

1R - 426-02

**GENERAL
CORRESPONDENCE**

YEAR(S):
2006



2006 JUN 14 PM 12 52

Wayne Price
New Mexico Oil Conservation Division
Director, Environmental Bureau
1220 So. Saint Francis Drive
Santa Fe, New Mexico 87505

Sent Certified Return Receipt # 7002 2410 0001 5812 9688

Subject:

Rice Operating Company Blinbry-Drinkard Junction Box Sites K-27-1 and K-27-N,
Proposed Monitor Wells

Dear Wayne:

On behalf of Rice Operating Company (ROC), ARCADIS is respectfully notifying you of our intent to drill two additional monitor wells at each of the above-referenced locations. We also request your approval to combine these two sites into one site due to their close proximity to each other (Figure 1). The combined sites will be known as the K-27 sites.

Based on the evaluation of the monitor well data for these sites further delineation of groundwater impacts is necessary before developing and submitting a corrective action plan. As indicated in the annual reports for these sites submitted in March 2006, soils were excavated at each site, a 20-mil plastic liner installed at a depth of 3 feet below ground surface and the excavation backfilled and contoured. While soil impacts have been addressed, elevated concentrations of chlorides and total dissolved solids are detected in the monitor well at each site. ARCADIS proposes to install two additional monitoring wells at each of the former junction box locations for a total of four additional monitoring wells at the combined K-27 site (Figure 2). The monitor wells will be constructed, developed and sampled in accordance with United States Environmental Protection Agency and New Mexico Oil Conservation Division standards. It is our intent to drill these wells in conjunction with other drilling scheduled to begin on May 30, 2006.

ARCADIS G&M, Inc.
1004 North Big Spring Street
Suite 300
Midland
Texas 79701
Tel 432 687 5400
Fax 432 687 5401
www.arcadis-us.com

ENVIRONMENTAL

Date:
12 June 2006

Contact:
Sharon E. Hall

Phone:
432 687-5400

Email:
shall@arcadis-us.com

Our ref:
MT000834

Imagine the result

ARCADIS

Mr. Wayne Price
12 June 2006

Your consideration of and concurrence with this request is appreciated. If you have any questions or comments please call me at (432) 687-5400 or Kristin Farris Pope at (505) 393-9174 or contact us via e-mail.

Sincerely,

ARCADIS G&M, Inc.

