



**MESA 2-D Tank Test**

P.O. Box 414 Mustang, OK 405-590-5782

Job No: 1012

Customer: SCOTTY'S COUNTRY STORE

Date: 3/8/2019

Location/Site Address: 110 N. MAIN - ARNETT

Technician: RYAN WELSH

Phone: 405-249-0096

Lic./Cert.#: M/OK249

Facility ID:


Province: OK

**Tank Testing Results Summary**

Tank Number	Capacity	Contents	MESA 2-D Test Result
1	6,000	Conventional Fuel w/E10	Pass
2	4,000	Regular	Pass

**Comments:**

WATER IN E-10 TANK FROM COPPER RING IN FILL RISER, YOU CAN SEE WATER INTRUSION MARKS DOWN DROP TUBE. CUT BOTH COPPER RINGS OFF BOTH FILL RISERS AND REPLACED WITH NEW. COULD NOT UNSCREW EITHER ONE TO GET DROP TUBES OUT. RISERS SEEM TO HAVE WORN OUT THREADS, MAY NEED TO REPLACE RISERS.

  
3-8-2019

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 Lic./Cert.#: M/OK249 Facility ID: Province: OK

## General Tank Information

Underground Storage Tank

Steel

Tank# 1	Location WEST TANK	Retest? No	Isolated? Yes
Product: Conventional Fuel w/E10		Capacity: 6,000 gal.	Diameter: 96 inches
Start Total Liquid: 4.500			
Start Water (in.): 3.500			
Start Fuel (in.): 1.000			
Prod. specific gravity: 0.7420	Tank bottom to grade: 134		
Minimum depth of sample required to test ground water (includes 2 in. add'l)	131.758		

## Pressure Sensor Calculation

(Tank #1)

Depth of Groundwater from Grade: 134.000	Depth of Groundwater Determined: by M.W.
Inches of Water Outside Tank: 0.000	where: SOUTH PIT
	60.000 Normal Pressure
Test Pressure:	60.000 Inches of Water Column

## Water Sensor Calibration

(Tank #1)

Added:	Calibration #1	Calibration #2	Calibration #3	Average:
Average ÷ 3780 = "A" factor:	÷ 0.05			= Time of Test:
Water Test Intrusion Period	Test Began:	Test Ended:		

## Mesa 2-D Test Results

(Tank #1)

Sonde Serial #	SB0178	Calibration Test:	Pass
Vacuum Pressure Start:	60	Vacuum Pressure Finish:	60
Vacuum Start Time:	1313	Vacuum Finish Time:	1333
MESA 2-D Result: Pass		Total Vacuum Time:	20
End Total Liquid:	4.500	End Water:	3.500
		End Fuel:	1.000



Test Number 1012-(E-10)

