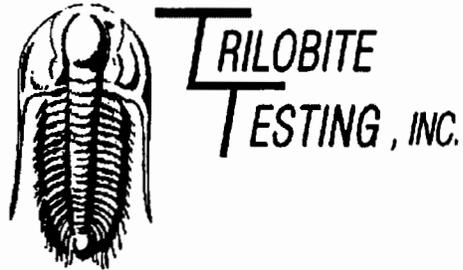


15-007-22895

6-32s-11w



## DRILL STEM TEST REPORT

Prepared For: **Kenneth S.White**

2400 NWoodlawn Ste115  
Wichita KS 67220

ATTN: Chris Peters

**6-32s-11w Barber Ks**

**Swayden #2**

Start Date: 2005.05.28 @ 02:40:05

End Date: 2005.05.28 @ 09:31:35

Job Ticket #: 21703                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Kenneth S.White

Swayden #2

6-32s-11w Barber Ks

DST # 1

Elgin SD.

2005.05.28



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Kenneth S. White  
2400 N Woodlawn Ste 115  
Wichita KS 67220  
ATTN: Chris Peters

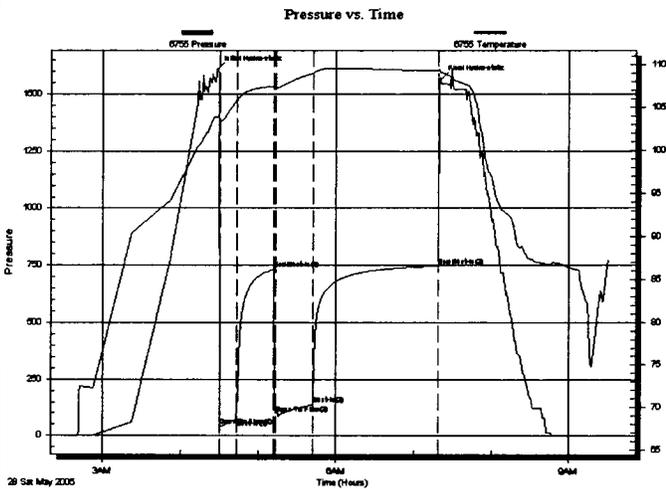
**Swayden #2**  
**6-32s-11w Barber Ks**  
Job Ticket: 21703      DST#: 1  
Test Start: 2005.05.28 @ 02:40:05

### GENERAL INFORMATION:

Formation: **Elgin Sd.**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 04:30:35  
Time Test Ended: 09:31:35  
Interval: **3368.00 ft (KB) To 3378.00 ft (KB) (TVD)**  
Total Depth: **3378.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: Poor  
Test Type: Conventional Bottom Hole  
Tester: Gary Feveteaux  
Unit No: 23  
Reference Elevations: 1522.00 ft (KB)  
1517.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 6755**      Inside  
Press@RunDepth: 139.87 psig @ 3369.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2005.05.28      End Date: 2005.05.28      Last Calib.: 2005.05.28  
Start Time: 02:40:10      End Time: 09:31:34      Time On Btm: 2005.05.28 @ 04:28:20  
Time Off Btm: 2005.05.28 @ 07:20:50

TEST COMMENT: F: Strong blow . B.O.B. in 15 secs.  
IS: No blow .  
FF: Strong blow . B.O.B. in 15 secs.  
FS: No blow .



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1608.63	103.93	Initial Hydro-static
3	44.64	103.43	Open To Flow (1)
15	74.21	105.77	Shut-In(1)
44	732.39	107.50	End Shut-In(1)
45	99.75	107.30	Open To Flow (2)
74	139.87	109.07	Shut-In(2)
171	747.36	109.37	End Shut-In(2)
173	1566.47	109.15	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
250.00	SW Rw .055 ohms @ 80 deg.	2.14
30.00	WM 25w 75% m	0.42
0.00	1400 ft. of GIP	0.00

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Kenneth S.White  
2400 NWoodlaw n Ste115  
Wichita KS 67220  
ATTN: Chris Peters

**Swayden #2**  
**6-32s-11w Barber Ks**  
Job Ticket: 21703      **DST#: 1**  
Test Start: 2005.05.28 @ 02:40:05

**Tool Information**

Drill Pipe:	Length: 3229.00 ft	Diameter: 3.80 inches	Volume: 45.29 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 150.00 ft	Diameter: 2.25 inches	Volume: 0.74 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 46.03 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3368.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	30.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