Sharon E. Hall

Sharon E. Hall

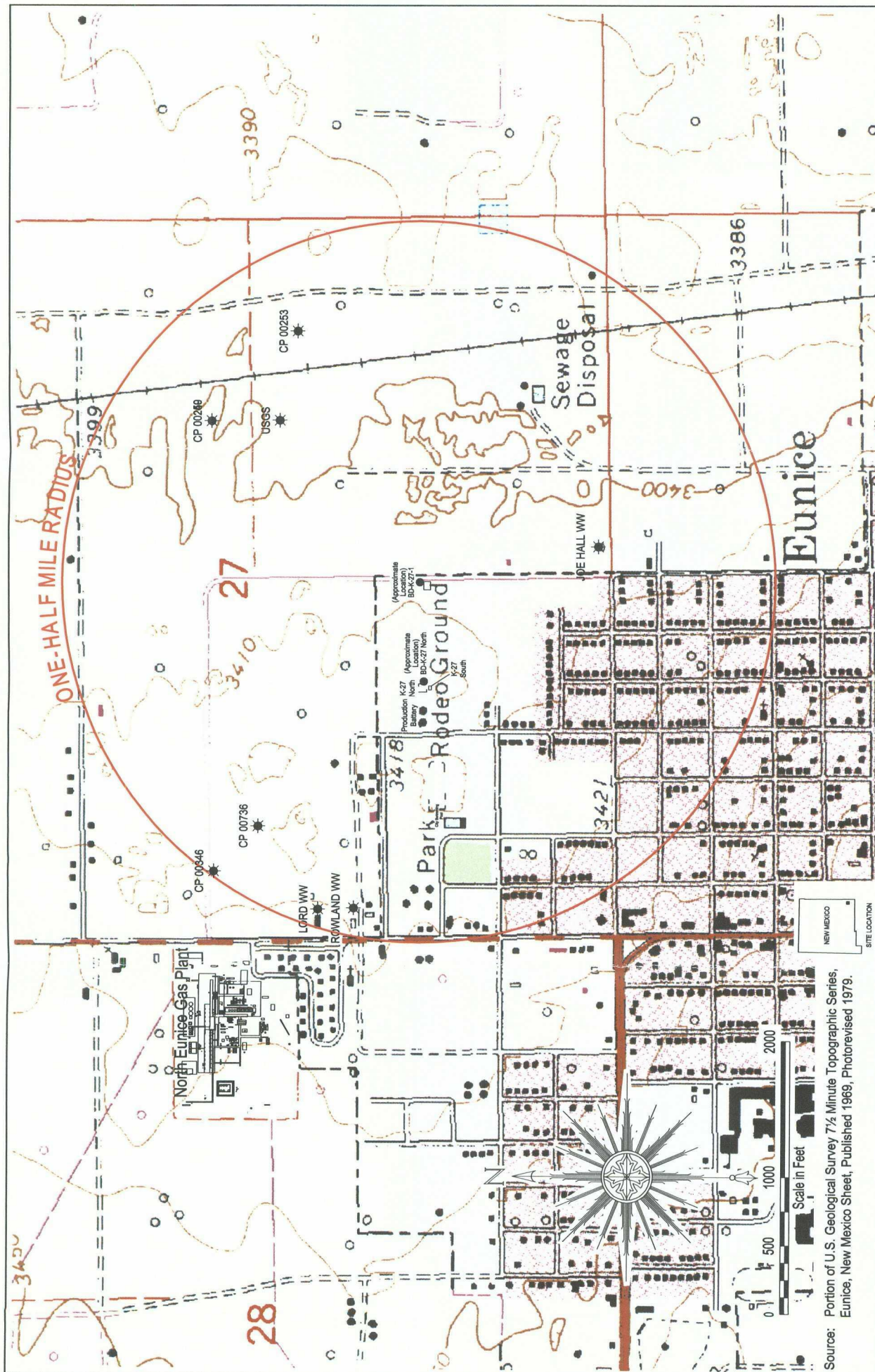
Site Evaluation Department Manager

Copies:

Kristin Farris Pope- ROC

Attachments:

Figures 1 and 2



Source: Portion of U.S. Geological Survey 7 1/2 Minute Topographic Series, Eunice, New Mexico Sheet, Published 1969, Photorevised 1979.

Area Manager
A. Schmidt
Project Manager
S. Hall
Task Manager
K. Lowrie
Technical Review
K. Lowrie

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1004 North Big Spring Street
Suite 300
Midland, TX 79701-3383
Tel: 432-687-5400 Fax: 432-687-5401
www.arcadis-us.com

Rice Operating Company
Blinberry-Drinkard K-27-1 and K-27 North Junction Box Sites

Site Location Map

Lea County, New Mexico

Project Number
MT000834.0001

Drawing Date
15 February 2006

Figure

1

Former K-27 North
Junction Box Location
Excavation Site

30.0' (Approximate
Location)
MW-1

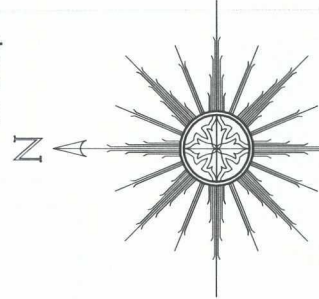
K-27 South
Replacement
Junction Box
Currently in Use

Dyneegy Gas Line

ROC Right-of-Way

(Approximate
Location)
MW-1
30'
K-27-1
16' Deep

6th Street



Explanation
Proposed Monitor
Well Location

Source: Portion of U.S. Geological Survey 7½ Minute Topographic Series,
Eunice, New Mexico Sheet, Published 1969, Photorevised 1979.



Area Manager A. Schmidt
Project Manager S. Hall
Task Manager K. Lowrie
Technical Review S. Tischer



