



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Samuel Gary Jr Associates Inc

**25-10s-30w Sheridan KS**

1515 Wynkoop STE 700  
Denver CO, 80202

**Kevin Zerr 1-25**

Job Ticket: 62419

**DST#: 1**

ATTN: Clayton Camozzi

Test Start: 2015.03.12 @ 06:29:00

## GENERAL INFORMATION:

Formation: **LKC "A-C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:05:45

Time Test Ended: 16:33:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 73

**Interval: 3926.00 ft (KB) To 3999.00 ft (KB) (TVD)**

Reference Elevations: 2868.00 ft (KB)

Total Depth: 3999.00 ft (KB) (TVD)

2860.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8648**

**Inside**

Press @ Run Depth: 472.56 psig @ 3994.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.12

End Date:

2015.03.12

Last Calib.:

2015.03.12

Start Time: 06:29:05

End Time:

16:33:00

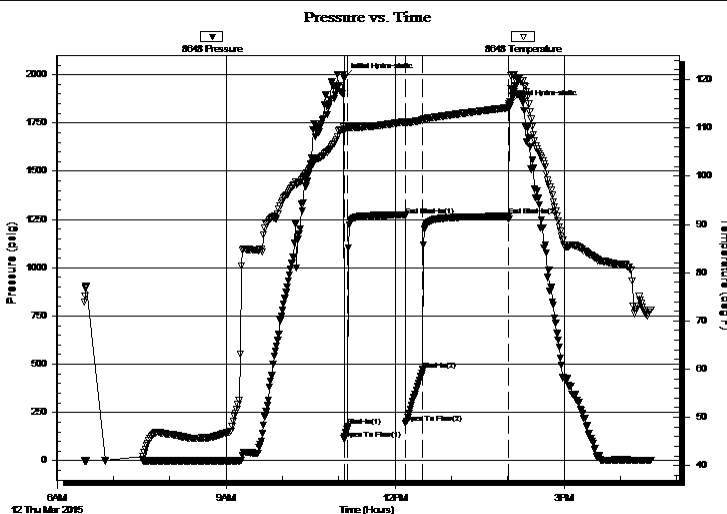
Time On Btm:

2015.03.12 @ 11:05:30

Time Off Btm:

2015.03.12 @ 14:01:30

**TEST COMMENT:** 05 - IF- B.O.B. in 2.5 minutes  
60 - IS- Surface return, died in 10 minutes.  
20 - FF- B.O.B. in 2 minutes  
90 - FS- No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1983.55	110.13	Initial Hydro-static
1	113.19	109.40	Open To Flow (1)
5	178.30	109.87	Shut-In(1)
66	1271.33	111.25	End Shut-In(1)
66	194.09	110.92	Open To Flow (2)
85	472.56	111.62	Shut-In(2)
176	1267.13	114.17	End Shut-In(2)
176	1847.33	114.56	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	WM - Oil spots, 20%W, 80%M	0.60
372.00	WM - Oil spots, 50%W, 50%M	5.22
340.00	MW, Oil spots, 10%M, 90%W	4.77

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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Time Test Ended: 16:33:00

Test Type: **Conventional Bottom Hole (Initial)**

Tester: **Cody Bloedorn**

Unit No: **73**

**Interval: 3926.00 ft (KB) To 3999.00 ft (KB) (TVD)**

Reference Elevations: **2868.00 ft (KB)**

Total Depth: **3999.00 ft (KB) (TVD)**

**2860.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **8.00 ft**

**Serial #: 8940** **Outside**

Press @ Run Depth: **psig** @ **3994.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2015.03.12**

End Date:

**2015.03.12**

Last Calib.:

