS Form 3800, Mar	ch 1993	۸ <u>.</u>
Sally Marting Sally E. Martinez Administrative Secretary Attachment	Date, and Addressee's Address TOTAL Postage & Fees Postmark or Date	Postage \$ Certified Fee Special Delivery Fee Restricted Delivery Fee Restricted Delivery Fee Rowing to Whom & Date Delivered	Receipt for Cartified Mail No Insurance Coverage Provided Mail No Insurance Coverage Provided See Reverse) Sent Covingion Delly Leager Street Language Will 88280 Po State and 1988 Will 88280

NOTICE OF PUBLICATION

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GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 29th day of December, 1994.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

SEAL

WILLIAM J. LEMAY, Director

NOTICE OF PUBLICATION

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

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GIVEN under the Seal of New Mexico Conservation Commission at Santa Fe, New Mexico, on this 29th day of December, 1994.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

WILLIAM J. LEMAY, Director

SEAL

J. L. DAVIS

OIL CONSERVE FOR DIVISION

GAS CONSULTING - REGISTERED ENGINEER 211 NORTH COLORADO MIDLAND, TEXAS 79701-4696

REC: /ED OFF: 915-682-6311

94 FE 1: AN Fax: 315-682-4024

February 4, 1994

Mr. Roger C. Anderson
State of New Mexico
Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87504

RE: Discharge Plan GW-48 Renewal Denton Gas Plant, Lea County, NM

Dear Mr. Anderson:

With respect to the referenced plan, the Denton Plant personnel advise me that all flows and facilities are unchanged from the 1989 plan.

I understand from your Mr. Bobby Meyers that the above statement eliminates the need to fill out the application form sent with your renewal notice.

If my understanding of the above is in error, please notify me as soon as possible as to what action you require. We wish to proceed with renewal of this plan on a timely basis.

Thank you very much.

Don K/ Judd

DKJ/rs

cc: J. L. Davis

O. R. Barr, Jr.



OIL CONSERVATION DIVISION



BRUCE KING GOVERNOR ANITA LOCKWOOD CABINET SECRETARY POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE. NEW MEXICO 87504 (505) 827-5800

November 8, 1993

CERTIFIED MAIL
RETURN RECEIPT NO. P-176-012-041

Mr. Donald K. Judd Davis Gas Processing 211 North Colorado Midland, TX 79701

RE: Discharge Plan GW-48 Renewal Denton Gas Plant Lea County, New Mexico

Dear Mr. Judd,

On September 12, 1989, the groundwater discharge plan, GW-48 for the Denton Gas Plant located in the SW/4 of Section 2, Township 15 South, Range 37 East, NMPM, Lea County, New Mexico, was approved by the Director of the Oil Conservation Division (OCD). This discharge plan was required and submitted pursuant to Water Quality Control Commission (WQCC) regulations and was approved for a period of five years. The approval will expire on September 12, 1994.

If your facility continues to have potential or actual effluent or leachate discharges and you wish to continue operation, you must renew your discharge plan. The OCD is reviewing discharge plan submittals and renewals carefully and the review time can extend for several months. Please indicate whether you have made, or intend to make, any changes in you system, and if so, please include these modifications in your application for renewal.

Note that the completed and signed application form must be submitted with your discharge plant renewal request.

If you no longer have any actual or potential discharges please

Mr. Donald Judd November 8, 1993 Page 2

identify this office. If you have any questions, please do not hesitate to contact Bobby Myers at (505)827-4080.

Sincerely,

Roger C. Anderson

Environmental Bureau Chief

RCA/rlm

xc: OCD Hobbs Office



WEST TEXAS GAS, INC.

211 NORTH COLORADO MIDLAND, TEXAS 79701 - 4696

AREA CODE (915) 682-4349

FAX (915) 682-4024

DISTRICT OFFICES:

- * Fort Stockton September 5, 1989
- * Pecos
- * Monahans
- * Kermit
- ★ Midland
- **★** Andrews Mr. Roger C. Anderson
- ★ Seminole
- State of New Mexico **★ Denver City**
- Energy, Minerals & Natural Resources Dept. * Plains
- * Morton
- Oil Conservation Division P. O. Box 2088
- ★ Olton
- Santa Fe. New Mexico **→ Dimmitt**
- → Halfway
- * Plainview
- ★ Dalhart
- * Spearman
- **★ Clarendon**
- * Shamrock

Dear Mr. Anderson:

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SEP - 8 1989

OIL CONSERVATION DIV. SANTA FE

The following plans and timetables are submitted in response to your letter of June 12, 1989, copy attached:

I. Washwater Runoff

1. Amine Pump Skid

Lea County, New Mexico

- Containment method:
 - Gutter system around skid
 - Deck holes sealed.

87504

Discharge Plan GW-48, Denton Gas Plant

- iii. Gutter drain to existing concrete skimmer pit. This segment of drain is part of master drain hereinafter referred to in subsections 2-5.
- Timetable: Complete by November 1, 1989.

Amine Regeneration Skid

- Containment method: a.
 - Gutter system around skid.
 - Deck holes sealed.
 - iii. Gutter drain connected to master drain system.
- Timetable: Complete by December 1, 1989.

Process Skid

- Containment Method:
 - Concrete berm around skid base pad.
 - ii. Skid drain connected to master drain system.
- b. Timetable: Complete by April 1, 1990.

Mr. Roger Anderson State of New Mexico September 5, 1989 Page Two

4. Process Skid Refrigeration Wing

- a. Containment method:
 - i. Pour concrete slab under skid.
 - ii. Concrete berm around slab.
 - iii. Skid drain connected to master drain system.
- b. Timetable: Complete by May 15, 1990.

5. Process Skid Refrigeration Unit

- a. Containment Method:
 - i. Pour concrete slab under skid.
 - ii. Concrete berm around slab.
 - iii. Skid drain connected to master drain system.
- b. Timetable: Complete by May 15, 1989.

II. Leak Test - Gravity Drains

It is proposed to pressure test the gravity drains via a pressure test. If the pressure test indicates the lines are intact, future pressure tests will be conducted prior to the renewal date. If the pressure test fails, the affected segment(s) will be replaced with new plastic pipe.

Timetable: Test by November 1, 1989. If replacement, in part or in whole, is required, by March 1, 1990.

We understand that the above will fulfill the outstanding requirements toward issuance of the discharge plan.

If additional information or action is required, please advise as soon as possible. In such event, we trust you will also grant an adequate extension beyond October 6, 1989 to permit our response.

Thank you very much.

DKJ/rs/8-28.3

Attachment

cc: J. L. Davis
 Gordon Cornelius
 O.R. Barr, Jr.
 Jim Ross - Tipperary Corp.

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO B7504 (505) B27-5800

August 2, 1989

Mr. Donald K. Judd DAVIS GAS PROCESSING 211 North Colorado Midland, Texas 79701

RE: Discharge Plan GW-48

Denton Gas Plant

Lea County, New Mexico

Dear Mr. Judd:

Enclosed are copies of the results of the chemical analyses from samples taken during our last sampling trip at your facility.

If you have any questions regarding the results, please contact me at (505) 827-5884.

Sincerely,

Roger C. Anderson

Environmental Engineer

RCA/sl



ENERGY. MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

June 12, 1989

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

CERTIFIED MAIL
RETURN RECEIPT NO. P-106-675-171

Mr. Donald K. Judd DAVIS GAS PROCESSING 211 North Colorado Midland, Texas 79701

RE: Discharge Plan GW-48

Denton Gas Plant

Lea County, New Mexico

Dear Mr. Judd:

The Oil Conservation Division (OCD) has received your response, dated March 14, 1989, to the request for additional information pertaining to the above referenced discharge plan application. The following comments and requests for commitments are based on the review of the data submitted in the application and response, and OCD site visits of April 14, 1988 and March 29, 1989

- 1. In your response dated March 14, 1989, Section II.4 (Plant Processes), you state the amount of washwater is minimal. The washwater contains contaminants that, if allowed to be disposed of an the surface of the ground in an unsound manner, could migrate to and contaminate ground waters that are by statute protectable. Therefore, the OCD is requiring the containment and proper disposal of all such fluids from all processes in the facility. Submit a plan with a completion timetable for containment of these fluids.
- Section II.3 (Spill/Leak Detection) you state the only lines over 25 years old are gravity drains. Submit a proposed method with a completion timetable for testing these lines for integrity.

If you have any questions, please contact me at (505) 827-5884.

Sincerely,

Roger C. Anderson

Environmental Engineer

RCA/sl

CC: OCD Hobbs Office

UNITED STATES POSTAL SERVICE OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below. . Complete items 1, 2, 3, and 4 on the

 Attach to front of article if space permits, otherwise affix to back of article. • Endorse article "Return Receipt

Requested" adjacent to number.





OIL CONSERVATION DIV. SANTA FE



PENALTY FOR PRIVATE USE, \$300

RETURN

Print Sender's name, address, and ZIP Code in the space below.

TO

ENERGY AND MINERALS DEPARTMENT Oil Conservation Division

P.O. Box 2088 Santa Fo. New Mexico 87501

to and the date of delivery. For additional fees the follow for fees and check box(es) for additional service(s) req 1. Show to whom delivered, date, and addressee? (Extra charge)	uested.
3. Article Addressed to: Auris Las Gnoceaung 211 N. Colorado Madland, Sx 79701	4. Article Number PIGG 675 171 Type of Service: Begistered
5. Signature — Address X	or agent and DATE DELIVERED. 8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT



SCIENTIFIC LABORATORY DIVISION GRGANIC ANALYSIS REQUEST FORM

Organic Section - Phone: 841-2570

OR89-0908-C REPORT TO: DAVID BOYER S.L.D. No. OR-N.M. OIL CONSERVATION DIVISION DATE REC. P.O. Box 2088 PRIORITY Santa Fe, NM 87504-2088 PHONE(S): 827-5812 havinaten ; county: Les COLLECTION CITY: COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) 8191016121161 LOCATION CODE: (Township-Range-Section-Tracts) | 1 | 5 | (+3 | 7 | E + 0 | 2 + 4 | - | - | (10N06E24342) USER CODE: 8 2 2 3 5 SUBMITTER: David Boyer CODE: 2 6 0 SAMPLE TYPE: WATER 📈, SOIL 🔲, FOOD 🔲, OTHER:_____ This form accompanies ____ Septum Vials, ____ Glass Jugs, and/or ____ Samples were preserved as follows: ☐ NP: No Preservation; Sample stored at room temperature. P-Ice Sample stored in an ice bath (Not Frosen). P-AA Sample Preserved with Ascorbic Acid to remove chlorine residual. ∏ P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ml) ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens required. Whenever possible list specific compounds suspected or required. PURGEABLE SCREENS EXTRACTABLE SCREENS (753) Aliphatic Headspace (1-5 Carbons) (751) Aliphatic Hydrocarbons (754) Aromatic & Halogenated Purgeables (755) Base/Neutral Extractables (765) Mass Spectrometer Purgeables [758] Herbicides, Chlorophenoxy acid (759) Herbicides, Triazines (766) Trihalomethanes [(774) SDWA VOC's I (8 Regulated +) [(760) Organochlorine Pesticides (775) SDWA VOC's II (EDB & DBCP) (761) Organophosphate Pesticides Other Specific Compounds or Classes (767) Polychlorinated Biphenyls (PCB's) (764) Polynuclear Aromatic Hydrocarbons (762) SDWA Pesticides & Herbicides Remarks: pH= ; Conductivity= 750 umho/cm at 4/°C; Chlorine Residual= mg/l Dissolved Oxygen=___mg/l; Alkalinity=___mg/l; Flow Rate_____/__ Depth to water _____ft.; Depth of well_____ft.; Perforation Interval _____ft.; Casing:__ Sampling Location, Methods and Remarks (i.e. odors, etc.) I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector):

Method of Shipment to the Lab: CHAIN OF CUSTODY I certify that this sample was transferred from _______ to _____ on _____ and that the statements in this block are correct. Evidentiary Seals: Not Sealed OR Seals Intact: Yes No Signatures

For OCD use: Date owner notified: 8/3/87 Phone or Letter? Initials

ANALYSES PERFORMED

LAB. No.: OR-

THIS PAGE FOR LABORATORY RESULTS ONLY

This sample was tested using the analytical screen	ning method(s)	checked below:	
PURGEABLE SCREENS (753) Aliphatic Headspace (1-5 Carbons) (754) Aromatic & Halogenated Purgeables (765) Mass Spectrometer Purgeables (766) Trihalomethanes (774) SDWA VOC's I (8 Regulated +) (775) SDWA VOC's II (EDB & DBCP) Other Specific Compounds or Classes		EXTRACTABLE SCREENS (751) Aliphatic Hydrocarbons (755) Base/Neutral Extractables (758) Herbicides, Chlorophenoxy acid (759) Herbicides, Triazines (760) Organochlorine Pesticides (761) Organophosphate Pesticides (767) Polychlorinated Biphenyls (PCB's) (764) Polynuclear Aromatic Hydrocarbons (762) SDWA Pesticides & Herbicides	
COMPOUND(S) DETECTED	CONC.	COMPOUND(S) DETECTED	CONC.
	[PPB]		[PPB]
• DETECTION LIMIT • *		+ DETECTION LIMIT + +	
ABBREVIATIONS USED: N D = NONE DETECTED AT OR ABOVE T R = DETECTED AT A LEVEL BELOW [RESULTS IN BRACKETS] ARE UNCONF	THE STATED	D DETECTION LIMIT (NOT CONFIRMED) OR WITH APPROXIMATE QUANTITATION	
CERTIFICAT Seal(s) Not Sealed Intact: Yes No	Seal(s) broken res on handling	and analysis of this sample unless otherwise noted	
Date(s) of analysis: Analyst's sig	mature:		
I certify that I have reviewed and concur with the			block.
Reviewers signature:			

STATE OF NEW MEXICO

HEALTH AND ENVIRONMENT DEPARTMENT

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud, NE

Albuquerque, NM 87106 [505]-841-2500 ORGANIC CHEMISTRY SECTION [505]-841-2570

July 25, 1989

ANALYTICAL REPORT SLD Accession No. OR-89-0908

Distribution (Submitter (<u>₩</u>) SLD Files

NM Oil Consv. Div.

State Land Office Bldg.

P. O. Box 2088

Santa Fe, NM

87504-2088

From:

Organic Chemistry Section

Scientific Laboratory Div.

700 Camino de Salud, NE

Albuquerque, NM 87106

Analyst: \

Re: A purgeable water sample submitted to this laboratory on June 27, 1989

OIL CONSERVATION DIV

State Land Office Bldg.

P. O. Box 2088

Santa Fe, NM 87504-2088

DEM	OCR	APHIC	\mathbf{C}	ATA

	D)	EMOGRAPHIC D	AIA				
CO	OLLECTION		LOCATION				
On: 21-Jun-89	<i>By:</i> Boy						
At: 16:03 hrs.	In/Near: Lovington						
	ANALYTICAL RESU	JLTS: Aromatic &	k Haloge	nated Purgeab	le Screen		
Para	ımeter	Value	Note	MDL	_Units		
Halogenated	Purgeables (33)	0.00	N	5.00	ppb		
Benzene		80.00		10.00	ppb		
Notations & Con MDL = Minimal Det							
	alue; $N = None Detected above Dete$		pound Prese	ent, but not quantif	ied;		
Evidentiary Seals: 1	Not Sealed∏; Intact: No□, Yes[& Broken By:			Date:		
Laboratory Ren	narks: Davis Gas- Coolin	g Jacket Wtr					
\sim	γ	17 46		4 01			

Analysis

Date

Reviewed By: Mary Tolon

Richard F. Meyerhein

Supervisor, Organic Chemistry Section

07/25/89

MECELVED

Michael J. Owen

Analyst, Organic Chemistry

JUL 3 1 1989

OIL CONSERVATION DIV. SANTA FE



SCIENTIFIC LABORATORY DIVISION ORGANIC ANALYSIS REQUEST FORM

754 W

RGANIC ANALYSIS REQUEST FOR Organic Section - Phone: 841-2570

		UR89-U9U9-C
REPORT TO:	DAVID BOYER	S.L.D. No. OR-
	N.M. OIL CONSERVATION DIVISION	_ DATE REC. <u>6-27-89</u>
	P.O. Box 2088	_ PRIORITY
	Santa Fe, NM 87504-2088	PHONE(s): 827-5812
	erry: 100/299162	/
	ATE/TIME CODE: (Year-Month-Day-Hour-Minute) 819	A
LOCATION COI	DE: (Township-Range-Section-Tracts) 155+317	E + 0 2 + 4 - - (10006E24342)
	8 2 2 3 5 SUBMITTER: David Boye:	
SAMPLE TYPE	: WATER X, SOIL , FOOD , OTHER:	
NP: P-Ice P-AA P-HCl ANALYSES RE required. Whene (753) Aliph (754) Arom (765) Mass (766) Triha (774) SDW. (775) SDW.	atic Headspace (1-5 Carbons) atic & Halogenated Purgeables Spectrometer Purgeables [75] Iomethanes A VOC's I (8 Regulated +) A VOC's II (EDB & DBCP) r Specific Compounds or Classes [76] [76]	esidual.
PIELD DATA:	conductivity= 1175 umho/cm at 24°C; Chlorine Residu	al /1
	n=mg/l; Alkalinity=mg/l; Flow Rate	
	ft.; Depth of wellft.; Perforation Interval	
Complian Torrei	Matheda and Barracka (i.e. adam ata)	
Diens	son, methods and remarks (i.e. odors, etc.) 1 Cos Processing - East (Sep) wales Supply
I certify that the activities (signatu	re collector): Meth	field analyses, observations and nod of Shipment to the Lab:
CHAIN OF CU		<i>'</i>
I certify that the	nis sample was transferred from	1
at (location)	on	`
the statements i	n this block are correct. Evidentiary Seals: Not Sealed 🦳	OR Seals Intact: Yes No
Signatures		

For OCD use: Date owner notified: 4/3/89 P

Phone of Letter?) Initials

ANALYSES PERFORMED

LAB. No.: OR-

THIS PAGE FOR LABORATORY RESULTS ONLY

This sample was tested using the analytical screen	ning method(s)	checked below:	
PURGEABLE SCREENS		EXTRACTABLE SCREENS	
(753) Aliphatic Headspace (1-5 Carbons)		(751) Aliphatic Hydrocarbons	
[(754) Aromatic & Halogenated Purgeables		(755) Base/Neutral Extractables	
(765) Mass Spectrometer Purgeables		(758) Herbicides, Chlorophenoxy acid	
(766) Trihalomethanes		(759) Herbicides, Triazines	
(774) SDWA VOC's I (8 Regulated +)			İ
		(760) Organochlorine Pesticides	
[(775) SDWA VOC's II (EDB & DBCP)		(761) Organophosphate Pesticides	
Other Specific Compounds or Classes		(767) Polychlorinated Biphenyls (PCB's)	
		(764) Polynuclear Aromatic Hydrocarbons	
		(762) SDWA Pesticides & Herbicides	
ANA	ALYTICA	L RESULTS	
COMPOUND(S) DETECTED	CONC.	COMPOUND(S) DETECTED	CONC.
	[PPB]		[PPB]
			11
			11
	I		
·	1		11
			fi
			11
· ·			
• DETECTION LIMIT • *		+ DETECTION LIMIT + T	
4.2.2.2.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4			-
ABBREVIATIONS USED:			
N D = NONE DETECTED AT OR ABOVE			}
T R = DETECTED AT A LEVEL BELOW			1
[RESULTS IN BRACKETS] ARE UNCONF	IRMED AND/C	OR WITH APPROXIMATE QUANTITATION	1
			Ì
			<u> </u>
LABORATORY REMARKS:			
			
			1
	•		
CERTIFICAT	E OF ANALY	TICAL PERSONNEL	
0.1/3 \$2.0.0.1.1			
Seal(s) Not Sealed Intact: Yes No . S	eai(s) broken b	y: qate:	
I certify that I followed standard laboratory procedu			and
that the statements on this page accurately reflect th	he analytical re	sults for this sample.	
Date(s) of analysis: Analyst's sig			
I certify that I have reviewed and concur with the	analytical result	s for this sample and with the statements in this	block.
Reviewers signature:			

STATE OF NEW MEXICO

HEALTH AND VIRONMENT DEPARTMENT

SCIENTIFIC LABORATORY DIVISION

700 Camino de Salud, NE

Albuquerque, NM 87106 [505]-841-2500 ORGANIC CHEMISTRY SECTION [505]-841-2570

July 25, 1989

ANALYTICAL REPORT SLD Accession No. OR-89-0909

<u>Distribution</u>

(<u>I</u>) Submitter

(<u>₩</u>) SLD Files

To: NM Oil Consv. Div.

State Land Office Bldg.

P. O. Box 2088

Santa Fe, NM 87504-2088

From:

Organic Chemistry Section

Scientific Laboratory Div.

700 Camino de Salud, NE

Albuquerque, NM 87106

LOCATION

Re: A purgeable water sample submitted to this laboratory on June 27, 1989

User:

OIL CONSERVATION DIV

State Land Office Bldg.

P. O. Box 2088

Santa Fe, NM 87504-2088

DEMOGRAPHIC DATA

COLLECTION

On: 21-Jun-89
At: 16:19 hrs.

By: Boy . . .

In/Near: Lovington

ANALYTICAL RESULTS: Aromatic & Halogenated Purgeable Screen

Parameter	Value	Note	MDL	<u>Units</u>
Aromatic Purgeables (6)	0.00	N	0.50	ppb
Halogenated Purgeables (33)	0.00	N	1.00	ppb
Notations & Comments:				
MDL = Minimal Detectable Level.				
A = Approximate Value; N = None Detected above Dete T = Trace (<detection identity<="" limit);="" td="" u="Compound"><td></td><td>pound Presen</td><td>it, but not quantifi</td><td>ied;</td></detection>		pound Presen	it, but not quantifi	ied;
Evidentiary Seals: Not Sealed 7; Intact: No 7, Yes 7] & Broken By:			Date:

Laboratory Remarks: Davis Gas- East Wtr Supply

Analyst:

Michael J. Wwen

Analyst, Organic Chemistry

Analysis

Date

Reviewed By:

Richard F. Meyerhein

07/25/89

Supervisor, Organic Chemistry Section

MECHINED.

JUL 3 1 1989 OIL CONSERVATION DIV. SANTA FE

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

May 17, 1989

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

CERTIFIED MAIL RETURN RECEIPT NO. P-106-675-540

Mr. Donald K. Judd DAVIS GAS PROCESSING 211 North Colorado Midland, Texas 79701

RE: Discharge Plan GW-48

Denton Gas Plant

Lea County, New Mexico

Dear Mr. Judd:

The Oil Conservation Division (OCD) has received your request, dated March 14, 1989, for an extension of the authorization to discharge without an approved discharge plan at the above referenced facility. The discharge plan application was received by the OCD on December 15, 1988 and supplemental information was received on March 27, 1989.

Pursuant to WQCC Regulation 1-106.A, and for good cause, you are granted an extension to October 6, 1989 to discharge without an approved discharge plan. This extension is granted to allow for completion of review of your latest submission and further exchange of comments and information.

If you have any questions, please call Roger Anderson at (505) 827-5884.

Sincerely

William J. LeMay

Director

WJL/RCA/sl

cc: OCD Hobbs Office

E. E. Zernial, Davis, Denton

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below. . Complete items 1, 2, 3, and 4 on the

- reverse. · Attach to front of article if space permits, otherwise affix to back of
- article.
- Endorse article "Return Receipt Requested" adjacent to number.





MAY 22 1989

CIL CONSERVATION DIV.

SANTA FE



PENALTY FOR PRIVATE USE, \$300

Print Sender's name, address, and ZIP Code in the space below.

-ENERGY AND MINERALS DEPARTMENT

Oil Conservation Division

P.O. Box 2088

Senta Fe. New Mexico 87501

card from being returned to you. The return receipt fee version and the date of delivery. For additional fees the foliofor fees and check box(es) for additional service(s) red. \(\subseteq \text{Show to whom delivered, date, and addressee (Extra charge)} \)	quested.
3. Article Addressed to: Danie Bus Processing 211 7. Calorado Michand, Dx 79701	4. Article Number PIC (CT 55+C) Type of Service: Registered Insured Contified COD Return Receipt for Merchandise
aton! Wonald Gudd	Always obtain signature of addressee or agent and <u>DATE DELIVERED</u> .
5. Signature — Address X 6. Signature — Agent X	8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

Siell Notes of Boyer,
3/29/89 QXRR
(Oher Oct & Take, Ringer Anderson, St)

DAVIS Gay Drac	8903391630 Sample somploading ledelt	Sem	Jaken atoutlette at wet well. Met w) son tull Rule.	- Densiniag arread a Collons - - Dens Cleaner Ton algune - Fiel Clean wh - Engine room on Mashlas	- Remark Tograms on South - Amna process pumps (5/412)	- Cas prosel stid - Contain- ment or concrete sol.
----------------	---	-----	--	--	---	---

REPORT	TO: DAVID BOYER	Sample No. <u>8903291645</u>
	N.M. OIL CONSERVATION DIVISION	
	P.O. Box 2088	PRIORITY
	Santa Fe, NM 87504-2088	PHONE(S): 827-5812
COLLEC	TION CITY: LOVINAtion	; county: Lad
COLLEC	TION DATE/TIME CODE: (Year-Month-Day-Hour-Minute)	101312151/161451
	ON CODE: (Township-Range-Section-Tracts)	
	SUBMITTER: David Boy	
SAMPLE	TYPE: WATER , SOIL , FOOD , OTHER:	
This for	m accompanies Septum Vials, Glass Jugs, and/or	
	were preserved as follows:	
☐ NP:		
		residual.
⊠ P-H	•	
/	BES REQUESTED: Please check the appropriate box(es) below to it	ndicate the type of analytical screens
required.	Whenever possible list specific compounds suspected or required.	
~/759	PURGEABLE SCREENS	EXTRACTABLE SCREENS
		(751) Aliphatic Hydrocarbons (755) Base/Neutral Extractables
		758) Herbicides, Chlorophenoxy scid
= :	•	759) Herbicides, Triasines
☐ (774)	i) SDWA VOC's I (8 Regulated +)	760) Organochlorine Pesticides
(775		761) Organophosphate Pesticides
		767) Polychlorinated Biphenyls (PCB's)
		764) Polynuciear Aromatic Hydrocarbons 762) SDWA Pesticides & Herbicides
Remarks:		
FIELD [DATA:	•
pH=	7; Conductivity=170umho/cm at 20°C; Chiorine Resid	luai=mg/l
Dissolved	Oxygen=mg/l; Alkalinity=mg/l; Flow Rate	
Depth to	waterft.; Depth of wellft.; Perforation Interval	ft.; Casing:
Sampling	Location, Methods and Remarks (i.e. odors, etc.)	00 T+ 1: 1
_Sa	mple from East (delp) Wally (well ned to machine shop.
(ta	hen from outlet at west well aft	of isolating wester tonk
	that the results in this block accurately reflect the results of my (signature collector):	field analyses, observations and Freight shod of Shipment to the Lab: Expand
CHAIN	OF CUSTODY	
I certify	that this sample was transferred from	to DM
at (locati	cion)on	5 89 - 12:25 and that
the state	ements in this block are correct. Evidentiary Sysle: Not Sealed 🔲	OR Seals Intact: Yes No
Signature	" Many	
		
For	OCD use: Date owner notified: 6/19/8	Phone or Letter? Initial

Contract Lab <u>Accult 485</u> Contract No. <u>77-521.67-123</u>

DATE RECEIVED!	1 1	AB O	Sample No.	8903291	445		
Sollection DATE 89103129		SITE INFORM- >	Sample location		Proc	effe	ny
Collected by - Parson/A	gency /n /	ATION (OCD	Collection site description	East was	es we	ell (grom
1301	1 EP- HMXQ	nson /OCD	<u></u>		Toh	mest	to w. well
SEND FINAL REPORT	State Land	SERVATION DIN Office Bidg NM 87504-208	, PO Box 208		1	, -	ege Tople
Phor	ne: 827-58	112			Station/ well code		
SAMPLING CO	-				Owner		
☐ Bailed ☐ Dipped	_ Pump ★ Tap	Water level		Discharge		Sample typ	oral-
рН (00400)	フ	Conductivity (Unco	rrected)	Water Temp. (00010)	2/> °C	Conductiv	ity at 25°C (00094) µmho
Field comments	(west	welld	is Conn	esled)			
No. of samples submitted NA: No aci	/ XNF	(Non-filtered)	□ F: Filtered in 0.45 μmer	mbrane filter A: 2	ml H₂SO₄/		fuming HNO ₃ added
ANALYTICAL P	ESULTS from		U-14- D -14- a-al-ma	1 -			
Conductivity (C 25°C (00095)	Corrected)		Units Date analyzed	From <u>W</u> E,	NA Sample	::	Date Analyzed
Total non-filtera residue (suspe (00530)	nded) //		mg/l	Calcium		mg/1 mg/1 mg/1 mg/1	
A-H ₂ SO ₄			···	Bicarbonate		mg/1	
☐ Nitrate-N +, Ni total (00630) ☐ Ammonia-N to			mg/l	Chloride Sulfate Total Solid		mg/1 mg/1 mg/1	
☐ Total Kjeldahl-I () ☐ Chemical oxyg demand (0034	N		mg/I	Q CO>	unride		
☐ Total organic c	,		mg/l	- A Cation/A		lance	
☐ Other: ☐ Other:				Analyst		eported	Reviewed by
Laboratory remark	·S			<u> </u>			L
	F. Data	Owner Notifie		Phone or Lette			nitals

