

IOWA DEPARTMENT OF NATURAL RESOURCES

***** TRANSMITTAL SLIP *****

Date 10-12-92

TO: Bob Drustrip, Uncontrolled Sites, S&GWBP

FROM: Barb Lynch, FOS, FO#3

☐ REPLY FOR MY SIGNATURE

☐ NOTE AND FORWARD

☐ REPLY DIRECT

☐ FILE

☐ REVIEW, COMMENT AND RETURN

☐ FOR YOUR SIGNATURE

☐ INVESTIGATE AND REPORT

☐ FOR YOUR APPROVAL

☐ SEE ME

☐ PER YOUR REQUEST

☐ FOR YOUR INFORMATION

☐ PER OUR CONVERSATION

☐ TAKE ACTION BY _____
(Date)

☐ COMMENTS:



Printed on
Recycled Paper

IOWA DEPARTMENT OF NATURAL RESOURCES

Date _____

FROM THE OFFICE OF: _____

TO (Individual's name): _____

DIVISION/BUREAU: (✓)

- | | |
|--|--|
| ☐ DIRECTOR | ☐ REPLY FOR MY SIGNATURE |
| ☐ DEPUTY DIRECTOR | |
| ☐ ADMINISTRATIVE SERVICES | ☐ REPLY DIRECTLY |
| ☐ ADMINISTRATIVE SUPPORT | |
| ☐ RECORDS/LIBRARY | |
| ☐ BUDGET AND GRANTS | ☐ REVIEW, COMMENT, RETURN |
| ☐ CONSTRUCTION SERVICES | |
| ☐ DATA PROCESSING | |
| ☐ FINANCE | ☐ INVESTIGATE AND REPORT |
| ☐ PAYROLL/PERSONNEL | |
| ☐ LAND ACQUISITION | |
| ☐ LICENSING | ☐ SEE ME |
| ☐ PURCHASING | |
| ☐ WORD PROCESSING | ☐ FILE |
| ☐ COORDINATION & INFORMATION | |
| ☐ GOVERNMENTAL LIAISON | |
| ☐ INFORMATION AND EDUCATION | ☐ FOR YOUR INFORMATION |
| ☐ PLANNING | |
| ☐ ENERGY & GEOLOGICAL RES. | ☐ FOR YOUR SIGNATURE |
| ☐ ENERGY | |
| ☐ GEOLOGICAL SURVEY | ☐ FOR YOUR APPROVAL |
| ☐ ENVIRONMENTAL PROTECTION | |
| ☐ FIELD EVALUATION/EMERGENCY RESPONSE | ☐ PER YOUR REQUEST |
| ☐ AIR AND SOLID WASTE | |
| ☐ SURFACE AND GROUNDWATER | ☐ PER OUR CONVERSATION |
| ☐ FIELD OFFICE # _____ | |
| ☐ FISH AND WILDLIFE | |
| ☐ FISHERIES | ☐ TAKE ACTION BY: |
| ☐ LAW ENFORCEMENT | |
| ☐ WILDLIFE | |
| | _____
(Date) |
| ☐ FORESTS AND FORESTRY | |
| ☐ STATE FORESTS MANAGEMENT | ☐ NOTE AND FORWARD |
| ☐ FORESTRY SERVICES | |
| ☐ PARKS, RECREATION & PRESERVES | |
| ☐ PARK MANAGEMENT | |
| ☐ PRESERVES & ECOLOGICAL SERVICES | |
| ☐ TRAILS AND WATERWAYS UNIT | |
| ☐ WASTE MANAGEMENT AUTHORITY | |
| ☐ PLANNING AND GRANTS | |
| ☐ WASTE REDUCTION | |

☐ OTHER: _____ COMMENTS: _____

KANEB PIPE LINE COMPANY
100 NORTH BROADWAY, SUITE 550
WICHITA, KS 67202

OCTOBER 7, 1992

BARBARA LYNCH, FIELD OFFICE SUPERVISOR
DEPARTMENT OF NATURAL RESOURCES
1900 NORTH GRAND (GATEWAY NORTH MALL)
SPENCER, IOWA 51301

DEAR BARBARA:

ATTACHED IS A SHEET SHOWING ALL WATER TESTS SINCE SEPTEMBER 13, 1988, A GRAPH SHOWING THE WATER ELEVATIONS SEPTEMBER 30 1992, THE LABORATORY TEST RESULTS OF THE WATER SAMPLES TAKEN SEPTEMBER 8, 1992 AND THE WATER ELEVATIONS DURING SEPTEMBER 1992.