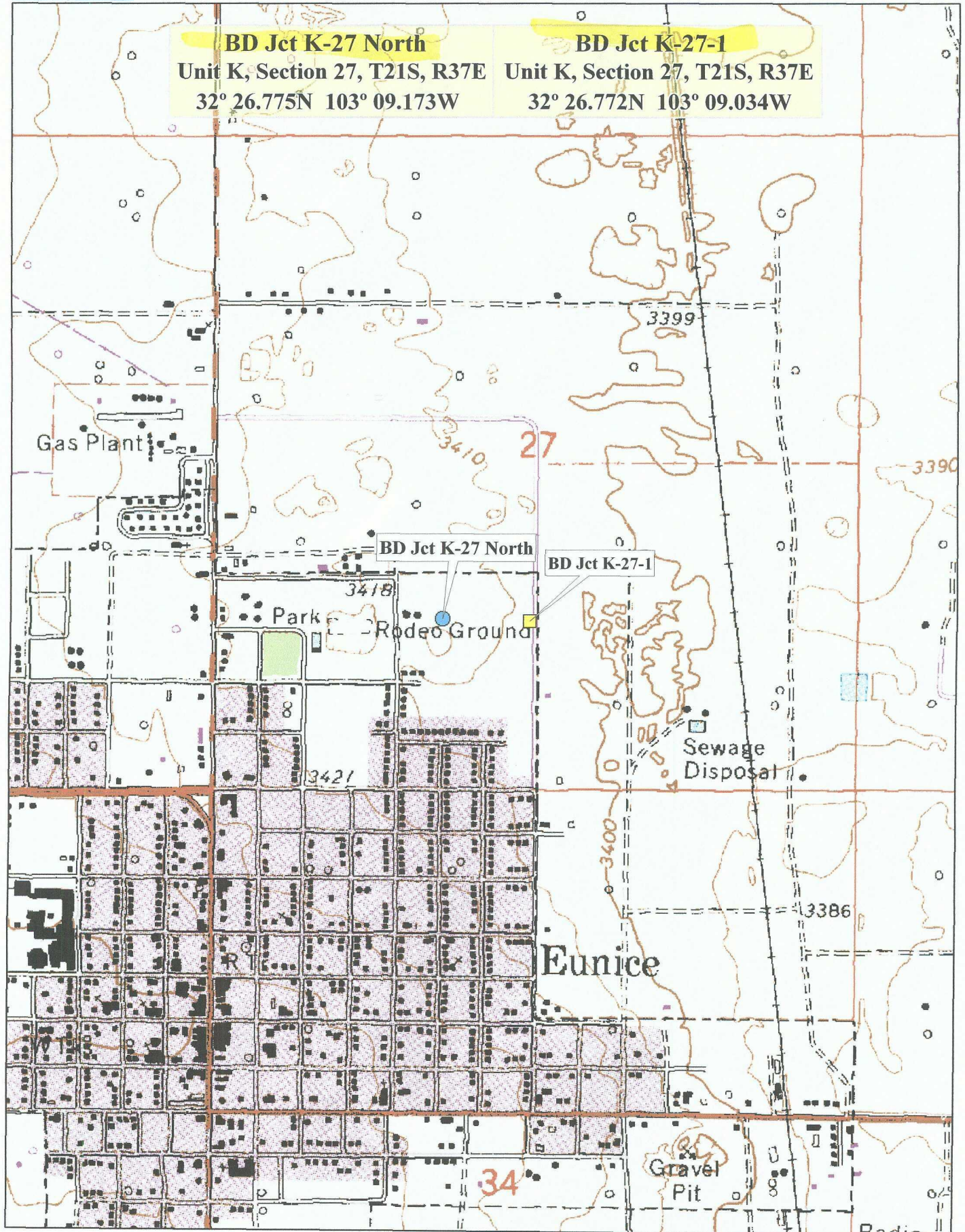
1004 North Big Spring Street
Suite 300
Midland, TX 79701-3383
Tel: 432-687-5400 Fax: 432-687-5401
www.arcadis-us.com

Rice Operating Company
Blinbry-Drinkard K-27-1 and K-27 North Junction Box Sites

Extent and Depth of Excavations and Monitor Well Locations

Lea County, New Mexico

Project Number MT000834.0001
Drawing Date 15 February 2006
Figure 2





Infrastructure, buildings, environment, communications

2005 MAR 20 PM 1 32

Wayne Price
New Mexico Oil Conservation Division
1220 So. Saint Francis Drive
Santa Fe, New Mexico 87505

Certified Mail Return Receipt # 7002 2410 0001 5812 9640

Subject:

Rice Operating Company Blinbry-Drinkard K-27-North Junction Box Site,
Eunice, New Mexico
2005 Annual Report Submittal

Dear Mr. Price,

On behalf of Rice Operating Company, ARCADIS G&M, Inc. respectfully submits this 2005 Annual Report for the Blinbry-Drinkard K-27-North Junction Box Site located in Eunice, New Mexico. The report details the 2005 Annual Report activities and results.

If you have any questions or require additional information please contact me at (432) 687-5400 or Carolyn Haynes at (505) 393-9174.

Sincerely,

ARCADIS G&M, Inc.