Contract No. 77-52.07-123 Date Sample No. 8903291645 No. Received mm | dd | hh, mm | COLLECTION SITE DESCRIPTION COLLECTION DATE & TIME: all (GAS Processing COLLECTED BY: OWNER: TO: SITE LOCATION: ENVIRONMENTAL BUREAU County: Les NM OIL CONSERVATION DIVISION State Land Office Bldg., PO Box 2088 SANTA FE, NM 87504-2088 Township, Range, Section, Tract: (10N06E24342) 1 | + | | + | + | D. Royer ATTN: TELEPHONE: 827-5812 STATION/ WELL CODE: LATITUDE, LONGITUDE: | | | | | SAMPLING CONDITIONS: □ Bailed Water Level: Discharge: Sample Type: ☐ Pump Tap Gools □ Dipped Conductivity at 25°C pH(00400) | Conductivity(Uncorr.) | Water Temp.(00010) (00094) 1)() umho nmpo Taken forom top at westwel well d isconnectel LAB ANALYSIS REQUESTED: SAMPLE FIELD TREATMENT Check proper boxes: ☐ WPF: Water WPN: Water ☐ ICAP Scan Preserved w/HNO3 Preserved w/HNO3 Mark box next to metal if AA Filtered Non-Filtered is required. ANALYTICAL RESULTS (MG/L) ELEMENT ICAP VALUE AA VALUE ICAP VALUE AA VALUE ELEMENT Silicon Aluminum \Box Barium Silver Beryllium Strontium Tin Boron 风 Vanadium Cadmium Calcium Zinc Chromium Arsenic Cobalt Selenium X Copper Mercury Iron Lead Magnesium _ Manganese Molybdenum 🔀 Nickel LAB COMMENTS: For OCD Use: ICAP Analyst ___ Reviewer Date Owner Notified: Phone or Letter? Date Analyzed Date Reveived Initials:

Contract Lab Accu-Lass HEAVY METAL ANALYSIS FORM

May 9, 1989 Page 7 of 18

Mr. David Boyer NM Oil Conservation Division RECEIVED

RE: 9649-29859-20

Date Samples Rec'd: 4-5-89 P.O. No. 77-521.07-123 MAY 1 7 1989

OIL CONSERVATION DIV. SANTA FE

ALR Designation Sponsor Designation	9649-29859-20-7 8903291645 3-29-89	9649-29859-20-8 8903291345 3-29-89	9649-29859-20-9 8903291210 3-29-89
GC/MS VOLATILE ORGANICS, µ	g/L:		
Chloromethane	<10	<10	<100
Bromomethane	<10	<10	<100
Vinyl chloride	<10	<10	<100
Chloroethane	<10	<10	<100
Methylene chloride	<5	<5	<50
1,1-Dichloroethene	<5	<5	<50
1,1-Dichloroethane	<5	<5	<50
Total 1,2-Dichloroethene	<5	<5	<50
Chloroform 1,2-Dichloroethane 1,1,1-Trichloroethane Carbon tetrachloride	<5	<5	<50
	<5	<5	<50
	<5	<5	<50
	<5	<5	<50
Bromodichloromethane	<5	<5	<50
1,2-Dichloropropane	<5	<5	<50
c-1,3-Dichloropropene	<5	<5	<50
Trichloroethene	<5	<5	<50
Benzene Dibromochloromethane 1,1,2-Trichloroethane t-1,3-Dichloropropene	13	<5	3400
	<5	<5	<50
	<5	<5	<50
	<5	<5	<50
2-Chloroethylvinyl ether	<5	<5	<50
Bromoform	<5	<5	<50
1,1,2,2-Tetrachloroethane	<5	<5	<50
Tetrachloroethene	<5	<5	<50

May 9, 1989 Page 8 of 18

Mr. David Boyer NM Oil Conservation Division RECEIVED

RE: 9649-29859-20

Date Samples Rec'd: 4-5-89 P.O. No. 77-521.07-123

MAY 1 7 1989

OIL CONSERVATION DIV. SANTA FE

ALR Designation Sponsor Designation	9649-29859-20-7 8903291645 3-29-89	9649-29859-20-8 8903291345 3-29-89	9649-29859-20-9 8903291210 3-29-89
Determination: μg/L			
Toluene	<5	<5	3500
Chlorobenzene	<5	<5	<50
Ethyl benzene	<5	<5	670
Total Dichlorobenzenes	<5	<5	. <50
Total Xylenes	<5	<5	1400
Determination: mg/L			
Aluminum, total Barium, total Boron, total Cadmium, total Calcium, total	<0.1	0.1	<1*
	0.10	0.27	0.9
	0.2	0.7	9.3
	<0.005	<0.005	<0.05*
	160	570	3500
Chromium, total Cobalt, total Copper, total Iron, total Magnesium, total	<0.005	0.008	<0.05*
	<0.005	<0.005	<0.05*
	0.048	0.070	<0.05*
	1.7	1.6	2.5
	24	72	980
Manganese, total	0.069	0.027	1.1
Mercury, total	0.0007	<0.001*	0.002
Molybdenum, total	<0.005	0.011	<0.05*
Nickel, total	<0.01	0.01	<0.1*
Potassium, total	4.3	26	570
Silver, total Sodium, total Strontium, total Zinc, total Total Alkalinity,	<0.005	<0.005	<0.005
	120	280	19,000
	1.0	4.6	65
	0.022	0.024	<0.05
(as CaCO ₃ to pH 4.5)	280	110	1600

May 9, 1989 Page 9 of 18

Mr. David Boyer NM Oil Conservation Division RIECEIVED

RE: 9649-29859-20

Date Samples Rec'd: 4-5-89 P.O. No. 77-521.07-123

MAY 1 7 1989

OIL CONSERVATION DIV. SANTA FE

ALR Designation Sponsor Designation	9649-29859-20-7 8903291645 3-29-89	9649-29859-20-8 8903291345 3-29-89	9649-29859-20-9 8903291210 3-29-89
Determination: mg/L			
Carbonate (as CO ₃) Bicarbonate (as HCO ₃) pH Specific Conductance, µmhos/cm	<5 330 7.5 1600	<5 140 7.2 5400	<5 1900 7.3 120,000
Arsenic, total Lead, total Selenium, total Total Solids Bromide	0.008 <0.005 <0.005 930	0.015 <0.005 0.006 3300	0.72 <0.005 <0.005 65,000 <200*
Fluoride Chloride Sulfate (as SO ₄) Ion Balance	1.4 260 110 101	 630 1400 95	37,000 1300 99

REPORT TO:	D1//-D DAMES		ちんて おんつひ
	DAVID BOYER	Sample No. <u>890</u>	77.07
	N.M. OIL CONSERVATION DI	VISION DATE REC.	
	P.O. Box 2088	PRIORITY	
	Santa Fe, NM 87504-2088	PHONE(S): 827-5	812
	TY: Lovington		
			2 4
COLLECTION DA	ATE/TIME CODE: (Year-Month-Day-Hour-M	laute) 1 <u>819101312191/1615</u>	<u> </u>
LOCATION COD	E: (Township-Range-Section-Tracts)	<u> + </u>	10N06E24342)
	SUBMITTER:	David Bover	
SAMPLE TYPE:	WATER A, SOIL , FOOD , OTH	ER:	
This form	panies Septum Vials, Glass J		
	eserved as follows:	ugs, and/or	
☐ NP:	No Preservation; Sample stored at room to	mperature.	
P-ice .	Sample stored in an ice bath (Not Frosen).	
P-AA	Sample Preserved with Ascorbic Acid to r		
 \	Sample Preserved with Hydrochloric Acid		
	• • • • • • • • • • • • • • • • • • • •	es) below to indicate the type of analytical sci	ree55
•	er possible list specific compounds suspected PURGEABLE SCREENS	extractable screens	
	tic Headspace (1-5 Carbons)	(781) Aliphatic Hydrocarbons	
	tic & Halogenated Purgeables	(755) Base/Neutral Extractables	
	Spectrometer Purgeables	(758) Herbicides, Chlorophenoxy a	cid
(766) Tribale	· ·	(759) Herbicides, Triasines	
(774) SDWA	VOC's I (8 Regulated +)	(760) Organochlorine Pesticides	
(775) SDWA	VOC's II (EDB & DBCP)	(761) Organophosphate Pesticides	
		— 4===0 = 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0	CB's)
Other	Specific Compounds or Classes	(767) Polychlorinated Biphenyls (F	
Other	Specific Compounds or Classes	(764) Polynuciesr Aromatic Hydro	carbons
Other	Specific Compounds or Classes		carbons
Other	Specific Compounds or Classes	(764) Polynuciesr Aromatic Hydro	carbons
	Specific Compounds or Classes	(764) Polynuciesr Aromatic Hydro	carbons
	Specific Compounds or Classes	(764) Polynuciesr Aromatic Hydro	carbons
Remarks:		(764) Polynuciear Aromatic Hydro (762) SDWA Pesticides & Rerbici	carbons
Remarks:	onductivity= 1400 umbo/cm at 33 °C;	(764) Polynuciear Aromatic Hydro (762) SDWA Pesticides & Rerbici	carbons
Remarks:	anductivity=1400umbo/cm at 33°c;	(764) Polynucies Aromatic Hydro (762) SDWA Pesticides & Herbici Chlorine Residual=mg/l	carbons
Remarks: PIELD DATA: pH=; Co Dissolved Oxygen:	onductivity= <u>1480</u> umbo/em at <u>33 °</u> C;	(764) Polynucies Aromatic Hydro (762) SDWA Pesticides & Herbici Chlorine Residual=mg/l	carbons
Remarks: PIELD DATA: pH=; Co Dissolved Oxygen: Depth to water	onductivity=1480umbo/cm at 33°C; =mg/l; Alkalinity=mg/l; Flo- ft.; Depth of wellft.; Perform	(764) Polynucies Aromatic Hydro (762) SDWA Pesticides & Herbici Chlorine Residual=mg/l	carbons
Remarks: PIELD DATA: pH=; Co Dissolved Oxygen: Depth to water	anductivity=1480umho/cm at 33°C; =mg/l; Alkalinity=mg/l; Florenceft.; Depth of wellft.; Perform	(764) Polynuclear Aromatic Hydro (762) SDWA Pesticides & Herbici Chlorine Residual=mg/l Rate	carbons
Remarks: PIELD DATA: pH=; Co Dissolved Oxygen: Depth to water	mductivity=1400umho/cm at 33°C; mg/l; Alkalinity=mg/l; Florence ft.; Depth of wellft.; Perform m, Methods and Remarks (i.e. odors, etc.) Srow Cooling Jake 1	(764) Polynucies Aromatic Hydro (762) SDWA Pesticides & Herbici Chlorine Residual=mg/l	carbons
Remarks: FIELD DATA: pH=; Co Dissolved Oxygen: Depth to water Sampling Location Sampling Location	onductivity=1400umbo/cm at 33°C; =mg/l; Alkalinity=mg/l; Flor ft.; Depth of wellft.; Perform n, Methods and Remarks (i.e. odors, etc.) ENON COOLING Jake I Caf Processing	(764) Polynuclear Aromatic Hydro (762) SDWA Pesticides & Herbici Chlorine Residual=mg/l Rate	des
Remarks: FIELD DATA: pH=; Co Dissolved Oxygen: Depth to water Sampling Location Sampling Location	onductivity=1400umbo/cm at 33°C; =mg/l; Alkalinity=mg/l; Flor ft.; Depth of wellft.; Perform n, Methods and Remarks (i.e. odors, etc.) ENON COOLING Jake I Caf Processing	(764) Polynuclear Aromatic Hydro (762) SDWA Pesticides & Herbici Chlorine Residual=mg/l Rate	des
Remarks: FIELD DATA: pH=; Co Dissolved Oxygen: Depth to water Sampling Location Sampling Location Sampling Location Sampling Location	mductivity=1400umho/cm at 33°C; mg/l; Alkalinity=mg/l; Flor ft.; Depth of wellft.; Perfora n, Methods and Remarks (i.e. odors, etc.) Show Cooling Jake f Gat Processing e results in this block accurately reflect the	(764) Polynuclear Aromatic Hydro (762) SDWA Pesticides & Herbici Chlorine Residual=mg/l Rate	carbons des
Remarks: FIELD DATA: pH=; Co Dissolved Oxygen: Depth to water Sampling Location Sampling Location Sampling Location Sampling Location	mg/l; Alkalinity= mg/l; Florent, Methods and Remarks (i.e. odors, etc.) Sook Cooling Jakel Gat Proceeding the results in this block accurately reflect the collector):	(764) Polynuclear Aromatic Hydro (762) SDWA Pesticides & Herbici Chlorine Residual=mg/l Rate	carbons des
Remarks: FIELD DATA: pH=; Co Dissolved Oxygen: Depth to water Sampling Location CELLY STATEMENT OF CUSTON CHAIN OF CU	inductivity= 1400 umbo/cm at 33°C; =mg/l; Alkalinity=mg/l; Flor ft.; Depth of wellft.; Perforance n, Methods and Remarks (i.e. odors, etc.) ENOW COOLING Tacked From Colling Tacked e results in this block accurately reflect the re collector):	(764) Polynuclear Aromatic Hydro (762) SDWA Pesticides & Herbici Chlorine Residual=mg/l Rate	carbons des
Remarks: PIELD DATA: pH=; Co Dissolved Oxygen: Depth to water Sampling Location Collision Collision CHAIN OF CUS I certify that the	mg/l; Alkalinity= mg/l; Florent, Methods and Remarks (i.e. odors, etc.) Sook Cooling Jakel Gat Proceeding the results in this block accurately reflect the collector):	Chlorine Residual=mg/l Rate	Freight Express
Remarks: FIELD DATA: pH=; Co Dissolved Oxygen: Depth to water Sampling Location CELLY STATEMENT OF CUSTON CHAIN OF CU	inductivity= 1400 umbo/cm at 33°C; =mg/l; Alkalinity=mg/l; Flor ft.; Depth of wellft.; Perforance n, Methods and Remarks (i.e. odors, etc.) ENOW COOLING Tacked From Colling Tacked e results in this block accurately reflect the re collector):	(764) Polynuclear Aromatic Hydro (762) SDWA Pesticides & Herbici Chlorine Residual=mg/l Rate	Sreight Express
Remarks: PIELD DATA: pH=; Co Dissolved Oxygen: Depth to water Sampling Location Sampling Location Ctall OF CUS I certify that the activities (signature) CHAIN OF CUS I certify that this at (location)	inductivity=1400umho/cm at 33°C; =mg/l; Alkalinity=mg/l; Flor ft.; Depth of wellft.; Perform a. Methods and Remarks (i.e. odors, etc.) Show Cooling Tacked Gal Processing reflect the e results in this block accurately reflect the collector): Alkalinity=_mg/l; Floridation of the collector of the co	Chlorine Residual=mg/l Rate	Freight Express
Remarks: PIELD DATA: pH=; Co Dissolved Oxygen: Depth to water Sampling Location Sampling Location Ctall OF CUS I certify that the activities (signature) CHAIN OF CUS I certify that this at (location)	inductivity=1400umho/cm at 33°C; =mg/l; Alkalinity=mg/l; Flor ft.; Depth of wellft.; Perform a. Methods and Remarks (i.e. odors, etc.) Show Cooling Tacked Gal Processing reflect the e results in this block accurately reflect the collector): Alkalinity=_mg/l; Floridation of the collector of the co	Chlorine Residual=mg/l Rate	Freight Express and that



DATE RECEIVED	2 C	48 O.	Sample No.	890329/6	50		
Collection DATE 9		SITE INFORM- >	Sample location	avis Gas	Proc	es511	ng
Collected by — Person/Ag	ioncy Asid or	1800 /OCD	Collection site description	Surgeton	bates		no Tackets
SEND N FINAL S REPORT S	NVIRONMENT M OIL CONS tate Land	TAL BUREAU SERVATION DI' Office Bldg NM 87504-208	, PO Box 208		eff to	luen	Mine nd
	e: 827 - 53	312			Station/ well code Owner		
	Pump Tap	Water level		Discharge		Sample ty	pe Cools
рН (00400)	7 (strip	Conductivity (Unco	prrected)	Water Temp. (00010)	33 ⋅c	Conductiv	ity at 25°C (00094) µmho
Field comments							
SAMDI E EIEI D	TOEATMENT	T — Check prope	or hoves				
No. of samples submitted	XNF	1443	□ F. Filtered in	field with mbrane filter	2 ml H ₂ SO ₄ /	L added	
□ NA: No acid	dadded □ C	Other-specify:	□A:	5ml conc. HNO ₃ a	dded □A	A: 4ml	fuming HNO ₃ added
ANALYTICAL R	ESULTS from		Unite Data analysis				
Conductivity (Co	orrected)		Units Date analyze	From <u>N</u> F,	NA Sample	:	Date Analyzed
Total non-filteral residue (suspen (00530)		,	mg/l	Calcium Potassium		mg/1 mg/1	
Cother:	<i>p</i> # =			Magnesium Sodium		mg/1 mg/1	
C Other:				Bicarbonati	e	mg/1	
A-H₂SO₄ ☐ Nitrate-N + , Nitr	rate-N			Chioride _		mg/1	
total (00630) Ammonia-N total			mg/l	Sulfate Total Soli	ds	mg/: mg/:	
☐ Total Kjeldahl-N () ☐ Chemical oxyge demand (00340			mg/l	X CO3			
☐ Total organic ca	· —		mg/l	Cation/A	nion Ba	lance	
☐ Other: ☐ Other:				Analyst		petroqe 	Reviewed by
Laboratory remarks	<u> </u>		- <u></u>	<u> </u>			<u> </u>
			~	***************************************	************************************		

FOR OCD USE -- Date Owner Notified Phone or Letter? Initals

· Contract Lab AccurLABS HEAVY METAL ANALYSIS FORM Gontract No. 77-521.07-123 Date Lab Sample No. 8903291630 No. Received COLLECTION SITE DESCRIPTION COLLECTION DATE & TIME: Davis Gos Processino poling Jacket Surge COLLECTED BY: OWNER: TO: SITE LOCATION: ENVIRONMENTAL BUREAU County: Les NM OIL CONSERVATION DIVISION State Land Office Bldg., PO Box 2088 SANTA FE, NM 87504-2088 Township, Range, Section, Tract: (10N06E24342) | | | + | | + | + | | | A. Boyer ATTN: STATION/ WELL CODE: | | TELEPHONE: 827-5812 LATITUDE, LONGITUDE: | | | | | SAMPLING CONDITIONS: □ Bailed Pump Water Level: Discharge: Sample Type: Gralo ☐ Dipped ₩ Tap Conductivity at 25°C Conductivity(Uncorr.) | Water Temp. (00010) pH(00400) (00094)33°c 1400 µmho umho FIELD COMMENTS: SAMPLE FIELD TREATMENT LAB ANALYSIS REQUESTED: Check proper boxes: WPN: Water WPF: Water ☐ ICAP Scan Preserved w/HNO3 Preserved w/HNO, Mark box next to metal if AA Non-Filtered is required. Filtered ANALYTICAL RESULTS (MG/L) AA VALUE ELEMENT ICAP VALUE ELEMENT ICAP VALUE AA VALUE Silicon Aluminum M Barium Silver M Beryllium Strontium Boron Tin 网 Vanadium Cadmium Calcium Zinc Chromium Arsenic Cobalt Selenium 冠 Copper Mercury \triangleright Iron Lead Magnesium Manganese Molybdenum 🔂 Nickel LAB COMMENTS: For OCD Use: ICAP Analyst_____ Reviewer_ Date Owner Notified:

Date Analyzed ____ Date Reveived ___

Phone or Letter?

Initials:

May 9, 1989 Page 5 of 18

Mr. David Boyer NM Oil Conservation Division

RE: 9649-29859-20

Date Samples Rec'd: 4-5-89 P.O. No. 77-521.07-123

RECEIVED

MAY 1 7 1989

OIL CONSERVATION DAY. SANTA PE

ALR Designation Sponsor Designation	9649-29859-20-4 8903291055 3-29-89	9649-29859-20-5 8903301230 3-30-89	9649-29859-20-6 8903291630 3-29-89
Determination: μg/L			
Toluene	100	1300	<5
Chlorobenzene	<5	<50	<5
Ethyl benzene	64	170	<5
Total Dichlorobenzenes	<5	<50	- <5
Total Xylenes	130	370	<5
Determination: mg/L			
Aluminum, total	<1*	<1*	<0.1
Barium, total	1.4	0.4	0.10
Boron, total	60	49	0.2
Cadmium, total	<0.05*	<0.05*	<0.005
Calcium, total	4300	4400	110
Chromium, total Cobalt, total Copper, total Iron, total Magnesium, total	<0.05*	<0.05*	<0.005
	<0.05*	<0.05*	<0.005
	<0.05*	<0.05*	0.032
	2.2	0.9	1.4
	6200	700	22
Manganese, total	4.5	0.22	0.21
Mercury, total	<0.001*	<0.001*	<0.001*
Molybdenum, total	<0.05*	<0.05	<0.005
Nickel, total	<0.1*	<0.1*	<0.01
Potassium, total	320	250	5.4
Silver, total Sodium, total Strontium, total Zinc, total Total Alkalinity,	<0.005	0.018	<0.005
	72,000	43,000	120
	100	460	1.0
	<0.05*	<0.05*	<0.005
(as CaCO ₃ to pH 4.5)	580	300	170

May 9, 1989 Page 6 of 18

Mr. David Boyer NM Oil Conservation Division

RECEIVED

RE: 9649-29859-20

Date Samples Rec'd: 4-5-89 P.O. No. 77-521.07-123

MAY 1 7 1989

OIL CONSERVATION DIV. SANTA FE

ALR Designation Sponsor Designation	9649-29859-20-4 8903291055 3-29-89	9649-29859-20-5 8903301230 3-30-89	9649-29859-20-6 8903291630 3-29-89
Determination: mg/L			
Carbonate (as CO ₃) Bicarbonate (as HCO ₃) pH Specific Conductance, µmhos/cm	<5	<5	<5
	700	360	200
	7.2	6.9	7.6
	390,000	230,000	
Arsenic, total	0.51	<0.005	<0.005
Lead, total	0.008	0.050	<0.005
Selenium, total	<0.25*	<0.10*	<0.005
Total Solids	210,000	120,000	750
Bromide	270	<80*	<5*
Chloride	130,000	70,000	250
Sulfate (as SO ₄)	4100	1400	110
Ion Balance	102	107	100

May 9, 1989 Page 4 of 18

RECEIVED

Mr. David Boyer NM Oil Conservation Division

MAY 1 7 1989

RE: 9649-29859-20

OIL CONSERVATION DIV.

Date Samples Rec'd: 4-5-89 P.O. No. 77-521.07-123

			
ALR Designation Sponsor Designation	9649-29859-20-4 8903291055 3-29-89	9649-29859-20-5 8903301230 3-30-89	9649-29859-20-6 8903291630 3-29-89
GC/MS VOLATILE ORGANICS, µg]/L:		
Chloromethane	<10	<100	<10
Bromomethane	<10	<100	<10
Vinyl chloride	<10	<100	<10
Chloroethane	<10	<100	<10
Methylene chloride	<5	<50	<5
1,1-Dichloroethene	<5	<50	<5
1,1-Dichloroethane	<5	<50	<5
Total 1,2-Dichloroethene	<5	<50	<5
Chloroform	<5	<50	<5
1,2-Dichloroethane	<5	<50	<5
1,1,1-Trichloroethane	<5	<50	<5
Carbon tetrachloride	<5	<50	<5
Bromodichloromethane	<5	<50	<5
1,2-Dichloropropane	<5	<50	<5
c-1,3-Dichloropropene	<5	<50	<5
Trichloroethene	<5	<50	<5
Benzene Dibromochloromethane 1,1,2-Trichloroethane t-1,3-Dichloropropene	75	2200	<5
	<5	<50	<5
	<5	<50	<5
	<5	<50	<5
2-Chloroethylvinyl ether	<5	<50	<5
Bromoform	<5	<50	<5
1,1,2,2-Tetrachloroethane	<5	<50	<5
Tetrachloroethene	<5	<50	<5

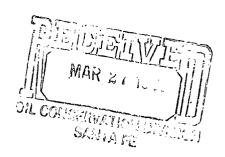
J. L. DAVIS GAS CONSULTING - REGISTERED ENGINEER 211 NORTH COLORADO MIDLAND, TEXAS 79701

A. C. 915 682-6311

March 14, 1989

State of New Mexico Cil Conservation Division PO Box 2088 State Land Office Building Santa Fe, New Mexico 87504 ATTN: Mr. Roger C. Anderson

RE: Discharge Plan GW-48
Denton Gas Plant
Lea County, New Mexico



Dear Mr. Anderson:

Pursuant to your letter of February 9, 1989, copy attached, I am herewith providing the additional information requested. Each item below is numbered in accordance with your letter outline.

II. PLANT PROCESSES

- 1. The two 9000 gallon tanks are above ground and are not bermed. They are, however, process tanks and contain more water than hydrocarbon.
- 2. The plant personnel state that NO corrosion inhibitor is used and my prior reference thereto was apparently in error.
- 3. The plant personnel state that neither cooling jacket water nor engine oil commonly leak in such a way that the effluent would drain across the ground into the cooling tower pit. I saw absolutely no evidence of such leaks in the fall of 1988 when I was preparing the original report and suggest that perhaps the April event was in fact a fluke. However, the plant is planning to seal of the cooling tower basin which will end the disposal of the basin water into the unlined pit.
- 4. Paragraph #1: The amount of wash water and soap discharged to grade is minimal and for annual discharge is probably comparable to an individual washing his car monthly in his driveway. It is totally unfeasible to contain and collect this soapy water. Therefore, the plant will simply stop washing the amine and process skids if you so direct.

< '

Paragraph #2: There are no leak detection systems for engine room sump or skimmer pit. The engine room sump operates with a normal fluid level of only 6" to 12".

There is little hydraulic driving force for any possible leak.

SEE NOTE "A", page 3.

- 5. Each engine already has a concrete perimeter trench designed to divert all oil seepage into the underground sump. This would seem to be adequate for the purpose.
- 6. There is no oil leakage from the oil transfer pumps to the ground. One pump is a submersible pump located in the pit; the other is a centrifugal pump on a plate over the pit.

II. SPILL/LEAK DETECTION & HOUSEKEEPING

- 1. No tanks are presently bermed. To provide berming, a specific design will be developed prior to June 1, 1989 and construction will be completed by January 1, 1990.
- 2. The plant will close the cooling tower basin and prevent rain water from entering. This will be done during 1989.
- 3. The only underground lines in excess of 25 years age are the gravity drains from the engine room sump and the yard sumps. The condensate lines and process lines are above ground.

Gelden UK

SEE NOTE "A", page 3. 0

4. The oil/water separator site clean-up would be $6^{\sqrt[4]{r}}$ coincidentally done with the berming.

MISCELLANEOUS

- I. No.
- 2. Attached.
- 3. No sludges or solid wastes other than filter elements. Presently such waste is put in plastic garbage bags and delivered to an approved landfill.
- 4. No drum storage.

- 5. A plat is attached. Moreover, a generalized plantsite map was attached to the original report as Exhibit "C". All surrounding contiguous property is owned by the Dickenson Ranch.
- 6. The pond/field general cleanup plan is as follows:
 - a. Encapsulate loose debris and trash in plastic bags and remove to approved landfill.
 - b. Bring in and compact a 2 ft. layer of dirt over the pond, mounding as required.
 - c. Remove existing pond berms and incorporate this material into pond cover.
 - d. Bring in or move sufficient dirt to mound the drainage field.
 - e. Engineering is scheduled for late 1989 and construction during the first half of 1990.

6 °C

7. All major units are either on elevated pads or diked to prevent runoff water from contracting the equipment.

NOTE "A"

Since the engine room pit is in reality a low head sump and all associated lines are gravity flow, it is proposed to keep the engine room pit pumped dry. The system would be kept empty except when transferring fluid.

Moreover, an economic feasibility study is underway to determine is the underground lines can be brought above grade. However, the process is best served by underground water lines to prevent winter freeze-ups. This same study will address an above-grade skimmer tank.

NOTE "B"

Very little process water and absolutely minimal hydrocarbons are now discharged to the soil surface. Gas plant economics are generally marginal at best due to low product prices and the Denton plant suffers additionally from reduced throughput. I would hope that the New Mexico Oil conservation Division recognizes this and will accept a reasonable approach that addresses the present operation from a prospective viewpoint.

Please advise if additional information is required.

Most important, Davis Gas Processing, Inc. wishes to request any extension as may be required to keep the plant running during this review and subsequent construction.

Thank you very much,

Donald %. Judd

Agent

cc: J.L. Davis

Bill Phillips

E.E. Zernial Denton Plant

Jim Ross Tipperary

DKJ/bt/3-14.1 Attached

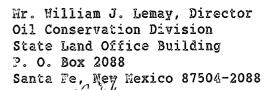


UNITED STATES DEPARTMENT OF THE INTERIOR

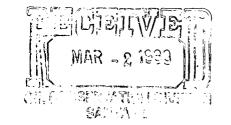
FISH AND WILDLIFE SERVICE

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

March 1, 1989



Dear Mr. Lemay:



This responds to the public notice dated February 24, 1989, in which several proposed groundwater discharge plans were described. We have reviewed all of the plans and have identified resource issues of concern to our agency in the following:

- GH-47 Sunterra Gas Processing Company, Lybrook Gas Plant. John Renner, General Manager, P.O. Box 1869, Bloom Field, NM 87143.
- GW-7 El Paso Natural Gas Co., Jal 34 Gas Processing Plant, John C. Bridges Manager, Environmental Engineering Group, P.O. Box 1492 El Paso, Texas 79978.
- GH-48 Davis Gas Processing Company, Donald K. Judd, Agent., 211 N. Colorado, Midland, Texas 79971.

Our concern is that any surface water discharges resulting from these operations should not have visible traces of oil or gas. If migratory birds were to come in contact with the contaminated waters and perish, violations of the Migratory Bird Treaty Act would have occurred. The Migratory Bird Treaty Act prohibits the taking, except by permit, of individual migratory birds (16 U.S.C. 703). The Migratory Bird Treaty Act prohibits unpermitted taking "by any means or in any manner" of the protected species. Case law has found that unintentional kills of migratory birds, by poisoning or other circumstances is prohibited. Fines of up to \$10,000 have been levied against violators.

These comments represent the views of the Fish and Wildlife Service. If you have any questions concerning our comments, please contact Tom O'Brien or Richard Roy at (505) 883-7877 or FTS 474-7877.

Sincerely yours,

John C. Peterson Field Supervisor

cc:

Director, New Mexico Department of Game and Fish, Santa Fe, New Mexico Regional Administrator, Environmental Protection Agency, Attn: Kathy Hollar, Office of Ground Water, Dallas, Texas Regional Director, U.S. Fish and Wildlife Service, Fish and Wildlife Enhancement and Law Enforcement, Albuquerque, New Mexico



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS

March 7, 1989

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

Mr. John C. Peterson Field Supervisor U.S. Fish and Wildlife Service Suite D 3530 Pan American Highway, N.E. Albuquerque, New Mexico 87107

Dear Mr. Peterson:

Thank you for your letter of March 1, 1989 providing comments in response to our public notice on pending ground water discharge plans. As you know, OCD has appointed an industry committee to study these issues and make recommendations for OCD rule and policy changes.