YOURS TRULY,

MACK E. BROWN

CC: CURTIS GRAFING

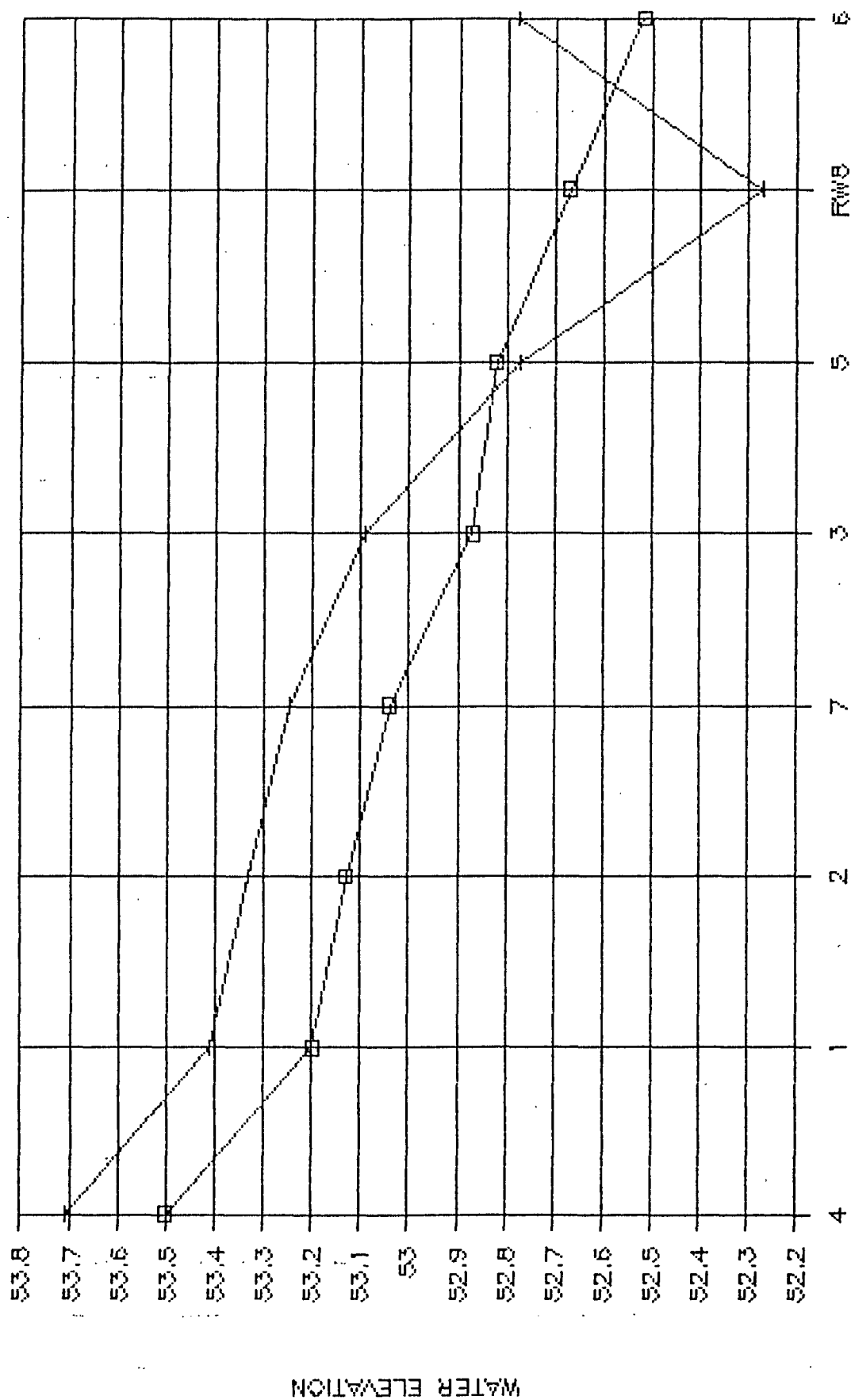
CON 12-15
DOC# 35705

RECEIVED

OCT 09 1992

IOWA DEPARTMENT OF
NATURAL RESOURCES

KANEB MILFORD TEST WELL DATA



□ H2O ELEV 6/6/88
 + WELL NUMBERS + H2O ELEV 09-30-92

MILH20TEST on disk #1

[illegible]