Sharon E. Hall

Sharon E. Hall
Site Evaluation Department Manager

Copies:

Kristin Farris Pope - Rice Operating Company, Hobbs, New Mexico
Chris Williams - NMOCD District I Office, Hobbs, New Mexico

Attachment:

Report

ARCADIS G&M, Inc.
1004 N. Big Spring Street
Suite 300
Midland Texas 79701
Tel 432.687.5400
Fax 432.687.5401
www.arcadis-us.com

Date:

17 March 2006

Contact:

Sharon Hall

Phone:

(432) 687-5400

Email:

shall@arcadis-us.com

Our ref:

MT000834.0001.00001

Part of a bigger picture

RICE *Operating Company*

122 West Taylor • Hobbs, New Mexico 88240
Phone: (505)393-9174 • Fax: (505) 397-1471

CERTIFIED MAIL
RETURN RECEIPT NO. 7002 2410 0000 4940 2081

July 14, 2005

Mr. Roger Anderson
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

RE: NOTIFICATION OF GROUNDWATER IMPACT
BD JCT. K-27 NORTH
UNIT 'K', SEC. 27, T21S, R37E

Mr. Anderson:

Rice Operating Company (ROC) hereby notifies the Director of the NMOCD, Environmental Bureau of groundwater impact in accordance with NM Rule 116. The remediation of this site may be subject to New Mexico Rule 19 procedures.

ROC is the service provider (operator) for the Blinebry-Drinkard (BD) Salt Water Disposal System and has no ownership of any portion of the pipelines, wells, or facilities. The BD System is owned by a consortium of oil producers, System Partners, who provide all operating capital on a percentage ownership/usage basis.

The K-27 North junction box site was first investigated in April of 2003 under the NMOCD-approved Junction Box Upgrade Work Plan. Delineation activities suggested potential groundwater impact for which notice was submitted to NMOCD on June 2, 2003. On April 1, 2004 the consulting firm of Arcadis G&M, Inc. (Arcadis) of Midland, Texas submitted an Investigation Work Plan to further characterize the site and address potential groundwater concerns. NMOCD approved this work plan on November 18, 2004.

Environmental remediation projects of this magnitude require System Partner AFE approval and work begins as funds are received. In general, project funding is not forthcoming until NMOCD approves the work plan. Because this Work Plan was approved late in the calendar year, funding for this project was assigned to the 2005 AFE,

RECEIVED
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OIL CONSERVATION
DIVISION

which was approved by System Partners in March of 2005. At the time of approval, a drilling rig was scheduled for the soonest availability.

A delineation soil bore was initiated on May 9, 2005 where groundwater was encountered at 43 feet and a 2-inch monitoring well was installed to a depth of 52 feet as chloride impact was indicated by field tests. The well was sampled pursuant to NMOCD guidelines by Arcadis on June 27, 2005. Environmental Lab of Texas performed the analysis. Quarterly sampling of this monitoring well will continue.

Please accept this notification for the above-referenced site. Should you have any questions or concerns regarding this site, please do not hesitate to contact me.

RICE OPERATING COMPANY

A handwritten signature in black ink that reads "Kristin Farris Pope". The signature is written in a cursive, flowing style.

Kristin Farris Pope
Project Scientist

cc: LBG, CDH, Arcadis G&M, file,

Mr. Chris Williams
NMOCD, District 1 Office
1625 N. French Drive
Hobbs, NM 88240

enclosures: groundwater analysis, well log, location map



ARCADIS

WELL LOG

WELL NO.

BD K 27-N

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383

Tel: 432/687-5400 Fax: 432/687-5401

Page 1 of 2

PROJECT NUMBER: MT000834.0001

CLIENT NAME: Rice Operating

PROJECT NAME: Junction Boxes Investigation

SITE LOCATION: Lea County, New Mexico

Lea County, New Mexico

DRILLING CO: White Drilling Company

DRILLING METHOD: Rotary/Air

SAMPLE METHOD: Split Spoon/Shovel

DATE BEGUN: 5/9/05

DATE COMPLETED: 5/9/05

DRILLER: Bo Atkins

ELEVATION (SURF.): —

LOGGER: R. Lang

ELEVATION (T.O.C.): —

FILE NAME: BD K 27-N.dat

UNIQUE NUMBER: 31-014-00722

STATIC WATER LEVEL: —

MEAS. PT.: T.O.C.

