

1R - 426-218

REPORTS

DATE:

9-4-08

BD Chevron Mattern 'B' EOL

1R426-218

RECEIVED

MAR 25 1991

Environmental
Oil Conservation Division

Disclosure

**RICE OPERATING COMPANY
JUNCTION BOX DISCLOSURE* REPORT**

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
Blinebry-Drinkard (BD)	Chevron Mattem 'B' EOL	P	30	21S	37E	Lea	Length	Width	Depth
							eliminated		

Neymeyer Properties %

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Beverly Shaw OTHER _____

Depth to Groundwater 117 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20*

Date Started 1/10/2008 Date Completed 2/6/2008 OCD Witness no

Soil Excavated 400 cubic yards Excavation Length 30 Width 30 Depth 12 feet

Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a

FINAL ANALYTICAL RESULTS: Sample Date 1/23/2008 Sample Depth 12 ft

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH, BTEX and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
4-WALL COMP.	<0.020	0.097	0.131	1.39	22.0	389	1390
BOTTOM COMP.	PID = 1.6 (field)				<10.0	19.2	2530
BACKFILL	PID = 38.4 (field)				<10.0	470	960

General Description of Remedial Action: This junction was eliminated under the

pipeline replacement/upgrade program. After the former box was removed, an investi-
gation was conducted using a backhoe to collect soil samples at regular intervals,
producing a 30x30x12-ft-deep hole. Chloride field tests were performed on each sample,
which yielded elevated chloride levels. Organic vapors were also measured using a
PID. Representative composite samples were sent to a commercial laboratory for
analysis of chloride, TPH, and BTEX. The excavated soil was blended on-site and
returned to the excavation up to 6 ft below ground surface. A 6-ft-deep shelf was
excavated extending 15 ft out from the east wall. At 6.5 ft BGS, a 1-ft-thick clay barrier
was installed. The remaining fill was used to backfill the excavation to ground surface
and to contour to the surrounding area. An identification plate was place on the surface
at the former junction site to mark the presence of the clay below. NMOCD was notified
of potential ground water impact on 9/4/2008.

ADDITIONAL EVALUATION IS HIGH PRIORITY

**An inactive water well is located 742 ft northwest of site*

enclosures: photos, lab results, PID screening, BTEX comparison
study, cross-section, clay test, chloride curve

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
4-wall comp.	n/a	1169
bottom comp.	12'	2217
backfill comp.	n/a	1251
vertical delineation trench at 5 ft south of junction (source)	1	101
	2'	227
	3'	205
	4'	141
	5'	75
	6'	250
	7'	281
	8'	715
	9'	1084
	10'	1812
	11'	2583
	12'	2630

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

SITE SUPERVISOR Roy Rascon SIGNATURE not available COMPANY RICE OPERATING COMPANY

REPORT
ASSEMBLED BY Katie Jones INITIAL KJ

PROJECT LEADER Larry Bruce Baker Jr. SIGNATURE Larry Bruce Baker Jr. DATE 9-4-08

*This site is a "DISCLOSURE." It will be placed on a prioritized list of similar sites for further consideration.