MANGOLD ENVIRONMENTAL TESTING

1715 N. LAKE AVE. • P.O. BOX 1093 • STORM LAKE, IOWA 50588
712-732-7786

September 30, 1992

Page 1

Mack Brown
KANE Pipeline Company
100 N. Broadway Suite 550
Wichita, KS 67202

Account No. M200
Project No. M200-9209

SAMPLING INFORMATION

DATE 09/08/92
BY Kaneb 800-759-0033
TYPE OA1 Water
LOCATION Air Stripper Influent
RE

RECEIVING INFORMATION

09/09/92
Sue --- deg. C
Notes

Lab ID No. 54282

ANALYTE	RESULTS	EPA METHOD CODE
Benzene	9.5 ug/L	09/18/92/djl IA OA-1
Ethyl Benzene	<2.0 ug/L	09/18/92/djl IA OA-1
Toluene	<2.0 ug/L	09/18/92/djl IA OA-1
Xylenes, Total	17. ug/L	09/18/92/djl IA OA-1
Total Hydrocarbons	0.39 mg/L	09/18/92/djl IA OA-1

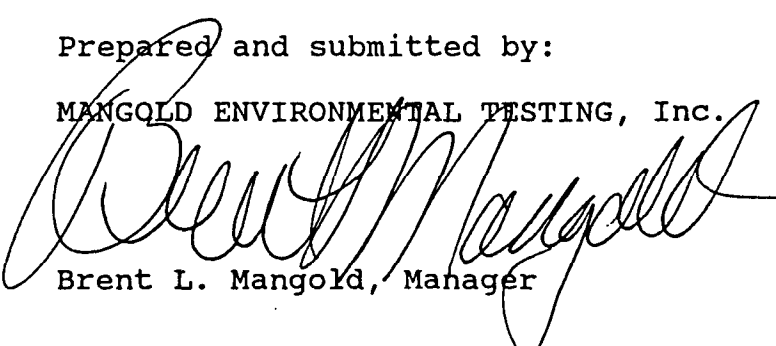
NOTE: "<" means less than; mg/L = parts per million; ug/g = mg/kg = parts per million; ug/L = parts per billion; all results are calculated on a wet weight basis.

METHOD: S-8015/IA-OA1 with Reporting Limits of: Benzene 2.0 ug/L; Ethyl benzene 2.0 ug/L; Toluene 2.0 ug/L; Xylenes, Total 2.0 ug/L; Total Hydrocarbons 0.10 mg/L.

Reporting Limits are extremely matrix dependent and may not always be achievable.

Prepared and submitted by:

MANGOLD ENVIRONMENTAL TESTING, Inc.


Brent L. Mangold, Manager

Consulting Laboratories

SPECIALIZING IN WATER AND WASTEWATER ANALYSIS



MANGOLD ENVIRONMENTAL TESTING

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712-732-7786

September 30, 1992

Page 1

Mack Brown
KANE Pipeline Company
100 N. Broadway Suite 550
Wichita, KS 67202

Account No. M200
Project No. M200-9209

SAMPLING INFORMATION

DATE 09/08/92
BY Kaneb 800-759-0033
TYPE OA1 Water
LOCATION Air Stripper Effluent
RE

RECEIVING INFORMATION

09/09/92
Sue --- deg. C
Notes

Lab ID No. 54283

EPA METHOD CODE

ANALYTE	RESULTS	EPA METHOD CODE
Benzene	<2.0 ug/L	09/18/92/djl IA OA-1
Ethyl Benzene	<2.0 ug/L	09/18/92/djl IA OA-1
Toluene	<2.0 ug/L	09/18/92/djl IA OA-1
Xylenes, Total	<2.0 ug/L	09/18/92/djl IA OA-1
Total Hydrocarbons	<0.10 mg/L	09/18/92/djl IA OA-1

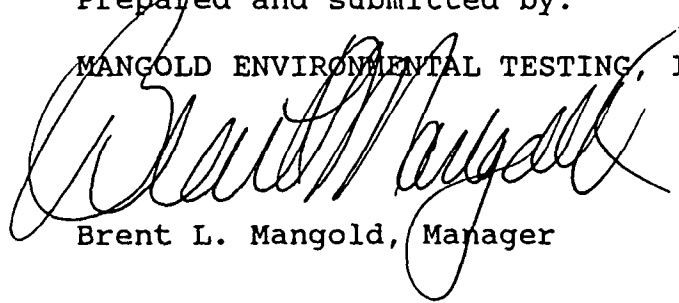
NOTE: "<" means less than; mg/L = parts per million; ug/g = mg/kg = parts per million; ug/L = parts per billion; all results are calculated on a wet weight basis.