**Tool Description**

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3349.00	
Shut In Tool	5.00			3354.00	
Hydraulic tool	5.00			3359.00	
Packer	4.00			3363.00	20.00 Bottom Of Top Packer
Packer	5.00			3368.00	
Stubb	1.00			3369.00	
Recorder	0.00	6755	Inside	3369.00	
Perforations	4.00			3373.00	
Recorder	0.00	13222	Outside	3373.00	
Bullnose	5.00			3378.00	10.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>30.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Kenneth S.White

**Swayden #2**

2400 NWoodlaw n Ste115  
Wchita KS 67220

**6-32s-11w Barber Ks**

Job Ticket: 21703

**DST#: 1**

ATTN: Chris Peters

Test Start: 2005.05.28 @ 02:40:05

## 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: 139000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
250.00	SW Rw .055 ohms @ 80 deg.	2.140
30.00	WM25w 75% <i>m</i>	0.421
0.00	1400 ft. of GIP	0.000

Total Length: 280.00 ft

Total Volume: 2.561 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6755

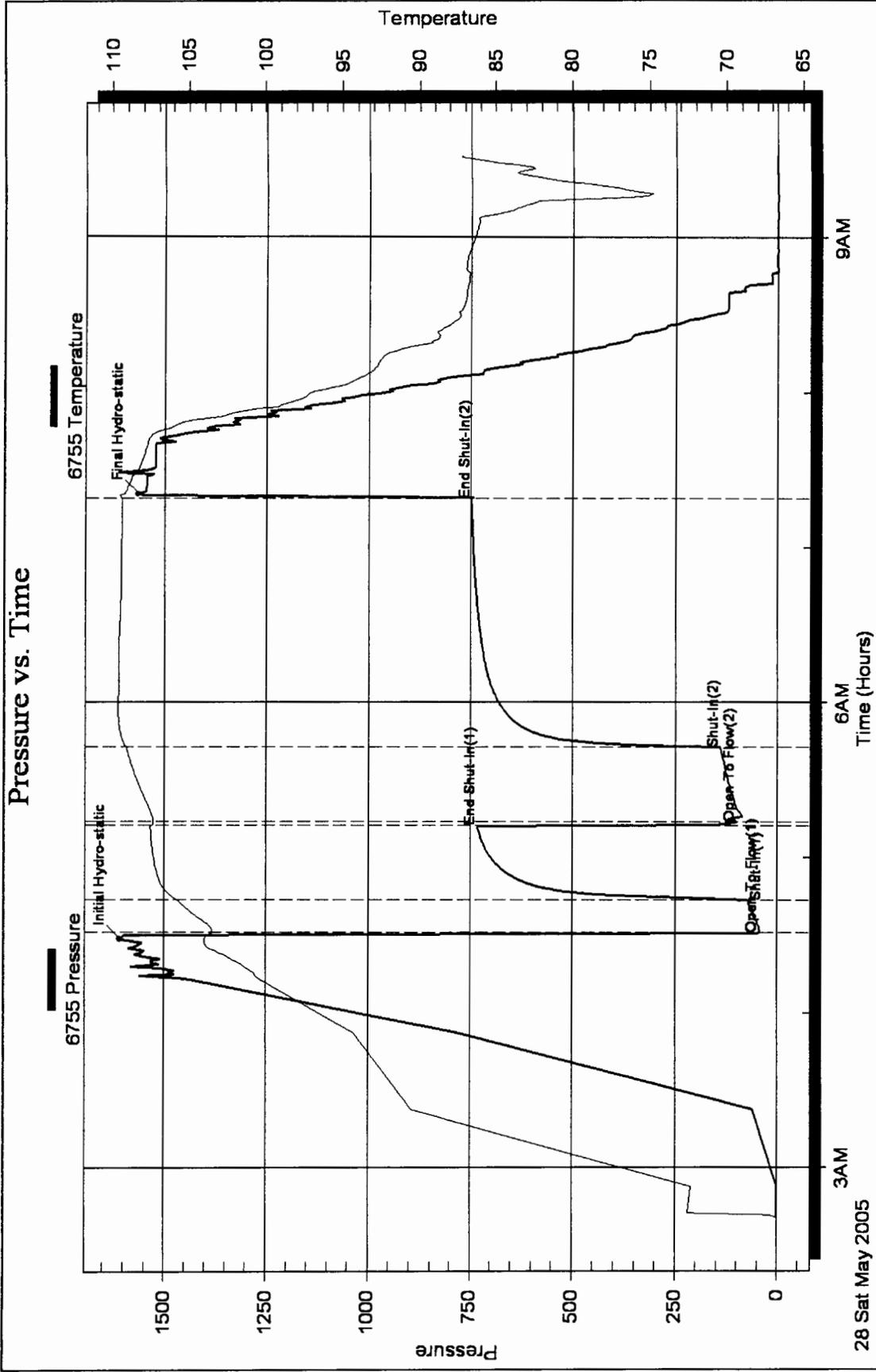
Inside

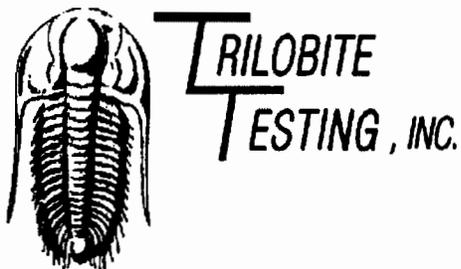
Kenneth S. White

6-32s-11w Barber Ks

DST Test Number: 1

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Kenneth S.White**

2400 NWoodlawn Ste115  
Wichita KS 67220

ATTN: Chris Peters

**6-32s-11w Barber Ks**

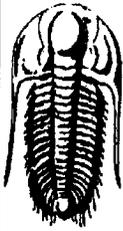
**Swayden #2**

Start Date: 2005.05.30 @ 12:35:57

End Date: 2005.05.30 @ 22:41:57

Job Ticket #: 21704                      DST #: 2

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Kenneth S. White  
