



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Red Oak Energy
7701 E Kellogg Dr Ste 710
Wichita, Ks
67207-1738
ATTN: Sean Deenihan

7-17-34w Scott, Ks
Wilkens #1-7
Job Ticket: 61492 **DST#: 5**
Test Start: 2015.06.12 @ 13:07:30

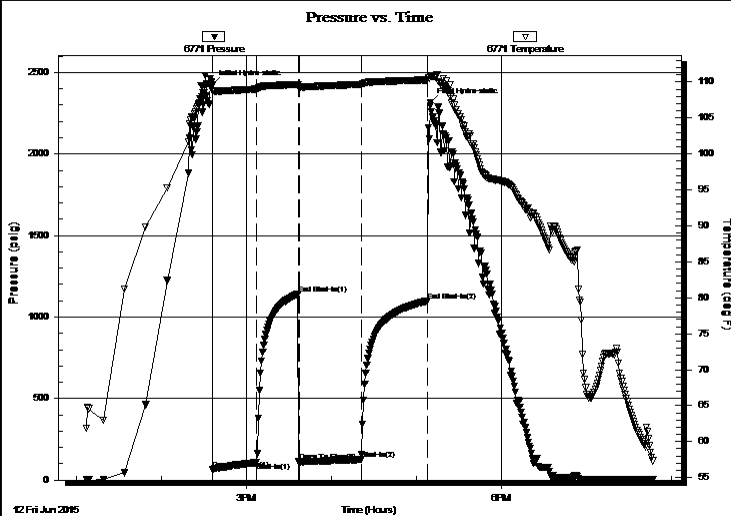
GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 14:36:30
Time Test Ended: 20:00:00
Interval: **4462.00 ft (KB) To 4540.00 ft (KB) (TVD)**
Total Depth: 4936.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Straddle (Reset)
Tester: Shane McBride
Unit No: 84
Reference Elevations: 3163.00 ft (KB)
3158.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6771 Outside

Press @ Run Depth: 126.69 psig @ 4463.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.06.12 End Date: 2015.06.12 Last Calib.: 2015.06.12
Start Time: 13:07:30 End Time: 19:47:00 Time On Btm: 2015.06.12 @ 14:36:15
Time Off Btm: 2015.06.12 @ 17:10:00

TEST COMMENT: 2 3/4" in blow
No return
1 3/4" in blow
No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2427.82	109.59	Initial Hydro-static
1	64.40	108.74	Open To Flow (1)
32	108.47	109.02	Shut-In(1)
61	1142.73	109.67	End Shut-In(1)
62	112.91	109.33	Open To Flow (2)
105	126.69	109.67	Shut-In(2)
152	1100.21	110.29	End Shut-In(2)
154	2315.57	110.75	Final Hydro-static

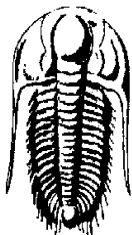
Recovery

Length (ft)	Description	Volume (bbl)
120.00	m c w w/oil spots 40m 60w	0.59
45.00	w c m w/oil scum 30w 70m	0.63

Gas Rates

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

* Recovery from multiple tests



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Wilkens #1-7

Job Ticket: 61492 **DST#: 5**
Test Start: 2015.06.12 @ 13:07:30

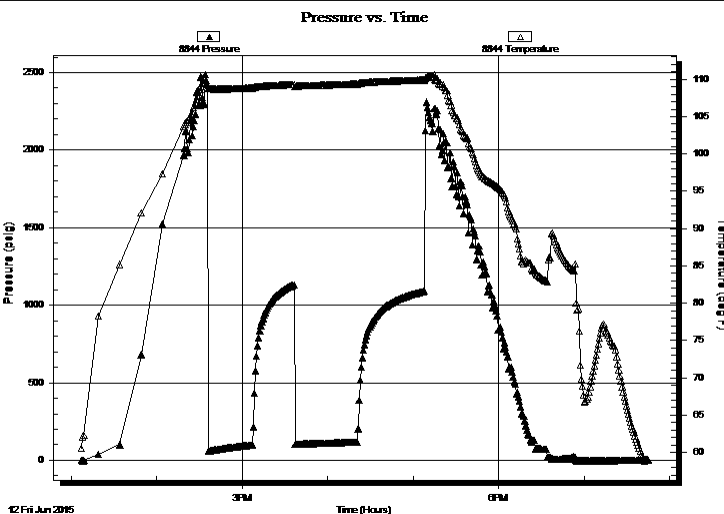
GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 14:36:30
Time Test Ended: 20:00:00
Interval: **4462.00 ft (KB) To 4540.00 ft (KB) (TVD)**
Total Depth: 4936.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 3163.00 ft (KB)
3158.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8844 Inside