# STATEWIDE COMPLIANCE SERVICES, INC.

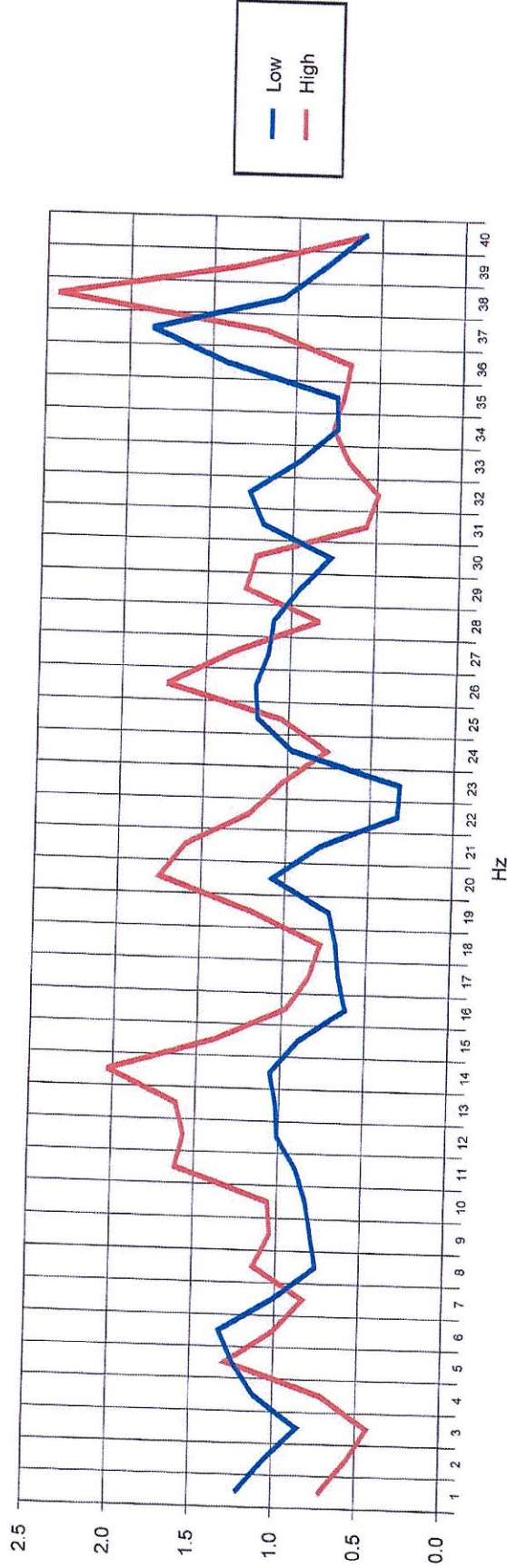
## PLOT OF DIGITAL TANK TEST DATA

SCOTTY'S COUNTRY STORE  
110 N. MAIN  
ARNETT, OK

6,000 E-10 Tank (Steel)

Water level: 3.5", Fuel level: 4.5"

Amplitude Ratios: Low Band (12.0 kHz) , High Band (24.0 kHz)



Low Band Ratio =  $0.003187 / 0.003431 = 0.929$  High Band Ratio =  $0.001540 / 0.001484 = 1.038$  Threshold = 1.5

Test Result = Pass

Date and Time of Test: 03/08/2019 13:33

Test Vacuum was -60" of Water

# MESA 2-D Tank Test



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 Lic./Cert.#: M/OK249 Facility ID: Province: OK

## General Tank Information

Underground Storage Tank

Steel

Tank# 2	Location EAST TANK	Retest? No	Isolated? Yes
Product: Regular	Capacity: 4,000 gal.	Diameter: 96	inches
Start Total Liquid: 4.500			
Start Water (in.): 0.000			
Start Fuel (in.): 4.500			
Prod. specific gravity: 0.7370	Product in Tank: 4.500	Water in Tank: 0.000	
Tank bottom to grade: 134	Bottom To Grade: 134	Depth of Ground Water from surface, (if found): 134.000	
Minimum depth of sample required to test ground water (includes 2 in. add'l): 132.684			

## Pressure Sensor Calculation

(Tank #2)

Depth of Groundwater from Grade: 134.000	Depth of Groundwater Determined by: M.W.
Inches of Water Outside Tank: 0.000	where: SOUTH PIT
	60.000 Normal Pressure
Test Pressure:	60.000 Inches of Water Column

## Water Sensor Calibration

(Tank #2)

Added:	Calibration #1	Calibration #2	Calibration #3	Average:
Average ÷ 3780 = "A" factor:			÷ 0.05	= Time of Test:
Water Test Intrusion Period	Test Began:			Test Ended:

## Mesa 2-D Test Results

(Tank #2)

Sonde Serial #	SB0178	Calibration Test:	Pass
Vacuum Pressure Start:	60	Vacuum Pressure Finish:	60
Vacuum Start Time:	1350	Vacuum Finish Time:	1420
MESA 2-D Result: Pass		Total Vacuum Time:	30
End Total Liquid:	4.500	End Water:	0.000
		End Fuel:	4.500