2400 N Woodlawn Ste 115  
Wichita KS 67220  
ATTN: Chris Peters

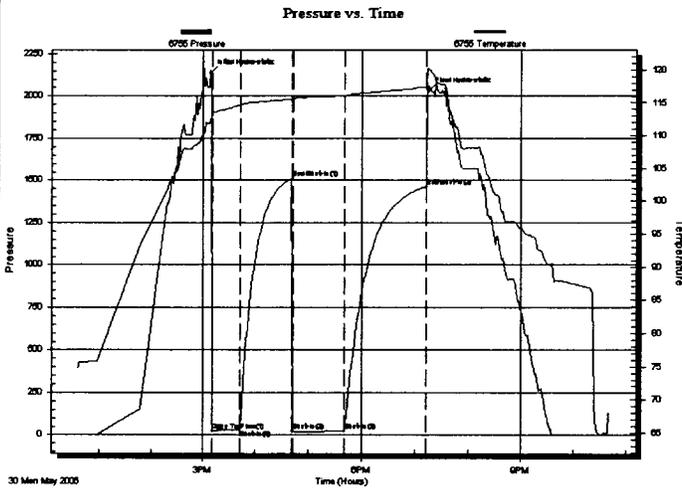
**Swayden #2**  
**6-32s-11w Barber Ks**  
Job Ticket: 21704      DST#: 2  
Test Start: 2005.05.30 @ 12:35:57

## GENERAL INFORMATION:

Formation: **Miss.**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 15:10:57  
Time Test Ended: 22:41:57  
Interval: **4267.00 ft (KB) To 4303.00 ft (KB) (TVD)**  
Total Depth: **4303.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Poor**  
Test Type: **Conventional Bottom Hole**  
Tester: **Gary Feveteaux**  
Unit No: **23**  
Reference Elevations: **1522.00 ft (KB)**  
**1517.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

**Serial #: 6755      Inside**  
Press@RunDepth: **29.49 psig @ 4268.00 ft (KB)**      Capacity: **7000.00 psig**  
Start Date: **2005.05.30**      End Date: **2005.05.30**      Last Calib.: **2005.05.30**  
Start Time: **12:36:02**      End Time: **22:41:57**      Time On Btm: **2005.05.30 @ 15:08:57**  
**Time Off Btm: 2005.05.30 @ 19:14:42**

**TEST COMMENT:** F: Strong blow . B.O.B. in 10 secs.  
IS: No blow .  
FF: Strong blow . GTS in 2 mins. (see gas volume report)  
FS: No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2137.09	112.68	Initial Hydro-static
2	26.97	113.39	Open To Flow (1)
34	29.49	114.65	Shut-In(1)
93	1511.60	115.56	End Shut-In(1)
94	25.52	115.50	Shut-In(2)
152	27.33	116.07	Shut-In(3)
244	1463.68	117.38	End Shut-In(2)
246	2029.62	120.29	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	Mud w/a trace of oil	0.20