**2015.03.12**

Start Time: **06:29:05**

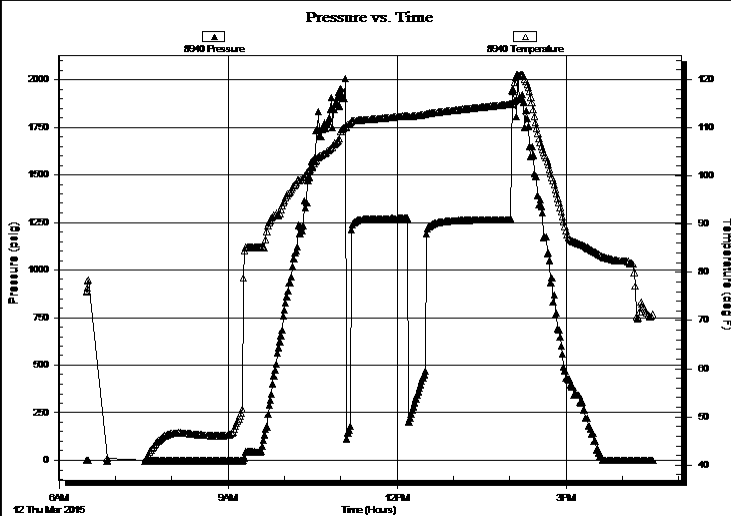
End Time:

**16:33:15**

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 05 - IF- B.O.B. in 2.5 minutes  
60 - IS- Surface return, died in 10 minutes.  
20 - FF- B.O.B. in 2 minutes  
90 - FS- No return



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
62.00	WM - Oil spots, 20%W, 80%M	0.60
372.00	WM - Oil spots, 50%W, 50%M	5.22
340.00	MW, Oil spots, 10%M, 90%W	4.77

### Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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**Kevin Zerr 1-25**

Job Ticket: 62419

**DST#: 1**

Test Start: 2015.03.12 @ 06:29:00

## GENERAL INFORMATION:

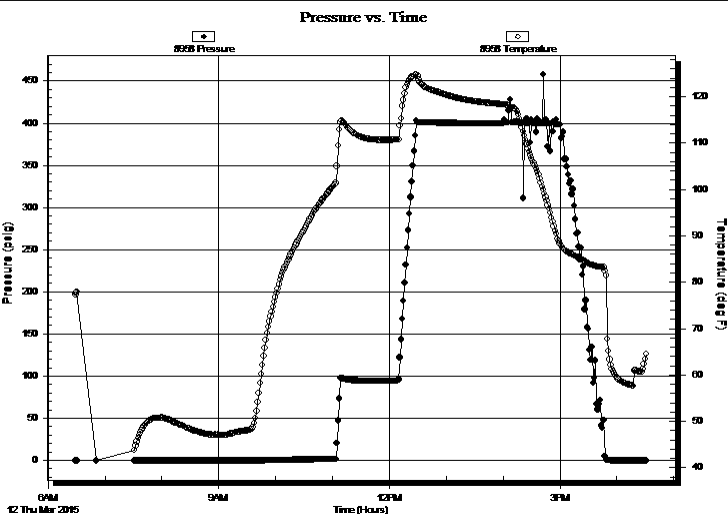
Formation: **LKC "A-C"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:05:45  
 Time Test Ended: 16:33:00  
 Interval: **3926.00 ft (KB) To 3999.00 ft (KB) (TVD)**  
 Total Depth: 3999.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Cody Bloedorn  
 Unit No: 73  
 Reference Elevations: 2868.00 ft (KB)  
 2860.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 8958

### Fluid

Press @ RunDepth: psig @ 3893.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.03.12 End Date: 2015.03.12 Last Calib.: 2015.03.12  
 Start Time: 06:29:05 End Time: 16:32:00 Time On Btm:  
 Time Off Btm:

TEST COMMENT: 05 - IF- B.O.B. in 2.5 minutes  
 60 - IS- Surface return, died in 10 minutes.  
 20 - FF- B.O.B. in 2 minutes  
 90 - FS- No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	WM - Oil spots, 20%W, 80%M	0.60
372.00	WM - Oil spots, 50%W, 50%M	5.22
340.00	MW, Oil spots, 10%M, 90%W	4.77

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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**FLUID SUMMARY**

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Job Ticket: 62419

**DST#: 1**

ATTN: Clayton Camozzi

Test Start: 2015.03.12 @ 06:29:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity: 127000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 4.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	WM - Oil spots, 20%W, 80%M	0.596
372.00	WM - Oil spots, 50%W, 50%M	5.218
340.00	MW, Oil spots, 10%M, 90%W	4.769