Press @ Run Depth: psig @ 4463.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.06.12 End Date: 2015.06.12 Last Calib.: 2015.06.12
Start Time: 13:07:15 End Time: 19:44:45 Time On Btm:
Time Off Btm:

TEST COMMENT: 2 3/4" in blow
No return
1 3/4" in blow
No return



PRESSURE SUMMARY

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

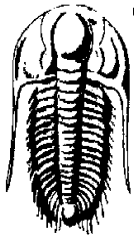
Recovery

Length (ft)	Description	Volume (bbl)
120.00	mc w w/oil spots 40m 60w	0.59
45.00	w c m w/oil scum 30w 70m	0.63

Gas Rates

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

* Recovery from multiple tests



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Wilkens #1-7
Job Ticket: 61492 **DST#: 5**
Test Start: 2015.06.12 @ 13:07:30

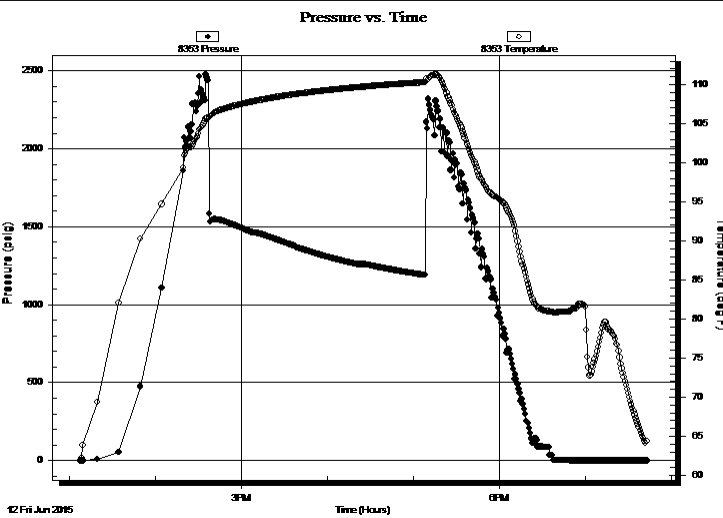
GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 14:36:30
Time Test Ended: 20:00:00
Interval: **4462.00 ft (KB) To 4540.00 ft (KB) (TVD)**
Total Depth: 4936.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Straddle (Reset)
Tester: Shane McBride
Unit No: 84
Reference Elevations: 3163.00 ft (KB)
3158.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8353 Outside

Press @ Run Depth: psig @ 4552.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.06.12 End Date: 2015.06.12 Last Calib.: 2015.06.12
Start Time: 13:07:53 End Time: 19:43:08 Time On Btm:
Time Off Btm:

TEST COMMENT: 2 3/4" in blow
No return
1 3/4" in blow
No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	m c w w/oil spots 40m 60w	0.59
45.00	w c m w/oil scum 30w 70m	0.63

Gas Rates

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy
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Wichita, Ks
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ATTN: Sean Deenihan

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Wilkens #1-7
Job Ticket: 61492 **DST#: 5**
Test Start: 2015.06.12 @ 13:07:30

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 31000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.18 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 5600.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	m c w /oil spots 40m 60w	0.590
45.00	w c m w /oil scum 30w 70m	0.631