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	4.00	29.19
Last Gas Rate	0.25	1.00	24.43
Max. Gas Rate	0.25	4.00	29.19



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Kenneth S. White  
2400 N Woodlawn Ste 115  
Wichita KS 67220  
ATTN: Chris Peters

**Swayden #2**  
**6-32s-11w Barber Ks**  
Job Ticket: 21704      **DST#: 2**  
Test Start: 2005.05.30 @ 12:35:57

### Tool Information

Drill Pipe:	Length: 4056.00 ft	Diameter: 3.80 inches	Volume: 56.90 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 57.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4267.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4248.00	
Shut In Tool	5.00			4253.00	
Hydraulic tool	5.00			4258.00	
Packer	4.00			4262.00	20.00      Bottom Of Top Packer
Packer	5.00			4267.00	
Stubb	1.00			4268.00	
Recorder	0.00	6755	Inside	4268.00	
Perforations	30.00			4298.00	
Recorder	0.00	13222	Outside	4298.00	
Bullnose	5.00			4303.00	36.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>56.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Kenneth S.White  
2400 NWoodlaw n Ste115  
Wichita KS 67220  
ATTN: Chris Peters

**Swayden #2**  
**6-32s-11w Barber Ks**  
Job Ticket: 21704      **DST#: 2**  
Test Start: 2005.05.30 @ 12:35:57

**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:	5000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.39 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.20 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
40.00	Mud w/a trace of oil	0.197

Total Length: 40.00 ft      Total Volume: 0.197 bbl

Num Fluid Samples: 0      Num Gas Bombs: 1      Serial #: gp-2

Laboratory Name: Caraway      Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Kenneth S.White  
2400 N Woodlawn Ste 115  
Wichita KS 67220

**Swayden #2**

**6-32s-11w Barber Ks**

Job Ticket: 21704

**DST#: 2**

ATTN: Chris Peters

Test Start: 2005.05.30 @ 12:35:57

### Gas Rates Information

Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
2	10	0.25	4.00	29.19
2	20	0.25	3.00	27.60
2	30	0.25	2.00	26.02
2	40	0.25	1.00	24.43
2	60	0.25	1.00	24.43