Test Number 1012-UL

# STATEWIDE COMPLIANCE SERVICES, INC.

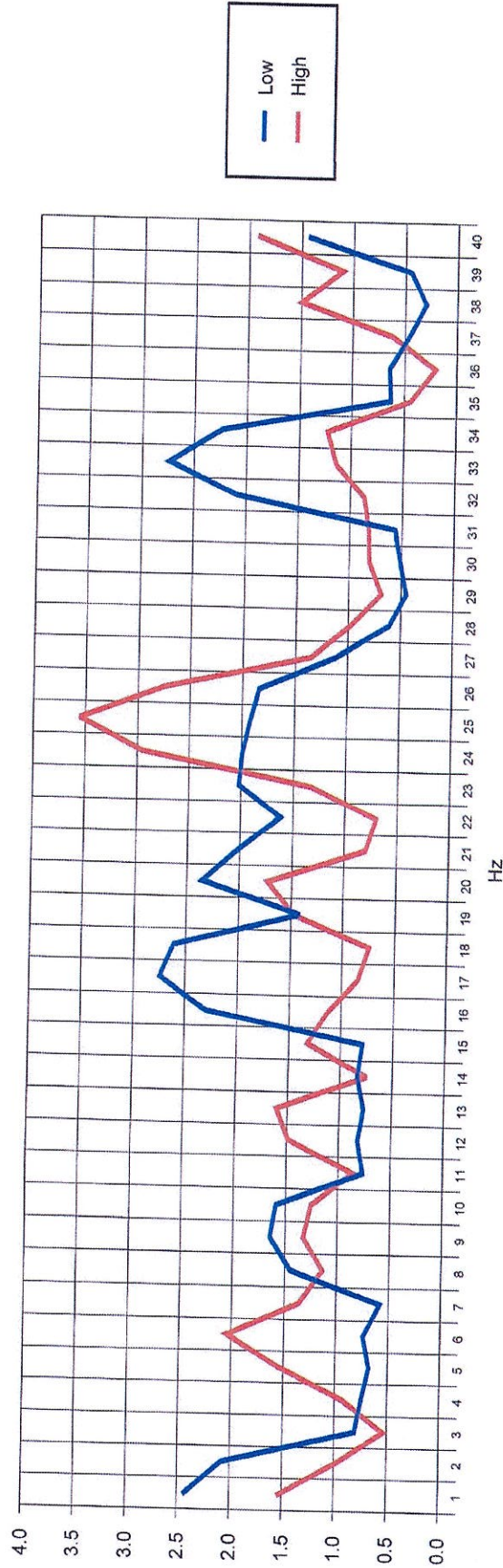
## PLOT OF DIGITAL TANK TEST DATA

SCOTT'S COUNTRY STORE  
110 N. MAIN  
ARNETT, OK

4,000 UL Tank (Steel)

Water level: 0", Fuel level: 4.5"

Amplitude Ratios: Low Band (12.0 kHz) , High Band (24.0 kHz)



Low Band Ratio =  $0.002022 / 0.003302 = 0.612$  High Band Ratio =  $0.001465 / 0.001319 = 1.111$  Threshold = 1.5

Test Result = Pass

Date and Time of Test: 03/08/2019 14:20

Test Vacuum was -60" of Water



**OKLAHOMA CORPORATION COMMISSION – PETROLEUM STORAGE TANK DIVISION**  
**P.O. BOX 52000, Oklahoma City, OK 73152-2000**  
**(405) 521-4683**

**CATHODIC PROTECTION SYSTEM SURVEY**

3-8-19  
**Date Test Completed**

110 N. Main  
**Facility Address**

SCS, INC.  
**Testing Company Name:**

405-467-4353  
**Testing Company Phone**

Scotty's Country Store  
**Facility Name**

Arnett  
**City/Zip**

PO BOX 414  
**Testing Company Address:**

STI #CP - 141557  
**Tester's Credentials (i.e. NACE, STI, or other course certification / license number).**

RYAN WELSH  
**Facility ID No.**

MUSTANG, OK. 73064  
**Tester's Name**

City/State & Zip:

**REASON FOR TEST:**

Within 6 months of New or Replaced Installation – Installation Date: \_\_\_\_\_

As required every 3 years after Installation – Date of Prior CP Survey Certification: \_\_\_\_\_

Within 6 months of Repairs – Date repairs completed and describe: \_\_\_\_\_

Industry standards used to complete adequate design and/or verify CP system properly working:

STI R892  STI R972  STIR051  ASTM G158  ASTM G57  NACE RP 0169  NACE RP 0285

Other (Describe): \_\_\_\_\_

**TYPE OF CATHODIC PROTECTION SYSTEM:**

IMPRESSED CURRENT  SACRIFICIAL

100 mV Polarization Decay  -850 vV Potential Test  Polarized Potential ("Instant Off")

Are all CP System components working according to standards and facility system design?  Yes  No

Is the current CP design available at the facility?  Yes  No

Are the 60-day readings for the last 12 months at the facility?  Yes  No

**IMPRESSED CURRENT RECTIFIER DATA:** Amps 5.3 Volts 7.7 Hours 6,212

(If Not Equipped – enter N/E; If Not Working – enter N/W; Enter reading only if meter is present)

**IMPRESSED CURRENT SYSTEMS MUST MAINTAIN ELECTRIC POWER AT ALL TIMES**  
**PLEASE READ BELOW AND COMPLETE FORM AS REQUESTED**

When performing the 100 mV Polarization Decay test method, indicate the period of time allowed before recording the base polarized "off" potentials. Record both the immediate "off" potential (after allowing the IR drop component to dissipate), and the decay potential at each test point ON THE SITE MAP submitted with this report. Due to varying site conditions, such as soil moisture, temperature, and other outside influences, a new base "off" potential must be determined during each testing period. Describe the Polarization Decay Period:

When performing the "Instant Off" test method, be certain that the IR drop component has dissipated before recording the Polarized Potential. At each test point ON THE SITE MAP submitted with this report, record both the "on" and "instant off" voltage readings.

All potentials must be recorded for BOTH tanks and piping (regardless of material of construction or registration information), and taken in direct contact with soil. Electrical continuity or isolation must be measured and documented ON THE SITE MAP.

