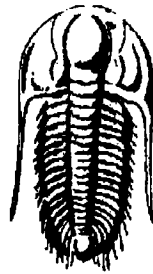


15-167-23304

20-12s-14w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Bx 352
Russell Ks 67665

ATTN: Rod Tremblay

20-12s-14w-Russell

Taylor A#1

Start Date: 2005.10.17 @ 04:40:23

End Date: 2005.10.17 @ 10:42:23

Job Ticket #: 23696 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer

Taylor A#1

20-12s-14w-Russell

DST # 1

Lansing

2005.10.17



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer

Taylor A#1

PO Bx 352
Russell Ks 67665

20-12s-14w-Russell

Job Ticket: 23696

DST#: 1

ATTN: Rod Tremblay

Test Start: 2005.10.17 @ 04:40:23

GENERAL INFORMATION:

Formation: **Lansing**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 06:11:53

Time Test Ended: 10:42:23

Test Type: **Conventional Bottom Hole**

Tester: **JOE**

Unit No: **13**

Interval: **2794.00 ft (KB) To 2825.00 ft (KB) (TVD)**

Total Depth: **2825.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **1613.00 ft (KB)**

1605.00 ft (CF)

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

Serial #: 6799

Inside

Press@RunDepth: **52.42 psig @ 2795.00 ft (KB)**

Start Date: **2005.10.17**

End Date:

2005.10.17

Capacity: **7000.00 psig**

Last Calib.: **2005.10.17**

Start Time: **04:40:24**

End Time:

10:42:23

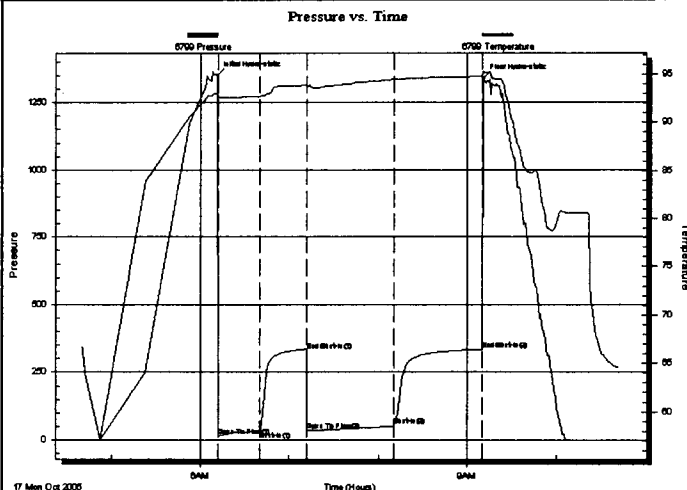
Time On Btm: **2005.10.17 @ 06:11:23**

Time Off Btm: **2005.10.17 @ 09:10:38**

TEST COMMENT: F-Weak Blow Built to 3" in
FF-Weak surface Blow built to 1" in

ISI- No Blow back

FSI- No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1349.52	93.00	Initial Hydro-static
1	13.66	92.67	Open To Flow (1)
30	32.88	92.76	Shut-In(1)
61	328.90	93.86	End Shut-In(1)
61	33.76	93.80	Open To Flow (2)
120	52.42	94.46	Shut-In(2)
179	334.20	94.77	End Shut-In(2)
180	1338.36	95.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
57.00	MM30%M70%w	0.51
20.00	DM100%	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

Taylor A#1

PO Bx 352
Russell Ks 67665

20-12s-14w-Russell

Job Ticket: 23696

DST#: 1

ATTN: Rod Tremblay

Test Start: 2005.10.17 @ 04:40:23

Tool Information

Drill Pipe:	Length: 2755.00 ft	Diameter: 3.80 inches	Volume: 38.65 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.25 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 40000.00 lb
		Total Volume:	- bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	2794.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			2779.00	
Hydraulic tool	5.00			2784.00	
Packer	5.00			2789.00	20.00 Bottom Of Top Packer
Packer	5.00			2794.00	
Stubb	1.00			2795.00	
Recorder	0.00	6799	Inside	2795.00	
Perforations	27.00			2822.00	
Recorder	0.00	13760	Inside	2822.00	
Bullnose	3.00			2825.00	31.00 Bottom Packers & Anchor
Total Tool Length:	51.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