Serial #: 6755

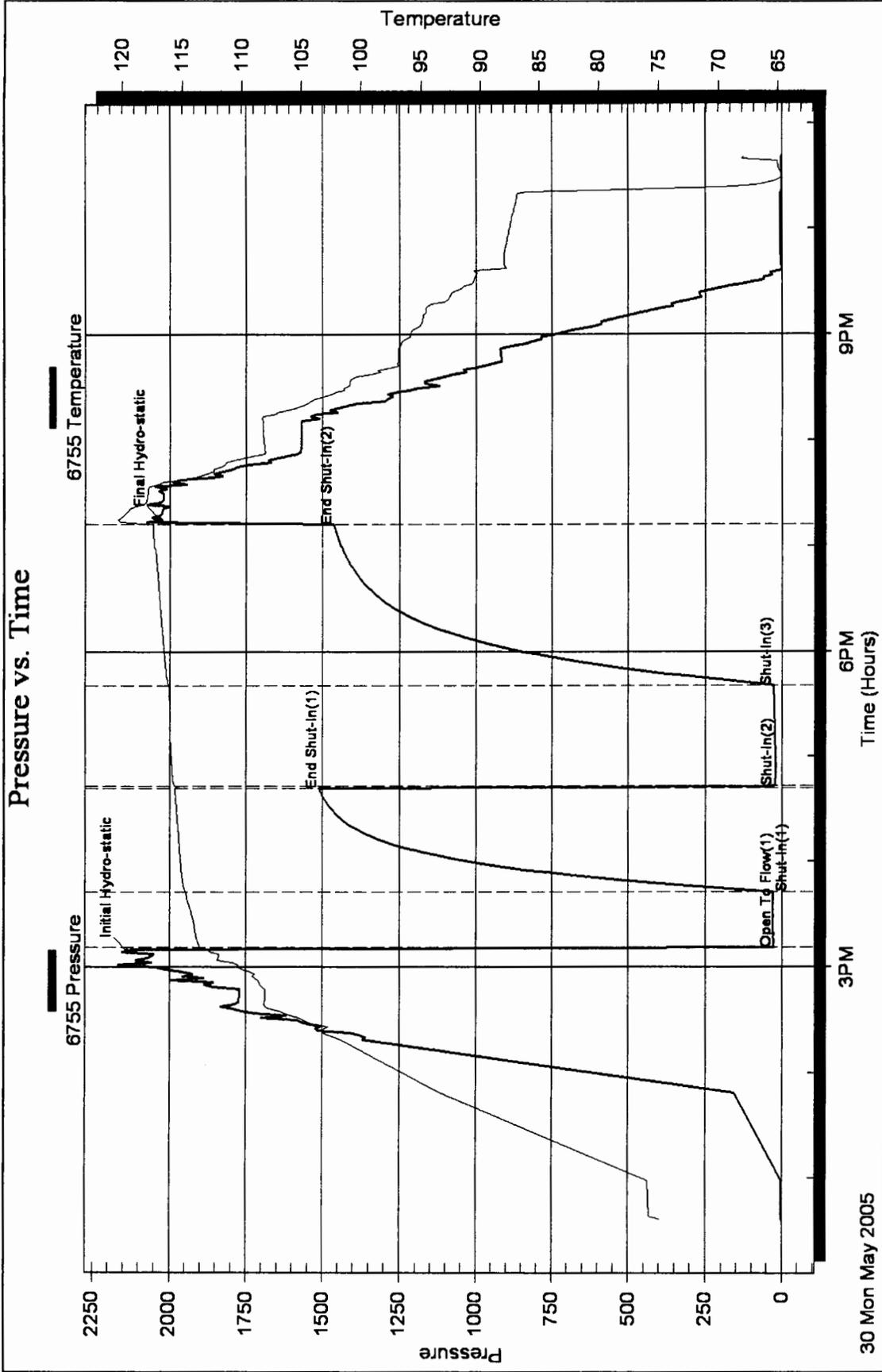
Inside

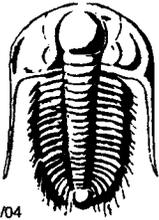
Kenneth S. White

6-32s-11w Barber Ks

DST Test Number: 2

### Pressure vs. Time





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV  
7532

No 21703

## Test Ticket

Well Name & No. Swayden #2 Test No. 1 Date 5-28-05  
 Company Kenneth S. White Zone Tested Elgin Sh.  
 Address 2400 N. Woodlawn, Ste 115, Wichita Ks 67220 Elevation 1522 KB 1517 GL  
 Co. Rep / Geo. Chris Peters Cont. Packerell Dely. #1 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 6 Twp. 32<sup>s</sup> Rge. 11<sup>w</sup> Co. Barber State Ks.  
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 3368 - 3378' Initial Str Wt./Lbs. 52,000 Unseated Str Wt/Lbs. 53,000  
 Anchor Length 10' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 60,000  
 Top Packer Depth 3363' Tool Weight 2100<sup>TT</sup>  
 Bottom Packer Depth 3368' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 3378' Wt. Pipe Run None Drill Collar Run 150'  
 Mud Wt. 9.0 LCM - Vis. 46 WL 9.6cc Drill Pipe Size 4 1/2" Ft. Run 3289'  
 Blow Description FF: strong blow B.O.B. in 15 sec. ISI: No blow

FF: strong blow. B.O.B. in 15 sec. FSI: No blow

Recovery - Total Feet 280 GIP 1400 Ft. in DC 150 Ft. in DP 130  
 Rec. 30 Feet of WM %gas \_\_\_\_\_ %oil 25 %water 75 %mud \_\_\_\_\_  
 Rec. 250 Feet of SW. %gas \_\_\_\_\_ %oil 100 %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 109 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 0.55 @ 80 °F Chlorides 139,000 ppm Recovery ~ Chlorides 2,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1609</u> PSI	<u>6255</u>	<u>✓ 950</u>
(B) First Initial Flow Pressure		<u>45</u> PSI	(depth) <u>3369'</u>	Jars _____
(C) First Final Flow Pressure		<u>74</u> PSI	Recorder No. <u>13222</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>732</u> PSI	(depth) <u>3373'</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>100</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>140</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>747</u> PSI	Initial Opening <u>12</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1566</u> PSI	Initial Shut-In <u>30</u>	Shale Packer <u>✓ 150</u>

