



AN ENVIRONMENTAL COMPLIANCE COMPANY

316 W Indiana Ave.
Chesterton, IN 46304

TANK PRESSURE CALCULATION and WATER SENSOR CALIBRATION

EZY CHEK SYSTEMS

FINAL REPORT

PC # and WO #	
NAME and FID #	CITGO #15886
ADDRESS	800 W 61ST AVE
CITY/STATE/ZIP	MERRILLVILLE, 46410
CONTACT	PRINCE
PHONE	219-484-9576

DATE AND TIME	8-11-25 7:47-9:50
WEATHER	73 SUNNY
INVOICE	COLLECTED
TOTAL TANK VOL.	12158
PRODUCT VOL.	6535
ULLAGE VOL.	5623
PRODUCT TYPE	REGULAR
TANK #	1
Water Level Surrounding Tanks	20.00
BY:	STICK
WHERE:	MONITORING WELL - TANK BED

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

PASS TIGHT TANK

THIS UNDERGROUND STORAGE TANK PASSES / FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

PASS ULLAGE (DRY) PORTION OF LEAK

THIS UNDERGROUND STORAGE TANK PASSES / FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

PASS BELOW PRODUCT LEVEL (WET) PORTION LEAK

THIS UNDERGROUND STORAGE TANK PASSES / FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

WATER SENSOR INDICATES:

(MARK ONLY ONE)

No Water Intrusion	X
Water Intrusion	
Not Applicable	

OPERATOR INFO

Print Name	Ryan Hartman	Certification #	02-6669
Sign Name	<i>Ryan Hartman</i>	Expiration Date	9/3/25
Testing Company	Midwest Tank Testing	Telephone #	800-975-1436
Address	316 W Indiana Ave.		
City/State/Zip	Chesterton, IN 46304		

	Serial Number
IN-TANK MICROPHONE	M1904001 M2106004 M2235001
ACOUSTIC SIGNAL PROCESSOR	E1815004
PRESSURE SENSOR	40665414 40665314 41425121
WATER SENSOR DISPLAY	D1902350 D1411504 D2203802
WATER SENSOR PROBE	P2310618 P2310610 P2207117

Calibration Expiration Date
November-25
November-25
November-25
November-25
November-25

COMMENTS/RECOMMENDATIONS:

TANK PRESSURE CALCULATION and WATER SENSOR CALIBRATION

EZY CHEK SYSTEMS

DATA SHEET

Test Location Information		Certifications
PC # and WO #		Indiana: UC201511138C & UC111867
NAME and FID #	CITGO #15886	Illinois: 002401
ADDRESS	800 W 61ST AVE	Wisconsin: 411637
CITY/STATE/ZIP	MERRILLVILLE, 46410	
CONTACT	PRINCE	
PHONE	219-484-9576	

DATE AND TIME	8-11-25 7:47-9:50	
WEATHER	73 SUNNY	
INVOICE	COLLECTED	
TOTAL TANK VOL.	12158	
PRODUCT VOL.	6535	
ULLAGE VOL.	5623	
PRODUCT TYPE	REGULAR	
TANK #	1	
Water Level Surrounding Tanks		20.00
BY:	MEASURING STICK	
WHERE:	MONITORING WELL - TANK BED	

TANK TIGHTNESS TEST - (TTT) PRESSURE SENSOR CALCULATION

47.00	x	0.026	=	1.222	PSI (1)
INCHES OF PRODUCT		WEIGHT OF PRODUCT			
0.00	x	.036	=	0.000	PSI (2)
INCHES OF WATER IN TANK					
Line 1 + Line 2 = Total Positive Head Pressure In Tank			=	1.222	PSI (3)
20.00	x	.036	=	0.720	PSI (4)
INCHES OF WATER OUTSIDE TANK					
Total Head Pressure Minus Outside Water Pressure			=	0.502	+/- PSI (5)
Always add .5 PSI			+	0.500	PSI (6)
NOTE: If Line 6 is Less Than .5 PSI Line 7 Shall be .5 PSI					
TEST PRESSURE			=	1.002	+/- PSI (7)