Taylor A#1

PO Bx 352
Russell Ks 67665

20-12s-14w-Russell

Job Ticket: 23696

DST#: 1

ATTN: Rod Tremblay

Test Start: 2005.10.17 @ 04:40:23

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:

27000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
57.00	MW30%M70%w	0.508
20.00	DM100%	0.281

Total Length: 77.00 ft

Total Volume: 0.789 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6799

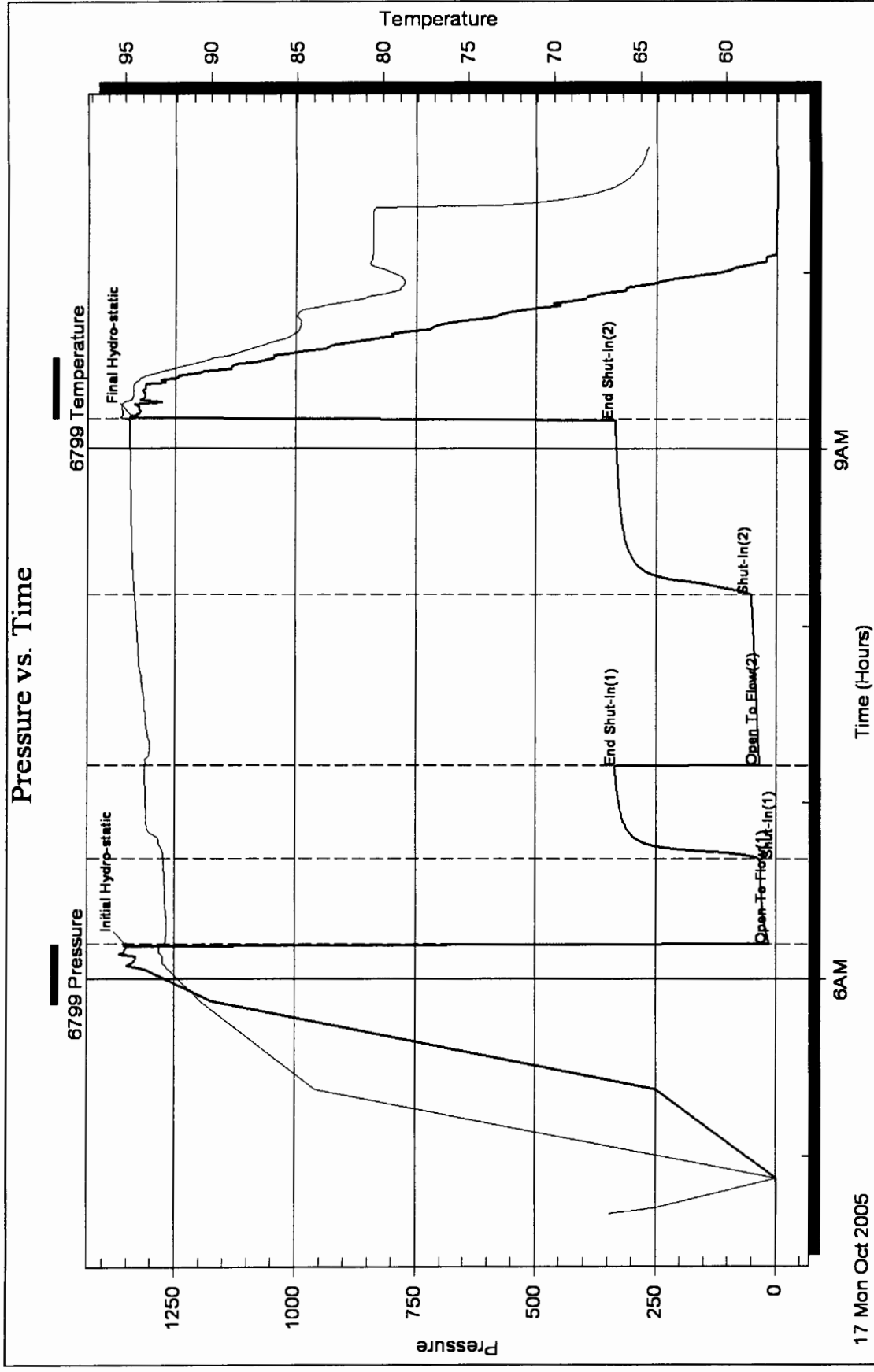
Inside

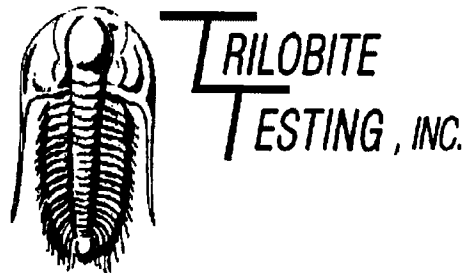
John O Farmer

20-12s-14w -Russell

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Bx 352
Russell Ks 67665

ATTN: Rod Tremblay

20-12s-14w-Russell

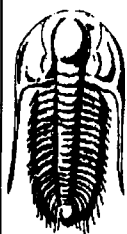
Taylor A#1

Start Date: 2005.10.17 @ 16:42:44

End Date: 2005.10.17 @ 21:23:29

Job Ticket #: 23697 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

John O Farmer

Taylor A#1

