



# LABORATORIES, Inc.

P.O. BOX 249, 1126 N. FRONT STREET  
NEW ULM, MN 56073-0249  
PHONE (507) 354-8517 WATS (800) 782-3557 FAX (507) 359-2890



**WE ARE AN EQUAL OPPORTUNITY EMPLOYER**

## SOLID ANALYSIS REPORT

GARY ECKERT  
B & H PETROLEUM EQUIPMENT CO  
218 S VICTORY DR  
MANKATO MN 56001-5329

Work Order #: 21-5566  
Client Account Number: 013126

Project Name: WELLS CONCRETE  
Project Number: 019306



Terrance W. Baumgart, Chemist

NQ = Not Present, Qualitative Only  
PQ = Present, Qualitative Only  
BDL = Below Detection Limits  
MDL = Method Detection Limits  
ND = Not Determined

GRO - WI LUFT MANUAL



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**WE ARE AN EQUAL OPPORTUNITY EMPLOYER**

Lab Number: 93-Q2

Date Reported: 7/ 5/93

Work Order #: 21-5566

Date Sampled: 6/ 7/93

Client: GARY ECKERT

Date Received: 6/10/93

Temperature at Receipt: ON ICE

DRO Extraction Date: 6/11/93

DRO Analysis Date: 6/22/93

DRO Dilution Factor: 1

Sample Description: SS-1 (11')  
TANK BOTTOM

Analyte	Result	Units	MDL
Sample Concentration For DRO	3150	ppm	10.0

*sample at 11'  
excavation to 14' ND*



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**WE ARE AN EQUAL OPPORTUNITY EMPLOYER**

Lab Number: 93-Q3

Date Reported: 7/ 5/93

Work Order #: 21-5566

Date Sampled: 6/ 7/93

Client: GARY ECKERT

Date Received: 6/10/93

Temperature at Receipt: ON ICE

DRO Extraction Date: 6/11/93

DRO Analysis Date: 6/22/93

DRO Dilution Factor: 1

Sample Description: SS-1 (14')  
1' BELOW PAD

Analyte

Result Units MDL

=====

=====

Sample Concentration For DRO

BDL ppm 10.0



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**WE ARE AN EQUAL OPPORTUNITY EMPLOYER**

Lab Number: 93-Q4

Date Reported: 7/ 5/93

Work Order #: 21-5566

Date Sampled: 6/ 7/93

Client: GARY ECKERT

Date Received: 6/10/93

Temperature at Receipt: ONE ICE

DRO Extraction Date: 6/11/93

DRO Analysis Date: 6/22/93

DRO Dilution Factor: 1

Sample Description: SS-3 (12')  
SIDEWALL

Analyte

Result Units MDL

=====

=====

Sample Concentration For DRO

BDL ppm 10.0



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**WE ARE AN EQUAL OPPORTUNITY EMPLOYER**

Lab Number: 93-Q5

Date Reported: 7/ 5/93

Work Order #: 21-5566  
Client: GARY ECKERT

Date Sampled: 6/ 7/93  
Date Received: 6/10/93  
Temperature at Receipt: ONE ICE  
DRO Extraction Date: 6/11/93  
DRO Analysis Date: 6/22/93  
DRO Dilution Factor: 1

Sample Description: SS-4 (8')  
2' BELOW TANK

Analyte

Result Units MDL  
=====

Sample Concentration For DRO

BDL ppm 10.0



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**WE ARE AN EQUAL OPPORTUNITY EMPLOYER**

Lab Number: 93-Q6

Date Reported: 7/ 5/93

Work Order #: 21-5566

Date Sampled: 6/ 7/93

Client: GARY ECKERT

Date Received: 6/10/93

Temperature at Receipt: ONE ICE

DRO Extraction Date: 6/11/93

DRO Analysis Date: 6/22/93

DRO Dilution Factor: 1

Sample Description: SS-5 (10')  
SIDEWALL

Analyte

Result Units MDL

=====

=====

Sample Concentration For DRO

BDL ppm 10.0



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**WE ARE AN EQUAL OPPORTUNITY EMPLOYER**