DATE: —

HOLE SIZE(S): 7-7/8"

TOTAL DEPTH: -50.0'

SURFACE COMPLETION: 8" Locking Steel Sleeve; 4' x 4' x 6" Concrete Slab

TYPES

DEPTHS

GROUT TYPE: Portland Cement

-28.0' to Surface

SEAL TYPE: Bentonite Chips

-32.0' to -28.0'

SCREEN PACK: 8/16 Sand

-49.0' to -32.0'

CASING TYPE: 4" Diameter Sch. 40 PVC Blank

-34.0' to 2.00'

—

—

WELL SCREEN: 4" Dia. Sch. 40 PVC, 0.020" slots

-49.0' to -34.0'

PLUG BACK: —

-50.0' to -49.0'

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	CHLORIDES	LITHOLOGY	DESCRIPTION	WELL INSTALLATION
0										
		Shovel							SAND 2.5 YR 5/8 red, fine grained to very fine grained, angular to subangular, loose, well sorted, argillaceous, moist.	
-5										
		Shovel				5.0	407			
-10										
		Shovel				4.1	250			
-15										
		Shovel				1.6	634		SAND 2.5 YR 8/2 pinkish white, fine grained, subrounded, well sorted, 70% SAND, 30% CALICHE, 2.5 YR 8/1 white, dry, firm.	
-20										
		Shovel				3.5	886		SAND 5 YR 7/6 reddish yellow, fine grained, well rounded, well sorted, very soft, dry, 85% SAND, 15% CALICHE, 10 YR 8/1 white, firm, interbedded or as nodules, becoming moist at -38.0'.	



ARCADIS

WELL LOG

WELL NO.

BD K 27-N

1004 N. Big Spring St. Suite 300, Midland, TX 79701-3383

Tel: 432/687-5400 Fax: 432/687-5401

Page 2 of 2

PROJECT NUMBER: MT000834.0001

CLIENT NAME: Rice Operating

PROJECT NAME: Junction Boxes Investigation

SITE LOCATION: Lea County, New Mexico

Lea County, New Mexico

DRILLING CO: White Drilling Company

DRILLING METHOD: Rotary/Air

SAMPLE METHOD: Split Spoon/Shovel

DATE BEGUN: 5/9/05

DATE COMPLETED: 5/9/05

DRILLER: Bo Atkins

ELEVATION (SURF.): —

LOGGER: R. Lang

ELEVATION (T.O.C.): —

FILE NAME: BD K 27-N.dat

UNIQUE NUMBER: 31-014-00722

STATIC WATER LEVEL: — MEAS. PT.: T.O.C.

DATE: —

HOLE SIZE(S): 7-7/8"

TOTAL DEPTH: -50.0'

SURFACE COMPLETION: 8" Locking Steel Sleeve; 4' x 4' x 6" Concrete Slab

TYPES

DEPTHS

GROUT TYPE: Portland Cement

-28.0' to Surface

SEAL TYPE: Bentonite Chips

-32.0' to -28.0'

SCREEN PACK: 8/16 Sand

-49.0' to -32.0'

CASING TYPE: 4" Diameter Sch. 40 PVC Blank

-34.0' to 2.00'

—

—

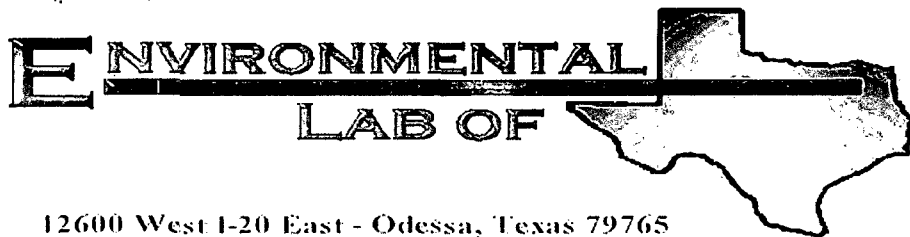
WELL SCREEN: 4" Dia. Sch. 40 PVC, 0.020" slots

-49.0' to -34.0'

PLUG BACK: —

-50.0' to -49.0'

DEPTH	SAMPLED	SAMPLING METHOD	ANALYZED	MOISTURE	RECOVERY	PID READING	CHLORIDES	LITHOLOGY	DESCRIPTION	WELL INSTALLATION
-25		Shovel				2.2	1438			
-30		Shovel				0.3	3236			
-35		Shovel				1.5	605			
-40		Split Spoon				1.2	476			
-45		Shovel				1.5	221		SANDSTONE 5 YR 5/6 yellowish red, fine grained, subrounded, well sorted, friable, well became wet at -43.0'	
-50		Shovel				NR	NR		SANDSTONE 5 YR 7/4 pink, fine grained to medium grained, well rounded to subrounded, very soft to firm with CALICHE cement, wet.	