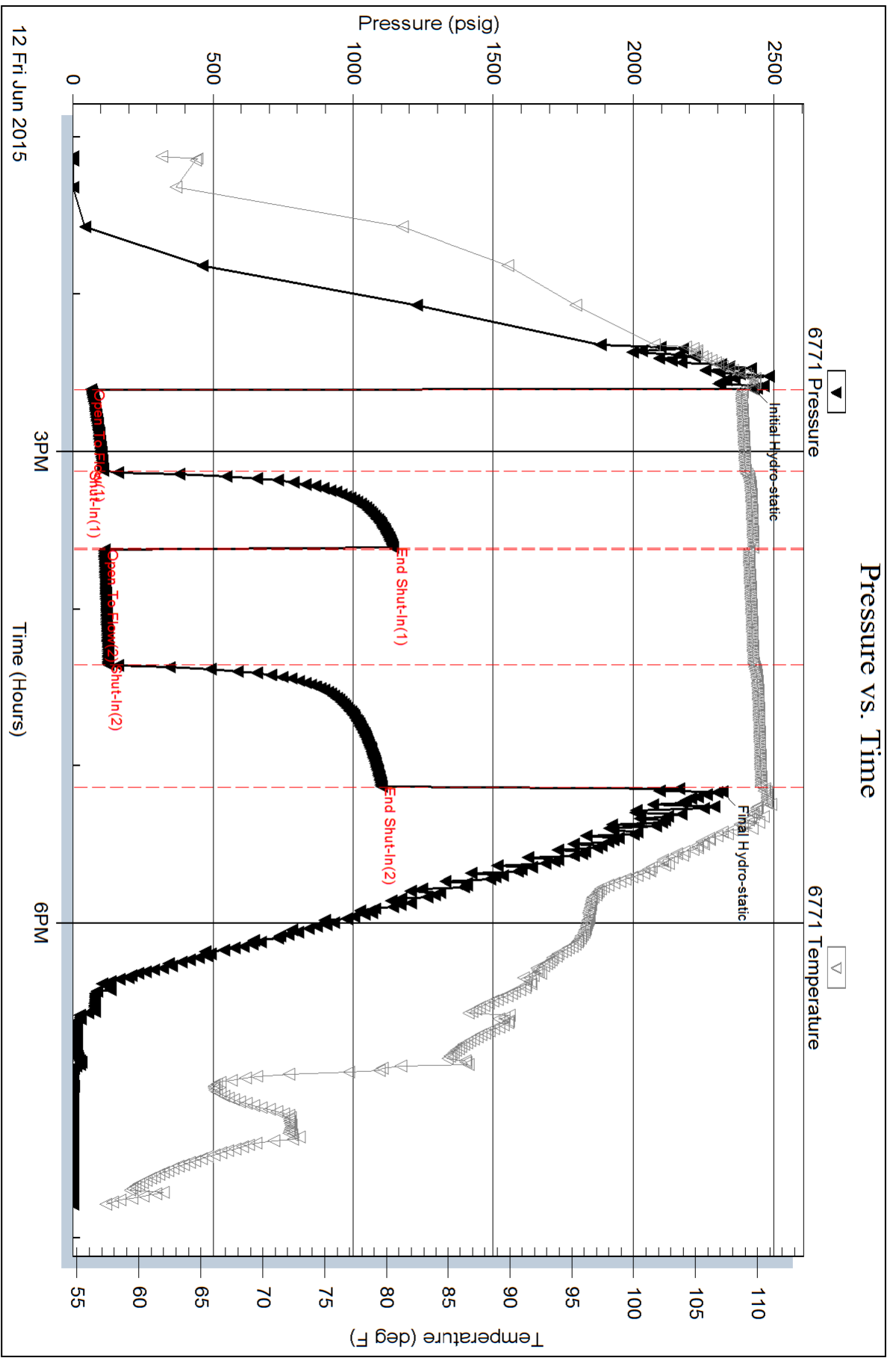
Total Length: 165.00 ft Total Volume: 1.221 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: rw .237 @ 65*f= 31,000 chlor