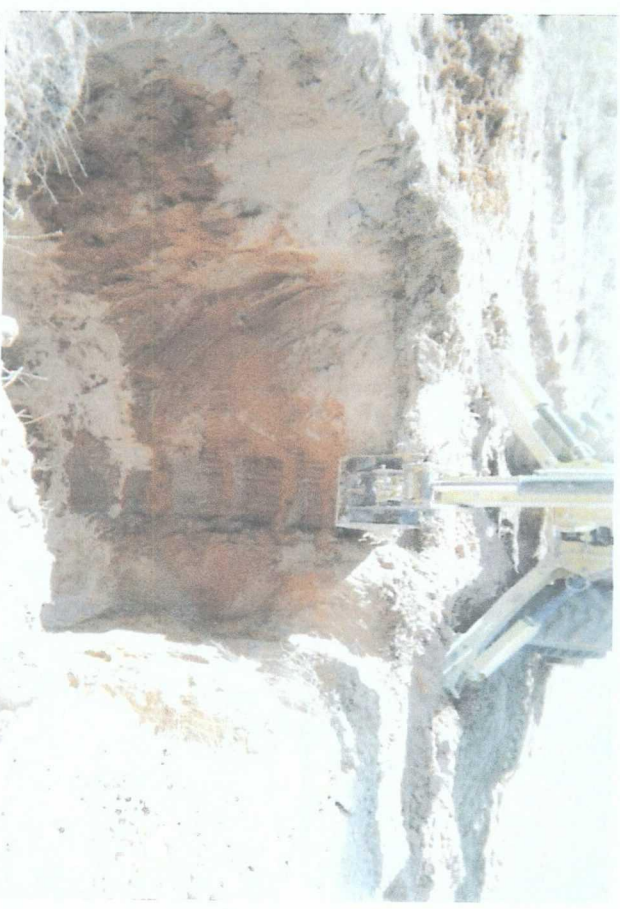
BD Chevron Mattern 'B' EOL

Unit P, Section 30, T21S, R37E



undisturbed junction box

11/10/2003



10x10x12-ft-deep excavation, facing west

1/14/2008



30x30x12-ft-deep excavation, facing east

1/23/2008



clay density test at 6 ft BGS, facing west

1/31/2008



site complete, facing east

2/6/2008



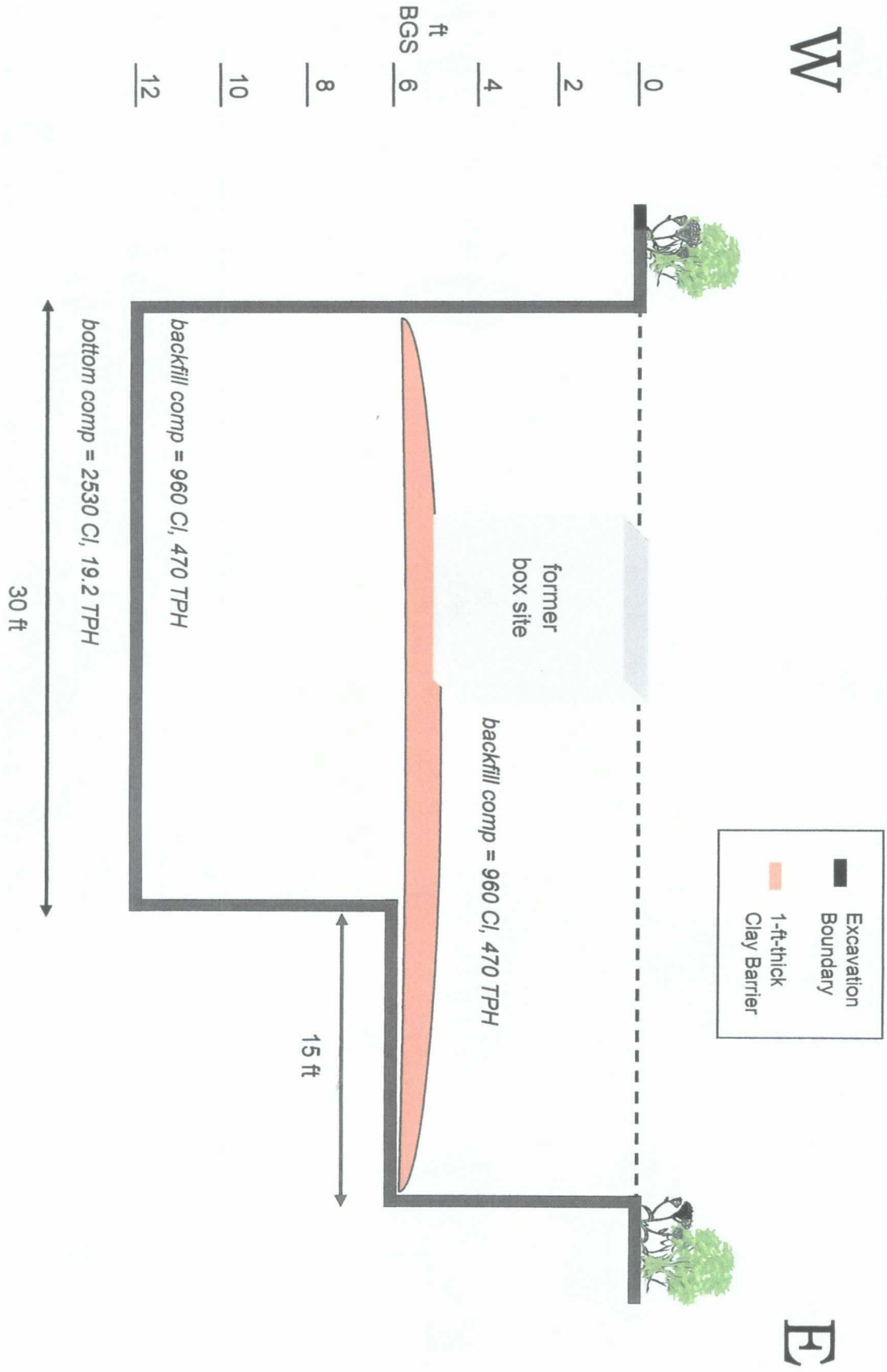
clay marker, facing south

2/6/2008

BD Chevron Mattern 'B' EOL

Unit 'P', Section 30, T21S, R37E

Cross-Section Excavation





ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: ROY R. RASCON
122 WEST TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

COPY

Receiving Date: 01/24/08
Reporting Date: 01/28/08
Project Owner: NOT GIVEN
Project Name: BD CHEVRON MATTERN B EOL
Project Location: NOT GIVEN

Sampling Date: 01/23/08
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: ML
Analyzed By: BC/KS

*Analyses performed on 1:4 w/v aqueous extracts.

1/28/08
Date

H14148A RICE

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
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ATTN: ROY R. RASCON
122 WEST TAYLOR
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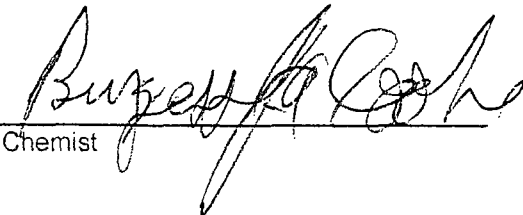
COPY

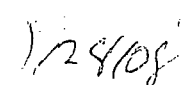
Receiving Date: 01/24/08
Reporting Date: 01/28/08
Project Owner: NOT GIVEN
Project Name: BD CHEVRON MATTERN B EOL
Project Location: NOT GIVEN

Sampling Date: 01/23/08
Sample Type: SOIL
Sample Condition: INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE		01/25/08	01/25/08	01/25/08	01/25/08
H14148-2	4 WALL COMP @ 30x30x12	<0.020	0.097	0.131	1.39
H14148-4-7	N, S, E, W WALL COMP. @ 15'	<0.020	0.099	0.083	0.476
Quality Control		0.100	0.091	0.096	0.281
True Value QC		0.100	0.100	0.100	0.300