ACOUSTIC TEST TIME

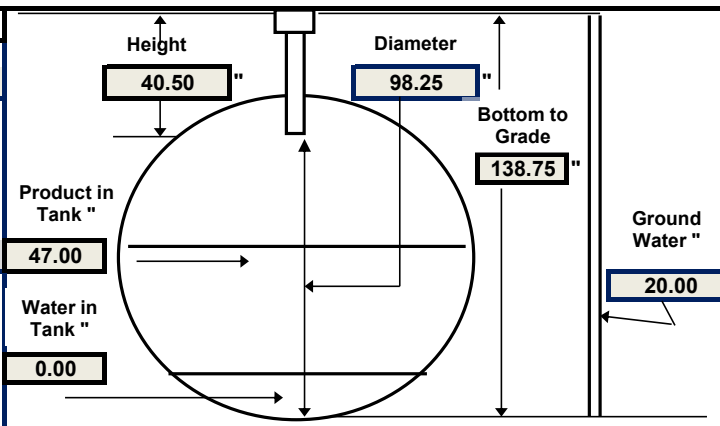
	Time	Pressure
Baseline Background:	8:28 AM	0.0
Blower Started:	8:30 AM	0.0
Test Pressure Reached:	8:46 AM	1.105
Blower Turned Off:	8:46 AM	1.105
Test Began:	8:47 AM	1.103
Test Ended:	8:49 AM	1.100

EQUIPMENT CALIBRATION DUE DATE AND SERIAL NUMBERS

	Serial Number	Calibration Due Date
In-Tank Microphone	M1904001 M2106004 M2235001	November-25
Acoustic Signal Processor	E1815004	November-25
Pressure Sensor	40665414 40665314 41425121	November-25
Water Sensor Display	D1902350 D1411504 D2203802	November-25
Water Sensor Probe	P2310618 P2310610 P2207117	November-25

WATER SENSOR CALIBRATION

Added:	70	70	80
	Cal #1	Cal #2	Cal #3
Average:	73		
Calculation for Test Period:			
73	÷ 3780 =	0.019	÷ .05
Avg. Cal.	"A" Factor	0.386	x 60
			23 minutes
Water Intrusion Test Period:			
Began:	8:55 AM		
Ended:	9:18 AM		





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NAME and FID #	CITGO #15886
ADDRESS	800 W 61ST AVE
CITY/STATE/ZIP	MERRILLVILLE, 46410
CONTACT	PRINCE
PHONE	219-484-9576

DATE AND TIME	8-11-25 7:47-9:50
WEATHER	73 SUNNY
INVOICE	COLLECTED
TOTAL TANK VOL.	4136
PRODUCT VOL.	1802
ULLAGE VOL.	2334
PRODUCT TYPE	PREMIUM
TANK #	2
Water Level Surrounding Tanks	20.00
BY:	STICK
WHERE:	MONITORING WELL - TANK BED

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

PASS TIGHT TANK

THIS UNDERGROUND STORAGE TANK PASSES / FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

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THIS UNDERGROUND STORAGE TANK PASSES / FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

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THIS UNDERGROUND STORAGE TANK PASSES / FAILS THE CRITERIA SET FORTH BY THE U.S. EPA.

WATER SENSOR INDICATES:

(MARK ONLY ONE)

No Water Intrusion ☒

Water Intrusion ☐

Not Applicable ☐

OPERATOR INFO

Print Name	Ryan Hartman	Certification #	02-6669
Sign Name	<i>Ryan Hartman</i>	Expiration Date	9/3/25
Testing Company	Midwest Tank Testing	Telephone #	800-975-1436
Address	316 W Indiana Ave.		
City/State/Zip	Chesterton, IN 46304		

IN-TANK MICROPHONE	Serial Number
	M1904001 M2106004 M2235001
ACOUSTIC SIGNAL PROCESSOR	E1815004
PRESSURE SENSOR	40665414 40665314 41425121
WATER SENSOR DISPLAY	D1902350 D1411504 D2203802
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COMMENTS/RECOMMENDATIONS:

TANK PRESSURE CALCULATION and WATER SENSOR CALIBRATION

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Test Location Information		Certifications
PC # and WO #		Indiana: UC201511138C & UC111867
NAME and FID #	CITGO #15886	Illinois: 002401
ADDRESS	800 W 61ST AVE	Wisconsin: 411637
CITY/STATE/ZIP	MERRILLVILLE, 46410	
CONTACT	PRINCE	
PHONE	219-484-9576	