Lab Number: 93-Q7

Date Reported: 7/ 6/93

Work Order #: 21-5566

Date Sampled: 6/ 7/93

Client: GARY ECKERT

Date Received: 6/10/93

Temperature at Receipt: ON ICE

Sample Description: SS-2 (14')  
2' BELOW TANK

Analysis Date: 6/19/93

Dilution Factor: 1

Analyte	Result	Units	MDL
=====	=====	=====	=====
Benzene	BDL	ppb	20
Toluene	BDL	ppb	20
Ethyl Benzene	BDL	ppb	15
Xylenes (Total)	BDL	ppb	15
Sample Concentration For GRO	BDL	ppm	7.5



**LABORATORIES, Inc.**

1126 North Front Street  
New Ulm, MN 56073

Phone: (507) 354-8517

Wats: (800) 782-3557 Fax: (507) 359-1231

No 2499

WORK ORDER # 21-5566

Project Name/Number

Wells Concrete

# CHAIN OF CUSTODY RECORD

PLEASE DO NOT WRITE IN THE SHADED AREAS

Report to: B&H Petroleum  
Address: 218 50 Victory Dr. Monticello MN  
Phone: 367-6629 Fax: 5601

Invoice to:  
Address: Same  
Phone:

Name of Sampler: Russell  
Representing: B&H

Lab Use Only	Your Sample I.D. or Number	Sample Description	Date		Type of Sample (Matrix or Substance)				Analyze For:	
			Time		Soil	Water	Food	Other (Please Be Specific)		
	Example	Tank Bottom Tank #3	5/20/91	11:45 a.m.				X	Sampled: Liquid: Layer Not bottom sludge	Vitamin A, TKN, Iron, Calcium BOD, COD, Acetone, Shelf Life
<u>93-02</u>	<u>SS-1 -11'</u>	<u>Tank Bottom</u>	<u>6-7-93</u>	<u>8 AM</u>						<u>M.P.C.A Requirements For DRO</u>
<u>93-03</u>	<u>SS-1 -14'</u>	<u>1' Below Pad</u>	<u>6-7-93</u>	<u>9 AM</u>						<u>" " DRO</u>
<u>93-07</u>	<u>SS-2</u>	<u>2' Below Tank</u>	<u>6-7-93</u>	<u>10 AM</u>						<u>" " GRO</u>
<u>93-04</u>	<u>SS-3</u>	<u>Sidewall</u>	<u>6-7-93</u>	<u>11 AM</u>						<u>" " DRO</u>
<u>93-05</u>	<u>SS-4</u>	<u>2' Below Tank</u>	<u>6-7-93</u>	<u>12 noon</u>						<u>" " DRO</u>
<u>93-06</u>	<u>SS-5</u>	<u>Sidewall</u>	<u>6-7-93</u>	<u>2 pm</u>						<u>" " DRO</u>