% Recovery		100	91.1	96.4	93.5
Relative Percent Difference		4.0	0.6	1.0	1.1

METHOD: EPA SW-846 8021B


Chemist

JAN 24 2008

Date

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ARDINAL LABORATORIES

BIOLOGICAL										ANALYSIS REQUEST									
P.O. #:																			
Company:																			
Attn:																			
Address:																			
City:																			
State:																			
Phone #:																			
Fax #:																			
Project Name: BD CHEVRON MATTERN BEOL																			
Project Location:																			
Sampler Name: ROY R. RASCON																			
FOR LAB USE ONLY																			
LAB ID #																			
SAMPLE I.D.																			
# CONTAINERS																			
MATRIX																			
GROUNDWATER																			
WASTEWATER																			
SOIL																			
OIL																			
SLUDGE																			
OTHER:																			
ACID/BASE:																			
ICE / COOL																			
OTHER:																			
PRESERV																			
SAMPLING																			
DATE																			
TIME																			
TPH 8015 M																			
BTEX																			
BTEX STUDY: COMPOSITE ALL 4 SAMPLES INTO 1 SAMPLE IN LAB AND RUN BTEX ONLY																			
1/14/18 -1																			
-2																			
-3																			
-4																			
-5																			
-6																			
-7																			
bitm 5pt comp @ 12' bgs																			
4 wall comp @ 30x30x12																			
blended backfill																			
N wall comp @ 15' N																			
S wall comp @ 15' S																			
E wall comp @ 15' E																			
W wall comp @ 15' W																			

Company Name: RICE OPERATING CO.