In the meantime, OCD will take the following actions regarding the information provided in your letter:

- 1. Notification of the companies listed in the public notice of the contents of your letter, and pending OCD rulemaking.
- 2. Modification of discharge plan guidelines for natural gas plants and other facilities to state that discharges to exposed surface facilities must not contain oily films, or that the facilities implement effective methods for prevention of bird contact with the water surface.

Upon completion of the rulemaking action, all companies having discharge plans will be notified of the necessity to protect migratory birds, and facilities will be monitored for compliance during the next regularly scheduled inspection.

If you have any questions regarding this matter, please contact David Boyer of my staff at (505) 827-5812.

Sincerely,

William J. LeMa

Director

WJL/DGB/sl

IDAVIT OF PUBLICATION

No. _23012

STATE OF NEW MEXICO. County of San Juan:

Betty Shipp being duly
sworn, says: That he is the Nat'l. Adv. Manager of
THE FARMINGTON DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the
hereto attached legal notice
was published in a regular and entire issue of the said FARMINGTON DAILY TIMES, a daily newspaper duly qualified for the purpose within the
meaning of Chapter 167 of the 1937 Session Laws of the State of New
Mexico for _one_ cylule/ulive/(days) (weeks)/on the same day as
follows:
First Publication Thursday, February 16, 1989
Second Publication
Third Publication
Fourth Publication
and that payment therefor in the amount of \$ 45.47
has been made. Betty Therep
Subscribed and sworn to before me this 16th day
of February 19 89.
NOTARY PUBLIC, SAN JUAN COUNTY, NEW MEXICO
My Commission expires: June 23/1990

Copy of Publication

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

Notice is hereby given that pursuant to New Mexico Water Quality Control Commission Regulations, the following discharge plans have been submitted for renewal or approval to the Director of the Oil Conservation Division, State Land Office Building, P.O. Box 2088,

Santa Fe. New Mexico 87504-2088. Telephone (505)827-5800:
(GW-7) El Paso Natural Gas Company, Jai #4 Gas Processing Plant, John C. Bridges, Manager, Environmental Engineering Group, P.O. Box 1492, El Paso, Texas 79978, has submitted an application for renewal of its previously approved discharge plan for its Jal #4 Gas Plant located in Sections 31 and 32, Township 23 South and Sections 5 and 6, Township 24 South, and Range 37 East (NMPM), Lea County, New Mexico. The plant is not in operation at this time and start up is not anticipated in the foreseeable future. If the plant were to begin operation, approximately 98,000 gallons per day of process waste water would be disposed on in an OCD-approved injection well located at the plant site. The total dissolved solids content of the waste water is approximately 1100 mg/l. Growndwater most likely to be affected by an discharge at the surface is at a depth of approximately 105 feet with a total dissolved solids content. of approximately 750 mg/1.

of approximately 750 mg/1.

(GW-47) Sunterra Gas Processing Company, Lybrook Gas Plant, John Renner, General Manager, P.O. Box 1869, Bloomfield, New Mexico 87413, has submitted for approval a groundwater discharge plan application for its Lybrook Gas Plant located in the NW/4, NW/4, Section 14, Township 23 North, Range 7 West, NMPM, Rio Arriba County, New Mexico. Approximately 3200 gallons per day of process wastewater is proposed to be disposed of into existing unlined ponds located on the eastern boundary of the plant property. The total dissolved solids concentration of the wastewater is approximately 8500 milligrams per liter (mg/1). Groundwater most likely to be affected by any discharge at the surface is at a depth in excess of 200 feet with a total dissolved solids depth in excess of 200 feet with a total dissolved solids concentration of 700 mg/1. The discharge plan addresses management of the ponds, including monitoring, and how spills, leaks and other dischages to the ground will be handled. (GW-48) Davis Gas Processing Company, Donald K. Judd, Agent, 211 N. Colorado, Midland, Texas 79971, has submitted for approval a groundwater discharge plan application for its Denton Gas Plant located in the SE/4, Section 2. Township 15 South, Range 37 East, NMPM, Lea County, New Mexico. Approximately 750 gallops per day of process wastewater will be proximately 750 gallons per day of process wastewater will be collected and stored on site in storage tanks prior to disposal in an OCD-approved contract injection well. The total dissolved solids concentration of the wastewater is approximately 2000 milligrams per liter (mg/1). Groundwater most likely to be affected by any discharge at the surface is at a depth of approximately 40 feet with total dissolved solids concentration from 610 to 1600 mg/1. The discharge plan addresses how spills, leaks and other discharges to the ground 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 Consevation Division at the address given above. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any in: terested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director

If no public hearing is held, the Director will approve or disapprove the proposed plan based on information available. If a public hearing is held, the Director will approve or disapprove the proposed plan based on information in the plan and information submitted at the hearing. GIVEN under the Seal of New Mexico Oil Conservation Commission

at Santa Fe, New Mexico, on this 9th day of February. To be published on or before February 24, 1989.

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

SEAL Legal No. 23012 published in the Farmington Daily Times, Farmington, New Mexico on Thursday, February 16, 1989.

43.20 *

43.20 2.27

45.47

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

El Paso Natural Gas Company, Jal #4 Gas (GW-7)Processing Plant, John C. Bridges, Manager, Environmental Engineering Group, P.O. Box 1492, El Paso, Texas 79978, has submitted an application for renewal of its previously approved discharge plan for its Jal #4 Gas Plant located in Sections 31 and 32. Township 23 South and Sections 5 and 6, Township 24 South, Range 37 East (NMPM), Lea County, New Mexico. The plant is not in operation at this time and start up is not anticipated in the foreseeable future. If the plant were to begin operation, approximately 98,000 gallons per day of process waste water would be disposed on in an OCD-approved injection well located at the plant site. The total dissolved solids content of the waste water is approximately 1100 mg/l. Groundwater most likely to be affected by an discharge at the surface is at a depth of approximately 105 feet with a total dissolved solids content of approximately 750 mg/1.

(GW-47) Sunterra Gas Processing Company, Lybrook Gas Plant, John Renner, General Manager, P.O. Box 1869, **Bloomfield, New Mexico 87413,** has submitted for approval a groundwater discharge plan application for its Lybrook Gas Plant located in the NW/4, NW/4, Section 14, Township 23 North, Range 7 West, NMPM, Rio Arriba County, New Mexico. Approximately 3200 gallons per day of process wastewater is proposed to be disposed of into existing unlined ponds located on the eastern boundary of the plant property. The total dissolved solids concentration of the wastewater is approximately 8500 milligrams per liter (mg/1). Groundwater most likely to be affected by any discharge at the surface is at a depth in excess of 200 feet with a total dissolved solids concentration of 700 mg/l. The discharge plan addresses management of the ponds, including monitoring, and how spills, leaks and other discharges to the ground will be handled.

Davis Gas Processing Company, Donald K. Judd, Agent, 211 N. Colorado, Midland, Texas 79971, has submitted for approval a groundwater discharge plan application for its Denton Gas Plant located in the SE/4, Section 2, Township 15 South, Range 37 East, NMPM, Lea County, New Mexico. Approximately 750 gallons per day of process wastewater will be collected and stored on site in storage tanks prior to disposal in an OCD-approved contract injection well. The total dissolved solids concentration of the wastewater is approximately 2000 milligrams per liter (mg/l). Groundwater most likely to be affected by any discharge at the surface is at a depth of approximately 40 feet with total dissolved solids concentration from 610 to The discharge plan addresses how spills, 1600 mg/l. leaks and other discharges to the ground 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. Prior to ruling on any proposed discharge plan or its modification, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which comments may be submitted to him and public hearing may be requested by any interested person. Requests for public hearing shall set forth the reasons why a hearing should be held. A hearing will be held if the Director determines there is significant public interest.

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

GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this 9th day of February. To be published on or before <u>February 24</u>, 1989.

STATE OF NEW MEXICO
OIL CONSERVATION DIMISION

WILLIAM J. LEMAY. Director

SEAL

NOTICE OF PUBLICATION

STATE OF NEW MEXICO

ENERGY, MINERALS

AND NATURAL

RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

Notice is hereby given that purisuant to New Mexico Water Quality
Control Commission Regulations; the
following discharge plans have been
submitted for renewal renewal to approval to the Director of the Oil
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Conservation Division. State Land
Office Building, P.O. Box 2088, Santa

Fe, New Mexico 87504-2088; Julet
phone (505).827-5800.

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EDJ-15 (R-2/86)

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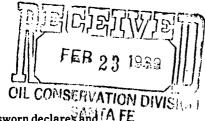
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STATE OF NEW MEXICO \ County of Bernalillo THOMAS I. SMITHSON



THUMAS 3.	being duly sworn declares and
says that he isNATI, ADV. M newspaper is duly qualified to publish legal Section 3, Chapter 167, Session Laws of 193	GBr the Albuquerque Journal, and that this notices or advertisements within the meaning of 7, and that payment therefore has been made or opy of which is hereto attached, was published in
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· ·	Statement to come at end of month.

ACCOUNT NUMBER C80932

AFFIDAVIT OF PUBLICATION

State of New Mexico, County of Lea.

IGeorge W. Moore

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period

of	
One Beginning with the issue	_weeks. e dated
February 19 and ending with the issue	, 19 <u>89</u> e dated
February 19	, 1989_
Pub Sworn and subscribed to	
me this 2/ Telmany	_day of
Vera Mus	, 19 <u>8</u> 9
Notary Public. My Commission expires_	
November 14	1992

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

(Seal)

LEGAL NOTICE February 19, 1989 NOTICE OF PUBLICATION STATE OF NEW MEXICO 動い 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 plans have been submitted for renewal or approval to the Director of the Oil Conservation Division, State Land Office Building, P.O. Box 2088, Santa Fe, New Mexico 87504-2088, Telephone (505) 827,5800

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(GW-48) Davis Gas Processing Company, Donald K. Judd, Agent, 211 N. Colorado, Midland, Texas 79971, has submitted for approval a groundwater discharge plan application for its Denton Gas Plant located in the SE/4, Section 2, Township 15 South, Range 37 East, NMPM, Lea County, New Mexico. Approximately 750 gallons per day of process wastewater will be collected and stored on site in storage tanks prior to disposal in an OCD-approved contract injection well. The total dissolved solids concentration of the wastewater is approximately 2000 milligrams per liter (mg/1). Groundwater

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GIVEN under the Seal of New Mexico Oil Conservation Commission at Santa & Fe, New Mexico, on this 9th day of February. To be published on or before February 24, 1989. STATE OF

NEW WEXICO **OIL CONSERVATION** DIVISION WILLIAMJ, LEMAY, Director (Seal)



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

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

February 9, 1989

RETURN RECEIPT REQUESTED NO. P-106 675 550

Mr. Donald Judd, Agent Davis Gas Processing 211 N. Colorado Midland, Texas 79701

RE: Discharge Plan GW-48
Denton Gas Plant
Lea County, New Mexico

Dear Mr. Judd:

The Oil Conservation Division (OCD) has received and is in the process of reviewing the above referenced discharge plan application. The application, dated December 8, 1988, was received by the OCD on December 15, 1988. The following comments and requests for additional information are based on our review of the data submitted in the application and the OCD site visit of April 14, 1988.

II. PLANT PROCESSES

- Section 1 (separators) states wastewater flows to a 9000 gallon tank for oil separation and then to a 1000 BBL storage tank. Are either of these tanks below grade? If so, are they equipped with leak detection? If the tanks are above ground, are they bermed to contain one-third more than the tank volumes?
- Section 3 states the engine jacket water contains a corrosion inhibitor. What is the trade name and chemical composition of the inhibitor? Supply an MSD sheet for this chemical.
- 3. Section 4 states the sump of the cooling tower is used to collect rain water runoff and excess run off is pumped to an unlined pit. During the April, 1988 visit water leaking from the cooling jacket pumps was seen moving into the cooling tower basin. Chemical analysis of cooling jacket water indicates chromium and benzene at or exceeding water quality standards. Oil from leaks at the compressors was seen mixing with this water. Water and oil will not be allowed to be drained on the ground or be disposed of in an unlined pit. Submit a plan for containment and proper disposal of any process water, washwater and oil that could migrate to and collect in the cooling tower sump.

Mr. Donald Judd February 9, 1989 Page 2

4. Section 6 states wash water from the amine and process skids is discharged to grade. This wastewater contains hydrocarbons and soaps. Submit a plan, with a completion timetable, to contain and collect this water for disposal. You state "Red Powder" dry detergent is used for cleaning the process skid. What is its chemical composition? Supply the MSD sheet for this detergent.

This section also states the wash water from the compressors is collected in a sump below the compressor building and transferred to a skimmer pit. Are the sump and skimmer pit equipped with leak detection? If not, how is the integrity of these units verified?

- 5. Engine room compressor pads must have sufficient curbing to contain oil seepage from normal operation and water from the washing operation. Submit a construction plan and timetable for installation of such curbing.
- 6. Submit a plan and timetable for installation of a collection/containment system for oil leaking from the oil transfer pumps.

II. SPILL/LEAK DETECTION AND HOUSEKEEPING

- 1. Section 1 describes the actions to be taken in the event of a leak or rupture of plant tanks. Are all the tanks that contain fluids, other than fresh water, bermed to contain one-third more than their storage capacities? If not, submit a plan, with completion timetable, for construction of containment facilities. The bermed areas shall be large enough to hold one third more than the largest vessel or one third more than the total volume of all interconnected tanks contained within the berm. A clean-up plan of allowing the fluid to evaporate and/or seep in the ground will not be acceptable.
- 2. Section 2 states "rain water is rain water..." and you plan to continue pumping the water from the cooling tower basin to the unlined pit. As stated previously in this letter, because of the chemical constituents dissolved in the water flowing to the sump, unlined pit disposal of any fluids that have reached the cooling tower basin from process areas will not be allowed.
- 3. Section 3 states leaks from any underground piping would be immediately noticed as a seep. It is a discharge plan requirement that all underground piping be tested in plants in excess of 25 years of age. If the Denton Plant was constructed more than 25 years ago, submit a positive testing plan with a schematic showing all underground piping and a completion timetable.

Mr. Donald Judd February 9, 1989 Page 3

4. The area surrounding the oil/water separator shows evidence of overflows and spills. Submit a timetable for cleanup of the site.

MISCELLANEOUS

- 1. Is there an SPCC plan in effect at this plant? If so, please provide a copy for exclusion in the file.
- 2. Provide a list of all chemicals used or stored at the facility and a copy of the MSD sheet for each.
- 3. Where and how do you dispose of solid wastes (i.e. filter media sludges, trash, filter elements, etc.)?
- 4. Are all storage areas for drummed chemicals equipped with impermeable pads and spill containment? If not, what action will be taken to prevent any spills or leaks.
- 5. Submit a map showing the gas plant property boundary and identify the owners of record of all property surrounding the facility.
- 6. Based on the analysis of the fluids in the unlined pond and its adjacent field, future use of these facilities can provide a hydrostatic head that will allow seepage of contaminants. Prepare and submit for approval a closure plan for the pond and field that includes the removing of fluids and sludges, drying and mounding to prevent future ponding.
- 7. Prepare and submit for approval a plan to prevent any runoff that can come in contact with any potential contaminant from leaving the plant property or collecting in an unlined facility.

Submission of the information requested will allow the review of the application to continue.

If you have any questions, please call me at (505) 827-5884.

Sincerely.

Roger C. Anderson

Environmental Engineer

RCA/s1

cc: OCD Hobbs Office

E. E. Zernial - Denton



DAVIS GAS PROCESSING, INC.

211 North Colorado MIDLAND, TEXAS 79701-4696

Area Code 915 682-6311 FAX: (915) 682-4024

December 8, 1988

Director, Oil Conservation Division P. O. Box 2088
Sante Fe, New Mexico 87504-2088

RE: Discharge Plan GW-48
J. L. Davis Gas Plant
Lea County, New Mexico

Gentlemen:

Enclosed are three copies of the referenced discharge plan.

If there are any questions, please contact Mr. Don K. Judd. He can be reached at the letterhead address or by telephone after 9 a.m. CST during the business day.

Thank you very much.

J. L. Davis

JLD/rs

cc: E. E. Zernial
Bill Phillips
Don K. Judd

DEC 1 5 1980 IIII

GROUND WATER DISCHARGE PLAN

Denton Plant, Lovington, New Mexico

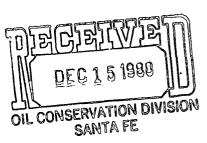
Scope

This Discharge Plan details the nature, extent and quality of all fluids discharged to the surface soil at the Denton Plant; moreover, the subsurface geology and hydrology are depicted. Also, a surface topography map addresses the run-off and drainage flow in relation to the hydrology of the area.

Facility Description

The Denton Plant facility is located in SE/4, Section 2, Township 15S, Range 37E, Lea County, New Mexico.

The facility consists of inlet gas compression, gas treating, gas dehydration, and a cryogenic processing unit. All process cooling is via forced air and all heating is via direct combustion of gas. There is no cooling tower or boiler system. Thus, the major discharge source is produced water, most of which enters with the gas as water of saturation.



DENTON DISCHARGE PLAN

I. General Inforamtion:

A. Name of Discharger: Davis Gas Processing

211 N. Colorado Midland, TX 79701 (915)682-6311

B. Name of Local Contact: E. E. Zernial

Denton Plant Rt. 1, Box 510

Lovington, NM 88260 (505)396-2628 - plant (505)396-4504 - home

C. Location of Discharge:

Denton Gasoline Plant, located in SE/4, Section 2, Township 15S, Range 37E, Lea County, New Mexico. A topographic map and facility site plan are attached.

D. Type of Natural Gas Operation:

The Denton Plant consists of compression, treating, dehydration and natural gas liquids recovery.

Four 1,000 HP compressors are available to boost the low pressure gas to about 850 psig. The gas is treated after the 2nd stage of compression in a 60 GPM DEA (amine) unit to remove CO $_2$ and H $_2$ S. After the DEA treatment, the gas is returned to the compressors for the third stage of compression.

After the inlet scrubber and each stage of compression, condensate and water are separated from the gas stream and discharged to the condensate recovery system.

The high pressure gas, after compression, is dehydrated in a molecular sieve unit and enters the processing equipment. The gas is cooled via heat exchange and supplemental refrigeration and then passes through the expander unit. The expander unit drops the gas pressure to 140 psig which cools the gas to below - 100 F and causes liquid hydrocarbons to drop out.

The residue gas is warmed in the heat exchange equipment and then compressed to 1,000 psig via the fourth stage of the inlet gas compressors. The residue gas is sold to the Gas Company of New Mexico and the liquid products are removed via the Mapco pipeline.

An idle ammonia plant and an idle and inoperative refrigerated gas plant process unit are on the same site.

DENTON DISCHARGE PLAN

E. Affirmation:

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

signature)

(date)

Conceld K. Judd (printed name of person signing) Age 11 title

DKJ/rs/19.2

II Plant Processes

- A. Sources and Quantities of Effluent and Process Fluids
 - Separators (Produced water)
 This is low TDS water with traces of soluble/entrained hydrocarbons. The total annual volume is about 271,000 gallons based on 6 MMCFD inlet gas. This is roughly 750 gallons per day. The produced water rate will be higher in the warmer months and much less in the cold months. The water removed in the dehydration unit is commingled with the produced water in the first stage scrubber. The separator water flows to a 9,000 gallon tank for oil separation and the separated water then flows to a 1,000 barrel storage tank for subsequent truck transport to a SWD well.
 - 2. Boilers
 There are no plant boilers.
 - 3. Engine Cooling Water-Gylcol
 There is no routine discharge from the engine jacket water system. The engine jacket water contains a corrosion inhibitor.
 - There is no cooling tower system. The sump of the original cooling tower is used to collect and hold runoff rain water so as to minimize flooding during rainstorms. The runoff water typically is allowed to evaporate. Runoff water would be expected to contain trace levels of hydrocarbons (hydrocarbons from equipment wash effect). Excess rainwater runoff is pumped to the unlined pit.
 - 5. Sewage
 All sanitary sewage is handled separately from the process/plant waste water and is discharged to an approved septic system.
 - The amine treating unit is washed down with a water hose once per month and the runoff water flows to the soil surface. No detergent is used and it is estimated that about 300 gallons of wash water are used (30 min. X 10 gpm). Less than one gallon of amine solution (pump seal drips, samples, etc.), some wind blown dirt and trace quantities of oil are estimated to be washed off the amine equipment.

The compressors are steam cleaned once per 6 months. The cleaner charge is 250 gallons water plus about 20 lbs. of "Red Power" powder detergent. After steam cleaning, the compressors are hosed down over a 2 hour interval. At 10 gpm, about 1,200 gallons of wash water are used. All wash water is collected in a sump below the compressor building and

transfered first to a concrete 28'x6'x8' (deep) skimmer pit for oil separations. After the sump, the water is pumped to a 210 barrel tank to settle the oil and then is pumped to the 1,000 barrel tank. The wash water will contain minute quantities of lube oil residue in addition to the detergent.

The process skid is steam cleaned at 6 month intervals. The same 250 gallons water/20 lb. "Red Power" dry detergent mix is used as per the compressors. There is no hosedown after cleaning but the detergent is cut off and a 30 minute steam only wash is used to finish the job. It is estimated that 125 gallons water condense and this plus about 15 lbs. detergent wash to the soil surface. Trace quantites of lube oil and hydrocarbons are anticipated to be entrained in the water.

The only plant source of water effluent to the soil surface is the wash water from the amine and process skids.

II. B. Quality Characteristics

1. Attached as Exhibit "G" are the process water analyses obtained by the State of New Mexico Oil Conservation Division. These samples are indicative of the water quality within the plant and are identified for individual reference.

Those analyses tagged by a red asterisk are not discharged on the ground. They are routed to the 1,000 barrel water tank for subsequent removal by a commercial 3rd party hauling company. This aqueous waste is ultimately disposed of in a salt water disposal well (SWD well).

- 2. The toxic pollutants per WQCC Section 3-103 address elements such as Arsenic, Mercury, Selenium, Chrominum, etc., and these pollutants are found only in the process discharge water. This water is collected in the 1,000 barrel storage tank and does not contact the soil surface. Moreover, the concentration of these pollutants are reported as being well below the established toxicity limit for human health standards.
- 3. Toxic pollutants per WQCC 1-101.UU are present in the process discharge. These are primarily benzene and benzene derivatives. There are no halomethanes reported in the process discharge water, but trace levels of halomethanes are reported in the produced well water. This stream is external to the plant; moreover, the source of the halomethanes is unknown as the plant has never used a halomethane refrigerant. The plant refrigerant system is based on propane.
- 4. No insecticides, PCB's or radioactive pollutants were reported.

- 5. No detectable toxic pollutants were reported for the cooling tower basin water. The basin acts mainly as a sump for runoff rainwater. The only source of pollutants would be the rainwater "wash" of the process equipment. An oily sheen was noted for the cooling tower basin water, but again, no detectable level of pollutants were reported.
- 6. The waste water flowrate varies mainly with respect to the inlet gas volume, temperature and pressure. Most of the process waste water is water of saturation although, a small amount enters irregularly as an incoming "slug".

The gas rate is slightly higher in winter months due to demand, but the water content is low. The slightly lower gas rates of the summer months contain the highest quantities of process waste water because of the warm gas temperature. Likewise, more water is condensed in the daylight hours than during the cooler night. Due to the hold time in the system there is no sudden change on a daily basis. The seasonal change is gradual. Thus, except for equipment or well problems there is no sudden fluctuation in the discharge water rate.

II. C. Transfer Storage of Fluids

The Denton Plant flow schematic is attached as Exhibit "A". This drawing contains all relevant details regarding the lines, draws, pots, etc. Exhibit "B" depicts the physical layout.

II. D. Spill/Leak Preventions & Housekeeping

1. a. There is no written contingency plan to address containment and cleanup of a major spill, but the following actions have been understood. If the 1,000 barrel water tank ruptured when full and all contents were lost, the net result would be a "one-time" discharge of non-toxic aqueous fluid. Should any of the process vessels rupture, the net effect would be nil to minimal with respect to the water table.

The light hydrocarbon product storage tank may contain up to 30,000 gallons of high pressure product, but more normally, contains 15,000 to 20,000 gallons maximum. If this tank ruptured the vast majority of the liquids would vaporize. A fire hazard is the prime concern should this tank rupture.

Should this vessel in fact rupture and spill the contents to the soil surface, any badly saturated zone would be dug out and stored for the interim on a plastic tarp. The ultimate disposal would be decided after review of the situation.

- b. If either of the 9,000 gallon condensate/water tanks rupture, any hydrocarbon saturated zone would be dug out, aerated and disposed of in similar fashion to (a.).
- c. If the 1,000 barrel condensate tank developed a leak and the leak was contained prior to drainage of the hydrocarbon layer it is assumed that no remedial action would be taken. If the leak caused the entire tank to drain, thus releasing hydrocarbon condensate, the hydrocarbon saturated soil would be handled as described in (a.).
- d. If the 1,000 barrel disposal tank ruptured no remedial action would be taken. This tank contains basically produced water and a single discharge would not likely be serious. The unlined pond would be used until the leak were repaired or the tank replaced. It is estimated that repair or replacement would require no more than 5 to 10 days.
- 2. The rainwater runoff that is collected in the cooling tower basin is partially evaporated, then pumped to the unlined pit. This same practice is anticipated for future operations-rainwater is rainwater and all the CT basin does is prevent flooding of the plant yard and highway 82.
- 3. All underground piping is no more than 6 to 12 inches below grade. It is buried mainly to facilitate vehicle and personnel traffic, and is in regularly travelled areas. Any leak would be immediately noticed as a seep. If a leak was detected, the line would be dug out and the bad section replaced.
- 4. Injection Well: A commercial injection well is used. The produced water is hauled by Fannie Lee Mitchell, Inc., Lovington, N.M. and is injected into a SWV well under the operational control of others. The Denton Plant is not involved with the water after acceptance by Fannie Lee Mitchell, Inc.

III. Effluent Disposal

- A. Existing Operations:
- 1. On-site Facilities
- a. The produced water is the only continual source of discharge at the Denton Plant. The inlet scrubber normally collects only a minor quality of water from the gathering system and process dehydrator scrubber. The second and third stage compressor section scrubbers likewise collect only a small quantity of condensed water. Each of the preceding water sources enters the main dump line in sequence and flows

to the 9,000 gallon separation tank. The third stage discharge scrubber collects the largest quantity of water. This source has a separate line to the 9,000 gallon tank.

The lines are all above grade.

The compressor room wash water, and any process fluid or jacket water spilled when equipment is opened, drains to the sump below the engine room.

The wash water from the other process unit drains to the soil surface.

The waste engine and compressor oils are collected in drums. This is done on the floor over the engine room pit, hence any drips would go to the skinner pit and tanks. No waste oil would go to the soil surface.

Engine jacket water leaks would likewise go to the engine room pit and not contact the soil surface.

Minor amine leaks and drips resulting from filter change-outs may eventually wash to the soil surface if not wiped up following the change out.

- 1. The only surface impoundment area was the unlined waste water evaporation pit. This was shut down approximately November 1, 1988 and replaced by the 1,000 barrel tank.
- 2. There is no leach field other than an approved septic tank system.
- 3. There are no injection wells on site.
- 4. There are no drying beds or flare pits.
- 5. There are no other on-site disposal areas.
- (b) 1. Due to the combination of containment of the process water and very low quantity of other liquids entering the soil surface, no preventative measures are scheduled other than good housekeeping.
- 2. There are numerous sample points available in the system via conventional valves. There is no direct measurement. A reasonably accurate measurement can be caculated via timing the rise of liquid level in the various scrubbers. When the vessels are blocked in an overall estimation can be obtained from the temperature/pressure of the inlet gas and various scrubbers; only the inlet entrained water is unmeasurable via this method.
- 3. No monitoring systems exists. Again, the discharge volume is contained and any fluid discharge to the soil surface will be minimized.

DKJ/rs/32.4

III. A. 2. Off-site Disposal

The discharge water is hauled off in trucks by Fannie Lee Mitchell, Inc. for disposal in a SWD well. The receiving facility is unknown.

III. B. Proposed Modifications

- 1. N/A
- 2. No action is proposed for the existing pits. They will not be used in the future except for occasional transfer of the rainwater runoff from the cooling tower basin.