For all test methods, provide a SITE MAP (include North arrow and site building) showing the location of each test point and the measured values obtained. The CP Survey must include readings for tanks, piping, and any system components that may be in contact with the soil.

My signature affirms that I have sufficient education and experience to be a cathodic protection tester; I am competent to perform the tests indicated above; the results on this form are a complete and truthful record of all testing at this location on the date shown above.

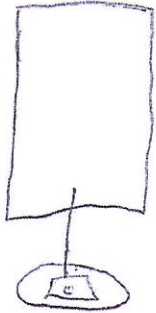
CP Tester Signature: [Signature] Date: 3-8-19

**NOTE TO THE OWNER:** If your CP system is not working, properly, you must have a CP Technician, CP Specialist, or Corrosion Expert investigate and fix the problem. A CP Technician/CP Specialist/Corrosion Expert must be either (1) Accredited/Certified by NACE International, or (2) A competent Registered Professional Engineer with certification or licensing in Corrosion Control. You must keep a record of all CP installation designs and repairs for as long as you own the underground storage tank(s).

**KEEP THIS REPORT & SITE MAP ON FILE FOR AT LEAST SIX YEARS. THIS FORM MUST BE FULLY COMPLETED.**

Back →  
↵

3-8-19

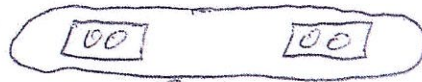
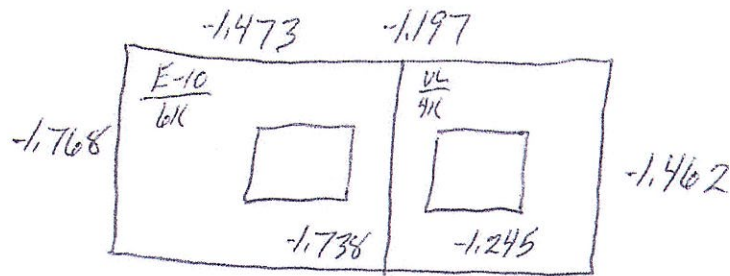


Diesel Tank  
and Line are  
AST.



Scotty's Country Store  
110 N. Main  
Arnett, OK

Liquid below piping is STP's,  
Lines in STP's are Visual Boots.



Lines are visual  
FRP w/ Boots



All soil potentials were taken  
in VDC(LSE).



# Oklahoma Corporation Commission

P.O. Box 52000 | Jim Thorpe Bldg. | Oklahoma City, OK 73152-2000 | (405) 521-4683

## AST Compliance Inspection Report

Date 10/10/2018 9:29:25 AM Type Routine

### Owner Information

Owner Name   
 Owner Address   
 City  State  Zip

### Facility Information

Location Name   
 Location Address   
 City  State  Zip   
 Facility Type  Facility #

### Tank Information

TANK #	COMPARTMENTS	INSTALLED DATE	TYPE	STATUS	SUBSTANCE	MATERIAL	CAPACITY	PIPE MATERIAL
1	2	04/02/1979	UST	CIU	Gasoline	Steel	16000	Fiberglass
2	1	08/01/1998	AST	CIU	Diesel	Steel	6000	Steel

### Tank Inventory

	UST	AST	Total
CIU	1	1	2
TOU	0	0	0
Total	1	1	2

### Facility Questions

#### Dispensing Equipment

Yes  No  N/A Approved nozzles & breakaways

#### Spill Prevention

Yes  No  N/A SPCC plan prepared, available for review & maintained on site?

Yes  No  N/A Secondary Containment (not required on double walled tank if 165:26-2-31 is met)

Yes  No  N/A Fill pipe has spill containment or is within containment dike

Yes  No  N/A Remote fill has dry break with check valve or check valve, manual shut off, & quick connect coupling

Yes  No  N/A Spill containment for loading/unloading (bulk)

#### Security

Yes  No  N/A Facility Fenced

Yes  No  N/A Tanks Fenced

Yes  No  N/A Facility lighting appear to be adequate (Spills during darkness and deter vandalism)

### Tanks

#### Unattended Service Stations

Yes  No  N/A Instructions conspicuously posted

Yes  No  N/A Emergency Shutoff accessible & visible

Yes  No  N/A Shut off located 20 to 100 feet from dispensers (NFPA 30A 6.7)

#### Impact Shear Valve

Yes  No  N/A Impact shear valve installed on pressure piping at pump & anchored (NFPA 30A 6.3.9)

#### Collision Barrier

Yes  No  N/A Complies with 165:25-2-7

#### Electrical

Yes  No  N/A Electrical service complies with NFPA 30 & 30A and NEC 70