Project Manager: ROY R. RASCON

Address: 122 WEST TAYLOR

City: HOBBS

State: NM Zip: 88240

Phone #: (505) 393-9174

Fax #: (505) 397-1471

Project Owner:

Project Name: BD CHEVRON MATTERN BEOL

Project Location:

Sampler Name: ROY R. RASCON

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates, or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Roy R. Rascon Date: 1/24/2008

Relinquished By: Wally LeBut Date: 1/24/2008

Time: 0945

Time:

Delivered By: (Circle One)

Sampler ☒ UPS ☐ Bus ☐ Other:

CHECKED BY: WCB (Initials)

Sample Condition

Cool ☒ Intact ☒

Yes ☒ No ☐

REMARKS: PLEASE E-MAIL TO jpurvis & rrascon@riceswd.com

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the services. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates, or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Phone Result:	☐ Yes	☐ No	Add'l Phone #:
Fax Result:	☒ Yes	☐ No	Add'l Fax #:

REMARKS: PLEASE E-MAIL TO jpurvis & rrascon@riceswd.com

rrascon@riceswd.com

Delivered By: (Circle One)	
Sampler - UPS - Bus - Other:	
Sample Condition	CHECKED BY:
Cool Intact	(Initials)
" Yes " ☒ Yes	<i>[Signature]</i>
" No " ☐ No	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

RICE OPERATING COMPANY

122 West Taylor Hobbs, NM 88240

PHONE: (505) 393-9174 FAX: (505) 397-1471

PID METER CALIBRATION & FIELD REPORT FORM

CK.	
MODEL	X
NO.	

MODEL: PGM 7600	SERIAL NO: 110-013676
MODEL: PGM 7600	SERIAL NO: 110-013744
MODEL: PGM 7600	SERIAL NO: 110-012383
MODEL: PGM 7600	SERIAL NO: 110-012920

COPY

GAS COMPOSITION: ISOBUTYLENE 100PPM / AIR: BALANCE

LOT NO : 07-3353	EXPIRATION DATE: 5-16-09
FILL DATE: 11-16-07	METER READING ACCURACY: 100.0

ACCURACY : +/- 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWN SHIP	RANGE
BD	CHEVRON MATTERN B EOL	P	30	21S	37E

SAMPLE ID	PID	SAMPLE ID	PID
5PT BOTTOM COMP @ 12'BGS	1.6		
N WALL COMP @ 15' N	0.2		
S WALL COMP @ 15' S	422		
E WALL COMP @ 15' E	38.2		
W WALL COMP @ 15' W	2.9		
4 WALL COMP @ 30' X 30'	219		
BLEND BACKFILL	39.4	- 38.4	

I verify that I have calibrated the above instrument in accordance to the manufacture operation manual.

SIGNATURE:

Ray R. Rascon

DATE: 1-23-08

2008 BTEX Study

Revised Junction Box Upgrade Plan (2003)

System: BD Date: 1/23/2008 Laboratory: Cardinal
 Site: Chevron Mattern 'B' EOL Sampler: Roy Rascon Laboratories

Location	Component	PID reading (ppm)	FIELD COMPOSITE (mg/kg)			
			Benzene	Toluene	Ethyl Benzene	Total Xylenes
4-WALL COMPOSITE from 30x30x12 ft	NORTH wall	0.2	<0.020	0.097	0.131	1.39
	SOUTH wall	422.0				
	EAST wall	38.2				
	WEST wall	2.9				
			LAB COMPOSITE (mg/kg)			
			<0.020	0.099	0.083	0.476

Field PID tests <100 ppm are considered final for BTEX. If PID is >100 ppm, the components of the BTEX composite sample will be collected individually and will be composited under laboratory conditions to prevent excessive volatilization. A 15-box, 30-sample study will be made to compare field-compositing with lab-compositing BTEX samples. Composite components are collected in a skewed 'W' pattern.