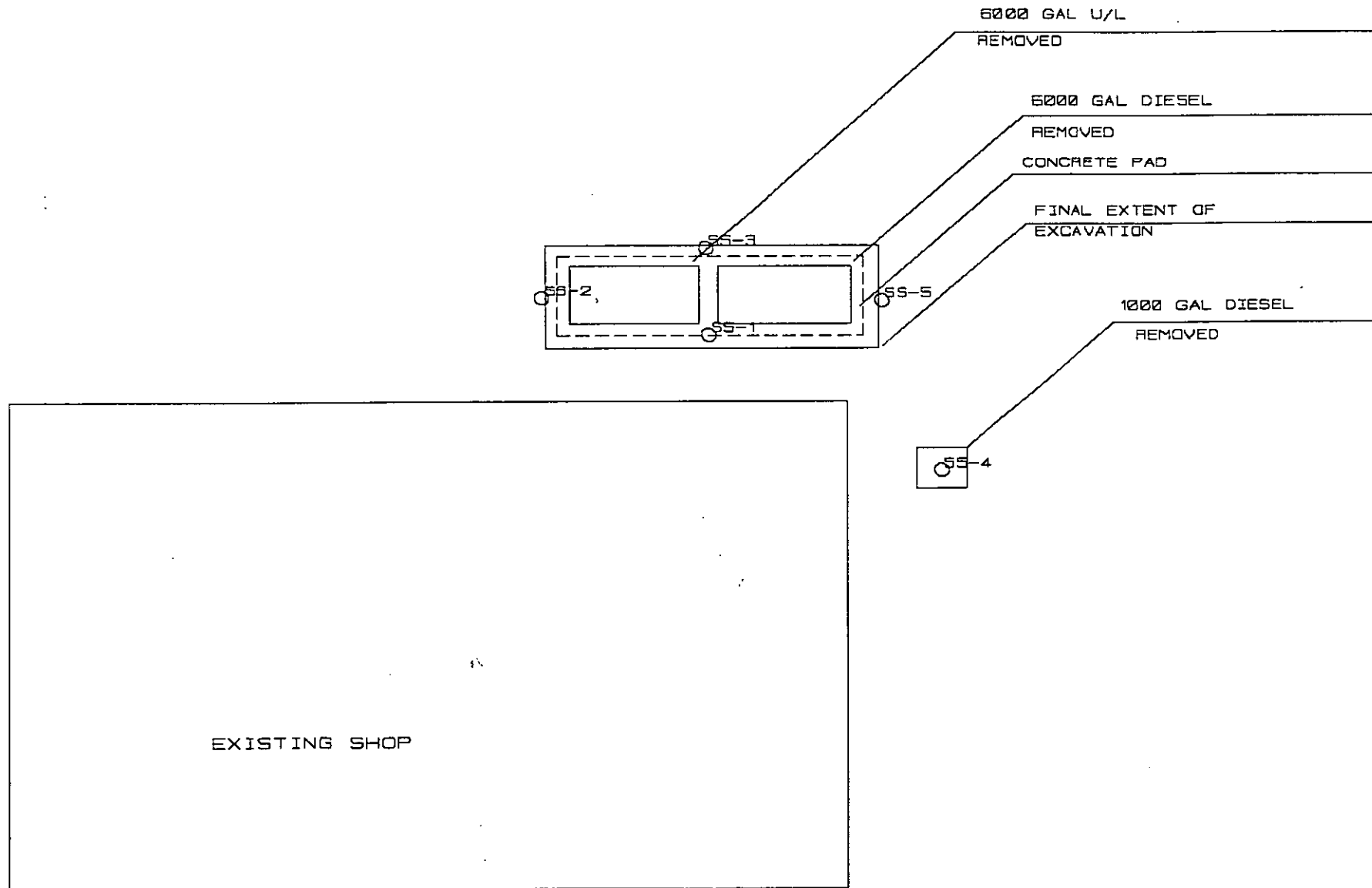
Transferred by:	Comments: (Sample Condition)	Date		Received by:	Comments: (Sample Condition)	Date		°C
		Time				Time		
<u>1</u>				<u>Mary Lou Helm</u>	<u>received on ice</u>	<u>10 JUNE 93</u>	<u>1:45 PM</u>	
<u>2</u>								
<u>3</u>								
<u>4</u>								

Disposed of By: \_\_\_\_\_ Disposal Comments: \_\_\_\_\_

Please submit the top two copies with your samples. We will return the completed original with your results.