METHOD: S-8015/IA-OA1 with Reporting Limits of: Benzene 2.0 ug/L; Ethyl benzene 2.0 ug/L; Toluene 2.0 ug/L; Xylenes, Total 2.0 ug/L; Total Hydrocarbons 0.10 mg/L.

Reporting Limits are extremely matrix dependent and may not always be achievable.

Prepared and submitted by:

MANGOLD ENVIRONMENTAL TESTING, Inc.


Brent L. Mangold, Manager

Consulting Laboratories
SPECIALIZING IN WATER AND WASTEWATER ANALYSIS



MANGOLD ENVIRONMENTAL TESTING

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712-732-7786

September 30, 1992

Page 1

Mack Brown
KANEB Pipeline Company
100 N. Broadway Suite 550
Wichita, KS 67202

Account No. M200
Project No. M200-9209

SAMPLING INFORMATION

DATE 09/08/92
BY Kaneb 800-759-0033
TYPE OA1 Water
LOCATION M.W. #6
RE

RECEIVING INFORMATION

09/09/92
Sue --- deg. C
Notes

Lab ID No. 54281

ANALYTE	RESULTS	EPA METHOD CODE
Benzene	<2.0 ug/L	09/18/92/djl IA OA-1
Ethyl Benzene	<2.0 ug/L	09/18/92/djl IA OA-1
Toluene	<2.0 ug/L	09/18/92/djl IA OA-1
Xylenes, Total	<2.0 ug/L	09/18/92/djl IA OA-1
Total Hydrocarbons	<0.10 mg/L	09/18/92/djl IA OA-1

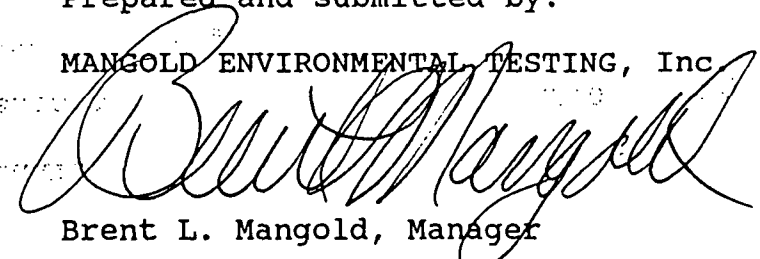
NOTE: "<" means less than; mg/L = parts per million; ug/g = mg/kg = parts per million; ug/L = parts per billion; all results are calculated on a wet weight basis.

METHOD: S-8015/IA-OA1 with Reporting Limits of: Benzene 2.0 ug/L; Ethyl benzene 2.0 ug/L; Toluene 2.0 ug/L; Xylenes, Total 2.0 ug/L; Total Hydrocarbons 0.10 mg/L.

Reporting Limits are extremely matrix dependent and may not always be achievable.

Prepared and submitted by:

MANGOLD ENVIRONMENTAL TESTING, Inc.


Brent L. Mangold, Manager

Consulting Laboratories

SPECIALIZING IN WATER AND WASTEWATER ANALYSIS

"07-Oct-92 "