IV Site Characteristics:

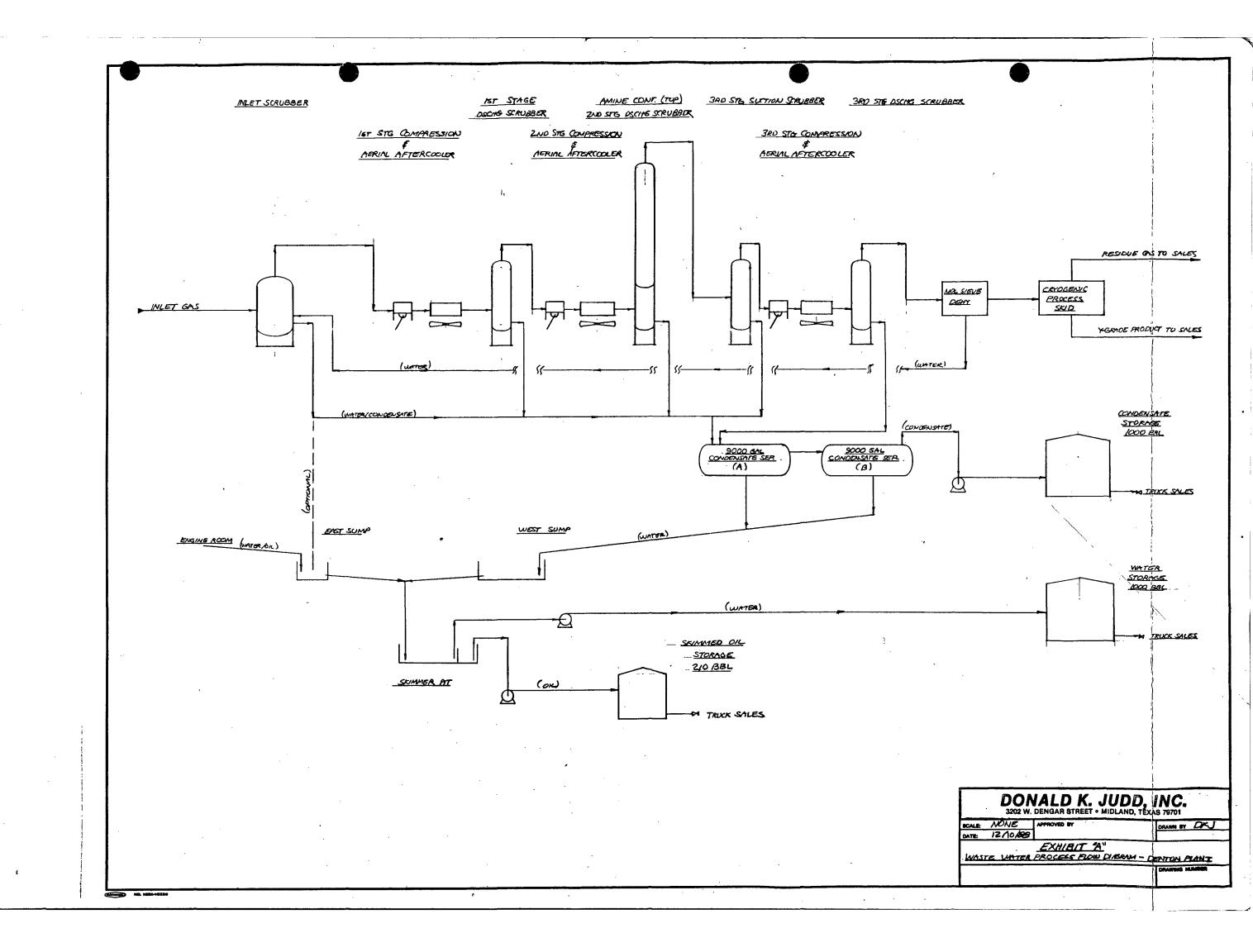
- A. Hydrologic features
 - 1. a. There are no water courses or active bodies of water within one mile of the outside plant perimeter.
 - b. There are two wells within a one mile radius of the outside plant perimeter plus two wells within the plant boundaries. Thus, four water wells are within the stipulated area.
 - c. Exhibit "C" depicts the area within one mile of the plant. This Exhibit "C" was extracted from the USGS topographical map of the area and indicates the two external wells.
 - d. The geographical location, ownership and end use of the water for each well is tabulated on Exhibit "C".
 - 2. a. The depth to the ground water table is approximately 40 feet to the top sand and 105 feet to the main sand. The water table is the "To" aquifer of the Ogallala. This information is a composite of the plant well report L-610-AS plus the USGA Hydrologic Investigation Atlases HA-330 and HA-62.
 - b. The TDS ranges 610 to 1600 mgl
 - c. Exhibit "D" contains recent well water analyses.
 - 3. The groundwater flow is to the ESE. The groundwater flow direction is at a right angle to the base groundwater gradient. This gradient was obtained from the contours on the USGS Hydrologic Investigation Atlases HA-330 aND HA-62.
 - 1. The soil structure in the area of the plantsite consists of about 1 to 2 feet of topsoil (sandy loan) followed by a layer of caliche that is 15-20 feet thick. Below the

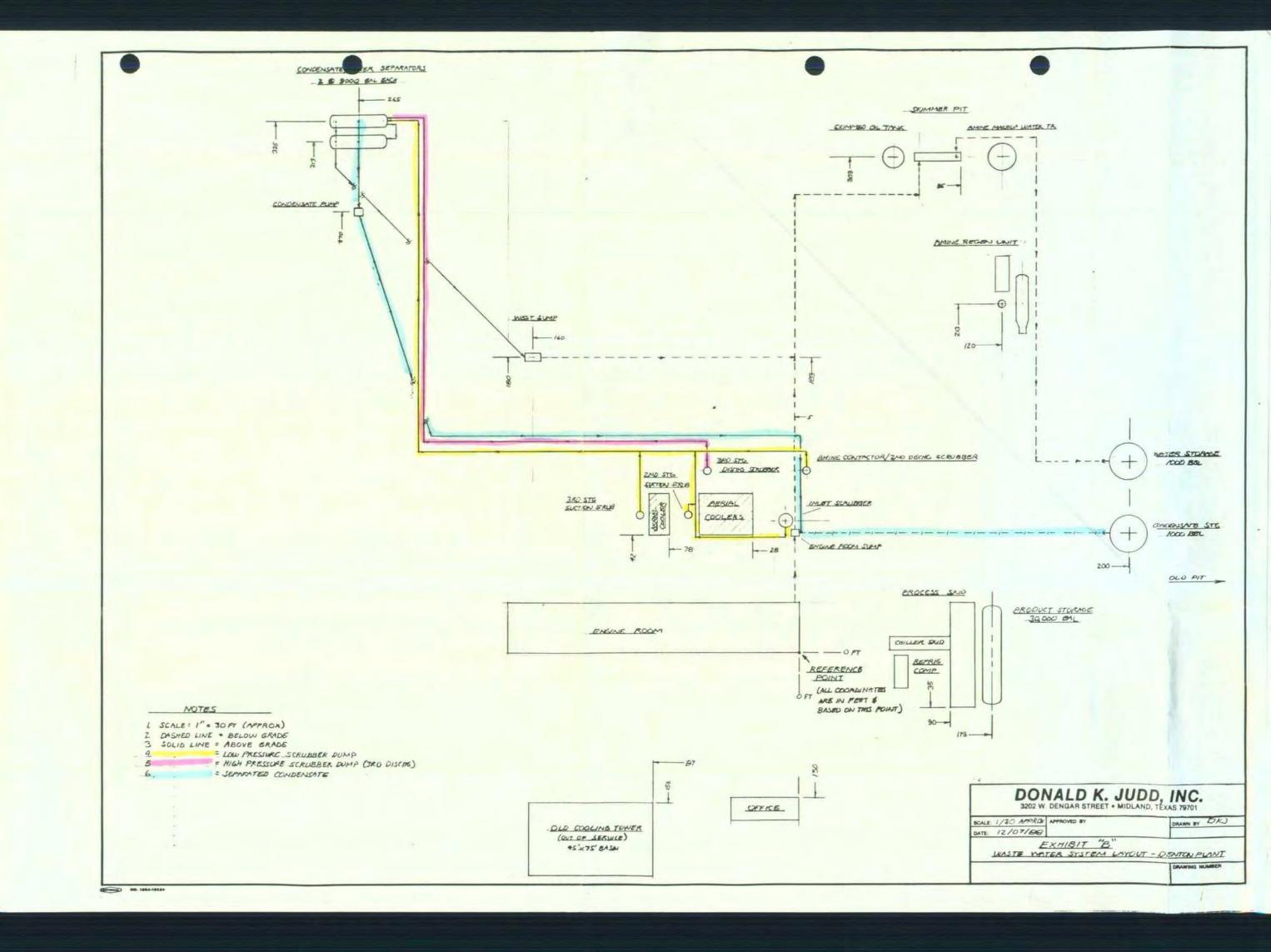
caliche is a water bearing a zone of unconsolidated sedimentary sand cemented somewhat by lime or caliche. An irregular layer of limestone (not impervious) caps the main Ogallala formation which consists primarily of coarse sand and gravel. At the bottom of the Ogallala is the impervious "red bed" structure.

- 2. The acquifer is the "To" acquifer of the Ogallala formations.
- 3. The acquifer represents sections of the Pliocene, Tertiary and Cenozoic Ages. It consists of irregularly-bedded sand, grit and local gravel conglomerate cemented by lime or caliche and local beds of sand, clay and limestone. It may include some redeposited material from the underlying Cretaceous and Triassic ages.
- 4. The depth to rock at the base of the alluvium is approximately 200 feet for the overall area. This was determined as the difference between the approximate 3800 feet elevation of the soil surface (USGS Topographical Map) and the 3600 feet elevation for the base of the Ogallala (USGS Atlas HA-330).

C. Flood Protection

- 1. A major rainfall can cause localized flooding which could involve highway 82.
- 2. The old cooling tower basin will intercept much of the rainwater and prevent flooding of highway 82 in all but the worse storms.





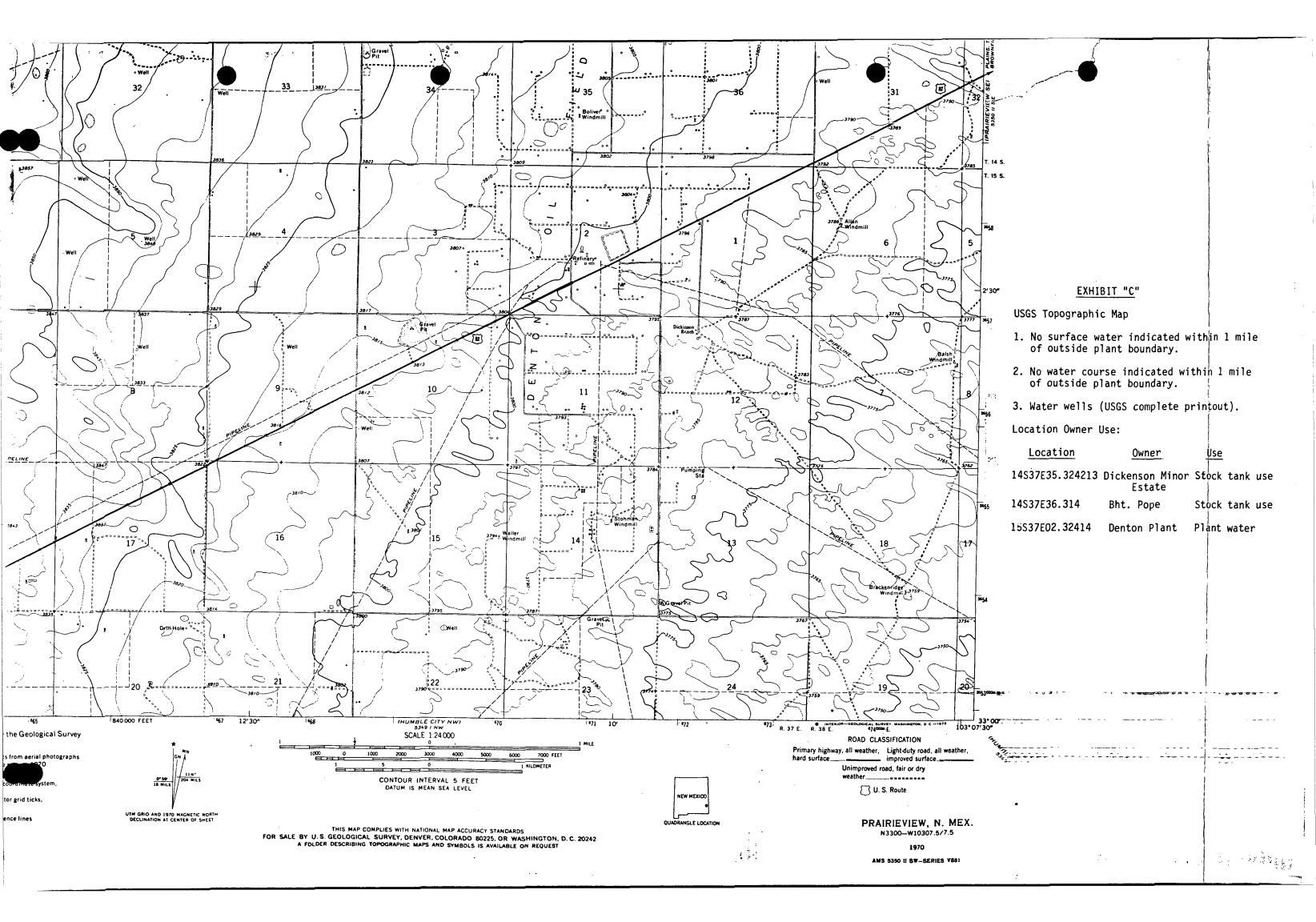


EXHIBIT "D"
WELL WATER ANALYSES



New Mexico Health and Environment Department SCIENTIFIC LABORATO DIVISION 700 Camino de Salud Na Albuquerque, NM 87106 — (505) 841-2555

DATE RECEIVED	11908	a WC-67/	USER 5930	o □ 59600 XX	OTHER: 82	235	
Signion part 14	F ZINOIN	SITE	Sample location	0 2 3500 <u>2</u>	, ,		Lorenton
Collection TIME		INFORM- P	19/	67 12 (JOS)	1777°C23	stry.	proseques,
Collected by Pegson	/Agency	(000)	Collection size description	East Wal	es lup	PD	,
	rye /se	ay 10CD	L		7		
	ENVIDONMENT	TAL DUDEAU	· 			 	
SEND	ENVIRONMEN	SERVATION DI	VISION				
FINAL REPORT	State Land	Office Bldg	, PO Box 208	8			
TO	Santa Fe,	NM 87504-208	18				
Attr	n:David_Bo	yer					
Pho	one: 827-58	212			Station/ well code		
SAMPLING CO		216			Owner		
☐ Bailed	X Pump	Water level	Control of the Contro	Discharge	<u> </u>	Sample typ	09 /
☐ Dipped	∂ (Tap						GRAR
pH (00400)		Conductivity (Unco		Water Temp. (00010)	B-5°C	Conductivi	ty at 25°C (00094) µmho
Field comments	1 - 11 -		1 1		0 0 0	L	μππο
	pepe	7 WELX	, Wilk	nepump	<u> </u>		
ļ 	υ 						~~~~~
SAMPLE FIEL	D TREATMEN	T — Check prope	er boxes				
No. of samples			☐ F: Filtered in	field with A.	2 ml H₂SO₄/	Laddad	
submitted	1	(Non-filtered)		mbrane filter	2 1111 112304/	L added	· <u> </u>
NA: No a	cid added 🗆 (Other- <i>specify:</i>	□A:	5ml conc. HNO ₃ ac	dded 🗆	A: 4ml	fuming HNO ₃ added
ANALYTICAL	RESULTS from	SAMPLES			<u> </u>	············	
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25 0 (00035)	,		umno	Calcium	120	mg/1	5/16
Total non-filte residue (susp						7	5/10
(00530)	1 11	441	mg/l	Potassium _		<u>4</u> mg/1	
Other:	6 pt/		-504	_ Magnesium _	<u> </u>		
☐ Other:	•			Sodium		17 mg/1	
				☐ Bicarbonate		7	534
A-H ₂ SO ₄				Chloride _	268	mg/1	5/20
☐ Nitrate-N+,1 total (00630)	Nitrate-N		mg/l	Sulfate	12/	mg/1	
☐ Ammonia-N t			mg/l	- 1 Total Solid	is <u>88</u>	<u> /_</u> mg/1	sko
Total Kjeldahi	I -N		mg/l	16			
☐ Chemical oxy							
demand (003 ☐ Total organic		·	mg/l	- <u>U</u>			
()			mg/l	Cation/A	nion Ba	lance	
C Other:				Analyst	Date R	ported	Reviewed by
				-	5	2788	
Laboratory remai	rks						
		***************************************			······································	***************************************	
FOR OCD US	SE Date (Wner Notifie	ed	Phone or Lett	er?	Ir	itals

	CATIONS	,	DET.		ANIONS		DET.
ANALYT	E MEQ.	PPM	LIMIT	ANALYTI	E MEQ.	PPM	LIMIT
Ca Mg Na K	5.99 2.51 5.09 0.10	120.00 30.50 117.00 4.00	<3.0 <0.3 <10.0 <0.3	HC03 SO4 CL	3.90 2.52 7.56	238.00 121.00 268.00	<1.0 <10.0 <5.0
Mn Fe	0.00	0.00		NO3 CO3 NH3 PO4	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	< 0. < 1. < 0. < 0.
SUMS	13.68	271.50			13.98	627.00	
	Dissolved lance =	Solids= 97.88%	884		C No.	= 1 27 T	

54.7



New Mexico Health acri. Environment Department SCIENTIFIC LABOR AND TY DIVISION 700 Camino de Salud NE Albuquerque, NM 87106 — (505) 841-2555

FOR OCD USE -- Date Owner Notified___

ENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

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		USER 5930	o □ 59600 🖎	THER: 82	235 _	
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ENVIRONME	NTAL BUREAU	re ton			ulssil	Le punt
SEND NM OIL CO	NSERVATION DIVI nd Office Bldg.	- BU-BUX - SUB 12104	8 .	\ <u></u>		
Santa Fe	NM 87504-2088	TO BOX: EGG	•			
Attn: <u>David</u>	· ·					
Aut	M			Station/		
Phone: 827-	5812	•		well code	·	
SAMPLING CONDITIONS				Owner		
☐ Bailed	Water level		Discharge		Sample type	rab
pH (00400)	Conductivity (Uncorn	ected) // µmho	Water Temp. (00010)) /) ·c	Conductivity at	25°C (00094) µmh
Field comments	1112	μιιιιο	<u> </u>	200		μιτιν
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AMBLE CIEL O TOEATME	NT Chack arrange	house				
No. of samples			field with			
submitted /	NF: Whole sample (Non-filtered)		mbrane filter	mlH₂SO₄/	L added	
NA: No acid added	Other-specify:	□A:	5ml conc. HNO, ad	lded 🗆	A: 4ml fum	ing HNO, adde
<u> </u>					· · · · · · · · · · · · · · · · · · ·	
NALYTICAL RESULTS for		nits Date analyze	1			
Conductivity (Corrected)			From WE.	NA Sample	:: A	Da te nalyzed
25°C (00095)	2127 µm	nho <u>5/23</u>	-		2	
☐ Total non-filterable			⊠Calcium	20	<u>4_mg/1</u>	5/16_
residue (suspended)		- 14	Potassium		4 mg/1	5/10
× (00530) × Other: Lab 10 # =	7,89 ™	5DH	Magnesium _	-71	, 6 mg/1	5/16
C Other:			1/= "			7
C Other:			Sodium	15		5/24
A-H ₂ SO ₄			Bicarbonate		mg/1	
☐ Nitrate-N +, Nitrate-N			Chloride _	66.		5/20
total (00630)	m	ng/l	Sulfate	11/	mg/1	<u>"</u>
Ammonia-N total (00610)		ng/l	- Total Solid	s <u>/6/</u>	<u>Omg/1</u>	5/10
C Total Kjeldahl-N	m	ng/l	1			
☐ Chemical oxygen						
demand (00340) Total organic carbon	m	ng/l	- U			
() —	m	ng/l	Cation/A	nion Ba	lance	
C Other:			Analyst			newed by
□ Other:			-	3 -		2
Laboratory remarks					* 1 * 1 * 1	
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Phone or Letter?

Initals

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Ca Mg Na K	10.18 3.01 8.18 0.10	204.00 36.60 188.00 4.00	<3.0 <0.3 <10.0 <0.3	HC03 SO4 CL	3.67 2.38 18.62	224.00 114.00 660.00	<1.0 <10.0 <5.0
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88-0489 C CIENTIFIC LABORATORY DIVISION 700 Camino de Salud NE Albuquerque, NM 87106 841-2570



N.M. 011 Conservation Division P. O. Box 2088 Somta Fe, N.W. 87504-2088 PRIORITY 3 PHONE(5): 327-5812 USER CODE: 3 2 3 5 SUBMITTER: David Boyer CODE: 2 5 0 SAMPLE COLLECTION CODE: (YYMMDDHRMMIII) B 0 1 1 2 1 2 2 3 5 SAMPLE COLLECTION CODE: (YYMMDDHRMMIII) B 0 1 1 2 1 3 2 3 5 SAMPLE TYPE: WATER SOIL FOOD OTHER: COUNTY: CODE: Country CODE:	REPORT TO:	David Boyer	S.L.D. No. OR-	489 A4B
P. O. BOX 2088 Schaffer, N.H. 87504-2088 PRIORITY 327-5812 USER CODE: 2 2 3 5 David Boyer CODE: 2 6 0 SAMPLE COLLECTION CODE: (YYMMDDHEMMIN)				4-19-88
PHONE(S): 327-5812 USER CODE: [2 2 3 5] SUBMITTER: David Boyer CODE: [2 6 0] SAMPLE COLLECTION CODE: (YYMMDDHEMMIII)		P. O. Box 2088		
PHONE(s): S27-5812 USER CODE: 2 6 0 SAMPLE COLLECTION CODE: (YYAMADDHRMMIII)		Santa Fe, N.M. 87504-2088	PRIORITY	3
SUBMITTER: SAMPLE COLLECTION CODE: (YYMMDDHHMMIII)	PHONE(S):	327-5812		2 3 5
SAMPLE TYPE: WATER SOIL FOOD OTHER: CODE: COUNTY:	` •	David Boyer		
SAMPLE TYPE: WATER SOIL FOOD OTHER: CODE: COUNTY:	SAMPLE COLLE	CTION CODE: (YYMMDDHHMMIII) 181810	14/1/12/0	27/2/2
COUNTY:				
ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens required. PURGEABLE SCREENS (753) Aliphatic Purgeables (1-3 Carbons) (754) Aromatic & Halogenated Purgeables (755) Aliphatic Hydrocarbons (756) Tribal Aliphatic Hydrocarbons (756) Tribal Aliphatic Hydrocarbons (756) Tribal Aliphatic Hydrocarbons (758) Harbiddes, Chiartatables Other Specific Compounds or Classes (758) Harbiddes, Chiartatables (758) Harbiddes, Chiartatables (758) Tribalomethanes (758) Tribalomethanes (758) Harbiddes, Chiartatables (759) Tripalophosphate Pesticides (751) Organophosphate Pesticides (752) SDWA Pesticides & Herbicides (751) Organophosphate Pesticides (752) SDWA Pesticides & Herbicides (753) Aliphatic Hydrocarbons (754) Polymuclear Aromatic Hydrocarbons (752) SDWA Pesticides & Herbicides (753) Davidear Aromatic Hydrocarbons (752) SDWA Pesticides & Herbicides (753) Davidear Aromatic Hydrocarbons (752) SDWA Pesticides & Herbicides (753) Davidear Aromatic Hydrocarbons (754) Polymuclear Aromatic Hydrocarbons (752) SDWA Pesticides (754) Polymuclear Aromatic Hydrocarbons (752) SDWA Pesticides Pesticides (754) Polymuclear Aromatic Hydrocarbons (752) SDWA Pesticides (753) Davidear Aromatic Hydrocarbons (754) Polymuclear Aromatic Hydrocarbons (754) Polymuclear Aromatic Hydrocarbons (754) Polymuclear Aromatic Hydrocarbons (752) SDWA Pesticides (753) Davidear Aromatic Hydrocarbons (754) Polymuclear Aromatic Hydrocarbons (755) SDWA Pesticides (755) Polymuclear Aromatic Hydrocarbons (754) Polymuclear Aromatic Hydrocarbons (755) Davidear Aromatic Hydrocarbons (756) Polymuclear Aromatic Hydrocarbons (757) Polymuclear Aromatic Hydrocarbons (758) Polymuclear Aromatic Hydrocarbons (759) SDWA Pesticides (750) Polymuclear Aromatic Hydrocarbons (751) Polymuclear Aromatic Hydrocarbons (752) SDWA Pestic	4	•	eton code:	
required. Whenever possible list specific compounds suspected or required. PURCEABLE SCREENS	LOCATION COD	E: (Township-Range-Section-Tracts) 1155	3171E+02+31	2 2 (10N06E24342)
PINGEABLE SCREENS CATACATALE SCREENS CATACATACATACATACATACATACATACATACATACAT	· ANALYSES REQ	UESTED: Please check the appropriate box(es) bel	ow to indicate the type of ana	lytical screens
(753) Aliphatic Purgeables (1-3 Carbona) (754) Aromatic & Hologenated Purgeables (760) Organochlorine Pesticides (768) Trihalomethanes (758) Harbicides, Chlorophenoxy scid (758) Harbicides, Chlorophenoxy scid (759) Harbicides, Chlorophenoxy scid (759) Harbicides, Chlorophenoxy scid (761) Organochlorine Pesticides (761) Organochlorine (761) Organochlorine (761) Organochlorine (761) Organochlorine (761) Organochlorine	•	•		pring
(754) Aromatic & Halogenated Purgeables				
(785) Mass Spectrometer Purgenbles				
(766) Trihalomethanes				
Other Specific Compounds or Classes (759) Herbicides, Triazines (761) Organochlorine Pesticides (761) Organochlorine Pesticides (761) Organochlorine Pesticides (762) Organochlorine Pesticides (763) Organochlorine Pesticides (764) Polyculciar Aromatic Hydrocarbons (762) SDWA Pesticides & Herbicides & Herbicides (762) SDWA Pesticides (762) SDWA				
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(767) Polychlorinated Biphenyls (PCB's) (764) Polynuclase Aromatic Hydrocarbons (762) SDWA Pesticides & Herbicides Remarks:			(760) Organochlorine Pesi	ticides
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FIELD DATA: pH=; Conductivity=	<u> </u>		(762) SDWA Pesticides	k Herbicides
Dissolved Oxygen=mg/l; Alkalinity=mg/l; Flow Rate	Remarks:			
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Dissolved Oxygen= mg/l; Alkalinity= mg/l; Flow Rate Depth to water	·	inductivity= 1180umho/cm at 18-5°C; Chlori	ne Residual=mg/l	
Sampling Location, Methods and Remarks (i.e. odors, etc.) Cart Cart				
I certify that the results in this block, accurately reflect the results of my field analyses, observations and activities (signature collector): This form accompanies Septum Viais, Slass Jugs, and/or Samples were preserved as follows: NP: NP: No Preservation; Sample stored at room temperature. P-lce Sample stored in an ice bath (Not Frosen). P-Na S O Sample Preserved with Sodium Thiosulfate to remove chlorine residual CHIAIN OF CUSTODY I certify that this sample was transferred from at (location) on and that Signatures Signatures	Depth to water	ft.; Depth of wellft.; Perforation II	ntervalR.; Casing:	
I certify that the results in this block, accurately reflect the results of my field analyses, observations and activities (signature collector): This form accompanies 2 Septum Visls, Glass Jugs, and/or Samples were preserved as follows: NP: No Preservation; Sample stored at room temperature. P-Ice Sample stored in an ice bath (Not Frosen). P-Na S O Sample Preserved with Sodium Thiosulfate to remove chlorine residual JIM 6 1938 I certify that this sample was transferred from to OIL CONSERVATION DIVISION at (location) at (location) on specific analyses, observations and Method 2of Shipment to the Lab: Method 2of Shipment to the Lab: OIL CONSERVATION DIVISION SPANTATE and that Signatures	Sampling Location	n, Methods and Remarks (i.e. odors, etc.)		0/0
I certify that the results in this block, accurately reflect the results of my field analyses, observations and activities (signature collector): This form accompanies 2 Septum Visls, Glass Jugs, and/or Samples were preserved as follows: NP: No Preservation; Sample stored at room temperature. P-Ice Sample stored in an ice bath (Not Frosen). P-Na S O Sample Preserved with Sodium Thiosulfate to remove chlorine residual JIM 6 1938 I certify that this sample was transferred from to OIL CONSERVATION DIVISION at (location) at (location) on specific analyses, observations and Method 2of Shipment to the Lab: Method 2of Shipment to the Lab: OIL CONSERVATION DIVISION SPANTATE and that Signatures	Davis	Got Procest inp - East	wales well	(delp)
Activities (signature collector): This form accompanies Septum Vials, Glass Jugs, and/or Samples were preserved as follows: NP: No Preservation; Sample stored at room temperature. P-Ice Sample stored in an ice bath (Not Frosen). P-Na S O Sample Preserved with Sodium Thiosulfate to remove chlorine residual. CHAIN OP CUSTODY I certify that this sample was transferred from at (location) on should Conservation to the Lab: Sall Conservation to the Lab: Sall Conservation on the statements in this block are correct. Evidentiary Seals: Not Sealed Seals Intact: Yes No Signatures			· · · · · · · · · · · · · · · · · · ·	
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P-Na S O Sample Preserved with Sodium Thiosulfate to remove chlorine residual CHAIN OF CUSTODY I certify that this sample was transferred from to OIL CONSERVATION DIVISION at (location) on and that the statements in this block are correct. Evidentiary Seals: Not Sealed Seals Intact: Yes No Signatures	·	•		2 4000
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	the statements in	this block are correct. Evidentiary Seals: Not Se	aled Seals Intact: Yes	й П ом <u>П</u>
For OCD Use: Date Owner Notified Phone or Letter? Initials	Signatures			
	For OCD 116	se: Date Owner Notified	Phone or Letter?	Initials

1FIC LABORATORY DISSION = 700 Camino de Salud NE .ouquerque, NM 87106 841-2570



REPORT TO:	David Boyer	S.L.D. No. OR- 491 ATB
{	N.M. Oil Conservation Division	DATE REC. 4-19-88
	P. 0. Box 2088	DATE REC.
	Santa Fe, N.M. 87504-2088	PRIORITY 3
PHONE(S):	927-5812 USE	R CODE: 18 12 12 13 15
SUBMITTER:	David Boyer	CODE: 12 16 10 1
1	CTION CODE: (YYMMDDHRMMIII) 181810141/1	4111252418
SAMPLE TYPE:	WATER , SOIL , FOOD , OTHER:	_ CODE: _
Y COUNTY: Y	10 Wollism; start: 148	CODE:
ł.	E: (Township-Range-Section-Tracts) 1/15/5+3/7/	
	UESTED: Please check the appropriate box(es) below to indic er possible list specific compounds suspected or required.	ate the type of analytical screens
1 '		XTRACTABLE SCREENS
	<u> </u>) Aliphatic Hydrocarbons
		Organochlorine Pesticides
(766) Trihalo		Base/Neutral Extractables Herbicides, Chlorophenoxy acid
, · · ·		Herbicides, Triagines
	· · · · · · · · · · · · · · · · · · ·	Organochlorine Pesticides
		Organophosphate Pesticides
	<u> </u>	Polychlorinated Biphenyls (PCB's)
	(764)	Polynuclear Aromatic Hydrocarbons
	[762]	SDWA Pesticides & Herbicides
Remarks:		
		
PIELD DATA:	1054) > > 0	
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	=mg/l; Alkalinity=mg/l; Flow Rate	
	ft.; Depth of wellft.; Perforation Interval	R.; Casing:
1 (n, Methods and Remarks (i.e. pdors, etc.)	To 11.00
- warrs	Gos Processing - West W	all well
(5)	, , ,	pump)
activities.(signatur	e results in this block accurately reflect the results of my fie	d of Shipment to the Lab: State Car
	panies Septum Vials, Glass Jugs, and/or	
Samples were pre	served as follows:	
□ NP:	No Preservation; Sample stored at room temperature.	CECESTORISM.
P-Ice	Sample stored in an ice bath (Not Frozen).	- INI 웨더크웨니VV 프린테
P-Na ₂ S ₂ O ₃	Sample Preserved with Sodium Thiosulfate to remove chlorin	e residual.
CILAIN OF CUS		898t 8 Hill
	s sample was transferred from	to THE CONCLOSION OF SHANN
at (location)	on	OH CONSERVATION THE SHOPE
	this block are correct. Evidentiary Seals: Not Sealed S	Seals Intact: Yes Mo
Signatures		4