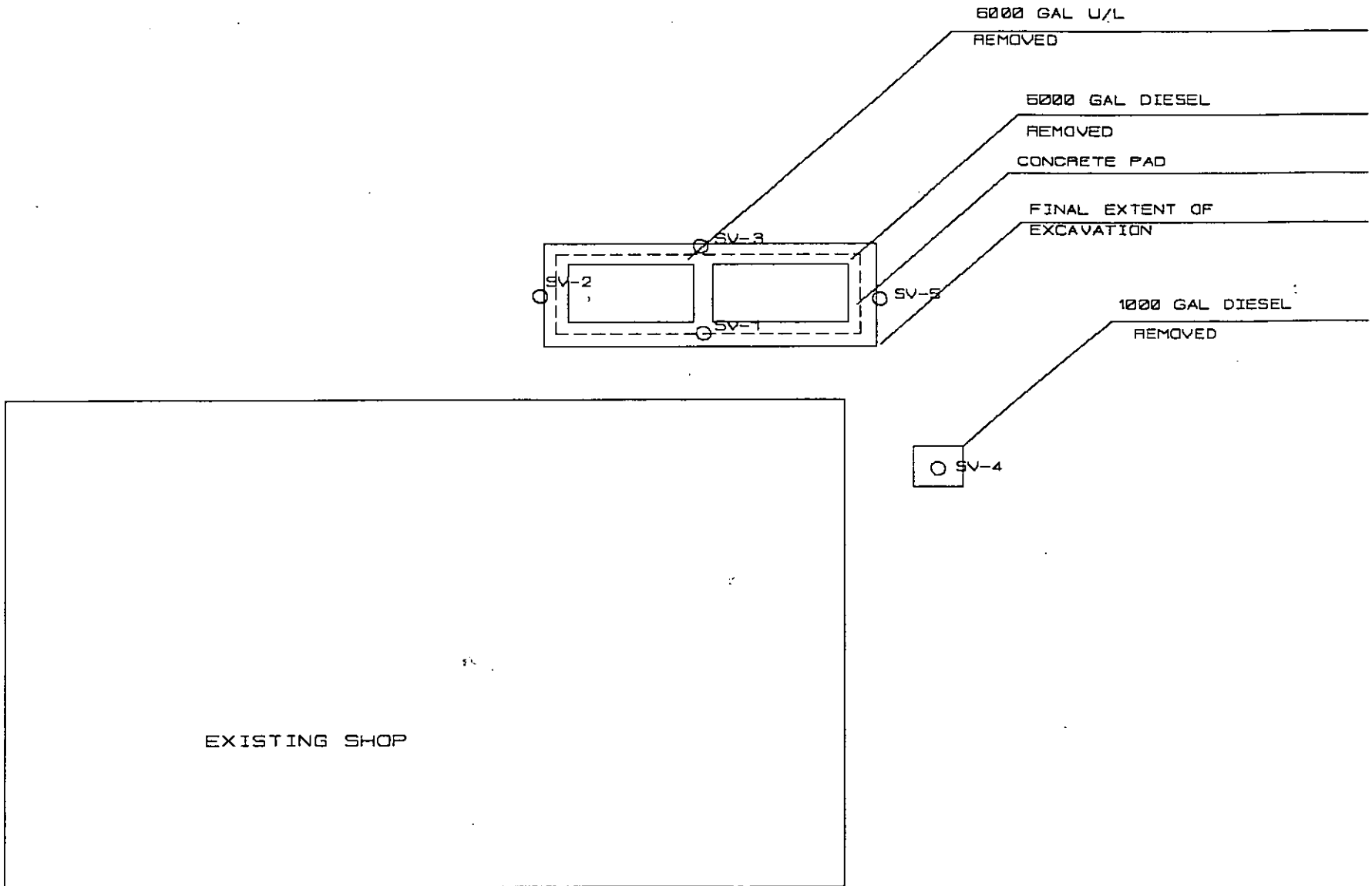
WELLS CONCRETE  
WELLS, MN.



WELLS CONCRETE  
WELLS, MN.