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Sharon Hall

ARCADIS

1004 N. Big Spring Street

Midland, TX 79701

Project: MT000834.0001

Project Number: MT000834.0001

Location: Rice Operating BD-K-27 North

Lab Order Number: 5F28001

Report Date: 07/11/05

ARCADIS
1004 N. Big Spring Street
Midland TX, 79701

Project: MT000834.0001
Project Number: MT000834.0001
Project Manager: Sharon Hall

Fax: (432) 687-5401

Reported:
07/11/05 10:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BD K-27 North MW-001	5F28001-01	Water	06/27/05 12:25	06/27/05 17:30

ARCADIS
1004 N. Big Spring Street
Midland TX, 79701

Project: MT000834.0001
Project Number: MT000834.0001
Project Manager: Sharon Hall

Fax: (432) 687-5401

Reported:
07/11/05 10:36

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BD K-27 North MW-001 (5F28001-01) Water									
Benzene	ND	0.00100	mg/L	1	EF53021	06/30/05	06/30/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		90.1 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		86.7 %	80-120		"	"	"	"	

ARCADIS	Project: MT000834.0001	Fax: (432) 687-5401
1004 N. Big Spring Street	Project Number: MT000834.0001	Reported:
Midland TX, 79701	Project Manager: Sharon Hall	07/11/05 10:36

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BD K-27 North MW-001 (5F28001-01) Water									
Total Alkalinity	260	2.00	mg/L	1	EF53015	06/30/05	06/30/05	EPA 310.2M	
Chloride	1060	25.0	"	50	EF53026	06/30/05	06/30/05	EPA 300.0	
Total Dissolved Solids	2760	5.00	"	1	EF53006	06/30/05	07/01/05	EPA 160.1	
Sulfate	422	25.0	"	50	EF53026	06/30/05	06/30/05	EPA 300.0	

ARCADIS
1004 N. Big Spring Street
Midland TX, 79701

Project: MT000834.0001
Project Number: MT000834.0001
Project Manager: Sharon Hall

Fax: (432) 687-5401

Reported:
07/11/05 10:36

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BD K-27 North MW-001 (5F28001-01) Water									
Calcium	229	0.500	mg/L	50	EF52903	06/29/05	06/29/05	EPA 6010B	
Magnesium	109	0.0500	"	"	"	"	"	"	
Potassium	13.3	0.500	"	10	"	"	"	"	
Sodium	494	0.500	"	50	"	"	"	"	

ARCADIS
1004 N. Big Spring Street
Midland TX, 79701

Project: MT000834.0001
Project Number: MT000834.0001
Project Manager: Sharon Hall

Fax: (432) 687-5401

Reported:
07/11/05 10:36

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EF53021 - EPA 5030C (GC)

Blank (EF53021-BLK1)

Prepared & Analyzed: 06/30/05

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	87.4		ug/l	100		87.4	80-120			
Surrogate: 4-Bromofluorobenzene	82.8		"	100		82.8	80-120			

LCS (EF53021-BS1)

Prepared & Analyzed: 06/30/05

Benzene	117		ug/l	100		117	80-120			
Toluene	108		"	100		108	80-120			
Ethylbenzene	106		"	100		106	80-120			
Xylene (p/m)	185		"	200		92.5	80-120			
Xylene (o)	91.0		"	100		91.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	113		"	100		113	80-120			
Surrogate: 4-Bromofluorobenzene	119		"	100		119	80-120			

Calibration Check (EF53021-CCV1)

Prepared: 06/30/05 Analyzed: 07/01/05

Benzene	92.5		ug/l	100		92.5	80-120			
Toluene	85.4		"	100		85.4	80-120			
Ethylbenzene	91.2		"	100		91.2	80-120			
Xylene (p/m)	163		"	200		81.5	80-120			
Xylene (o)	84.4		"	100		84.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	91.8		"	100		91.8	80-120			
Surrogate: 4-Bromofluorobenzene	109		"	100		109	80-120			

Matrix Spike (EF53021-MS1)

Source: 5F29004-02

Prepared & Analyzed: 06/30/05

Benzene	99.6		ug/l	100	ND	99.6	80-120			
Toluene	91.8		"	100	ND	91.8	80-120			
Ethylbenzene	95.1		"	100	ND	95.1	80-120			
Xylene (p/m)	165		"	200	ND	82.5	80-120			
Xylene (o)	86.7		"	100	ND	86.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	98.2		"	100		98.2	80-120			
Surrogate: 4-Bromofluorobenzene	119		"	100		119	80-120			

ARCADIS
1004 N. Big Spring Street
Midland TX, 79701

Project: MT000834.0001
Project Number: MT000834.0001
Project Manager: Sharon Hall

Fax: (432) 687-5401

Reported:
07/11/05 10:36

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EF53021 - EPA 5030C (GC)

Matrix Spike Dup (EF53021-MSD1)