Revised Junction Box Upgrade Work Plan (July 16, 2003)



LABORATORY TEST REPORT
PETTIGREW & ASSOCIATES, P.A.

1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827



DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS, III, P.E./P.S.

To: Rice Operating
Attn: Hack Conder
122 W. Taylor
Hobbs, NM 88240

Material: Red Clay

Project: General Information
Project No. 2007.1007

Test Method: ASTM: D 2922

Date of Test: January 31, 2008

COPY

Depth: See Below

Depth of Probe: 12"

Test No.	Location	Dry Density		% Moisture	Depth
		% Max			
SG 17	BD Chevron Matter BEOL 12' N. & 20' W. of SE Corner	94.6		11.3	FSG

FEB 11 2008

PE

852-9613
Roy R. BASCON

Control Density: 104.4
ASTM: D 698

Optimum Moisture: 20.3%

Required Compaction: 95%

Densometer ID: 5357
PETTIGREW & ASSOCIATES

Lab No.: 08 1433-1434

Copies To: Rice Operating

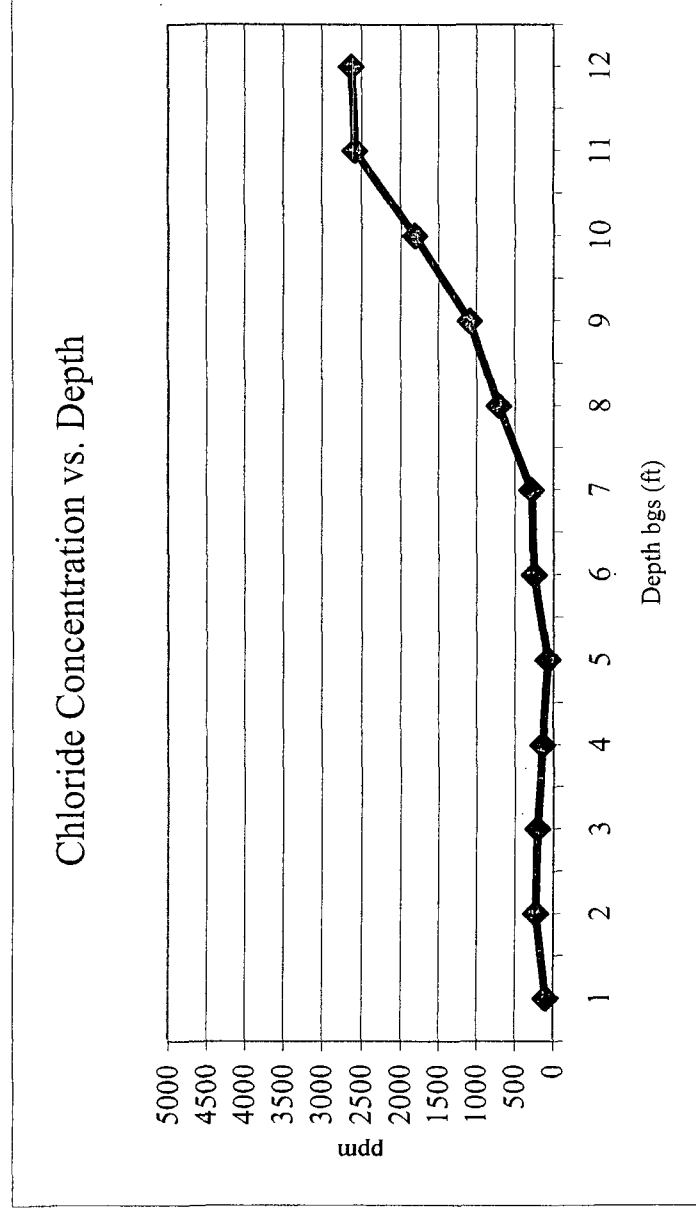
BY: Erica M. Hart
BY: William M. Hicks P.E.

BD Chevron Mattern 'B' EOL

unit 'P', Sec. 30, T21S, R37E

Backhoe samples at 5 ft south of junction (source)

Depth bgs (ft)	[Cl ⁻] ppm
1	101
2	227
3	205
4	141
5	75
6	250
7	281
8	715
9	1084
10	1812
11	2583
12	2630



Groundwater = 117 ft