Serial #: 6771

Outside Red Oak Energy

Wilkins #1-7

DST Test Number: 5



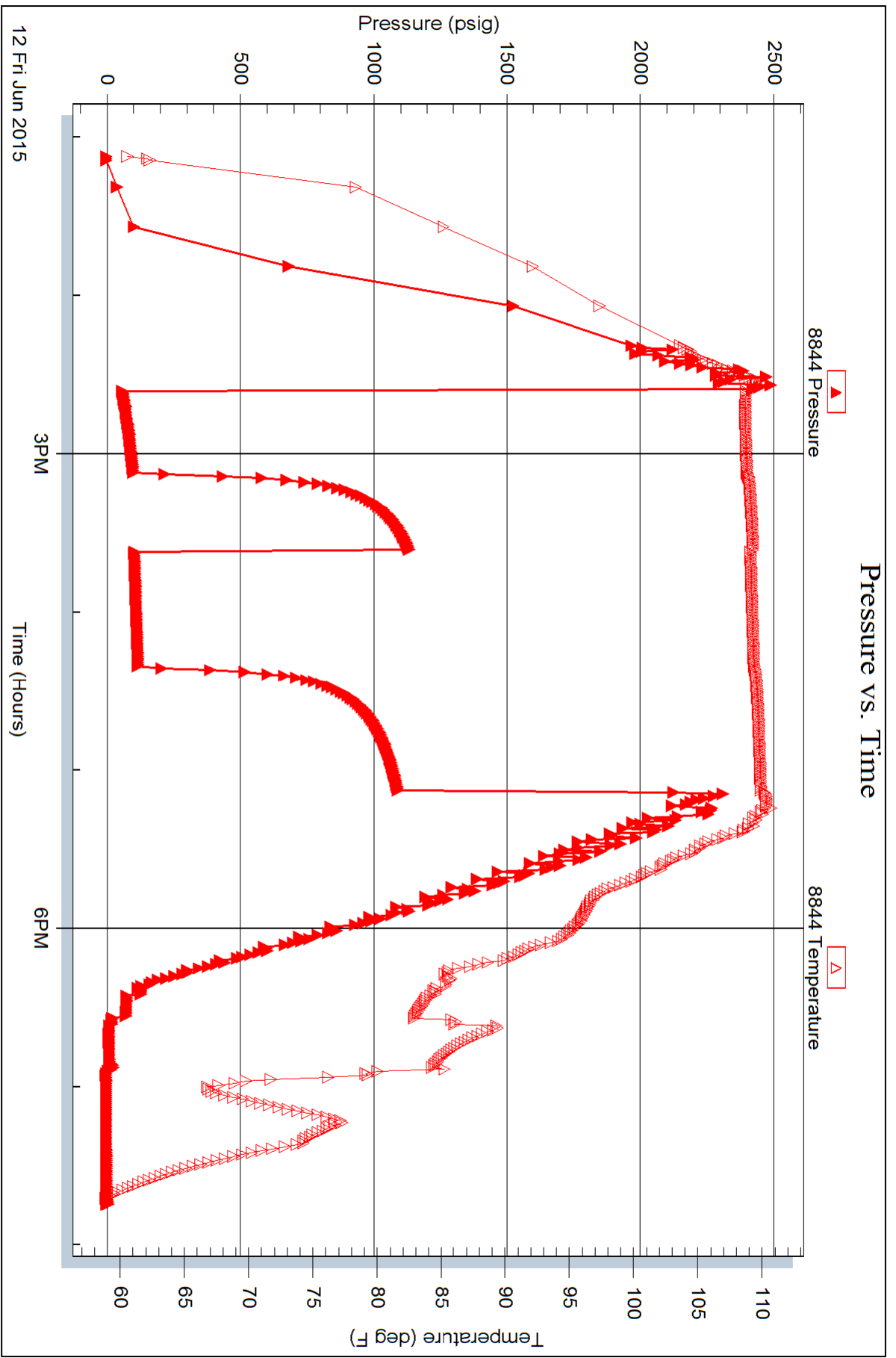
Serial #: 8844

Inside

Red Oak Energy

Wilkins #1-7

DST Test Number: 5



Serial #: 8353

Outside Red Oak Energy

Wilkens #1-7

DST Test Number: 5