Source: 5F29004-02

Prepared & Analyzed: 06/30/05

Benzene	103		ug/l	100	ND	103	80-120	3.36	20	
Toluene	96.3		"	100	ND	96.3	80-120	4.78	20	
Ethylbenzene	101		"	100	ND	101	80-120	6.02	20	
Xylene (p/m)	176		"	200	ND	88.0	80-120	6.45	20	
Xylene (o)	92.2		"	100	ND	92.2	80-120	6.15	20	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	102		"	100		102	80-120			
Surrogate: 4-Bromofluorobenzene	117		"	100		117	80-120			

ARCADIS	Project: MT000834.0001	Fax: (432) 687-5401
1004 N. Big Spring Street	Project Number: MT000834.0001	Reported:
Midland TX, 79701	Project Manager: Sharon Hall	07/11/05 10:36

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch EF53006 - Filtration Preparation

Blank (EF53006-BLK1)

Prepared: 06/30/05 Analyzed: 07/01/05

Total Dissolved Solids	ND	5.00	mg/L						
------------------------	----	------	------	--	--	--	--	--	--

Duplicate (EF53006-DUP1)

Source: 5F29010-01

Prepared: 06/30/05 Analyzed: 07/01/05

Total Dissolved Solids	7110	10.0	mg/L		7230			1.67	20
------------------------	------	------	------	--	------	--	--	------	----

Batch EF53015 - General Preparation (WetChem)

Blank (EF53015-BLK1)

Prepared & Analyzed: 06/30/05

Total Alkalinity	ND	2.00	mg/L						
------------------	----	------	------	--	--	--	--	--	--

Duplicate (EF53015-DUP1)

Source: 5F28001-01

Prepared & Analyzed: 06/30/05

Total Alkalinity	261	2.00	mg/L		260			0.384	20
------------------	-----	------	------	--	-----	--	--	-------	----

Reference (EF53015-SRM1)

Prepared & Analyzed: 06/30/05

Bicarbonate Alkalinity	230		mg/L	200	115	80-120			
------------------------	-----	--	------	-----	-----	--------	--	--	--

Batch EF53026 - General Preparation (WetChem)

Blank (EF53026-BLK1)

Prepared & Analyzed: 06/30/05

Chloride	ND	0.500	mg/L						
----------	----	-------	------	--	--	--	--	--	--

Sulfate	ND	0.500	"						
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LCS (EF53026-BS1)

Prepared & Analyzed: 06/30/05

Sulfate	10.7		mg/L	10.0	107	80-120			
---------	------	--	------	------	-----	--------	--	--	--

Chloride	11.5		"	10.0	115	80-120			
----------	------	--	---	------	-----	--------	--	--	--

ARCADIS	Project: MT000834.0001	Fax: (432) 687-5401
1004 N. Big Spring Street	Project Number: MT000834.0001	Reported:
Midland TX, 79701	Project Manager: Sharon Hall	07/11/05 10:36

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EF53026 - General Preparation (WetChem)

Calibration Check (EF53026-CCV1)

Prepared & Analyzed: 06/30/05

Chloride	11.5		mg/L	10.0		115	80-120			
Sulfate	9.95		"	10.0		99.5	80-120			

Duplicate (EF53026-DUP1)

Source: 5F29013-01

Prepared & Analyzed: 06/30/05

Chloride	87.8	2.50	mg/L		85.3			2.89	20	
Sulfate	75.3	2.50	"		73.5			2.42	20	

ARCADIS
1004 N. Big Spring Street
Midland TX, 79701

Project: MT000834.0001
Project Number: MT000834.0001
Project Manager: Sharon Hall

Fax: (432) 687-5401

Reported:
07/11/05 10:36

Total Metals by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EF52903 - 6010B/No Digestion

Blank (EF52903-BLK1)

Prepared & Analyzed: 06/29/05

Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							

Calibration Check (EF52903-CCV1)

Prepared & Analyzed: 06/29/05

Calcium	1.90		mg/L	2.00		95.0	85-115			
Magnesium	2.01		"	2.00		100	85-115			
Potassium	1.90		"	2.00		95.0	85-115			
Sodium	1.90		"	2.00		95.0	85-115			

Duplicate (EF52903-DUP1)

Source: 5F28001-01

Prepared & Analyzed: 06/29/05

Calcium	222	0.500	mg/L		229			3.10	20	
Magnesium	105	0.0500	"		109			3.74	20	
Potassium	13.2	0.500	"		13.3			0.755	20	
Sodium	489	0.500	"		494			1.02	20	