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

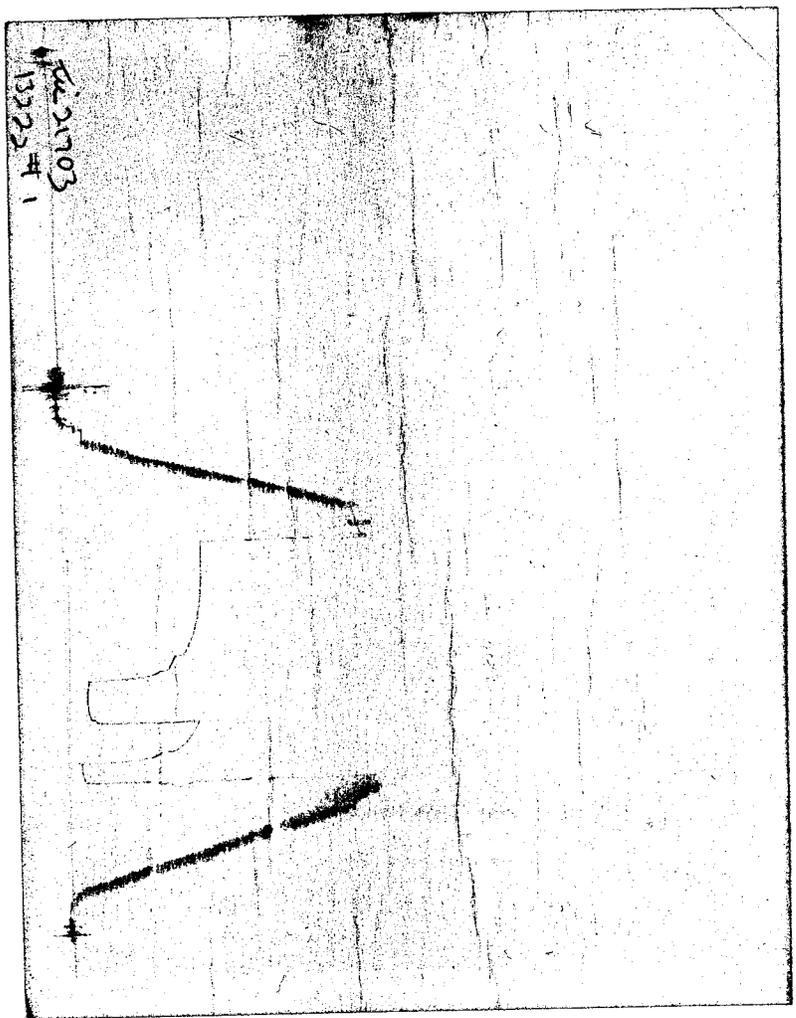
Approved By [Signature]

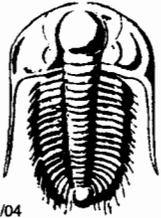
Our Representative Cary Pivotaux

Final Flow	<u>30</u>	Ruined Packer	_____
Final Shut-In	<u>90</u>	Mileage	<u>✓ 70</u>
T-On Location	<u>0210</u>	Sub Total:	<u>1170<sup>00</sup></u>
T-Started	<u>0240</u>	Std. By	_____
T-Open	<u>0430</u>	Other	_____
T-Pulled	<u>0725</u>	Total:	<u>1170<sup>00</sup></u>
T-Out	<u>0931</u>		

**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21704

## Test Ticket

Well Name & No. Kenneth S. White / Swaydent #2 Test No. 2 Date 5-30-05  
 Company Kenneth S. White Zone Tested Miss.  
 Address 2400 N. Woodlawn, Ste 115, Wichita, KS 67220 Elevation 1522 KB 1517 GL  
 Co. Rep / Geo. Chris Peters Cont. Pickrell Drilling #1 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 6 Twp. 32S Rge. 11W Co. Barber State KS.  
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4267 - 4303' Initial Str Wt./Lbs. 60,000 Unseated Str Wt/Lbs. 61,000  
 Anchor Length 36' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 70,000  
 Top Packer Depth 4262' Tool Weight 2100 II  
 Bottom Packer Depth 4267' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 4303' Wt. Pipe Run None Drill Collar Run 210'  
 Mud Wt. 9.4 LCM — Vis. 49 WL 10.4cc Drill Pipe Size 4 1/2" Ft. Run 4056  
 Blow Description IF: Strong below. B.O.B. in 10 secs. ISI, N, below.