TANK TIGHTNESS TEST - (TTT) PRESSURE SENSOR CALCULATION

39.00	x	0.026	=	1.014	PSI (1)
INCHES OF PRODUCT		WEIGHT OF PRODUCT			
0.00	x	.036	=	0.000	PSI (2)
INCHES OF WATER IN TANK					
Line 1 + Line 2 = Total Positive Head Pressure In Tank			=	1.014	PSI (3)
20.00	x	.036	=	0.720	PSI (4)
INCHES OF WATER OUTSIDE TANK					
Total Head Pressure Minus Outside Water Pressure			=	0.294	+/- PSI (5)
Always add .5 PSI			+	0.500	PSI (6)
NOTE: If Line 6 is Less Than .5 PSI Line 7 Shall be .5 PSI					
TEST PRESSURE			=	0.794	+/- PSI (7)

ACOUSTIC TEST TIME

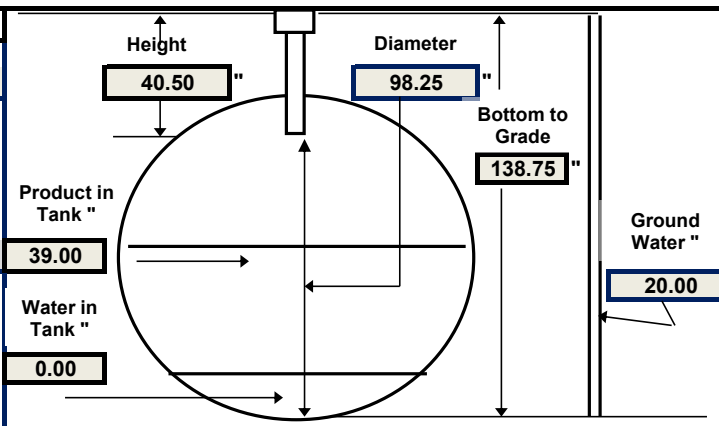
	Time	Pressure
Baseline Background:	8:29 AM	0.0
Blower Started:	8:30 AM	0.0
Test Pressure Reached:	8:46 AM	0.915
Blower Turned Off:	8:46 AM	0.915
Test Began:	8:49 AM	0.908
Test Ended:	8:51 AM	0.905

EQUIPMENT CALIBRATION DUE DATE AND SERIAL NUMBERS

	Serial Number	Calibration Due Date
In-Tank Microphone	M1904001 M2106004 M2235001	November-25
Acoustic Signal Processor	E1815004	November-25
Pressure Sensor	40665414 40665314 41425121	November-25
Water Sensor Display	D1902350 D1411504 D2203802	November-25
Water Sensor Probe	P2310618 P2310610 P2207117	November-25

WATER SENSOR CALIBRATION

Added:	70	80	80
	Cal #1	Cal #2	Cal #3
Average:	77		
Calculation for Test Period:			
77	÷ 3780 =	0.020	÷ .05
Avg. Cal.	"A" Factor	0.407	x 60
			24 minutes
Water Intrusion Test Period:			
Began:	8:58 AM		
Ended:	9:22 AM		



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Underground Storage Tank



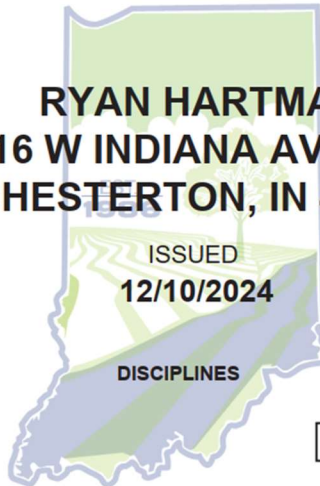
IDEM

RYAN HARTMAN
316 W INDIANA AVENUE
CHESTERTON, IN 46304

STATE/PERMIT#
UC111867

ISSUED
12/10/2024

EFFECTIVE
12/10/2024



☒ Installation or Retrofitting
Expiration Date: **11/26/2026**

☐ Decommissioning
Expiration Date:

☒ Cathodic Protection
Expiration Date: **3/1/2026**

☒ Tank Tightness Testing
Expiration Date: **3/30/2026**

The attached testing was completed at this site by an IDHS certified technician.

Technician's Signature: _____

Ryan Hartman



316 W. Indiana Ave.
Chesterton, IN 46304
(800) 975-1436
Serving the Midwest Since 1990