SCALE 1"=20'



SOIL SAMPLING FORM

Project Wells Concrete Work Order # \_\_\_\_\_  
 Location \_\_\_\_\_ Recorded by Russell  
 Cleaning \_\_\_\_\_ Date 6-7-93  
 Describe Sampling Point \_\_\_\_\_  
 Reviewed By \_\_\_\_\_ Boring \_\_\_\_\_  
 Sampling Method \_\_\_\_\_  
 Organic Vapor Detector \_\_\_\_\_

Depth	Soil Type	Sample ID	Samples Collected	Organic Vapors (ppm)	Contamination Observations Location
2'	Clay	SV-1	G/E	BDL	Clean Soil
4'	Clay	SV-1	G/E	BDL	Clean Soil
6'	Clay	SV-1	G/E	187	Slight odor
8'	Clay	SV-1	G/E	472	Greenish color
10'	Clay	SV-1	G/E	698	Heavy odor
12'	Clay	SV-1	G/E	271	Tank Bottom
14'	Clay	SV-1	Bottom	BDL	Clean hard clay
2'	Clay	SV-2	G/E	BDL	Clean Top
4'	Clay	SV-2	G/E	BDL	Clean
6'	Clay	SV-2	G/E	<del>BDL</del>	Slight Greenish tint
8'	Clay	SV-2	G/E	2	NO odor
10'	Clay	SV-2	G/E	BDL	yellow clay
12'	Clay	SV-2	Bottom	BDL	yellow Clay

Depth to Ground Water N/A Boring Abandonment Method \_\_\_\_\_

Comments Contamination appears to be Confined to Tank Farm Backfill

SOIL SAMPLING FORM

Project Wells Concrete Work Order # \_\_\_\_\_

Location \_\_\_\_\_ Recorded by Russell

Cleaning \_\_\_\_\_ Date 6-7-93

Describe Sampling Point \_\_\_\_\_

Reviewed By \_\_\_\_\_ Boring \_\_\_\_\_

Sampling Method \_\_\_\_\_

Organic Vapor Detector \_\_\_\_\_

Depth	Soil Type	Sample ID	Samples Collected	Organic Vapors (ppm)	Contamination Observations Location
2'	Clay	SV-3	G/E	BDL	Clean top
4'		SV-3	G/E	BDL	No odor
6'		SV-3	G/E	BDL	No odor
8'		SV-3	G/E	2	Clean
10'		SV-3	G/E	2	Tank Bottom
12'		SV-3	Bottom	BDL	Yellow Clay
2'		SV-4	G/E	BDL	Clean
4'		SV-4	G/E	BDL	Clean
6'		SV-4	G/E	BDL	No odor
8'		SV-4	Bottom	BDL	No odor
2'		SV-5	G/E	BDL	Clean
4'		SV-5	G/E	BDL	Clean
6'		SV-5	G/E	BDL	good in color

Depth to Ground Water N/A Boring Abandonment Method \_\_\_\_\_

Comments Native Soil is Clay No apparent Contamination penetrate other than original Backfill material

SOIL SAMPLING FORM

Project Wells Concrete Work Order # \_\_\_\_\_

Location \_\_\_\_\_ Recorded by Russell

Cleaning \_\_\_\_\_ Date 6-7-93

Describe Sampling Point \_\_\_\_\_

Reviewed By \_\_\_\_\_ Boring \_\_\_\_\_

Sampling Method \_\_\_\_\_

Organic Vapor Detector \_\_\_\_\_

Depth	Soil Type	Sample ID	Samples Collected	Organic Vapors (ppm)	Contamination Observations Location
<u>8'</u>	<u>Clay</u>	<u>SV-5</u>	<u>G/E</u>		<u>No odor</u>
<u>10'</u>	<u>Clay</u>	<u>SV-5</u>	<u>G/E</u>		<u>tank Bottom</u>
<u>12'</u>	<u>Clay</u>	<u>SV-5</u>	<u>Bottom</u>		<u>hard Clay</u>

Depth to Ground Water \_\_\_\_\_ Boring Abandonment Method \_\_\_\_\_

Comments \_\_\_\_\_