EXHIBIT "E"
PROCESS WATER ANALYSES



New Mexico Health and ironment Department SCIENTIFIC LABORATORY DIVISION 700 Camino de Salud NE Albuquerque, NM 87106 — (505) 841-2555

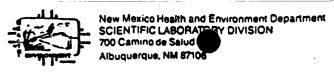
GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

. P. 12

DATE RECEIVED 4	////// h	AB UM-1269	USER 59300	D 59600 /XX	OTHER: 82	235
88184114	H	SITE INFORM. >	Sample location \a		Prod	effing-larengte
Collection SIME 5		ATION	Coffection site description			12 500 1
	Agency Ken	/ /OCD		Discharg	e jou	be from East
	(7		V	pi	1 to fulk
45	ENVIRONMEN	ŤAL BUREAU SERVATION DIV	ITSTON			
SEND FINAL	State Land	Office Bidg,	, PO Box 208	8		
REPORT TO	Santa Fe,	NM 87504-208	8			
Attn	:David_Bo	yer		*******************		
Pho	ne: 827-58	212			Station/ well code	
SAMPLING CO		,,,,			Owner	
☐ Bailed	□ Pump	Water level		Discharge		Sample type /
Dipped	□ Tap			<u></u>		GRAC
pH (00400)	_	Conductivity (Unco	260 µmho	Water Temp. (00010)	19 °C	Conductivity at 25°C (00094) µmho
Field comments	où a	nite	100 lo 2			
		21 g 22 (3)	0	***************************************		***************************************

		T — Check prope		C-11		
No. of samples submitted) ENI	F: Whole sample (Non-filtered)	□ F: Filtered in 0.45 μmer	mbrane filter	? ml H₂SO₄/	L added
NA: No ac	id added 🗆 C	Other- <i>specify:</i>	□ A:	5ml conc. HNO3 ad	lded 🗖	A: 4ml fuming HNO ₃ added
ANALYTICAL	RESULTS from	n SAMPLES	· · · · · · · · · · · · · · · · · · ·			
NA NA		The state of the s	Units Date analyze	From NS.	NA Sample	: Date
Conductivity (25°C (00095)	Corrected)	1020	(mho <u>5/23</u>			Analyzed
☐ Total non-filter	abla			Calcium	90	mg/1, 5/16
residue (susp				Potassium		4 mg/1 5/10
(00530) COther:	$\rightarrow \infty \mathcal{H} =$	7.41	mg/1	Magnesium _	19	.5 mg/1 5/16
☐ Other:				Sodium		91 mg/1 5/10
☐ Other:				Bicarbonate	12	4 mg/1 5/24
A-H ₂ SO ₄				Chloride _		09 mg/1 9/18
□ Nitrate-N+, N total (00630)	itrate-N		mg/l	Sulfate		1,2mg/1 <1/8
Ammonia-N to	otal (00610)		mg/l	Total Solid		- · ·
☐ Total Kjeldahl-	N		mg/l			
☐ Chemical oxy				17		
demand (0034 ☐ Total organic of			mg/l			
()	-		mg/l	Cation/A	nion Ba	lance
☐ Other: ☐ Other:				Analyst		eported Reviewed by
Laboratory remark	·			1	لأكا	988 9
	····			***************************************		······································
***************************************				***************************************		***************************************
FOR OCD US	E Date C	wner Notifie	 d	Phone or Lette	er?	Initals

	CATIONS	•	D.D.M.		ANIONS	}	
7.37.7.XW	E MEQ.	PPM	DET.	ÅNALYTI	E MEQ.	PPM	DET. LIMIT
35 25 26 36	4.49 1.60 3.96 0.10	90.00 19.50 91.00 4.00	<3.0 <0.3 <10.0	HC03 SO4 CL	2.85 1.48 5.90	174.00 71.20 209.00	<1.0 <10.0 <5.0
301. Da	0.00 0.00	0.00		NO3 CO3 NH3 PO4	0.00 0.00 0.00	0.00 0.00 0.00 0.00	< 0. < 1. < 0. < ?
SULT	10.25	204.50	!		10.23	454.20	
	Dissolved lance =	Solids= 99.24%	722	WC Date c	C No. out/By	= 8801269 S/2 7	-



HEAV METAL ANALYSIS FORM Telephone: (505)841-2553

Date Use	
Received 4/9 No. 4CF 19 Cod	
COLLECTION DATE & TIME: YY mm dd ht	collection site description
COLLECTED BY:	
COMMECTED BY:	East Pitto Sull
	East Fillo Helf
TO:	OWNER:
	· · · · · · · · · · · · · · · · · · ·
ENVIRONMENTAL BUREAU	SITE LOCATION:
NM OIL CONSERVATION DIVISION	County:
State Land Office Bldg., PO Box 2	
SANTA FE, NM 87504-2088	Township, Range, Section, Tract: (10N06E24342)
()5	1/15/5+317/5+012+41/1/1
ATTN: David Boy	
TELEPHONE: 827-581# STAT	PION/ WELL CODE:
_	
LATITUDE, LOS	GITUDE: -
SAMPLING CONDITIONS:	
Bailed Pump Water Level	7 1 7
OK Dipped Tap	- brat-
pH(00400) Conductivity(Uncorr.) Wat	ter Temp. (00010) Conductivity at 25°C
- 860 µmho	19 °c (00094)
BYPED COMPONING	
FIELD COMMENTS: oil on pit Su	reface
	
SAMPLE FIELD TREATMENT	LAB ANALYSIS REQUESTED:
Check proper boxes:	IND ARADISIS REQUESTED:
WPN: Water WPF: Water	ICAP Scan
Preserved w/HNO, Preserved w/HNO,	Mark box next to metal if AA
Non-Filtered Filtered	is required.
	ESULTS (MG/L)
ELEMENT ICAP VALUE AA VALUE	ELEMENT ICAP VALUE AA VALUE
Aluminum 47.	Silicon 14.
Barium 40.1	Silver 4.1
Beryllium 40.1	Strontium 0.7
Boron <u>0.2</u>	Tin
Cadmium 40.1	Vanadium 40.
Calcium 78.	Zinc
Chromium 40.1 🗵 0.015	Arsenic 🗶 💆 🗸 🗸 🗸 🗸
Cobalt <0.05	Selenium Z < 6.045
Copper 40.1	Mercury (0.005
Lead 40, X < 0.01	
Manganese 0.14	
Molybdenum 40.1	——— H———
Nickel 40.1	——— H———
LAB COMMENTS:	0 GE ST 5/1/83
For OCD Use:	00 11 011
	Analyst Reviewer Makey
Phone or Letter?	Challen Challen
Initials: Date	Analyzed 5/3/88 Date Revelved 6/14/88

FNTIFIC LABORATORY DI 700 Camino de Salud NE Albuquerque, NM 87106 841-2570



STATE OF NEW MEXICO

REPORT TO:	David Boyer S.L.D. No. OR-
	N.M. Oil Conservation Division DATE REG. 4-17 77
	P. O. Box 2088
	Santa Fe, N.M. 87504-2088 PRIORITY
PHONE(S):	327-5812 USER CODE: [8 2 3 5]
SUBMITTER:	David Boyer CODE: 12 6 0
SAMPLE COLLE	CCTION CODE: (YYMMDDHRMMIII) 1818101411141111151418
	WATER SOIL , FOOD , OTHER: CODE:
	es ; CITY: Lorington CODE:
LOCATION COL	E: (Township-Range-Section-Tracts) 1/5/5+3/7/5+00+4////(10N06E24342)
	QUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens ver possible list specific compounds suspected or required.
required. Whenev	PURGEABLE SCREENS EXTRACTABLE SCREENS
	tic Purgeables (1-3 Carbons) [(751) Aliphatic Hydrocarbons
	tic & Halogenated Purgeables (760) Organochlorine Pesticides Spectrometer Purgeables (755) Base/Neutral Extractables
(766) Tribal	
•	Specific Compounds or Classes (759) Herbicides, Triasines
<u> </u>	(780) Organochlorine Pesticides
<u> </u>	(761) Organophosphate Pesticides
H	(767) Polychlorinated Biphenyls (PCB's) (764) Polynuclear Aromatic Hydrocarbons
H —	(762) SDWA Pesticides & Herbicides
Remarks:	
PIELD DATA:	
pH=; C	onductivity= 60 umho/cm at 19°C; Chlorine Residual=mg/l
Dissolved Oxygen	mg/l; Alkalinity=mg/l; Flow Rate
Depth to water	ft.; Depth of wellft.; Perforation Intervalft.; Casing:
Sampling Location	on, Methods and Remarks (i.e. odors, etc.)
Dans	1 Cros Processing - Discharge on pipe from
-cost 1	on to siell, on on put surface
	re collector): Method of hipment to the Lab:
activities.(signatu This form accom	
_	eserved as follows:
NP:	No Preservation; Sample stored at room temperature.
P-Ice P-Na S O	Sample stored in an ice bath (Not Frozen).
CILAIN OF CU	1111 1121 2 1052 1151
I certify that th	to OH CONSERVATION DIVISION
at (location)	on SANTA Fand that
the statements i	n this block are correct. Evidentiary Seals: Not Sealed Seals Intact: Yes No
Signatures	

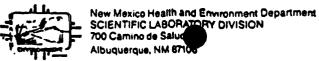
For OCD Use: Date Owner Notified Phone or Letter? Initials



New Mexico Health and Environment Department SCIENTIFIC LABORATOR VISION 700 Camino de Salud NE Albuquerque, NM 87106 — (505) 841-2555

GERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED	+ 19 186 H	WC-1267	USER 5930	59600 ČX	OTHER: 82	235
881041/	4	SITE INFORM- >	Sample location	eris Gas		Asing losington
Collection TIME	,	ATION	Collection site description	12010211		
Collected by - Person	Sear Sear	/OCD		noserus	vorg	& from plant
SEND FINAL REPORT TO	ENVIRONMENTAL BUREAU END NM OIL CONSERVATION DIVISION NAL State Land Office Bldg, PO Box 2088 EPORT Santa Fo. NM 97504-2099					
Ph	one: 827-58	312		•	Station/ well code	
SAMPLING C	CONDITIONS				Owner	
Bailed Dipped	□ Pump □ Tap	Water level		Discharge		Sample type GRA 64
рН (00400)		Conductivity (Unco	rrected) — 27 5 μmho	Water Temp. (00010)	27 ℃	Conductivity at 25°C (00094) µmho
Field comments	orly	sheen,	dark	color		
SAMPLE FIE	LD TREATMEN	T — Check prope	r boxes			······································
No. of sample submitted			F. Filtered in	field with A: 2	2 ml H₂SO₄/	L added
	acid added 🗆 (······································	ided 🗆 🛭	A: 4ml fuming HNO ₃ added
ANALYTICAL	RESULTS from	n SAMPLES				<u> </u>
NA NA	y (Corrected)	2601	Units Date analyze	From M,	NA Sample	: Date Analyzed
☐ Total non-fill residue (sus (00530) ☐ Other:		7.24	mg/l	Calcium Potassium Magnesium Sodium	135.	2 mg/1 5/10
Cother:				図 Bicarbonate		
A-H ₂ SO ₄ Nitrate-N+ total (00630 Ammonia-N Total Kjelda) total (00610)		mg/l	Chloride Sulfate Total Solid	11	2 ng/1 5/17 :
) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	340)		mg/l			
☐ Total organi (☐ Other: ☐ Other:	c carbon)		mg/l	Cation/A	Date R	eported Reviewed by
Laboratory rem	Laboratory remarks 633					
EOR OCD !!	ICE Doto	Owner Notifie	ıd	Phone or Lett	er?	Initals
דטא טכט ט	Jac Date (OMNET MOFILIE	; L	. Thought of Here	~	



Initials:

HEAV METAL ANALYSIS FORM

Date Reveived 6

Telephone: (505)841-2553 Date Lab User Code 82235 No. Received □ other: COLLECTION DATE & TIME: hh mm COLLECTION SITE DESCRIPTION COLLECTED BY TO: ENVIRONMENTAL BUREAU SITE LOCATION: NM OIL CONSERVATION DIVISION County: State Land Office Bldg., PO Box 2088 SANTA FE, NM 87504-2088 Township, Range, Section, Tract: (10N06E24342) 1/1515+3171E+012+41/1/1 TELEPHONE: 827-5812 STATION/ WELL CODE: | | LATITUDE, LONGITUDE: | | | | SAMPLING CONDITIONS: Bailed Pump Sample Type; Water Level: Discharge: Tap Dipped rals Conductivity at 25°C Conductivity (Uncorr.) (00400) Water Temp. (00010) (00094) FIELD COMMENTS: SAMPLE FIELD TREATMENT LAB ANALYSIS REQUESTED: Check proper boxes: WPN: Water Preserved w/HNO, ICAP Scan WPF: Water Preserved w/HNO, Mark box next to metal if AA Non-Filtered Filtered is required. ANALYTICAL RESULTS (MG/L) ELEMENT ELEMENT ICAP VALUE AA VALUE ICAP VALUE AA VALUE Aluminum 0.4 Silicon Barium Silver 40. 0.1 Beryllium Strontium 40.1 Boron 0.3 Tin 40. Cadmium 40. Vanadium <0.1 Calcium 150. Zinc 0. 40. Chromium 0,012 Arsenic 0.007 Cobalt Selenium 40. CO,005 40.1 Copper Mercury <0,0005 Iron 40.1 Lead X 60101 Magnesium Manganese 40.05 Molybdenum 40.1 Nickel 40.1 LAB COMMENTS: DIGEST For OCD Use: ICAP Analyst Date Owner Notified: Reviewer Phone or Letter?

Date Analyzed

700 Camino de Salud NE Albuquerque, NM 87106 841-2570



REPORT TO:	David Boyer	8.L.D. No. OR- 493 143
	N.M. Oil Conservation Division	DATE REC. 4-19-88
	P. O. Box 2088	
	Santa Fe, N.M. 87504-2088	PRIORITY 3
PHONE(S):	327-5812	USER CODE: 8 2 2 3 5
SUBMITTER:	David Boyer	CODE: 12 16 10 1
	CTION CODE: (YYMMDDHHMMIII) 18181014	, , ,
	WATER 🛃, SOIL 🔲, FOOD 🔲, OTHER:	
COUNTY: Le	a : CITY: Lorengte	CODE:
LOCATION COD	E: (Township-Range-Section-Tracts) 1151+3	171E+012+41/1(10N06E24342)
	UESTED: Please check the appropriate box(es) below	
, ,	er possible list specific compounds suspected or require PURGEABLE SCREENS	id. <u>Extractable</u> screens
	ic Purgeables (1-3 Carbons)	(781) Aliphatic Hydrocarbons
(754) Aroma	tic & Halogenated Purgeables	(780) Organochlorine Pesticides
	Spectrometer Purgeables	(755) Base/Neutral Extractables
(766) Tribald	•	(758) Herbicides, Chlorophenoxy acid
Other	Specific Compounds or Classes [(759) Herbicides, Triasines (760) Organochlorine Pesticides
	<u> </u>	(761) Organochiorine Pesticides
		(767) Polychlorinated Biphenyle (PCB's)
<u> </u>		(784) Polynuclear Aromatic Hydrocarbons
		(762) SDWA Pesticides & Rerbicides
Remarks:	•	
natinat ka:		
PIELD DATA:	<u></u>	•
pH=; Co	unductivity=267 Sumho/cm at 27 °C; Chlorine	Residual=mg/l
Dissolved Oxygen	mg/l; Alkalinity= mg/l; Flow Rate	
Depth to water	ft.; Depth of wellft.; Perforation Inter	valft.; Casing:
	n, Methods and Remarks (i.e. odors, etc.)	
Dayis	Gay mocessing-Hote	discharge soom plant
_oil/w	uter separatos To Field	- oily sheen, darb colo
	e results in this block accurately reflect the results of	my field analyses, observations and f
	e collector):	Method of Shipment to the Lab: SACLO
	panies Septum Vials, Glass Jugs, and/o	• —— ——————————————————————————————————
Samples were pro	sserved as follows: No Preservation; Sample stored at room temperature.	أفرانستان ينتفض أنفاه الدر والمناه والمعتبد الكلفان المتناسفين المتناسفان
P-Ice	Sample stored in an ice bath (Not Frozen).	विभिन्नद्विभाग
	Sample Preserved with Sodium Thiosulfate to remove	
CHAIN OF CUS		
I certify that th	is sample was transferred from	1084 11 m
at (location)	oa	OIL CONSERVATION DINGUICAN
the statements is	n this block are correct. Evidentiary Scale: Not Scaled	Seals Intact: Yes No
Signatures		

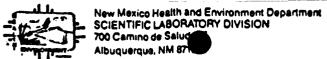
For OCD Use: Date Owner Notified Phone or Letter? Initials



New Mexico Health and Fronment Department SCIENTIFIC LABORATORY DIVISION 700 Camino de Salud NE Albuquerque. NM 87106 --- (505) 841-2555