MIFORD TERMINAL TEST WELL DATA

MFTFORM on disk #1		DEPTH TO WATER												LEVEL	LEVEL	LEVEL	LEVEL	
		TOP OF CASING		EIGHTS OF INCH			DEPTH TO WATER	WATER ELEV						ABOVE #8	ABOVE #8	ABOVE #8	ABOVE #8	
									WELL NO.	WATER ELEV	WATER ELEV	WATER ELEV	WATER ELEV	WELL WATER	WELL WATER	WELL WATER	WELL WATER	
DATE		NO.	ELEV	FEET	INCHES	INCH	WATER	ELEV	WELL NO.	WATER ELEV	WATER ELEV	WATER ELEV	WATER ELEV	WELL NO.	LEVEL (FT.)	LEVEL (FT.)	LEVEL (FT.)	LEVEL (FT.)
X 09-02-92		1	103.03	49	8	4	49.71	53.32	4			95.60		4			43.45	
		2	102.54	49	3	6	49.31	53.23	1				53.32	1				1.17
		3	102.63	49	7	6	49.65	52.98	2		53.23			2	1.08			
		4	102.77	49	2	0	7.17	95.60	7				53.17	7				1.02
		5	100.17	47	4	6	47.40	52.77	3				52.98	3				0.84
		6	101.30	48	7	0	48.58	52.72	5		52.77			5	0.63			
		7	103.15	49	11	6	49.98	53.17	RW8	52.15				RW8	PUMP			
PUMP WELL		RW8	100.57	48	5	0	48.42	52.15	RW9				52.82	RW9				0.67
		RW9	103.67	50	10	2	50.85	52.82	6	52.72				6	0.57			
09-09-92		1	103.03	49	7	2	49.60	53.43	4			53.71		4			1.43	
		2	102.54	49	2	4	49.21	53.33	1				53.43	1				1.15
		3	102.63	49	6	4	49.54	53.09	2		53.33			2	1.06			
		4	102.77	49	0	6	49.06	53.71	7				53.28	7				1.00
		5	100.17	47	3	6	47.31	52.86	3				53.09	3				0.81
		6	101.30	48	6	0	48.50	52.80	5		52.85			5	0.58			
		7	103.15	49	10	4	49.88	53.28	RW8	52.27				RW8	PUMP			
PUMP WELL		RW8	100.57	48	3	4	48.29	52.27	RW9				52.92	RW9				0.65
		RW9	103.67	50	9	0	50.75	52.92	6	52.80				6	0.53			
09-16-92		1	103.03	49	7	0	49.58	53.45	4			53.75		4			1.48	
		2	102.54	49	1	6	49.15	53.39	1				53.45	1				1.17
		3	102.63	49	6	0	49.50	53.13	2		53.39			2	1.12			
		4	102.77	49	0	2	49.02	53.75	7				53.28	7				1.00
		5	100.17	47	4	2	47.35	52.82	3				53.13	3				0.86
		6	101.30	48	5	4	48.46	52.84	5		52.81			5	0.54			
		7	103.15	49	10	4	49.88	53.28	RW8	52.27				RW8	PUMP			
PUMP WELL		RW8	100.57	48	3	4	48.29	52.27	RW9				52.92	RW9				0.65
		RW9	103.67	50	9	0	50.75	52.92	6	52.84				6	0.57			
09-23-92		1	103.03	49	8	0	49.67	53.36	4			53.62		4			2.39	
		2	102.54	49	3	2	49.27	53.27	1				53.36	1				2.13
		3	102.63	49	7	0	49.58	53.05	2		53.27			2	2.04			
		4	102.77	49	1	6	49.15	53.62	7				53.19	7				1.96
		5	100.17	47	4	4	47.38	52.80	3				53.05	3				1.81
		6	101.30	48	7	0	48.58	52.72	5		52.79			5	1.56			
		7	103.15	49	11	4	49.96	53.19	RW8	51.23				RW8	PUMP			
PUMP WELL		RW8	100.57	49	4	0	49.33	51.23	RW9				52.86	RW9				1.63
		RW9	103.67	50	9	6	50.81	52.86	6	52.72				6	1.48			
09/30/92		1	103.03	49	7	4	49.63	53.41	4			53.71		4			1.43	
		2	102.54	49	2	4	49.21	53.33	1				53.41	1				1.13
		3	102.63	49	6	4	49.54	53.09	2		53.33			2	1.06			
		4	102.77	49	0	6	49.06	53.71	7				53.25	7				0.98
		5	100.17	47	4	6	47.40	52.77	3				53.09	3				0.81
		6	101.30	48	6	2	48.52	52.78	5		52.77			5	0.50			
		7	103.15	49	10	6	49.90	53.25	RW8	52.27				RW8	PUMP			
PUMP WELL		RW8	100.57	48	3	4	48.29	52.27	RW9				52.90	RW9				0.63
X		RW9	103.67	50	9	2	50.77	52.90	6	52.78				6	0.51			