FF: Strong below. GTS. in 2 mins. (see gas volume report)  
FSI: No below.

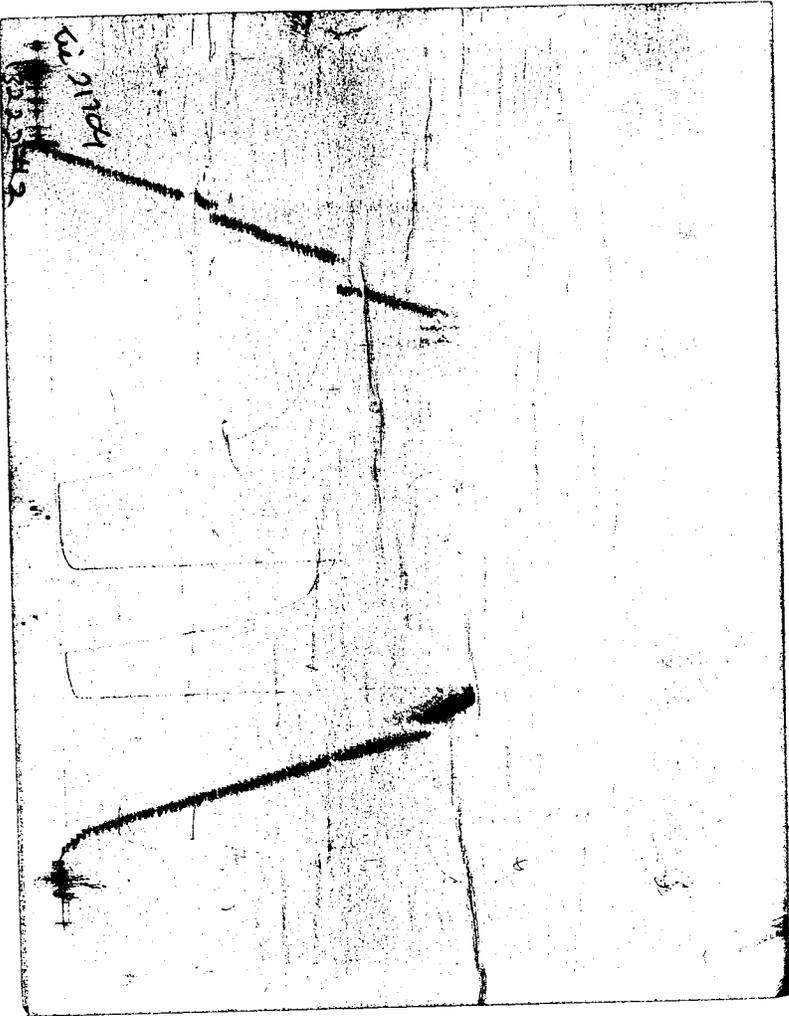
Recovery - Total Feet 40 GIP yes Ft. in DC 40 Ft. in DP —  
 Rec. 40 Feet of Mud w/a trace of oil %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 117 °F Gravity N/A °API D @ \_\_\_\_\_ °F Corrected Gravity N/A °API \_\_\_\_\_  
 RW N.C. @ \_\_\_\_\_ °F Chlorides 5,000 ppm Recovery \_\_\_\_\_ Chlorides 5,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2137</u> PSI	<u>6755</u>	<u>✓ 1050</u>
(B) First Initial Flow Pressure		<u>27</u> PSI	<u>4268'</u>	Jars _____
(C) First Final Flow Pressure		<u>29</u> PSI	<u>13222</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>1512</u> PSI	<u>4298'</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>26</u> PSI	<u>—</u>	Sampler _____
(F) Second Final Flow Pressure		<u>27</u> PSI	<u>—</u>	Straddle _____
(G) Final Shut-In Pressure		<u>1464</u> PSI	<u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>2030</u> PSI	<u>60</u>	Shale Packer _____
			<u>60</u>	Ruined Packer _____
			<u>90</u>	Mileage <u>✓ 70</u>
			<u>1230</u>	Sub Total: <u>1120</u>
			<u>1235</u>	Std. By <u>✓ 30</u>
			<u>1510</u>	Other _____
			<u>1921</u>	Total: <u>1150<sup>00</sup></u>
			<u>2242</u>	

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [Signature]  
 Our Representative [Signature]





**CHART PAGE**  
This is a photocopy of the actual AK-1 recorder chart.