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

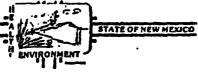
DATE RECEIVED -/ LAB	USER 5930	o ☐ 59600 🛣 o	THER: 82	235	
80104114	SITE Sample location	varis Cos		Hsing-le	rogto
Collection TIME Collected by —Parson/Agency	ATION Collection site description	" Cooling	TAIL	2 drain	2 hase
Boys / Seal	1 /OCD		_	·	<i></i>
ENVIRONMENTAL	A DIIDEAH		12 1	arcoct.	*******************
SEND NM OIL CONSE	RVATION DIVISION				***************************************
FINAL State Land 0)ffice Bldg, PO Box 208	18			*************************
Santa Fe, NM					
Attn: <u>David Boye</u>	£				
Phone: 827-5312	2		Station/ well code		
SAMPLING CONDITIONS			Owner		المراجع
☐ Bailed ☐ Pump W ☐ Dipped ☐ Tap	Vater level	Discharge		Sample type (RX	j
pH (00400) C	Conductivity (Uncorrected) 7 5 0 µmho	Water Temp. (00010)	4 ·c	Conductivity at 25°C (00	094) µmho
Field comments oil on	Surface				· · · · · · · · · · · · · · · · · · ·
			~~~~~		***************************************
SAMPLE FIELD TREATMENT -	— Check proper boxes		<del></del>		
No. of samples / SNF:	Whole sample Filtered in	n field with A: 2	ml H₂SO₄/I	_ added	
SNA: No acid added □ Oth	<del></del>	5ml conc. HNO3 add	ded □A	: 4ml fuming HA	iO, added
ANALYTICAL RESULTS from S		<u> </u>	<del></del>		
NA	Units Date analyze	From W. N	A Sample	: Date	····
Conductivity (Corrected) 25 °C (00095)	130 µmho 5/23			Analyzo	<u>ed</u> .
☐ Total non-filterable	•	☑ Calcium	78	mg/1 <i>5/1</i>	٤
residue (suspended) (00530)	mg/l	D Potassium		4 mg/1 5/10	
X Other: OH Lab	74 5)4	Magnesium _	23.	2_mg/1 <u>5//</u>	6
Cother:		− Sodium	97	.5mg/1 513	
		Bicarbonate	13	5 mg/1 5/2	4
A-H ₂ SO ₄		Chloride	2-5	2 mg/1 5/i	7
Nitrate-N + , Nitrate-N total (00630)	mg/l	Sulfate	10 5	<u> mg/1 ゔ/ィ</u>	<del>2</del> :
, , , , , , , , , , , , , , , , , , , ,	mg/l	- Total Solids	690	mg/13/13	7-
☐ Total Kjeldahl-N	mg/l	<u> </u>			
☐ Chemical oxygen demand (00340)	mg/l	\n			
☐ Total organic carbon	-				
Cother:	mg/l	- Cation/An			
Cother:		Analyst	Date Re	ported Reviewed by	
Laboratory remarks			1-12	0 00 00	
176	***************************************	***************************************	<del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>		**************



HEAVEMETAL ANALYSIS FORM Telephone: (505)841-2553 Date Lab User NO. ICP-171 82235 Code Received Other: COLLECTION DATE & TIME: COLLECTION SITE DESCRIPTION hh mm COLLECTED BY: 4 OWNER: TO: ENVIRONMENTAL BUREAU SITE LOCATION: NM OIL CONSERVATION DIVISION County: Led State Land Office Bldg., PO Box 2088 SANTA FE, NM 87504-2088 Township, Range, Section, Tract: (10N06E24342) 1/1515+31716+012+41/1/1 ATTN: STATION/ WELL CODE: | | TELEPHONE: 827-5812 LATITUDE, LONGITUDE: | | | SAMPLING CONDITIONS: Bailed Pump Water Level: Sample Type: Discharge: Tap Dipped П Conductivity (Uncorr.) Conductivity at 25°C Water Temp. (00010) pH(00400) (00094) °c umho umho FIELD COMMENTS: SAMPLE FIELD TREATMENT LAB ANALYSIS REQUESTED: Check proper boxes: ICAP Scan WPN: Water WPF: Water Preserved w/HNO3 Preserved w/HNO, Mark box next to metal if AA Filtered Non-Filtered is required. ANALYTICAL RESULTS (MG/L) ELEMENT AA VALUE ICAP VALUE ELEMENT ICAP VALUE AA VALUE Aluminum Silicon <0. Barium Silver 40. ۷۵. Beryllium Strontium 40.1 Boron 0.2 Tin 40,1 40.1 Cadmium Vanadium <0.1 Calcium Zinc <0.1 Chromium Arsenic 40.1 X 0.013 Cobalt 40,05 Selenium Copper Mercury 40.1 Iron Lead 40.1 X (0.01 Magnesium 0 Manganese 0.05 Molybdenum 40.1 N Ī

lickel 40.		
AB COMMENTS:	****	DIGEST 5/11/88
Por OCD Use: Date Owner Notified: Phone or Letter? Initials:	ICAP Analyst B  Date Analyzed 5/3/88	Reviewer AA Coly Date Reverved 6/14/8/
entremental entrem	• •	

# 88. 0490-C CIENTIFIC LABORATORY DESION 700 Camino de Salud NE Albuquerque, NM 87106 841-2570



Ì	David Boyer	8.L.D. No. (	DR-490 74 TD
	N.M. Oil Conservation Division	DATE REC.	4-19-88
	P. O. Box 2088		
	Santa Fe, N.M. 87504-2088	PRIORITY	3
PHONE(S):	327-5812	USER CODE: 8 2	2 3 5
SUBMITTER:	David Boyer		6101
SAMPLE COLLE	CTION CODE: (YYMMDDHHMMIII) 18181	01411411013	OAK
SAMPLE TYPE:	WATER SOIL [], FOOD [], OTHER:	CODE:	
COUNTY:	city: Love	laton code:	
LOCATION COD	E: (Township-Range-Section-Tracts) 1151	1+3171E+012+9	[ ] [ (10N06E24342)
	UESTED: Please check the appropriate box(es)	· ·	analytical screens
required. Whenev	er possible list specific compounds suspected or PURGEABLE SCREENS .	EXTRACTABLE S	CREENS
(753) Alipha	ic Purgeables (1-3 Carbons)	(751) Aliphatic Hydro	
	ic & Halogenated Purgeables	(760) Organochlorine	1
(765) Mass	Spectrometer Purgeables	(755) Base/Neutral Ex	
	mernanes Specific Compounds or Classes	(758) Herbicides, Chlo	· ·
		(760) Organochlorine	1
		(761) Organophosphate	Pesticides
		(767) Polychlorinated	Biphenyls (PCB's)
		(764) Polynuclear Aro	
Remarks:		(762) SDWA Pesticide	s & Herbicides
PIELD DATA:			
			1
pH=; Co	nductivity= 750 umho/cm at 14°C; Ch	lorine Residual=mg/l	
	nductivity= <u>750</u> umho/cm at <u>14</u> °C; Ch =mg/l; Alkalinity=mg/l; Flow R		
Dissolved Oxygen		ate	ng:
Dissolved Oxygen	mg/l; Alkalinity= mg/l; Flow R  ft.; Depth of well ft.; Perforation  Methods and Remarks (i.e. odors, etc.)	Intervalft.; Casi	
Dissolved Oxygen	mg/l; Alkalinity=mg/l; Flow Rft.; Depth of wellft.; Perforation n, Methods and Remarks (l.e. odors, etc.)	Intervalft.; Casi	
Dissolved Oxygen	mg/l; Alkalinity= mg/l; Flow R  ft.; Depth of well ft.; Perforation  Methods and Remarks (i.e. odors, etc.)	Interval ft.; Casi	
Dissolved Oxygen Depth to water Sampling Locatio	mg/l; Alkalinity=mg/l; Flow R	Intervalft.; Casi	drain hose east pit
Dissolved Oxygen Depth to water Sampling Locatio	mg/l; Alkalinity=mg/l; Flow Rft.; Depth of wellft.; Perforation n, Methods and Remarks (l.e. odors, etc.)  ON Market Collection e results in this block accurately reflect the rese collector):	Intervalft.; Casi  To Ling Tourse  La  La  La  La  La  La  La  La  La  L	drain hose  case pit  vations and the Lab: State Car
Dissolved Oxygen Depth to water Sampling Locatio	mg/l; Alkalinity= mg/l; Flow R  ft.; Depth of well ft.; Perforation  n, Methods and Remarks (l.e. odors, etc.)  PANDLEST - C  e results in this block accurately reflect the results of the collector):  Septum Vials, Glass Jugs,	Intervalft.; Casi  To Ling Tourse  La  La  La  La  La  La  La  La  La  L	drain hose  case pit  vations and the Lab: State Car
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For OCD Use: Date Owner Notified Phone or Letter? Initials



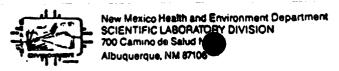
New Mexico Health and rironment Department SCIENTIFIC LABORAT DIVISION 700 Camino de Salud NE Albuquerque, NM 87106 — (505) 841-2555

457

# ENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

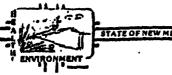
DATE	1111010	AB	USER C			226		
POLICE OF A	7 /7 8 · IN	10 11X-1265	CODE 59300		OINCIL	235		<del>_</del> _
00041	4	SITE INFORM- ►	1	uvis cas	1/1804	Her-	4-Lorina	les
1005		ATION	Collection site description			1 +	0 -1	
Colleged by - Pen	Dyoofer A	/ncd		Coolen	y Jack	LE1 1	Pusnfor	
1300	( ) soil	, ,,,,,	L		7			-,
•	ENVIRONMEN'	TAL RURFAU						••••••
SEND	NM OTI CON	SERVATION DIV	VISION					
FINAL REPORT	State Land	Office Bldg	, PO Box 208	8				
TO	Santa Fe,	NM 87504-208	8					· · · · · · · · · · · · · · · · · · ·
Att	n: David Bo	yer		******				
		-			Station			
Ph	one: 827-58	312			well code Owner		<del></del>	
SAMPLING C	ONDITIONS				Owner			
_ Bailed	☐ Pump	Water level		Discharge		Sample typ	100B	
☐ Dipped	Тар	0 4 25 2 41 2 2		14-1- 7- (00040)		0	G/138	
pH (00400)	<u> </u>	Conductivity (Unco	priected) μmho	Water Temp. (00010)	4 < °C	Conductivi	ty at 25°C (00094)	umho
Field comments	<b>3</b>	1	80			<u> </u>		
		**********			······································		***************************************	
****								
AMBI E CIE	D TOP ITUES							
		T — Check prope		Sind d wish	<del></del>		<del></del>	
No. of samples submitted	s / AXNI	F: Whole sample (Non-filtered)	F: Filtered in 0.45 µmer	mbrane filter	2 ml H₂SO₄/	L added		
MA.No.		<del></del>	<del></del>		44-4 574	· /-1	F4 1110 -	د د
NA: NO a	acid added 🖂 (	Jiner-speciry:	□ A:	5ml conc. HNO ₃ a	1060 L.	1: 4ml	fuming HNO ₃ a	aaec
	RESULTS from						~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	
NA NA			Units Date analyzed	From NF.	NA Sample	:	Date	
Conductivity 25°C (00095		1227	$_{\rm 4mho}$ $5/23$	· · · · · · · · · · · · · · · · · · ·	•		Analyzed	
23 C (00093			2mmo	- 17 a.z		0/1	5/16	
Total non-filte				Calcium		T `	1,	
residue (sus (00530)	spended)		mg/l	Potassium _		<u> 4</u> mg/1	3/10	
Cther: 🏠	H-lab_	8.22	5/24	_ Magnesium _	24.	<u>4</u> mg/1	5/16	
Cother:	·			Sodium		8 mg/1	,	
☐ Other:				Bicarbonate		3 7mg/1	5/24	
A-H ₂ SO ₄	•			Chloride		7 / mg/1		
☐ Nitrate-N+,	Nitrate-N					-	<del></del>	
total (00630)			mg/l	」Sulfate	1/2			
Ammonia-N	. ,		mg/l	- 🔀 Total Solid	ds <u>80</u>	<u>7_mg/1</u>	5/20	
Total Kjeldah	)		mg/l	_			•	
☐ Chemical ox			-					
demand (003			mg/l	-  <b>U</b>		<del></del>		
Total organic ( )			mg/l	- Cation/A	nion Bai	lance		
Cother:				Analyst	Date Re		Reviewed by	
C Other:			<del></del>	- Charyst		22/88		
Laboratory rema	arks			<u> </u>		[ 0 0 ]	<u> </u>	
272	-	***************************************						
FOR OCD US	SE Date C	Wmer Notifie	:d	Phone or Lett	er?	In	itals	

ANALYTI	CATIONS E MEQ.	PPM	DET.	ANALYTE	ANIONS MEQ	· •	DET.
Ca Mg Na K	4.39 2.00 5.13 0.10	88.00 24.40 118.00 4.00	<3.0 <0.3 <10.0 <0.3	HC03 SO4 CL	2.25 2.33 7.64	137.00 112.00 271.00	<1.0 <10.0 <5.0
Mn Fe	0.00	0.00			0.00 0.00 0.00	0.00 0.00 0.00 0.00	< 0. < 1. < 0. < 0.
SUMS	11.63	234.40			12.22	520.00	
	Dissolved ance =	Solids= 95.15%	809	WC Date o	No. ut/By	= 8801268	• 



# HEAV METAL ANALYSIS FORM Telephone: (505)841-2553

Date	Lab	User	<b>T.</b> 2222		A-b	
Received //// COLLECTION DATE &	No. + T />	Code	82235	I.I.RCTTON	ther:	ESCRIPTION
COLLECTION DATE &	TIME: OF O	474 1700	3	Daris		broceture
COLLECTED BY: 5	10.510	()	7	oclins		
COLLECTED BY:	ut Boy	OCK				
	11		-			
TO:	•		OW	ner:		
ENVIRONMENTAL	BUREAU		sı	TE LOCAT	ION:	
NM OIL CONSER		ON		unty:		
State Land Of		O Box 208				
santa fe, nm	87504-2088		Tow	nahip, Range,	Section, Tr	ect: (10N06E24342)
ATTN: AULA	ROUGE			(10.12 + 2	17 15+01	3+41/1/1
TELEPHONE: 82	7-5812	STATI	N/ WELL COD	nrelll		
IMMI MOND. Va	7 3014	4 444	,, walla 662		لسلسلب	
_	LATITU	DE, LONG	TUDE:			
SAMPLING CONDITION						
☐ Bailed ☐	• I	r Level:	Discharg	e:	Samp]	le Type:
Dipped Dipped pH(00400)   Conduc	Tap	- \ Water	Temp (0001	ON COR	ductivi	ty at 25°C
ph (00400). Conduc			. remp. (0001		094)	icy at 25 t
	1680 µm²	10	45 °c	( )	,	umho
FIELD COMMENTS:						
SAMPLE FIELD TREA	יויערפאייוי	<del></del>	LAB ANALYS	TC DPOILE	CTPD.	
Check proper box		ļ i	IND ANALIS	IS REQUE	OIDU:	
WPN: Water	WPF: W	ater	ICAP	Scan	*****	
Preserved w/HNO,	Preserved	w/HNO3		next to	metal	if AA
Non-Filtered	Filtered		is requi	red.		
	ΔΝΔΙΥΤ	ICAL RES	SULTS (MC	3/1)		
ELEMENT ICAP V		ALUE	BLEMENT	ICAP V	ALUE	AA VALUE
Aluminum 4	0.1	P	Silicon	20.		
Barium 0.]			Silver	40	2.	
	٥٠]	<u> </u>	Strontium			
Boron 0.3 Cadmium 4	<u> </u>		Tin Vanadium		<u>2.1</u> 2.1	
Calcium 80.		16	Zinc	0.1	<u> </u>	
Chromium 4	0.1	of ) ?	Arsenic	<u> </u>		П
	1.05		Selenium			
Copper			Mercury			
Iron <u>0.5</u> Lead	AT NO 10					<u></u>
Magnesium 22.	0.1 2 60.	<u>•)                                    </u>		·		H
Manganese 40	0.05					H
Molybdenum	0.1					
Nickel <	<u></u>					
LAB COMMENTS:						Vices + ilden
THE COUNTRIES.	<del></del>		<del></del>		<u>_</u>	)ige-st 5/1/88
For OCD Use:			^ <i>o</i>			AM
Date Owner Notifi		ICAP An	alyst_\B_	Revi	ewer	MIT
Phone or Lett	er? ls:		alyzed $5/(3)$	00	Revei	La 6/14/28



REPORT TO:	David Boyer	8.L.D. No. OR	490 AYE
	N.M. Oil Conservation Division	DATE REC.	11-19-18
	P. O. Box 2088		
• .	Santa Fe, N.M. 87504-2088	PRIORITY	3
Phone(s):	327-5812 USEI	CODE: 8 2 12	3,5
SUBMITTER:	David Boyer	CODE: 12 16 1	)
	ction code: (YYMMDDHRMMIII) $188041$		
SAMPLE TYPE:	WATER K, SOIL [], FOOD [], OTHER:	CODE:	
COUNTY:C	o city: byrnatan	CODE:	
LOCATION COD	E: (Township-Range-Section-Tracts) 115573171	E+012+411	(10N06E24342)
	UESTED: Please check the appropriate box(es) below to indic	rate the type of analys	tical screens
1 •	er possible list specific compounds suspected or required. PURGEABLE SCREENS E	Amb Viib I at a comm	· Ne
	<del></del>	XTRACTABLE SCREE ) Allphatic Hydrocarbo	<del></del>
		) Organochlorine Pestic	
(785) Mass	Spectrometer Purgeables [ ] (755)	Base/Neutral Extract:	ables
(766) Tribale		Herbicides, Chlorophe	noxy acid
Other		Herbicides, Triasines	
<u> </u>		Organochlorine Pestic	
		Organophosphate Pes	,
<del>                                   </del>	<del>_</del>	Polychlorinated Biphe	
\ <del>\</del>	<del></del>	) Polynuciear Aromatic ) SDWA Pesticides &	-
<u> </u>		DANY LESSIFICATION OF	neroicides
Remarks:			
PIELD DATA:			· · · · · · · · · · · · · · · · · · ·
pH=; Co	nductivity=1680 umbo/cm at 45°C; Chlorine Residual	=mg/l	
Dissolved Oxygen	mg/l; Alkalinity mg/l; Flow Rate		
Depth to water	ft.; Depth of well ft.; Perforation Interval	ft.; Casing:	
Sampling Location	n, Methods and Remarks (i.e. odors, etc.)	a LT O	
Baus	Cas Processing - Cooling.	Jackel Pu	Dan Jun
			·
I certify that th	e results in this block accurately reflect the results of my fie	id analyses, observation	a and
activities.(signatus		d of Shipment to the	
This form accom	panies Septum Vials, Glass Jugs, and/or	<i>t</i> .	
Samples were pro	served as follows:	لسالسا	
☐ NP:	No Preservation; Sample stored at room temperature.	צווסו	
P-Ice	Sample stored in an ice bath (Not Frosen).	\n\/-\	-4-
P-Nagso	Sample Preserved with Sodium Thiosulfate to remove chlorin	e residual.	11'51 2 TOSQ 111
	is sample was transferred from	خالف م	See TON SAIS
at (location)	on /	<del></del>	SA and that
the statements is	this block are correct. Evidentiary Seals: Not Sealed 3	Seals Intact; Yes [	No 🗔
Signatures		ţ	
			•

For OCD Use: Date Owner Notified _

Phone or Letter?_____ Initials





## ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

## OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

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

November 17, 1988

# CERTIFIED MAIL RETURN RECEIPT REQUESTED

Mr. Donald K. Judd, Agent DAVIS GAS PROCESSING, INC. 211 North Colorado Midland, Texas 79701-4696

RE: Discharge Plan GW-48
J. L. Davis Gas Plant
Lea County, New Mexico

Dear Mr. Judd:

The Oil Conservation Division (OCD) has received your request, dated November 4, 1988, for an extension for the submission of a discharge plan for the above referenced facility. The notification requiring the filing of a discharge plan was dated April 18, 1988, and an extension, to November 8, 1988, for submission of the plan was granted on July 19, 1988.

Pursuant to Water Quality Control Commission (WQCC) Regulation 3-106.A. and for good cause shown, David Gas Processing Inc. is hereby granted an extension to December 8, 1988 for the submission of a discharge plan for your Denton Gas Plant. This extension is granted to allow for completion of the discharge plan following a modification of the waste stream and disposal system at the plant.

Pursuant to WQCC Regulation 1-106.A. and for good cause shown, you are further granted an extension to April 7, 1989 to discharge without an approved discharge plan. This extension is granted to allow for receipt and review of the required discharge plan.

Mr. Donald K. Jud November 17, 1988 Page -2-

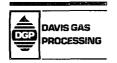
If you have any questions or comments, please feel free to contact David Boyer at (505) 827-5812 or Roger Anderson at (505) 827-5884.

Sincerely,

William J. LeMay Director

WJL:sl

cc: OCD - Hobbs Office E. E. Zernial, Davis, Denton



## DAVIS GAS PROCESSING,

211 North Colorado MIDLAND, TEXAS 79701-4696



November 4, 1988

Oil Conservation Division State Land Office Building Room 206 310 Old Sante Fe Trail Santa Fe, New Mexico 87503

Attention: Mr. William LeMay, Director

RE: Discharge Plan GW-48 J. L. Davis Gas Plant Lea County, New Mexico

Dear Mr. LeMay:

Pursuant to my telephone conversation of November 4, 1988 to your Mr. David Blair, the referenced facility has ceased discharging waste water to the soil surface. All process draws are now routed to a 1,000 barrel above grade metal storage tank. From this tank, the waste liquids are trucked to a disposal well.

Due to the change in direction of this project, the discharge plan, due November 8, 1988 is only about 70% complete. Mr. Blair advised that a 30 day extension could be granted and that this in turn would extend the discharge-without-plan date the same 30 days, i.e. from March 8, 1988 to April 7, 1989.

The extension is appreciated.

Mr. Blair also asked if the cooling tower basin were connected into the waste water collection system. It is not at the present. This basin collects only rain water run-off. I understand the intent is to let as much water as possible evaporate and to pump only the surplus to the 1,000 barrel tank for disposal. This will be addressed in the discharge plan.

If there are any questions I can be reached at the letterhead address or at 915-682-6311 after 9 a.m.

Thank you very much

Agent /

DKJ/rs

cc: J. L. Davis E.E. Zernial

Bill Phillips

## ENERGY, MINERALS AND NATURAL RESOURCES DEPÁRTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS

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

July 19, 1988

· //

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. J. L. Davis DAVIS GAS PROCESSING, INC. 211 North Colorado Midland, Texas 79701

RE: Discharge Plan GW-48
J. L. Davis Gas Plant
Lea County, New Mexico

Dear Mr. Davis:

The Oil Conservation Division (OCD) has received your request, dated July 8, 1988, for an extension for the submission of a discharge plan for the above referenced facility. The notification requiring the filing of a discharge plan was dated April 18, 1988.

Pursuant to Water Quality Control Commission (WQCC) Regulation 3-106.A. and for good cause shown, Davis Gas Processing Inc. is hereby granted an extension to November 8, 1988 for the submission of a discharge plan for your Denton Gas Plant. This extension is granted to allow for independent sampling of your waste streams and verification of OCD's test results.

Pursuant to WQCC Regulation 3-106.A. and for good cause shown, you are further granted an extension to March 8, 1989 to discharge without an approved discharge plan. This extension is granted to allow for receipt and review of the required discharge plan.

If you have any questions or comments, please feel free to contact David Boyer at (505) 827-5812 or Roger Anderson at (505) 827-5885.

Sincerely,

William J. LeMay

Director

cc: OCD-Hobbs

E. E. Zernial, Davis, Denton

# DAVIS GAS PROCESSING

## DAVIS GAS PROCESSING, INC.

211 North Colorado MIDLAND, TEXAS 79701

July 8, 1988

Director, Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87504-2088

Re: Discharge Plan GW-48 J. L. Davis Gas Plant Lea County, New Mexico JUL 13 1988 DIVESION

Area Code 915

Gentlemen:

Pursuant to Mr. Don Judd's telephone call of July 7, 1988 to your Mr. Roger Anderson, Davis Gas Processing would like to request a 90 day extension of the filing deadline for the referenced plan.

Although work on the plan has been in progress, we have been awaiting the State of New Mexico's test sample results prior to finalizing the plan. The metallic ion analysis has not yet been received although we understand it is in the mail.

However, we did receive the hydrocarbon analysis on June 18, 1988 and are concerned about the relatively high levels of benzene reported.

Mr. Judd questioned Mr. Anderson about the accuracy of the test results. We feel that these samples need verification.

Because of the sample verification plus a conflict of work loads (Mr. Judd is an outside consultant) it does not now appear feasible to meet the August 18, 1988 filing deadline.

Therefore, we are requesting the 90 day extension.

Thank you very much,

J. L. Davis

JLD/sdw

cc: E. E. Zernial Bill Phillips Don Judd



## ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

## OIL CONSERVATION DIVISION

GARREY CARRUTHERS

POST OFFICE 80X 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

April 18, 1988

# CERTIFIED MAIL RETURN RECEIPT REQUESTED

Mr. Bud Zernial
Davis Gas Processing
Rt. 2, Box 150
Lovington, New Mexico 88260

RE: Discharge Plan GW-48
J. L. Davis Gas Plant
Lea County, New Mexico

Dear Mr. Zernial:

Under the provisions of the Water Quality Control Commission (WQCC) Regulations, you are hereby notified that the filing of a discharge plan for your existing Denton Gas Plant located in Section 2 Township 15 South, Range 37 East, NMPM, Lea County, New Mexico, is required.

This notification of discharge plan requirement is pursuant to Sections 3-104 and 3-106 of the WQCC Regulations. The discharge plan, as defined in Section 1-101.P. of the WQCC Regulations, should cover all discharges of effluent or leachate at the plant site or adjacent to the plant site. Included in the application should be plans for controlling spills and accidental discharges at the facility (including detection of leaks in buried underground tanks and/or piping), and closure plans for any ponds whose use will be discontinued.

A copy of the regulations and an OCD guide to the preparation of discharge plans for gas processing plants was provided during the visit on April 14 of Mr. David Boyer of my staff. Three copies of your discharge plan should be submitted for review purposes.

Section 3-106-A. of the regulations requires a submittal of the discharge plan within 120 days of receipt of this notice unless an extension of this time period is sought and approved for good cause. Section 3-106.A. also allows the discharge to continue without an approved discharge plan until 240 days after written notification by the Director of the OCD that a discharge plan is required. An extension of this time may be sought and approved for good cause.

If there are any questions on this matter, please feel free to call David Boyer at 827-5812 or Roger Anderson at 827-5885 as they have the assigned responsibility for review of all discharge plans.

Sincerely,

William J. LeMa

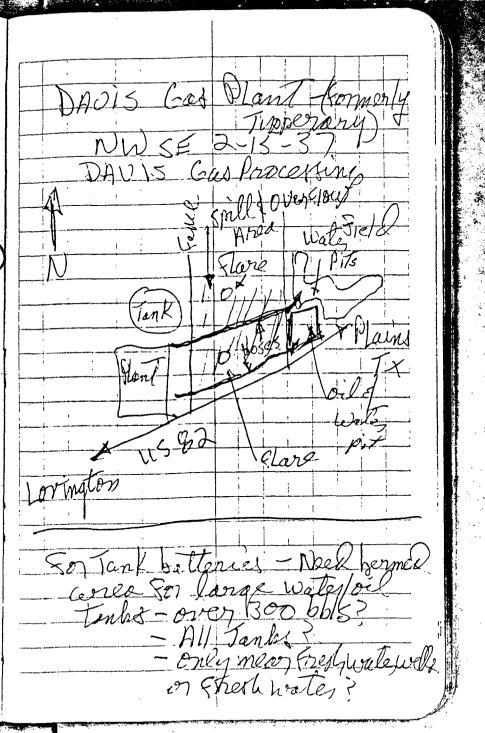
Director

WJL:RA:sl

cc: OCD - Hobbs

Davis Gas Processing - Midland

Siell Notes of Boyer, 4/14/88 BYB (other oct Staffer-Eldie Seay, Hobbs)



MR. Bux Zernial 8804141005 cooling Tocket Primp RT1, 800 150 Lovinglon CA, HM, VOA SP = 1680 pm/m 2 45 C Plante Manager 396-5385 Built in 14 54 by ARCO 880414/D30 Sola Tipporary 11970 Cooling Lower Drainhoge Bult 23-78, Amondonia Plant (hose drains to East Pit Feb 86 - Davis Gos Procesing Millone TX 7970) Sp = 750 @1400 50-50% with Typerary 8804141050 Davis Runs plant Separator Frain to Siels (Ammoria shutdown) Dearle Color, oil theen 6 MCF/Ray - Air Sp. Conf. 2675 Mm/s 27°C cooled water in enginees, get 8804141115 E.P.T. No chrome is used. Oil Standing on Surface Soften water. Sample Eron Drainly pe To Fell Minimum water year S. Con D. 180/17/05 @ 19°C ASST - Junio Barr CA, HM, VOA

8804141120 p 1/80@ 18.5°C to be deeper, trushing primp Savis-W. Water well 860414 1125 Sp. cond 1920 remlus @ 200 Sulmersible pump said Shaflower well

## 88-0489 **-**C

TIFIC LABORATORY DIV 700 Camino de Salud NE Albuquerque, NM 87106 841-2570



STATE OF NEW MEXICO

REPORT TO:	David Boyer	S.L.D. No. OR- 489 A &B
	N.M. Oil Conservation Division	DATE REC. 4-19-88
	P. O. Box 2088	
	Santa Fe, N.M. 87504-2088	PRIORITY 3
PHONE(S):	327-5812	USER CODE:   8   2   2   3   5
SUBMITTER:	David Boyer	CODE: 12   6   0
SAMPLE COLLE	ction code: (YYMMDDHHMMIII)  8 8 0 4	11411120218
SAMPLE TYPE:	WATER SOIL , FOOD , OTHER:	CODE:
COUNTY: L	es ; city: Lovengle	979 CODE:   _
LOCATION COD	E: (Township-Range-Section-Tracts)	71E+02+31212(10N06E24342)
	UESTED: Please check the appropriate box(es) below to	
required. Whenev	er possible list specific compounds suspected or required. PURGEABLE SCREENS	EXTRACTABLE SCREENS
(753) Alipha	tic Purgeables (1-3 Carbons)	751) Aliphatic Hydrocarbons
	tic & Halogenated Purgeables	(760) Organochlorine Pesticides
(765) Mass	Spectrometer Purgeables	(755) Base/Neutral Extractables
(766) Trihalo	Turken	(758) Herbicides, Chlorophenoxy acid
Other	Specific Compounds or Classes	(759) Herbicides, Triazines
		(760) Organochlorine Pesticides
<u> </u>		] (761) Organophosphate Pesticides ] (767) Polychlorinated Biphenyls (PCB's)
<u> </u>		[ (764) Polynuclear Aromatic Hydrocarbons
ii —		(762) SDWA Pesticides & Herbicides
Remarks:		
FIELD DATA:	onductivity= 1180umho/cm at 185°C; Chlorine R	ociduoles mad
	mg/l; Alkalinity=mg/l; Flow Rate	
	ft.; Depth of wellft.; Perforation Interva	
	n. Methodspand Remarks (i.e. odors, etc.)	- /
A A	Gat Process inp- Gast	1. 20 To wood I Donn
- Jarrel	turline numb	wary was (all)
I certify that th	ne results in this block accurately reflect the results of	my field analyses, observations and
	re collector): Kou	Method of Shipment to the Lab:
This form accom	panies Septum Vials, Glass Jugs, and/or	
	eserved as follows:	การให้เราห์เก็บสาก
□ NP:	No Preservation; Sample stored at room temperature.	1012015015775
P-Ice	Sample stored in an ice bath (Not Frozen).  Sample Preserved with Sodium Thiosulfate to remove	chlorine residual 310 6 1988
CHAIN OF CUS		
I certify that th	ais sample was transferred from	6. OIL CONSERVATION DIVISION
at (location)	on	and that
the statements in		elel (elel
	n this block are correct. Evidentiary Seals: Not Sealed	Art Page
Signatures		Art Par

Phone or (Letter?)

Initia_{ls}

For OCD Use: Date Owner Notified

LAB. No.: OR- 489

This sample was tested using the analytical scree	ening method(s)	checked below:	
PURGEABLE SCREENS		EXTRACTABLE SCREENS	
[ (753) Aliphatic Purgeables (1-3 Carbons)		(751) Aliphatic Hydrocarbons	
(754) Aromatic & Halogenated Purgeables		(760) Organochlorine Pesticides	
(765) Mass Spectrometer Purgeables		(755) Base/Neutral Extractables	
(766) Trihalomethanes		(758) Herbicides, Chlorophenoxy acid	
Other Specific Compounds or Classes		(759) Herbicides, Triazines	
		(760) Organochlorine Pesticides	
		(761) Organophosphate Pesticides	
		(767) Polychlorinated Biphenyls (PCB's)	
		(764) Polynuclear Aromatic Hydrocarbons	ı
		(762) SDWA Pesticides & Herbicides	
Λ.Ν.	IAIVTICA	L RESULTS	
COMPOUND(S) DETECTED	CONC.	COMPOUND(S) DETECTED	CONC.
	[PPB]	COMP COND (c) DEFECTED	[PPB]
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haloaenated surgeables			
Dilli atel	10		
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	05-19/		
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DETECTION LIMIT	100-74	+ DETECTION LIMIT +	J
ABBREVIATIONS USED:			
N D = NONE DETECTED AT OR ABOVE	E THE STATED	DETECTION LIMIT	
T R = DETECTED AT A LEVEL BELOW	THE STATED	DETECTION LIMIT (NOT CONFIRMED)	
[ RESULTS IN BRACKETS ] ARE UNCON	FIRMED AND/	OR WITH APPROXIMATE QUANTITATION	
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LABORATORY REMARKS:		· · · · · · · · · · · · · · · · · · ·	
	•		
		•	
CERTIFICA	TE OF ANALY	TICAL PERSONNEL	
Seal(s) Intact: Yes No 2. Seal(s) broken		Alakla date:	
I certify that I followed standard laboratory proced			ed and
that the statements on this page accurately reflect			
Date(s) of analysis: 4/20/88. Analyst's s	signature:	my C. Toller	
I certify that I have reviewed and concur with the			is block.
Reviewers signature: Kmenlahlin			



New Mexico Health and Environment Department SCIENTIFIC LABORATORY DIVISION 700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

85%

## GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 7	4/9188 14	6. WC-47/ USEF	E _ 59300	o □ 59600 [XX	OTHER: 822	235	
Collection DATE 14 Collection TIME		SITE   Sample	location	This Gas	7.7	ciny 1	brington
1120	100000		on site description		les lug	00	
Collected by — Person/	regency Se	all 1000	1420	All Constant	es sur	<u> </u>	
,	V	C IIII JUN	10120				
	ENVIRONMENT	ral burtau	TO PROPERTY				***************************************
SEND	NM OIL CONS	TĂL BUREAU SERVATION DIVESIO Office Bldg. PO	3N/	2			***************************************
REPORT		Office Bldg, PO VM 87504-2088	DOX ZUO	ט			
TO ;							***************************************
Attn	: David Boy	<u>ver</u>		*************************			
Pho	ne: 827-58	312			Station/ well code		
SAMPLING CO		· <b>-</b>			Owner		
☐ Bailed	<b>⊘</b> XPump	Water level		Discharge		Sample type	
☐ Dipped	Тар						GRAR
pH (00400)		Conductivity (Uncorrected	j) β μmho	Water Temp. (00010)	18-5°C	Conductivity	at 25°C (00094) μmho
Field comments	Deepe	y well, t	wrbe	nejum	5-	/	
	<i>U</i>	, J				######################################	***************************************
SAMPLE FIEL	D TREATMEN	T — Check proper box	es				
No. of samples submitted	/ DIN	Whole sample (Non-filtered)	Filtered in 0.45 µme	field with  mbrane filter   A:	2 ml H ₂ SO ₄ /	L added	
NA: No ac	cid added 🗆 C	Other-specify:		<del></del>	added $\square$	4ml f	uming HNO ₃ added
ANALYTICAL	RESULTS from	SAMPLES					
NA		Units	Date analyze	From NP.	NA Sample	•	Date
Conductivity ( 25 °C (00095)	(Corrected)	1339 μmho	5/23	- , , , , , , , , , , , , , , , , , , ,	, in Jampi a	-	Analyzed .
☐ Total non-filter	rable			Calcium _	120	mg/1_	5/16
residue (susp				Potassium		4 mg/7	5/10
(00530) Other:	h all -	<b>14</b> 2 mg/l	5)4	Magnesium	30.	5 mg/1	,5/16
☐ Other:		751		Sodium		17 mg/1_	
☐ Other:							5 24
A-H ₂ SO ₄				Bicarbona		7 -	
	Uitroto N		···	Chloride .	268		5/20
☐ Nitrate-N+, N total (00630)	viiirate-iv 	mg/l		_ Sulfate _	12/	mg/l_	
☐ Ammonia-N to	. ,	mg/l		- ☑ Total Sol	ids <u>88</u>	<u>/</u> mg/1	5/20
☐ Total Kjeldahi ( )	-N	mg/l				,	
☐ Chemical oxy demand (003							
☐ Total organic	•	mg/l				<del></del>	<del></del>
( )		mg/l		- Cation/	Anion Ba	lance .	· · · · · · · · · · · · · · · · · · ·
☐ Other:				Analyst	Date R	eported	Reviewed by
Other:				-	5	27/88	
Laboratory remai	rks						
1				•			
			·			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

ANALYT	CATIONS  E MEQ.	PPM	DET.	ANALY'	ANIONS TE MEQ.	PPM	DET. LIMIT
Ca Mg Na K	5.99 2.51 5.09 0.10	120.00 30.50 117.00 4.00	<3.0 <0.3 <10.0 <0.3	HC03 SO4 CL	3.90 2.52 7.56	238.00 121.00 268.00	<1.0 <10.0 <5.0
Mn Fe	0.00	0.00		NO3 C03 NH3 PO4	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	< 0. < 1. < 0. < 0.
SUMS	13.68 Dissolved	271.50	884		13.98	627.00	
	lance =	97.88%			WC No. out/By	= C127I S/27	_

88-0492-C

For OCD Use: Date Owner Notified _

ITIFIC LABORATORY DIV 700 Camino de Salud NE Albuquerque, NM 87106 841-2570



Initials

REPORT TO: David Boyer	S.L.D. No. OR- 492 AYB
N.M. Oil Conservation Division	DATE REC. 4-19-88
P. O. Box 2088	
Santa Fe, N.M. 87504-2088	PRIORITY 3
PHONE(S): 327-5812 USER	CODE: 8 2 2 3 5
SUBMITTER: David Boyer	CODE: 12   6   0
sample collection code: (YYMMDDHHMMIII) $ B B O A I $	41005121812
SAMPLE TYPE: WATER , SOIL , FOOD , OTHER:	CODE:
COUNTY: LEO ; CITY: Loveryton	CODE:
LOCATION CODE: (Township-Range-Section-Tracts) 1557317 E	+ 0   2 + 4   /   / (10N06E24342)
ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate	the type of analytical screens
required. Whenever possible list specific compounds suspected or required.  PURGEABLE SCREENS  EXT	TRACTABLE SCREENS
	Aliphatic Hydrocarbons
	Organochlorine Pesticides
	Base/Neutral Extractables Herbicides, Chlorophenoxy acid
	Herbicides, Triazines
	Organochlorine Pesticides
	Organophosphate Pesticides
	Polychlorinated Biphenyls (PCB's)
	Polynuclear Aromatic Hydrocarbons  SDWA Pesticides & Herbicides
Remarks:	
FIELD DATA:	
pH=; Conductivity=1680 umho/cm at 45°C; Chlorine Residual=	mg/l
Dissolved Oxygen=mg/l; Alkalinity=mg/l; Flow Rate	
Depth to waterft.; Depth of wellft.; Perforation Interval	ft.; Casing:
Sampling Location, Methods and Remarks (i.e. odors, etc.)  Davis (xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Tacket Dump
Biolis (10 million sorty Con Willy)	accer jump
I certify that the results in this block accurately reflect the results of my field activities (signature collector):  Method	
This form accompanies Septum Vials, Glass Jugs, and/or	
Samples were preserved as follows:	
NP: No Preservation; Sample stored at room temperature.	1013(C)377(A)32(1)
P-Ice Sample stored in an ice bath (Not Frozen).  P-Na_S_O_ Sample Preserved with Sodium Thiosulfate to remove chlorine	residual III
CHAIN OF CUSTODY	
I certify that this sample was transferred from	to OIL CONSERVATION DIMINION
at (location) on	OIL CONSTRUCTION OF SANTANE CHAL
the statements in this block are correct. Evidentiary Seals: Not Sealed Sea	lls Intact: Yes No
Signatures	Ţ.

LAB. No.: OR- 492

(753) Aliphatic Purposites (1-4 Garbons)	This sample was tested using the analytical screening method(s) checked below:						
(782) Allphatic Rydrocarbons     (781) Allphatic Rydrocarbons     (781) Allphatic Rydrocarbons     (780) Organochlorins Paticides     (780) Organochlorins     (780) Organochlorins     (780) Organochlorins     (780) Organochlorins     (780) Organochlorins     (780) Organochlorins     (780) Orga		PURGEABLE SCREENS		EXTRACTABLE SCREENS			
(754) Aromatic & Halogenated Purgeables   (769) Organochlorine Pasticides   (769) Mass Spectromoter Purgeables   (768) Harbicides, Chlorophenocy acid   (769) Trihalomathanes   (769) Organochlorine Pasticides	•.						
(785) Mass Spectromater Purpables   (786) Harbidates, Chicrophanoxy acid   (786) Harbidates, Chicrophanoxy acid   (786) Harbidates, Chicrophanoxy acid   (789) Harbidates, Chicrophanoxy acid   (789) Organocholicale Pathicides   (1781) Organocholicale Pathicides   (1781) Organophonicale Pathicides   (1781) Organophonicale Pathicides   (1781) Organophonicale Biphenyia (PCB's)   (1784) Polymuchar Aromatic Bydrocarbons   (1785) SDWA Pathicides & Harbicides   (1787) Polymbrinated Biphenyia (PCB's)   (1784) Polymuchar Aromatic Bydrocarbons   (1785) SDWA Pathicides & Harbicides   (1787) SDWA Pathicides   (1787) SDWA Path							
(768) Tehsididas, Chlorophenoty acid   (768) Herbicidas, Chlorophenoty acid   (769) Organochlorine Pesticides   (769) Organochlorine Pestici		t e		·			
Other Specific Compounds or Classes   (78)   Berticides, Trainins   (78) Organophosphate Pesticides   (781) Organophosphate Pesticides   (782) SDWA Pesticides & Rerbicides   (782) SDWA Pesticides & Rerbicides & Rerbicides   (782) SDWA Pesticides & Rerbicides & Rerbicides   (782) SDWA Pesticides   (782) SDWA Pesticides & Rerbicides   (782) SDWA Pesticides   (782) SDWA Pesticides							
ANALYTICAL RESULTS  COMPOUND(S) DETECTED  CONC.  [PPB]  ABBREVIATIONS USED:  N D = NONE DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT A LEVEL BELOW THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT OR ABOVE THE STA		1					
(781) Organophosphate Petitides   (787) Polybrucinated Biphenyis (PCB's)   (787) Polybrucinated Biphenyis (PCB's)   (784) Polybrucinated Biphenyis (PCB's)   (782) SDWA Petitides & Rerbicides   (782) SDWA Petitides & Rerbicides &		<b>—</b> ,		1			
ANALYTICAL RESULTS  COMPOUND(s) DETECTED  CONC.  PPB			<del></del>	·			
ANALYTICAL RESULTS  COMPOUND(s) DETECTED  CONC.  PPB							
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PPB		ANZ	ALY IICA	AL RESULTS			
PPB		COMPOUND(S) DETECTED	CONC.	COMPOUND(S) DETECTED	CONC.		
ABBREVIATIONS USED:  N D = NONE DETECTION LIMIT * * 579/L  ABBREVIATIONS USED:  N D = NONE DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  T R = DETECTED AT A LEVEL BELOW THE STATED DETECTION LIMIT (NOT CONFIRMED)  [ RESULTS IN BRACKETS ] ARE UNCONFIRMED AND/OR WITH APPROXIMATE QUANTITATION  LABORATORY REMARKS:    Certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements on this page accurately reflect the analytical results for this sample.  Date(s) of analysis:	. :	• •	[PPB]	· · · · · · · · · · · · · · · · · · ·	[PPB]		
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ABBREVIATIONS USED:  N D = NONE DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  TR = DETECTED AT A LEVEL BELOW THE STATED DETECTION LIMIT (NOT CONFIRMED)  [ RESULTS IN BRACKETS   ARE UNCONFIRMED AND/OR WITH APPROXIMATE QUANTITATION  LABORATORY REMARKS:    Certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements on this page accurately reflect the analytical results for this sample.  Date(s) of analysis:   Japan   Analysis signature:   Japan   J		- Harrigenaries purglances	14:00				
ABBREVIATIONS USED:  N D = NONE DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  TR = DETECTED AT A LEVEL BELOW THE STATED DETECTION LIMIT (NOT CONFIRMED)  [ RESULTS IN BRACKETS   ARE UNCONFIRMED AND/OR WITH APPROXIMATE QUANTITATION  LABORATORY REMARKS:    Certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements on this page accurately reflect the analytical results for this sample.  Date(s) of analysis:   Japan   Analysis signature:   Japan   J		arpmalie / surranbles					
ABBREVIATIONS USED:  N D = NONE DETECTED AT OR ABOVE THE STATED DETECTION LIMIT  TR = DETECTED AT A LEVEL BELOW THE STATED DETECTION LIMIT (NOT CONFIRMED)  [ RESULTS IN BRACKETS   ARE UNCONFIRMED AND/OR WITH APPROXIMATE QUANTITATION  LABORATORY REMARKS:    Certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements on this page accurately reflect the analytical results for this sample.  Date(s) of analysis:   Japan   Analysis signature:   Japan   J		hensohre !	7.3				
* DETECTION LIMIT * * * * * * * * * * * * * * * * * * *		toling					
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					block.		
		// \ _ = 1		•			



New Mexico Health and Envilonment Department SCIENTIFIC LABORATORY DIVISION 700 Camino de Salud NE Albuquerque, NM 87106 — (505) 841-2555



## GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

DATE RECEIVED 4	161dd W	AB 1. 1 101 d	USER CODE _ 59300	<del>X</del> X	OTHER: 822	25	
RECEIVED 7	1288 M	6. WC-1268	Sample location A		<u> </u>		10 1
000414		SITE INFORM- ►		evis Gas	Mode	ffere	y-Lorington
Collection TIME	,	ATION	Collection site description	1 60 0 3			0 - 1 - 1
Collected by — Person A	gericy	/OCD		Cooling	r Jack	sel 1	ussille
180-11	1 orang	7 3 3 3					<i>V</i>
,	NVIRONMENT	TAL RURFAU			***************************************		
SEND N	IM OTH CONS	SERVATION DIV	/ISION	0 v/ (11)			
FINAL	State Land	Office Bldg	• P0_Box⊃208	8-7-1/	***************************************	******	
REPORT TO	Santa Fe, 1	NM 87504-208	O : (	0 1000			
Attn:	David Boy	ver					
			(1)	0109015	Station/		<u> </u>
Phon	e: 827-58	312	Citation of the	MONTO CONT	well code Owner	<u>.</u>	
SAMPLING CO	NDITIONS				Owner		
	□ Pump □ Tap	Water level		Discharge		Sample typ	CRAB
pH (00400)	<u> </u>	Conductivity (Unco		Water Temp. (00010)	4 < °C	Conductivi	ty at 25°C (00094) μmho
Field comments	·		<u> </u>	<del></del>			
	***************************************						***************************************
	~~~~~~~~~~~~						
SAMDI E EIEI D	TREATMEN	Г — Check prope	ar hoves				
No. of samples			☐ F : Filtered in	field with			
submitted	/ ×NF	(Non-filtered)		mbrane filter	2 ml H₂SO₄/I	_ added	
NA: No aci	d added 🗆 C	Other-specify:	□ A:	5ml conc. HNO ₃ ac	ided □A	: 4m1	Fuming HNO ₃ added
ANALYTICAL R	ESULTS from	SAMPLES					<u> </u>
NA			Units Date analyze	From NF,	ofome2 AM	•	Date
Conductivity (C	Corrected)	1227	umho 5/23	T FFOR	MY SQUIDIE	•	Analyzed
25°C (00095)		1004	$_{\text{2mho}} = \frac{5/23}{2}$	-	•	a	
☐ Total non-filtera				Calcium		<u>₹</u> _mg/l	5/16
residue (susper (00530)	nded)		mg/l	Potassium _		4 mg/1	8/10
Other:	-/ab=	8,22	5/24	_ Magnesium _	24.	4 mg/1	5/16
☐ Other: 🦞				- Sodium	\i	8 mg/1	5/13
☐ Other:				Bicarbonate		3 2 mg/1	5/24
A-H ₂ SO ₄						 -	5/18
Nitrate-N + Nit	este N			Chloride _		<u>7 / mg/1</u>	<u> </u>
total (00630)	ırai U -IV		mg/l	Sulfate	112	mg/1	5/20 :
☐ Ammonia-N tot	al (00610)		mg/l	_ Total Soli	is80	<u>9_mg/1</u>	5/20
☐ Total Kjeldahl-N	1		ma/l				
() ☐ Chemical oxyg	 en		mg/l	-	· · · · · · · · · · · · · · · · · · ·		
demand (0034)	D)		mg/l	_ LJ			
☐ Total organic ca	arbon		mg/l	N 02 4 1 2 1 1 2			
☐ Other:			y,	Cation/A			
☐ Other:				Analyst		eported 27188	Reviewed by
) aboratory comerts	<u> </u>				0 1	1 88	<u> </u>
Laboratory remark	> 						