ARCADIS
1004 N. Big Spring Street
Midland TX, 79701

Project: MT000834.0001
Project Number: MT000834.0001
Project Manager: Sharon Hall

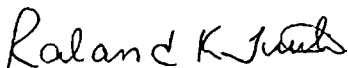
Fax: (432) 687-5401

Reported:
07/11/05 10:36

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:

7/11/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Arcadis

Date/Time: 6-27-05

Order #: 5F28001

Initials: IV IV

Sample Receipt Checklist

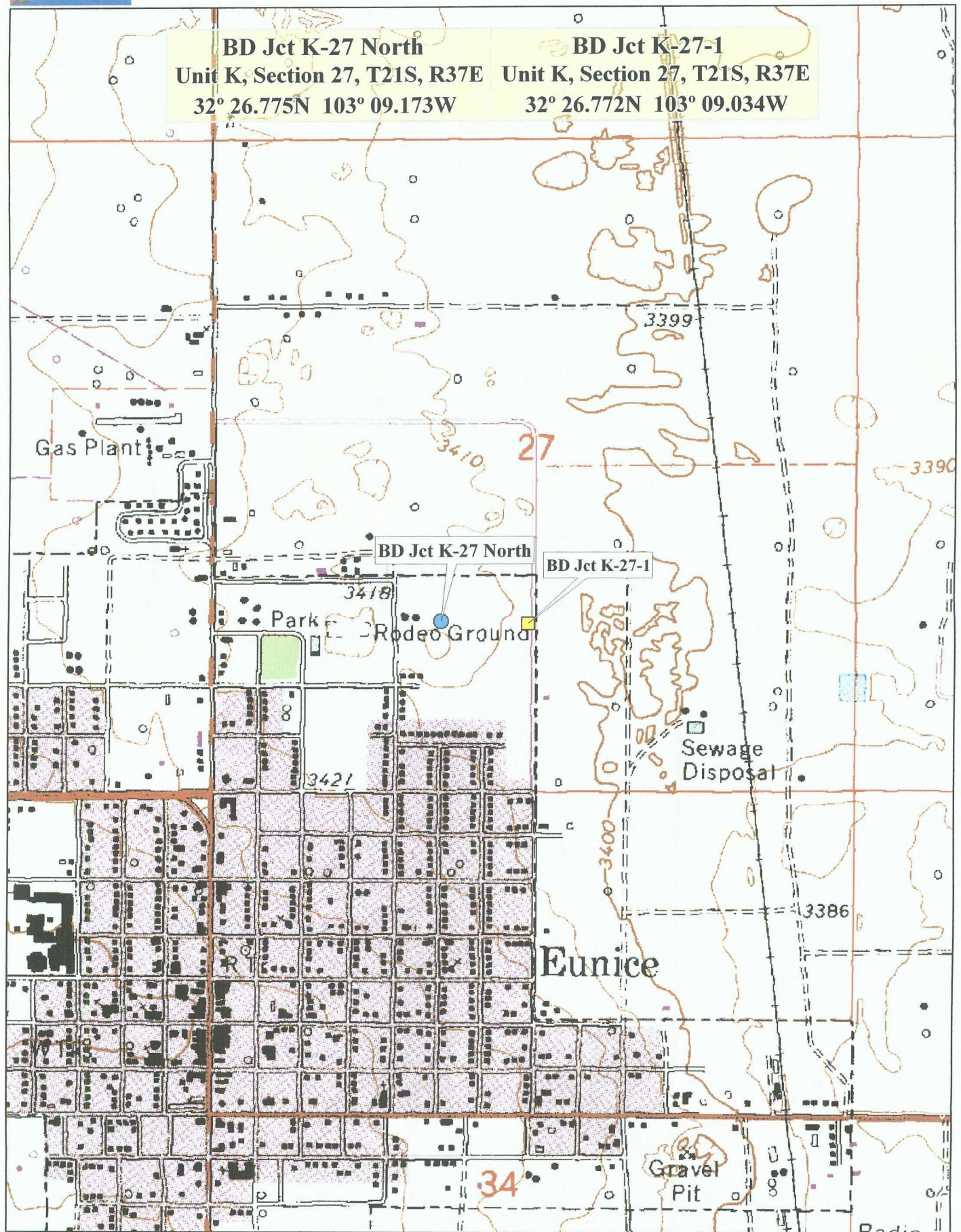
Temperature of container/cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	-1.0 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not present
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not present
Chain of custody present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Container labels legible and intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: _____ Date/Time: _____ Contacted by: _____
Regarding: _____

Corrective Action Taken:



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