Total Length: 774.00 ft      Total Volume: 10.583 bbl

Num Fluid Samples: 0

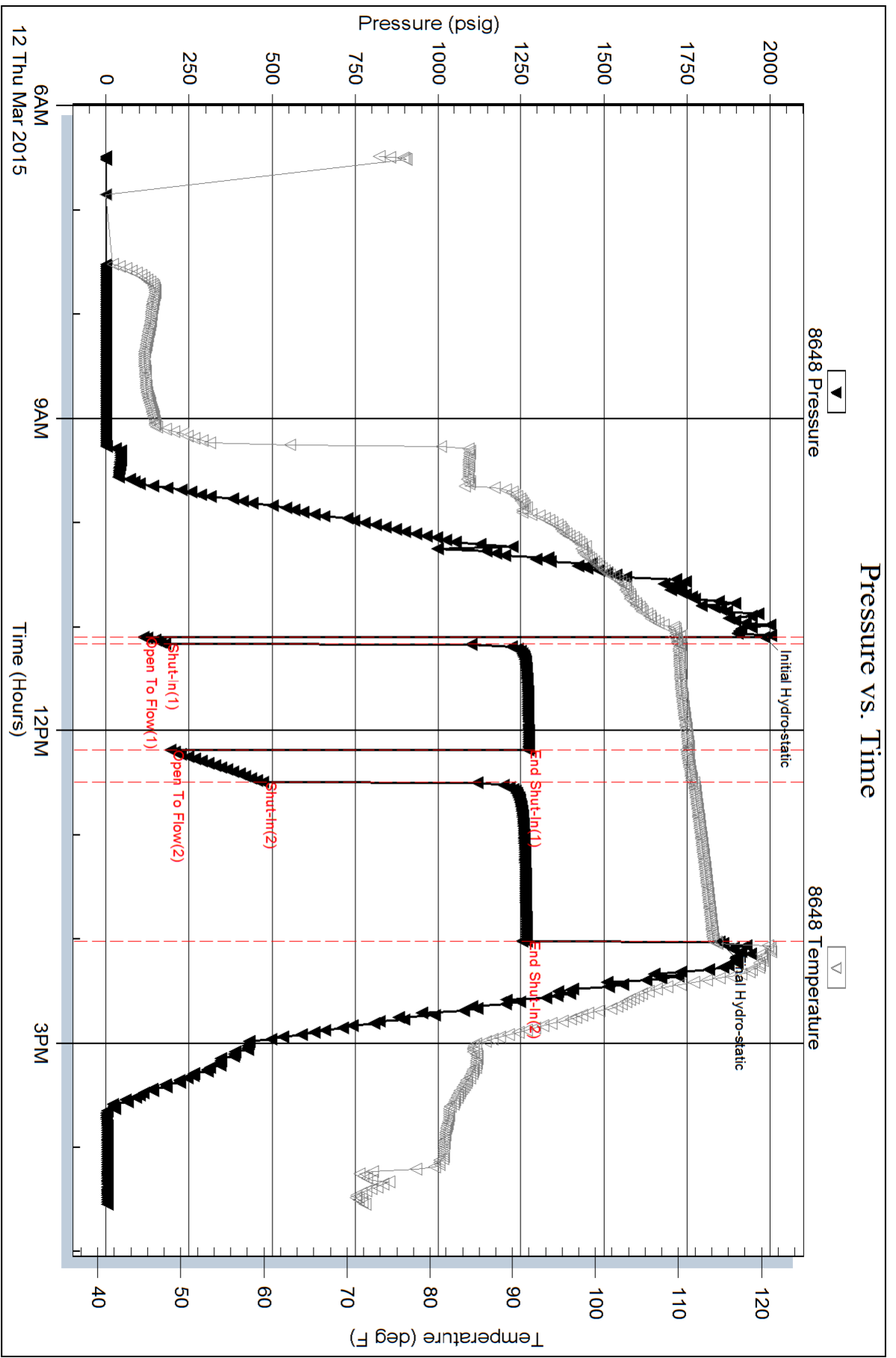
Num Gas Bombs: 0

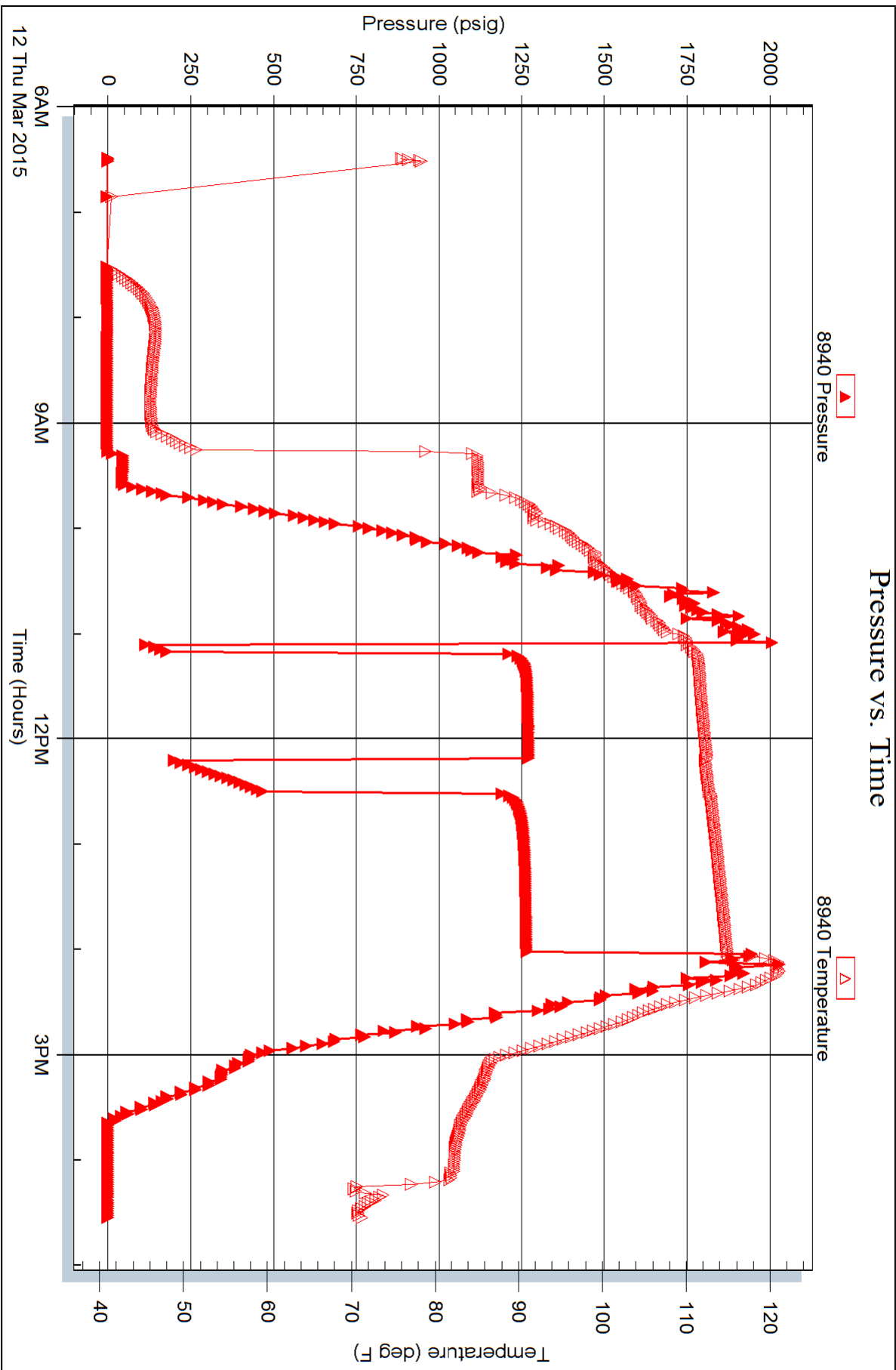
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .06 @ 75 Degrees = 127000 = Salinity.





Serial #: 8958

Fluid

Samuel Gary Jr Associates Inc

Kevin Zerr 1-25

DST Test Number: 1