FOR OCD USE -- Date Owner Notified 7

Phone or Letter?

Initals

	CATIONS				ANIONS		
ANALYT	E MEQ.	PPM	DET. LIMIT	ANALYTI	E MEQ.	PPM	DET. LIMIT
Ca Mg Na K	4.39 2.00 5.13 0.10	88.00 24.40 118.00 4.00	<3.0 <0.3 <10.0 <0.3	HC03 SO4 CL	2.25 2.33 7.64	137.00 112.00 271.00	<1.0 <10.0 <5.0
Mn Fe	0.00	0.00	 	NO3 CO3 NH3 PO4	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	< 0. < 1. < 0. < 0.
SUMS	11.63	234.40	į		12.22	520.00	
	Dissolved lance =	Solids= 95.15%	80 9		C No. out/By	= 8801268	<u> </u>



HEAVY TAL ANALYSIS FORM

Telephone: (505)841-2553

Date Received 4/9/88 No. FG-120 Cod	
COLLECTION DATE & TIME: yy mm dd hi	COLLECTION SITE DESCRIPTION
	10 21 100 11 10 XXX
COLLECTED BY: Boy / Lay or &	Cooling Trebot Primp
- Soy Xoy CX	
TO:	OWNER:
ENVIRONMENTAL BUREAU	SITE LOCATION:
NM OIL CONSERVATION DIVISION	County: <u>Les</u>
State Land Office Bldg., PO Box 2	
SANTA FE, NM 87504-2088	Township, Range, Section, Tract: (10N06E24342)
ATTN: DAVID ROMER	1/1515+3171E+0D+41/1/1
TELEPHONE: 827-5812 STA	TION/ WELL CODE:
	various and a second se
LATITUDE, LOI	NGITUDE:
SAMPLING CONDITIONS: Bailed Pump Water Level	Dischause Cample Mane
	l: Discharge: Sample Type:
Dipped Tap pH(00400) Conductivity(Uncorr.) Water	
ph (00400) conductivity (oncorr.) was	(00094)
1680 µmho	45 °C µmho
FIELD COMMENTS:	pantio
TIME COMMITTO.	
SAMPLE FIELD TREATMENT	LAB ANALYSIS REQUESTED:
Check proper boxes:	
WPN: Water WPF: Water	ICAP Scan
Preserved w/HNO, Preserved w/HNO,	Mark box next to metal if AA
Non-Filtered Filtered 3	is required.
	ESULTS (MG/L)
ELEMENT ICAP VALUE AA VALUE	ELEMENT ICAP VALUE AA VALUE
Aluminum <0.\	Silicon 20,
Barium O.	Silver 40.
Beryllium <ol< td=""><td>Strontium 0.9</td></ol<>	Strontium 0.9
Boron 0,3	Tin 40.1
Cadmium 40·1	Vanadium 40.1
Calcium 80.	Zinc O.l
Chromium 40.1 🗵 0.05	Arsenic
Cobalt 40.05	Selenium
Copper <	Mercury
Iron <i>D.5</i>	
Lead	
Magnesium 22.	
Manganese 20.05	
Molybdenum 40.	
Nickel <0.1	
LAB COMMENTS:	01GEST 5/1/88
For COD Hose	, , , ,
For OCD Use: Date Owner Notified: The ICAP	Analyst B Reviewer A
Phone or Letter?	
ETIONE OF TECCES:	

754 88-0488-B TIFIC LABORATORY DIVI 700 Camino de Salud NE Albuquerque, NM 87106 841-2570



STATE OF NEW MEXICO

REPORT TO:	David Boyer	s.l.d. No. OR- 488 A
	N.M. Oil Conservation Division	DATE REC. 4-19-88
	P. O. Box 2088	
	Santa Fe, N.M. 87504-2088	PRIORITY 3
PHONE(S):	327-5812	USER CODE: 8 2 2 3 5
SUBMITTER:	David Boyer	CODE: 2 6 0
SAMPLE COLLE	ection code: (YYMMDDHHMMIII) <u>B B O</u>	41141115225
	WATER SOIL [], FOOD [], OTHER:	CODE:
COUNTY:	es ; CITY: Lorenge	CODE:
LOCATION COL	DE: (Township-Range-Section-Tracts) 1555+	3191E+010+91111(10006E24342)
	QUESTED: Please check the appropriate box(es) belo	-
required. Whenev	er possible list specific compounds suspected or requestrance PURGEABLE SCREENS	EXTRACTABLE SCREENS
[(753) Alipha	tic Purgeables (1-3 Carbons)	(751) Aliphatic Hydrocarbons
/ = :	atic & Halogenated Purgeables	(760) Organochlorine Pesticides
	Spectrometer Purgeables	(755) Base/Neutral Extractables
[(766) Trihal	ometnanes · Specific Compounds or Classes	(758) Herbicides, Chlorophenoxy acid (759) Herbicides, Triagines
Other	Specific Compounds of Classes	(760) Organochlorine Pesticides
<u> </u>	· · · · · · · · · · · · · · · · · · ·	(761) Organophosphate Pesticides
		(767) Polychlorinated Biphenyls (PCB's)
		(764) Polynuclear Aromatic Hydrocarbons
	•	(762) SDWA Pesticides & Herbicides
Remarks:		
FIELD DATA:		
pH=; C	onductivity= 60 umho/cm at 19°C; Chlorin	e Residual=mg/l
Dissolved Oxyger	n=mg/l; Alkalinity=mg/l; Flow Rate_	
Depth to water	ft.; Depth of wellft.; Perforation In	ervalft.; Casing:
Sampling Location	on, Methods and Remarks (i.e. odors, etc.)	
- Dans	1 Cos Processing - Do	Charge in sign from
est	of to Siell, on son pr	(swipace
I certify that the	ne results in this block accurately reflect the results	of my field analyses, observations and Method of Shipment to the Lab:
This form accon	panies Septum Vials, Glass Jugs, and	Vor
Samples were pi	reserved as follows Diotern	
☐ NP:	No Preservation; Sample stored at room temperatu	
P-Ice		
P-Na S O	Sample Preserved with Sodium Thiosulfate to remo	ove chlorine residual.
CHAIN OF CU	STODY	
I certify that th	nis sample was transferred from	to OIL CONSERVATION DIVISION
at (location)		on SANTA FEnd that
the statements i	n this block are correct. Evidentiary Seals: Not Sea	led Seals Intact: Yes No
Signatures		15
Ear በርቦ ሀ	se: Date Owner Notified <u>Molide</u>	Phone or Letter? Initials



LAB. No.: OR-

188

This sample was tested using the analytical scree	ning method(s)	checked below:	
PURGEABLE SCREENS		EXTRACTABLE SCREENS	
(753) Aliphatic Purgeables (1-3 Carbons)		(751) Aliphatic Hydrocarbons	
(754) Aromatic & Halogenated Purgeables		(760) Organochlorine Pesticides	
(765) Mass Spectrometer Purgeables		(755) Base/Neutral Extractables	
(766) Trihalomethanes		(758) Herbicides, Chlorophenoxy acid	
Other Specific Compounds or Classes		(759) Herbicides, Triazines	
		(760) Organochlorine Pesticides	
		(761) Organophosphate Pesticides	
<u>-</u>		(767) Polychlorinated Biphenyls (PCB's)	
		(764) Polynuclear Aromatic Hydrocarbons	
		(762) SDWA Pesticides & Herbicides	
AN	ALYTICA	AL RESULTS	
COMPOUND(S) DETECTED	CONC. [PPB]	COMPOUND(S) DETECTED	CONC.
halveenated surgeables	ND		
Massagenares purglances	10 va)		
artmalie pubgiables	-	·	
Senzene!	492		
toluene	12.5		
A+ m - sixleno	20		
D- Neille	15		
+111	T.R.		
- elayerenzine	1		
<u> </u>			
• DETECTION LIMIT • 🔻	12.549/4	+ DETECTION LIMIT +	
ABBREVIATIONS USED:			
N D = NONE DETECTED AT OR ABOVE	THE STATE	D DETECTION LIMIT	
T R = DETECTED AT A LEVEL BELOW	THE STATE	DETECTION LIMIT (NOT CONFIRMED)	
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LABORATORY REMARKS:			···
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CERTIFICA	TE OF ANAL	YTIÇAL PERSONNEL	
Seal(s) Intact: Yes No Seal(s) broken b	w. Mr	A Wales date:	
I certify that I followed standard laboratory proced			d and
that the statements on this page accurately reflect			u anu
	•		
Date(s) of analysis: 4/20/88. Analyst's s		/	
I certify that I have reviewed and concur with the	analytical resu	ilts for that sample and with the statements in this	block.
Reviewers signature: Kneyerhelm			



New Mexico Health and Environment Department SCIENTIFIC LABORATORY DIVISION 700 Camino de Salud NE Albuquerque, NM 87106 — (505) 841-2555

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

111	/ /						
DATE RECEIVED 4	/1/9188 k	10. WC-1269	USER 59300	o □ 59600 📉	OTHER: 82	235	
BISION DATE	Н	SITE	Sample location			Henn	-losengto
Collection TiME	4	INFORM- ► ATION	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	i wi was		100	-cos cjagos
1115		Allon	Collection site description	The same of the sa	10 n	10 60	Ann Gall
Collected by — Person/		10CD	11-11-01-71	Durang	x for	ge pu	UMI SON
1000				1 77	7	1/2 00	:19
(TNIVI DONMEN	TAL BUREAU	T. T. T. T.	5 · 1	130	10 50	
	NM OT CON	SERVATION DI	VISION			*******************	***************************************
SEND FINAL	State Land	Office Bldg	PO Box 208	8 ∵	***************************************	***************************************	***************************************
REPORT	Santa Fo	NM 87504-208	8				
TO ▶							
Attn	:David_Bo	<u>yer</u>	***************		***************************************	***************************************	/////////////////////////////////////
D.1	007.7				Station/		
Pho	ne: 827-58	312			well code Owner		
SAMPLING CO	SNOITIONS				Owner		
☐ Bailed	□ Pump	Water level	_	Discharge		Sample type	1 0
Dipped	□ Тар	_				_(mal
pH (00400)		Conductivity (Unco	<i>e</i> n / '	Water Temp. (00010)	10/ 00	Conductivity	at 25°C (00094)
		<u> </u>	$860 \mu \text{mho}$		19 00		μmho
Field comments	and a	note	112/10/2				
		-+ gs-(-5	or you				***************************************
		***************************************	·				
CAMBLECIE	O TOE ATMEN	T Chaok prop	ar havas				
		T — Check prope		E-1-1 NA			
No. of samples submitted	I	F: Whole sample (Non-filtered)	F: Filtered in	mbrane filter	2 ml H₂SO₄/	L added	
		- ``					
NA: No ac	cid added 🔲	Other-specify:	□A:	5ml conc. HNO ₃ a	dded 🗖	A: 4ml fu	ming HNO ₃ added
ANALYTICAL	DESILITS from	n SAMDI ES					<u> </u>
NA	NECOLIO NOI	II OAIIII EEO	Units Date analyze	d - 11			
Conductivity ((Corrected)			From W.	NA Sample	:	Date
25°C (00095)	(Corrected)	1020_	umho <u>5/23</u>				Analyzed
` ´				Calcium	90	D_mg/1_	, 5/16
☐ Total non-filter				1= -			=/=
residue (susp (00530)	renaea) r ./		mg/l	│ 🄀 Potassium		_4_mg/1_	<u> </u>
	20H	7.49	504	_ Magnesium .	19	<u>_S_mg/1_</u>	5/16
Other:				- 1′ s.		91_mg/1_	5/10
☐ Other:				Sodium		- 	
				Bicarbonat	e	4 mg/1_	5/24
A-H₂SO₄				Chloride	2	09 mg/1	\$18
☐ Nitrate-N+, N	Nitrate-N					/, zmg/1_	×118
total (00630)			mg/l	_ Sulfate _			2113
☐ Ammonia-N to	, ,		mg/l	- Total Soli	ds	22 mg/1_	5/20
☐ Total Kjeldahl	-N		mg/l	Ĭπ			•
(/ ☐ Chemical oxy	rgen		g/i	-		_	. ,
demand (003		·	mg/l	_ 🛮			
☐ Total organic	carbon						
]_()			. mg/l	- Cation/A	nion Ba	lance 🕳	
☐ Other:				Analyst			Reviewed by
☐ Other:				-		29/88	
Laboratory remar	rks					-, <u>, , , , , , , , , , , , , , , , , , </u>	
207			*******				
					·····		
			1.1.	7		- .	

FOR OCD USE -- Date Owner Notified_

ANALY	CATIONS TE MEQ.	РРМ	DET.	ÅNALYT	ANIONS E MEQ.	РРМ	DET.
Ca Mg Na K	4.49 1.60 3.96 0.10	90.00 19.50 91.00 4.00	<3.0 <0.3 <10.0 '<0.3	HC03 SO4 CL	2.85 1.48 5.90	174.00 71.20 209.00	<1.0 <10.0 <5.0
Mn Fe	0.00 0.00	0.00	5	NÓ3 CO3 NH3 ₽O4	0.00 0.00 0.00	0.00 0.00 0.00 0.00	< 0. < 1. < 0. < 9.
SUME	10.15	204.50	;		10.23	454.20	
	Dissolved alance =	Solids= 99.24%	722		IC No. out/By	= 8801269 S/z 7	_



HEAVY TETAL ANALYSIS FORM Telephone: (505)841-2553

Date Lab TOP-17/ U	ser			
	ode 0 82235			
COLLECTION DATE & TIME: yy mm dd	hh mm COLLECTION SITE DESCRIPTION			
	Davis Gas Pracessens			
COLLECTED BY:	Nischaraspino Gram			
	East Pitto Hell			
TO:	OWNER:			
	——————————————————————————————————————			
ENVIRONMENTAL BUREAU	SITE LOCATION:			
NM OIL CONSERVATION DIVISION	County:			
State Land Office Bldg., PO Box				
SANTA FE, NM 87504-2088				
SANTA FE, NM 07504-2000	Township, Range, Section, Tract: (10N06E24342) $ $			
ATTN: David Bour	V D D+S IV IS TO IS+ TIV IV			
	DETONAL TERMS CORPORATE A SERVICIO DE LA CORPORTA DEL CORPORTA DEL CORPORTA DE LA			
TELEPHONE: 827-581 ST	ATION/ WELL CODE:			
_				
LATITUDE, I	ONGITUDE:			
SAMPLING CONDITIONS:				
Bailed Pump Water Lev				
☑ Dipped ☐ Tap	65ac			
pH(00400) Conductivity(Uncorr.) W				
_ 010	(00094)			
	19°C µmho			
FIELD COMMENTS: oil on pits	William o			
SAMPLE FIELD TREATMENT	LAB ANALYSIS REQUESTED:			
Check proper boxes:				
WPN: Water WPF: Water	ICAP Scan			
Preserved w/HNO, Preserved w/HNO	Mark box next to metal if AA			
Non-Filtered Filtered	is required.			
ANALYTICAL	RESULTS (MG/L)			
ELEMENT ICAP VALUE AA VALUE	ELEMENT ICAP VALUE AA VALUE			
Aluminum 40.	Silicon 14.			
Barium 40.]	Silver 40.1			
Beryllium 40.1	Strontium 0.7			
Boron 0,2	Tin 40.			
Cadmium <0.1	Vanadium 40.			
Chromium 40.1 0.015	Arsenic Zocoo5			
Cobalt < < 0.05	Selenium Z < 0.005			
Copper <u>40.1</u>	Mercury (0,0005			
Iron <u>0.2</u>				
Lead 40.1 <0.01				
Magnesium 16.				
Manganese D.14				
Molybdenum				
Nickel 40.1				
LAB COMMENTS:	0 IGE ST 5/11/8/3			
For OCD Use:	00 0.00			
	P Analyst Reviewer Lawy			
Phone or Letter?	12/20 Pata Para 10/07			
Dot	- Included A /2/99 - Data Data Cara A /////			

88-0490-C CINCTIFIC LABORATORY DIVI





REPORT TO: David Boyer	s.L.D. No. OR- 490 A+B
N.M. Oil Conservation Division	DATE REC. 4-19-88
P. O. Box 2088	
Santa Fe, N.M. 87504-2088	PRIORITY 3
PHONE(s): 327-5812 USE	R CODE: 8 2 2 3 5
SUBMITTER: David Boyer	CODE: 2 6 0
sample collection code: (YYMMDDHHMMIII) $ B B O 4 1$	41103048
SAMPLE TYPE: WATER A. SOIL , FOOD , OTHER:	_ CODE: _
COUNTY: ; CITY: LOYMAND CODE: (Township-Range-Section-Tracts) 1 5 7 + 3 7	CODE:
ANALYSES REQUESTED: Please check the appropriate box(es) below to indi	
required. Whenever possible list specific compounds suspected or required.	
	XTRACTABLE SCREENS
) Aliphatic Hydrocarbons) Organochlorine Pesticides
) Base/Neutral Extractables
(758) Trihalomethanes) Herbicides, Chlorophenoxy acid
) Herbicides, Triazines
	Organochlorine Pesticides
) Organophosphate Pesticides) Polychlorinated Biphenyls (PCB's)
) Polynuclear Aromatic Hydrocarbons
(762) SDWA Pesticides & Herbicides
11	'
Remarks:	
Remarks: FIELD DATA:	
Remarks:	
Remarks: FIELD DATA:	!=mg/l
Remarks: FIELD DATA: pH=; Conductivity= \(\frac{750}{250} \) umho/cm at \(\frac{14}{250} \) C; Chlorine Residua	l=mg/l
FIELD DATA: pH=; Conductivity= \(\frac{750}{250} \) umho/cm at \(\frac{1}{250} \) G; Chlorine Residua Dissolved Oxygen=mg/l; Alkalinity=mg/l; Flow Rate Depth to waterft.; Depth of wellft.; Perforation Interval Sampling Location, Methods and Remarks (i.e. odors, etc.)	l=mg/lft.; Casing:
PIELD DATA: pH=; Conductivity=bounho/cm atfc; Chlorine Residua Dissolved Oxygen=mg/l; Alkalinity=mg/l; Flow Rate Depth to waterft.; Depth of wellft.; Perforation Interval	l=mg/lft.; Casing:
FIELD DATA: pH=; Conductivity=	=mg/l
PIELD DATA: pH=; Conductivity= \frac{750}{250} \text{umho/cm at } \frac{1}{250} \text{C}; Chlorine Residual Dissolved Oxygen=mg/l; Alkalinity=mg/l; Flow Rate Depth to waterft.; Depth of wellft.; Perforation Interval Sampling Location, Methods and Remarks (i.e. odors, etc.) Add Ad	=mg/lft.; Casing: **Lower drain hate **Lower dra
FIELD DATA: pH=; Conductivity= \frac{750}{250} \text{umho/cm} \text{ at } \frac{1}{250} \text{c}; Chlorine Residual Dissolved Oxygen=mg/l; Alkalinity=mg/l; Flow Rate Depth to waterft.; Depth of wellft.; Perforation Interval Sampling Location, Methods and Remarks (i.e. odors, etc.)	=mg/lft.; Casing: **Lower drain hate **Lower dra
FIELD DATA: pH=; Conductivity= \frac{750}{250} \text{umho/cm at } \frac{1}{250} c; Chlorine Residual Dissolved Oxygen=mg/l; Alkalinity=mg/l; Flow Rate Depth to waterft.; Depth of wellft.; Perforation Interval Sampling Location, Methods and Remarks (i.e. odors, etc.) I certify that the results in this block accurately reflect the results of my finactivities (signature collector):	=mg/lft.; Casing: **Lower drain hate **Lower dra
FIELD DATA: pH=; Conductivity= \frac{750}{250} \text{umho/cm} \text{ at } \frac{1}{250} \text{c}; Chlorine Residual Dissolved Oxygen=mg/l; Alkalinity=mg/l; Flow Rate Depth to waterft.; Depth of wellft.; Perforation Interval Sampling Location, Methods and Remarks (i.e. odors, etc.)	=mg/lft.; Casing: **Lower drain hate **Lower dra
FIELD DATA: pH=; Conductivity=	I=mg/lft.; Casing: Touser drain hase Lo sase poid eld analyses, observations and od of Shipment to the Lab: StateCas
PIELD DATA: pH=; Conductivity=	l=mg/lft.; Casing: **Tower drain hate To east pit eld analyses, observations and od of Shipment to the Lab: **StateCar** the residual.
PIELD DATA: pH=; Conductivity=	to
FIELD DATA: pH=; Conductivity=mg/l; Alkalinity=mg/l; Flow Rate Depth to waterft.; Depth of wellft.; Perforation Interval Sampling Location, Methods and Remarks (i.e. odors, etc.)	l=mg/lft.; Casing: To ease poid eld analyses, observations and of Shipment to the Lab: TaleCas the residual.
FIELD DATA: pH=; Conductivity= 750 umho/cm at 14°C; Chlorine Residual Dissolved Oxygen=mg/l; Alkalinity=mg/l; Flow Rate Depth to waterft.; Depth of wellft.; Perforation Interval Sampling Location, Methods and Remarks (i.e. odors, etc.) I certify that the results in this block accurately reflect the results of my finactivities (signature collector):	to OIL CONSERVATION DIVISION SANTAFF that

For OCD Use: Date Owner Notified

Initials



LAB. No.: OR- 490

This sample was tested using the analytical screening method(s) checked below:				
PURGEABLE SCREENS [(753) Aliphatic Purgeables (1-3 Carbons) [(754) Aromatic & Halogenated Purgeables [(765) Mass Spectrometer Purgeables [(766) Trihalomethanes Other Specific Compounds or Classes	EXTRACTABLE SCREENS (751) Aliphatic Hydrocarbons (760) Organochlorine Pesticides (755) Base/Neutral Extractables (758) Herbicides, Chlorophenoxy acid (759) Herbicides, Triazines (760) Organochlorine Pesticides (761) Organophosphate Pesticides (767) Polychlorinated Biphenyls (PCB's) (764) Polynuclear Aromatic Hydrocarbons (762) SDWA Pesticides & Herbicides			
ANALY	TICAL RESULTS			
	NC. COMPOUND(S) DETECTED CONC. PB [PPB]			
* DETECTION LIMIT * * 5 ABBREVIATIONS USED: N D = NONE DETECTED AT OR ABOVE THE T R = DETECTED AT A LEVEL BELOW THE	+ DETECTION LIMIT + + STATED DETECTION LIMIT (NOT CONFIRMED) CD AND/OR WITH APPROXIMATE QUANTITATION			
(
LABORATORY REMARKS:				
CERTIFICATE O	F ANALYTICAL PERSONNEL			
Seal(s) Intact: Yes No Seal(s) broken by: I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements on this page accurately reflect the analytical results for this sample. Date(s) of analysis: Seal(s) broken by: Alalysis of this sample unless otherwise noted and that the statements on this page accurately reflect the analytical results for this sample. I certify that I have reviewed and concurrent the analytical results for this sample and with the statements in this block.				
Reviewers signature: L'Mingabern				



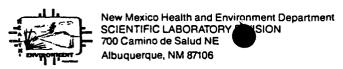
New Mexico Health and Environment Department
SCIENTIFIC LABORATORY DIVISION
700 Camino de Salud NE
Albuquerque, NM 87106 — (505) 841-2555

859 Wnr

GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

دا مارس	Albuquerque, INIV	1 6/100 — (505) 641-2	333					
DATE RECEIVED 4	1/9/88 1	AB O.WC-1266	USER 59300	o □ 59600 💢 🔾	OTHER: 82	235		
Collection TIME	1	SITE INFORM- ► ATION	Sample location	peris Gos	Proc	Usin	g-loju	ytor
Collected by -¿Person/	/Agency		Collection site description	Coolina	Towe	s els	rain l	Me
Ro	yr / Ses	y /OCD [7	/	2	
	FILLY DONNEN	//			12 6	af (1)	\mathcal{A}_{\bullet}	
	ENVIRONMENT	TAL BUREAU SERVATION DIV	'ISION		***************************************		••••••	
SEND FINAL REPORT	State Land	Office Bldg,	, PO Box 2088	8	.,			
TO	Santa Fe, i	NM 87504-2088	3					
Attn	:David_Bo	<u>yer</u>					<u></u>	
Pho	ne: 827-58	₹1 2			Station/ well code			
SAMPLING CO		,12			Owner			
☐ Bailed	□ Pump	Water level	-	Discharge		Sample type		
Dipped	□ Тар		<u> </u>				GRBB	-
pH (00400)		Conductivity (Uncor	rrected) 50 μmho	Water Temp. (00010)	14 °C	Conductivity	at 25°C (00094)	µmho
Field comments	Bil	20 (0.00-1)			<u> </u>			'
		1 Surge	RL Q					
		<i>U</i>						
SAMPLE FIEL	D TREATMEN	T — Check prope						
No. of samples submitted	1 OLNI	F: Whole sample (Non-filtered)	□ F: Filtered in 0.45 µme	field with	2 ml H₂SO₄/	L added		
NA: No ac	cid added 🗆 (Other-specify:	□A:	5ml conc. HNO3 a	dded . 🗆 🛭	A: 4ml f	uming HNO ₃	added
	RESULTS from							
NA			Units Date analyze	From M.	NA Sample	:	Date	
Conductivity (25°C (00095)		1030	umho	_			Analyzed	•
☐ Total non-filte	rable		•	Calcium	78	mg/1_	5/16	
residue (susp				Potassium _		4 mg/1_	5/10	
(00530) Cother:	H 10h =	7.41	mg/l <u>5) 구식</u>	Magnesium _	23.	2 mg/1	5/16	
☐ Other:				- Sodium		7.5mg/1	5/10	
☐ Other:		<u> </u>		Bicarbonate			5/24	
A-H₂SO₄				Chloride _			5/17	
☐ Nitrate-N+, N	Nitrate-N			Sulfate			5/17	
total (00630)	otal (00610)		mg/l	Total Soli			5/17	
☐ Total Kjeldahl				10121 3011	4-40)/()			
() □ Chemical oxy			mg/l	ㅣ닏		-		
demand (003	40)		mg/l	_				
☐ Total organic			mg/l	- ☐ Cation/A	nion Ba	lance		
☐ Other:				Analyst			Revigwed by	
☐ Other:				-		26 88		
Laboratory remar	rks							
	************************				***********************		***************************************	
			<u> </u>					*************
FOR OCD US	SE Date (Owner Notifie	d	Phone or Lett	er?	In	itals	

	CATIONS				ANIONS		
ANALY	TE MEQ.	PPM	DET. LIMIT	ANALYT	E MEQ.	PPM	DET. LIMIT
Ca Mg Na K	3.89 1.91 4.24 0.10	78.00 23.20 97.50 4.00	<3.0 <0.3 <10.0 <0.3	HC03 SO4 CL	2.21 2.19 7.11	135.00 105.00 252.00	
Mn Fe	0.00	0.00		NO3 CO3 NH3 PO4	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	< 0. < 1. < 0. < 0.
SUMS	10.14	202.70		! 	11.51	492.00	
	Dissolved alance =	Solids= 88.12%	690		C No. out/By	= \$8012)66 5/27	_



HEAVY ETAL ANALYSIS FORM Telephone: (505)841-2553

Date Lab Tal 122 Use	
Received 4/9/88 No. + (7-/2-) Cod	
COLLECTION DATE & TIME: yy mm dg ht	COLLECTION SITE DESCRIPTION
BB 04 14 110	30 April Gas Processing -
COLLECTED BY:	Armeta.
Rough Sepul OCK	Cooling De Tarben
	The said bace t
то:	OWNER: Electrical
10.	- Part fra
	CTER TOCKETON.
ENVIRONMENTAL BUREAU	SITE LOCATION:
NM OIL CONSERVATION DIVISION	County: Led
State Land Office Bldg., PO Box 2	2088
SANTA FE, NM 87504-2088	Township, Range, Section, Tract: (10N06E24342)
\ . O \(\tau \)	1/1518+31716+012+41/1/1
ATTN: ROUND KOURR	
	TION/ WELL CODE:
LATITUDE, LO	NCTWIDE+
	MGIIUDE.
SAMPLING CONDITIONS:	l. Dischause
Bailed Pump Water Level	
☐ Dipped ☐ Tap	GRAR
pH(00400) Conductivity(Uncorr.) Wa	ter Temp. (00010) Conductivity at 25 C
	(00094)
750 µmho	μmho μmho
FIELD COMMENTS: Bil on funkar	
SAMPLE FIELD TREATMENT	LAB ANALYSIS REQUESTED:
Check proper boxes:	THE AMADIDIE AUGULDINE.
	ICAP Scan
Preserved w/HNO3 Preserved w/HNO3	
Non-Filtered 5 Filtered 5	is required.
ANALYTICAL	RESULTS (MG/L)
ELEMENT ICAP VALUE AA VALUE	ELEMENT ICAP VALUE AA VALUE
Aluminum <0.	Silicon <u>15.</u>
Barium <a>	Silver <u>40.</u>
Beryllium <0.1	Strontium 0.8
Boron 0.2	Tin 40.1
Cadmium <0.1	Vanadium <0.1
Calcium 75.	Zinc <0.
Chromium 40.1 🛮 0.0/3	Arsenic
	Selenium
	Marie
Copper 40.1	Mercury
Iron <u>0.4</u>	
Lead <0. 🗵 (0.01	
Magnesium 18.	
Manganese 0.05	
Molybdenum <0.1	
Nickel 40.	i i
LAB COMMENTS:	DIGEST 5/11/88
TEM COLUMN TO .	0166212/11/8
For OCD Hoos	A A A
For OCD Use:	2-1 OB 2 (VM 11- 1/20)
Date Owner Notified: ICAP	Analyst Reviewer The Sally
Phone or Letter?	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
Initials: Date	Analyzed 5/3/88 Date Reverved 0/4/8/

NTIFIC LABORATORY DIM 700 Camino de Salud NE 88-0493-

Albuquerque, NM 87106 841-2570



STATE OF NEW MEXICO

REPORT TO:	David Boyer	S.L.D. No. OR	493 A+B
-	N.M. Oil Conservation Division	DATE REC	4-19-88
•	P. 0. Box 2088		
	Santa Fe, N.M. 87504-2088	PRIORITY 3	
PHONE(S):	327-5812 usi	ER CODE: [8 2 2	3 5
SUBMITTER:	David Boyer	CODE: 12 16 10	
SAMPLE COLLE	ection code: (YYMMDDHHMMIII) $ B 8 0 4 1$	4110505	AND T
SAMPLE TYPE:	WATER A, SOIL , FOOD , OTHER:	CODE:	J
COUNTY: Le	o ; CITY: Lorngton	CODE:	ll
LOCATION COL	E: (Township-Range-Section-Tracts) 1155+317	E+012+411	(10N06E24342)
ANALYSES REC	QUESTED: Please check the appropriate box(es) below to ind	licate the type of analytic	al screens
required. Whenev	ver possible list specific compounds suspected or required. PURGEABLE SCREENS	EXTRACTABLE SCREEN	S
(753) Alipha		1) Aliphatic Hydrocarbons	-
(754) Aroma	atic & Halogenated Purgeables (76	0) Organochlorine Pesticid	es
	Turned .	5) Base/Neutral Extractab	,
(766) Trihal		8) Herbicides, Chloropheno	xy acid
Other	1	9) Herbicides, Triazines	
<u> </u>		 Organochlorine Pesticide Organophosphate Pestic 	
<u> </u>		7) Polychlorinated Biphen	
<u></u>		4) Polynuclear Aromatic I	•
		2) SDWA Pesticides & H	
	· ·	-,	
Remarks:			
	1		
PIELD DATA:	onductivity=2655umho/cm at 27 °C; Chlorine Residu	al= mg/l	
	mg/l; Alkalinity= mg/l; Flow Rate		
	ft.; Depth of well ft.; Perforation Interval		
Sampling Location	on, Methods and Remarks (i.e. odors, etc.)		
Bayis	Cos mocessing-Hose dis	charge sort	mplant
oil/u	onte, separatos to Siell-	oily sheen	, dark colo
	he results in this block accurately reflect the results of my	field analyses, observations	and to
	ne collector): Methodologies Septum Vials, Glass Jugs, and/or	nod of Shipment to the L	ao: OURCE CO
F	reserved as follows:		
∏ NP:	No Preservation; Sample stored at room temperature.		
;	Sample stored in an ice bath (Not Frozen).	ហ្គ្រាងស្រៀងរំ	
/· ·	Sample Preserved with Sodium Thiosulfate to remove chlor	ine residual	
CHAIN OF CU	STODY	161315	8 1984 11.1
I certify that t	his sample was transferred from		0 1500
at (location)	on	JGIL COMSERVA	
the statements	in this block are correct. Evidentiary Seals: Not Sealed	Seals Intact: Yes I	40 ☐ ♥ 1.E
Signatures		·	Ţ.
			·
For OCD L	Ise: Date Owner Notified 1/2 22 Phone	er-Letter?	Initials

This sample was tested using the analytical screening method(s) checked below:						
PURGEABLE SCREENS EXTRACTABLE SCREENS						
(753) Aliphatic Purgeables (1-3 Carbons)		(751) Aliphatic Hydrocarbons				
(754) Aromatic & Halogenated Purgeables		(760) Organochlorine Pesticides				
(765) Mass Spectrometer Purgeables		(755) Base/Neutral Extractables				
(766) Trihalomethanes		(758) Herbicides, Chlorophenoxy acid				
Other Specific Compounds or Classes		(759) Herbicides, Triazines				
		(760) Organochlorine Pesticides				
		(761) Organophosphate Pesticides				
		(767) Polychlorinated Biphenyls (PCB's)				
		(764) Polynuclear Aromatic Hydrocarbons				
		(762) SDWA Pesticides & Herbicides	•			
						
AAI	A 1 VTIC A	L DECULTS				
AN	ALY IICA	L RESULTS				
COMPOUND(S) DETECTED	CONC.	COMPOUND(S) DETECTED	CONC.			
· · · · · · · · · · · · · · · · · · ·	[PPB]		[PPB]			
haliant ()	4. ()					
Mourgenare a surgenies	N.J.					
Aromatic Aluxa enble	semula					
	700					
Jengest V	7525					
Tolliene	1875					
7/16						
ethyl venzenc	50		<u> </u>			
Atm-valence	225					
O- in leave	135					
	 					
		1	}			
* DETECTION LIMIT * *	12.5 2					
* DETECTION LIMIT * T	10.00	+ DETECTION LIMIT + 1	1			
ABBREVIATIONS USED:						
N D = NONE DETECTED AT OR ABOVE	THE STATE	DETECTION LIMIT				
T R = DETECTED AT A LEVEL BELOW	THE STATED	DETECTION LIMIT (NOT CONFIRMED)				
[RESULTS IN BRACKETS] ARE UNCON	FIRMED AND/	OR WITH APPROXIMATE QUANTITATION				
	1 1 -					
LABORATORY REMARKS: James Carl	y eluli	my umaturated compound	de at			
10550 AND wheel to six I	loste a	Acting compressed in The	2 03			
1 that I	Maria La Companya da Companya	+ I the	1			
Sussibility benjere su	substituted benieve region at 10-50 and delected the					
the spotownization	detesto	whit but identified	1.			
	- present	the your many	<i>V</i>			
CERTIFICA	TE OF ANALY	TICAL PERSONNEL				
Seal(s) Intact: Yes No 4. Seal(s) broken b	+					
		date:	d and			
I certify that I followed standard laboratory procedu		•	u and			
that the statements on this page accurately reflect	•					
Date(s) of analysis: 4/20/88 . Analyst's si	ignature:	Han C. Elen				
I certify that I have reviewed and concur with the		- , ,	n block			
// 5/	SHALF TEST	tes for Artes sample and ment the statements in this	s DIOCK.			
Reviewers signature: Reviewers signature:						
	 					



New Mexico Health and Environment SCIENTIFIC LABORATORY DI 700 Camino de Salud NE nt Department Albuquerque, NM 87106 -- (505) 841-2555

RAL WATER CHEMISTRY and NITROGEN ANALYSIS

TILOLIVLO	V9 186 N	8. WC-1267	USER CODE 59300	□ 59600 🛣 o	THER: 822	235	
Collection DATE Collection TIME		SITE INFORM-► ATION	Sample location	ers Goy	\wedge	ssing	loverglon
Collected by — Person/A	gency Seaso	/OCD	Collection site description	Hosedisc	long	e fre	om plant
SEND FINAL SEPORT TO	State Land	SERVATION DIN Office Bldg NM 87504-208	/ISION 2088 PO Box 2088		to s	wale) Reparato
Phon		312	0.5	Signal Care Care	Station/ well code Owner		
SAMPLING COI		Motor lovel	==::	Discharge		Comple turn	
17	□ Pump □ Tap	Water level		Discharge	_	Sample type	GRO 62
pH (00400)		Conductivity (Unco	rrected) — 475 μmho	Water Temp. (00010)	27 ℃	Conductivit	y at 25°C (00094) µmho
Field comments	in les	Moon	of per la	colon:			
***************************************	a const	in the board	CAN LAU				
***************************************	***************************************						
		T — Check prope					
No. of samples submitted	/ KNF	Whole sample (Non-filtered)	□ F: Filtered in 0.45 μmer	mbrane filter	ml H₂SO₄/	L added	
NA: No aci	d added 🗆 C	Other-specify:	□A:	5ml conc. HNO3 ad	ded □ <i>I</i>	4m1 f	uming HNO ₃ added
ANALYTICAL R	ESULTS from						
NA NA			Units Date analyzed	From M,	NA Sample	:	Date
Conductivity (C 25°C (00095)	,orrected) 	2641	umho <u>5/23</u>	-	_	,	Analyzed
□ Total non-filtera residue (suspe (00530) □ Other: □ Other:	nded)	7.24	mg/l	Calcium Potassium Magnesium Sodium Bicarbonate	135, 21	2 mg/1 2 mg/1 4 mg/1 mg/1 04 mg/1	5/10 5/10 5/10 5/24
A-H₂SO₄				Chloride _		<u>^</u> mg/1	5/12
☐ Nitrate-N + , Ni	trate-N			Sulfate		mg/1	5/19
total (00630) Ammonia-N tot	tal (00610)		mg/l	Total Solid			5/12
☐ Total Kjeldahl-N	٧		mg/l	15			
☐ Chemical oxyg demand (0034)			mg/l			·	
☐ Total organic ca	•			L	-		
Other:			mg/l	Cation/A			
☐ Other:				Analyst		eported 26 88	Reviewed by
Laboratory remark	s				1 2 1	-0 2 0	
					***************************************		######################################
FOR 667 ::=		D 37 15 *	<u></u>	Phone or Lett	or?	т_	itals
FOR OCD USE	u Date (Owner Notifie	ed <u>* // // </u>	Z	er: <u> </u>	<u>+</u> n	Trais

ANALYTI	CATIONS E MEQ.	PPM	DET. LIMIT	ANALYTI	ANIONS E MEQ.	PPM	DET. LIMIT
Ca Mg Na K	7.58 11.09 9.40 0.31	152.00 135.00 216.00 12.00	<3.0 <0.3 <10.0 <0.3	HC03 SO4 CL	8.26 2.33 16.64	504.00 112.00 590.00	<1.0 <10.0 <5.0
Mn Fe	0.00	0.00		NO3 CO3 NH3 PO4	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	< 0. < 1. < 0. < 0.
SUMS	28.38	515.00	ļ		27.24	1206.00	
	Dissolved lance =	Solids= 104.18%	1916		C No.	= 8801267	127



New Mexico Health and Environment Department SCIENTIFIC LABORATORY 700 Camino de Salud NE Albuquerque, NM 87106

HEAVY TETAL ANALYSIS FORM Telephone: (505)841-2553

Date Lab LADUOZ Use	
Received 4 9 8 No. 4 7 3 Coo	
COLLECTION DATE & TIME: XX mm dd h	collection site description
COLLECTED BYY)	John But State
Kout Keall Och	Hose Signature intity
- 300 11 1 5000 500	- January to
TO:	OWNER:
ENVIRONMENTAL BUREAU	SITE LOCATION:
NM OIL CONSERVATION DIVISION	County:
State Land Office Bldg., PO Box 3 SANTA FE, NM 87504-2088	
SANTA FE, NA 6/504-2008	Township, Range, Section, Tract: (10N06E24342)
ATTN: Period Boy	
120 1 20 2 2 2	FION/ WELL CODE:
_	
LATITUDE, LO	NGITUDE:
SAMPLING CONDITIONS:	la Binchamas I Camala Marca
☐ Bailed ☐ Pump Water Level ☐ Dipped ☐ Tap	l: Discharge: Sample Type:
pH(00400) Conductivity(Uncorr.) War	ter Temp. (00010) Conductivity at 25°C
ph (00400) Conductivity (oncoll.) wa	(00094)
2695 umho	umho umho
FIELD COMMENTS: _ & Noem &	and colon
SAMPLE FIELD TREATMENT	TAR AVALUATO PROFESCIONER.
Check proper boxes:	LAB ANALYSIS REQUESTED:
WPN: Water WPF: Water	☑ ICAP Scan
Preserved w/HNO3 Preserved w/HNO3	Mark box next to metal if AA
Non-Filtered Filtered 3	is required.
ANIALVEICAL	AFCULTC (MC/L)
	RESULTS (MG/L)
ELEMENT ICAP VALUE AA VALUE	ELEMENT ICAP VALUE AA VALUE
Aluminum 0.4 Barium 0.1	Silicon 12.
Barium O. Beryllium <0.	Silver <u>40.</u> □
Boron 0.3	Tin 40.
Cadmium 40.1	Vanadium < 0.1
Calcium /50.	Zinc O.I
Chromium <0. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Arsenic 💹 0.007
Cobalt 40.	Selenium 2 co. oo5
Copper 40.1	Mercury (20,0005)
Iron <u>1.8</u>	
Lead <0.1 (0.01	
Magnesium 36. Manganese 40.05	·
Molybdenum 40.1	
Nickel 40:	
LAB COMMENTS:	DIGEST
For OCD Tree	
For OCD Use: Date Owner Notified: 768 ICAP	Analyst B Reviewer Links
Phone or Letter?	
Initials: Date	Analyzed 5/3/88 Date Reveived 6/14/88

88-049

FIC LABORATORY DIVISION
700 Camino de Salud NE
...ouquerque, NM 87106 841-2570



STATE OF NEW MEXICO

REPORT TO: David Boyer	S.L.D. No. OR- 49/ A+B			
N.M. Oil Conservation Division	DATE REC			
P. O. Box 2088	_			
Santa Fe, N.M. 87504-2088	PRIORITY 3			
PHONE(S): 327-5812 USE	CR CODE: 8 2 2 3 5			
SUBMITTER: David Boyer	CODE: 2 6 0			
sample collection code: (YYMMDDHHMMIII) 88041	41125248			
SAMPLE TYPE: WATER , SOIL , FOOD , OTHER:	CODE: _			
COUNTY: NO PUNGLADO; CITY: LEA	CODE:			
LOCATION CODE: (Township-Range-Section-Tracts) 1/5/5+3/2/	$ E+\mathcal{D} \mathcal{A}+\mathcal{S} \mathcal{A} \mathcal{A} (10\text{N06E24342})$			
ANALYSES REQUESTED: Please check the appropriate box(es) below to ind required. Whenever possible list specific compounds suspected or required.	icate the type of analytical screens			
	EXTRACTABLE SCREENS			
	1) Aliphatic Hydrocarbons			
	0) Organochlorine Pesticides			
	5) Base/Neutral Extractables 8) Herbicides, Chlorophenoxy acid			
	9) Herbicides, Triazines			
· · · · · · · · · · · · · · · · · · ·	0) Organochlorine Pesticides			
	1) Organophosphate Pesticides			
	7) Polychlorinated Biphenyls (PCB's)			
	4) Polynuclear Aromatic Hydrocarbons			
	2) SDWA Pesticides & Herbicides			
Remarks:				
FIELD DATA:				
pH=; Conductivity=	al=mg/l			
Dissolved Oxygen=mg/l; Alkalinity=mg/l; Flow Rate				
Depth to waterft.; Depth of wellft.; Perforation Interval	ft.; Casing:			
Sampling Location, Methods and Remarks (i.e. odors, etc.)				
Shillower, Silomersible pump				
I certify that the results in this block accurately reflect the results of my factivities (signature collector):	od of Shipment to the Lab: Tale Can			
This form accompanies Septum Vials, Glass Jugs, and/or				
Samples were preserved as follows:				
NP: No Preservation; Sample stored at room temperature.	- Caragasia			
P-Ice Sample stored in an ice bath (Not Frozen).	1013(13/3/17/12)			
P-Na S O Sample Preserved with Sodium Thiosulfate to remove chlor-	ine residual.			
I certify that this sample was transferred from	to 1988 1988			
at (location) on				
	//_OIL CONSERVATION PAYISION			
the statements in this block are correct. Evidentiary Seals: Not Sealed	OIL CONSERVATION CALLSION SANTA FE Seals Intact: Yes No No			
the statements in this block are correct. Evidentiary Seals: Not Sealed	SANTAPE			



LAB. No.: OR- 49/

This sample was tested using the analytical screen	ing method(s)	checked below:	
PURGEABLE SCREENS (753) Aliphatic Purgeables (1-3 Carbons) (754) Aromatic & Halogenated Purgeables (765) Mass Spectrometer Purgeables (766) Trihalomethanes Other Specific Compounds or Classes		EXTRACTABLE SCREENS (751) Aliphatic Hydrocarbons (760) Organochlorine Pesticides (755) Base/Neutral Extractables (758) Herbicides, Chlorophenoxy acid (759) Herbicides, Triazines (760) Organochlorine Pesticides (761) Organophosphate Pesticides (767) Polychlorinated Biphenyls (PCB's) (764) Polynuclear Aromatic Hydrocarbons (762) SDWA Pesticides & Herbicides	
ANA	ALYTICA	L RESULTS	
COMPOUND(S) DETECTED	CONC. [PPB]	COMPOUND(S) DETECTED	CONC. [PPB]
habagnated surgeables			
1 1 Die bloom allahre	1.5		
tice the state			
	-2		
7: 10	40		
aromatie surgeables	NoD.		
		·	
* DETECTION LIMIT * *	.5 48/C	+ DETECTION LIMIT + +	
ABBREVIATIONS USED: N D = NONE DETECTED AT OR ABOVE T R = DETECTED AT A LEVEL BELOW [RESULTS IN BRACKETS] ARE UNCONF LABORATORY REMARKS:	THE STATED	DETECTION LIMIT (NOT CONFIRMED)	
	· · · · · · · · · · · · · · · · · · ·		·
CERTIFICAT	E OF ANALY	TICAL PERSONNEL	
Seal(s) Intact: Yes No Seal(s) broken by		+ 11	
I certify that I followed standard laboratory procedure that the statements on this page accurately reflect to	res on handling he analytical re	and analysis of this sample unless otherwise note esults for this sample.	d and
Date(s) of analysis: 4/20/88 . Analyst's sig	nature:	Jary C. Eller	
I certify that I have reviewed and concur with the	analytical resul	ts for the sample and with the statements in this	block.
The second of th			



New Mexico Health and Environment Department SCIENTIFIC LABORATORY DIVISION 700 Camino de Salud NE Albuquerque, NM 87106 — (505) 841-2555



GENERAL WATER CHEMISTRY and NITROGEN ANALYSIS

RECEIVED 4	17988 N	8 WC-1270	USER 5930	o ☐ 59600 🖎 c	THER: 822	235	
Collection DATE B D4 4 Collection TIME.		SITE INFORM- >	Sample location 6		51	Jing	losergton
Collected by — Person		en /OCD	Collection site description	west w	ates	wel	L
SEND FINAL REPORT	ENVIRONMEN' NM OIL CON State Land	TAL BUREAU	[VISION] PO Box, 208 88	ولمحتومة والممسين	- Ska	lloev	ez-sub- llepump
Attn	: David Bo	yer		WELLINE TO STORY			
Pho	one: 827-58	312	Ca /	المساوية والمرازية	Station/ well code	*****	
SAMPLING CO	ONDITIONS				Owner		
☐ Bailed ☐ Dipped	Pump Tap	Water level		Discharge		Sample typ	"Grab
pH (00400)		Conductivity (Und	corrected) µmho	Water Temp. (00010)	2000	Conductivit	y at 25°C (00094) μmho
Field comments				:			

		T — Check prop					
No. of samples submitted) (XIII	Whole sample (Non-filtered)	□ F: Filtered in 0.45 μme	ifield with	! ml H₂SO₄/i	_ added	
NA: No a	cid added: 🗆 (Other-specify:	□A:	5ml conc. HNO ₃ ad	lded 🗖 A	: 4ml f	Fuming HNO ₃ added
	RESULTS from	1 SAMPLES					
NA Conductivity	(Corrected)	2127	Units Date analyze µmho 5/23	From NE,	NA Sample	:	Date Analyzed
/`25°C (00095)			_µmho	Calcium	2m	<u>4</u> mg/1	5/16
☐ Total non-filte residue (susp						T _	
(00530)	i			1 1/1 20777511100		₽/ ma/l	5/10
M Other: LAL	b AH =	7.83	mg/1 5/24	Potassium _	36.	<u>4</u> mg/1 6 mg/1	5/10
☑ Other:	bp# =	7,89	mg/l 5/24	Magnesium _		<u>6</u> mg/1	5/16
	bp# =	7,83	mg/l 5/24	MagnesiumSodium	[E	6 mg/1 8 mg/1	5/16
☐ Other:	b p# ==	7 .83	mg/l 5/24	Magnesium Sodium Bicarbonate	්	6 mg/1 8 mg/1 24 mg/1	5/16 5/10 5/14
☐ Other: ☐ Other: ☐ Other: A-H ₂ SO ₄ ☐ Nitrate-N+,	Nitrate-N	7 .83	5/24	Magnesium Sodium Bicarbonate Chloride	<u>[8</u>	6 mg/1 8 mg/1 24 mg/1 0 mg/1	5/16
☐ Other: ☐ Other: ☐ A-H ₂ SO ₄	Nitrate-N	구.83	5 24 mg/1	Magnesium Sodium Bicarbonate Chloride Sulfate	114 114	6 mg/1 8 mg/1 90 mg/1 0 mg/1 mg/1	5/16 5/10 5/24 5/20
Other: Other: A-H ₂ SO ₄ Nitrate-N + 1 total (00630) Ammonia-N 1 Total Kjeldah	Nitrate-N	7 .83	5 24 mg/l	Magnesium Sodium Bicarbonate Chloride	114 114	6 mg/1 8 mg/1 90 mg/1 0 mg/1 mg/1	5/16 5/10 5/24 5/20
☐ Other: ☐ Other: ☐ Other: ☐ Nitrate-N +, I total (00630) ☐ Ammonia-N (☐ Total Kjeldah (☐)	Nitrate-N total (00610)	⊋,83	5 24 mg/1	Magnesium Sodium Bicarbonate Chloride Sulfate	114 114	6 mg/1 8 mg/1 90 mg/1 0 mg/1 mg/1	5/16 5/10 5/20
Other: Other: A-H ₂ SO ₄ Nitrate-N + , total (00630) Ammonia-N (Total Kjeldah () Chemical oxydemand (003	Nitrate-N total (00610)	7.83	5 24 mg/l	Magnesium Sodium Bicarbonate Chloride Sulfate	114 114	6 mg/1 8 mg/1 90 mg/1 0 mg/1 mg/1	5/16 5/10 5/20
☐ Other: ☐ Other: ☐ Other: ☐ Nitrate-N + 1 total (00630) ☐ Ammonia-N (☐ Total Kjeldah (☐) ☐ Chemical oxy	Nitrate-N total (00610)	⊋,83	mg/lmg/l	Magnesium Sodium Bicarbonate Chloride Sulfate Total Solid	<u> </u> <u> </u> <u> </u>	6 mg/1 60 mg/1 124 mg/1 0 mg/1 0 mg/1	5/16 5/10 5/20
Other: Other: A-H ₂ SO ₄ Nitrate-N + 1 total (00630) Ammonia-N (100630) Total Kjeldah (100630) Chemical oxydemand (0030) Total organic (1006) Other:	Nitrate-N total (00610)	7.83		Magnesium Sodium Bicarbonate Chloride Sulfate Total Solid		6 mg/1 8 mg/1 9 mg/1 0 mg/1 mg/1 0 mg/1	5/16 5/10 5/20 11 4/10
Other: Other: A-H ₂ SO ₄ Nitrate-N + 1 total (00630) Ammonia-N (Total Kjeldah () Chemical oxydemand (003 Total organic ()	Nitrate-N total (00610)	7.83	mg/lmg/l	Magnesium Sodium Bicarbonate Chloride Sulfate Total Solid	is 161	6 mg/1 8 mg/1 9 mg/1 mg/1 mg/1 0 mg/1	5/16 5/10 5/24 5/20
Other: Other: A-H ₂ SO ₄ Nitrate-N + 1 total (00630) Ammonia-N (100630) Total Kjeldah (100630) Chemical oxydemand (0030) Total organic (1006) Other:	Nitrate-N total (00610) I-N ygen 340) carbon	7.83	mg/lmg/l	Magnesium Sodium Bicarbonate Chloride Sulfate Total Solid	is 161	6 mg/1 8 mg/1 9 mg/1 0 mg/1 mg/1 0 mg/1	5/16 5/70 5/20 11 5/20

Phone or Letter?

Initals

	CATIONS		DET.		ANIONS		DET.
ANALYT	E MEQ.	PPM	LIMIT	ANALYTI	E MEQ.	PPM	LIMIT
Ca Mg Na K	10.18 3.01 8.18 0.10	204.00 36.60 188.00 4.00	<3.0 <0.3 <10.0 <0.3	HC03 SO4 CL	3.67 2.38 18.62	224.00 114.00 660.00	<1.0 <10.0 <5.0
Mn Fe	0.00	0.00	 	NO3 C03 NH3 PO4	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	< 0. < 1. < 0. < 0.
SUMS	21.47	432.60	\ 		24.66	998.00	
	Dissolved lance =	Solids= 87.03%	1610		C No. out/By	= 8801270	_