PO Bx 352
Russell Ks 67665

20-12s-14w-Russell

Job Ticket: 23697

DST#: 2

ATTN: Rod Tremblay

Test Start: 2005.10.17 @ 16:42:44

GENERAL INFORMATION:

Formation: **Lansing**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 18:04:44

Time Test Ended: 21:23:29

Test Type: **Conventional Bottom Hole**

Tester: **JOE**

Unit No: **13**

Interval: **2826.00 ft (KB) To 2843.00 ft (KB) (TVD)**

Reference Elevations: **1613.00 ft (KB)**

Total Depth: **2825.00 ft (KB) (TVD)**

1605.00 ft (CF)

Hole Diameter: **7.80 inches** Hole Condition: **Good**

KB to GR/CF: 8.00 ft

Serial #: 6799

Inside

Press@RunDepth: **21.27 psig @ 2827.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.10.17**

End Date:

2005.10.17

Last Calib.:

2005.10.17

Start Time: **16:42:45**

End Time:

21:23:29

Time On Btm:

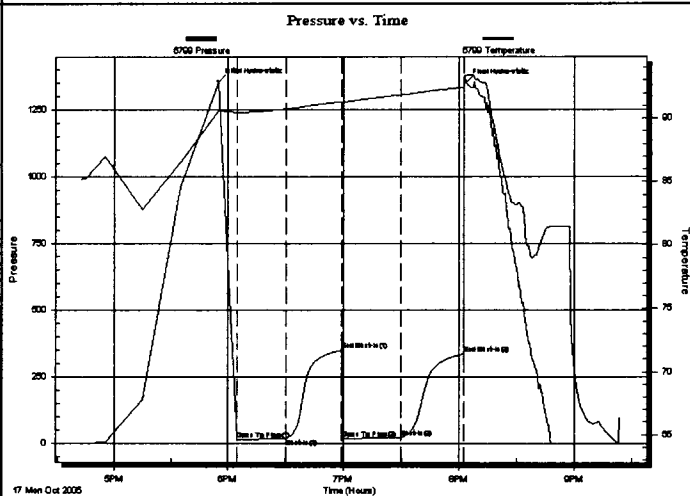
2005.10.17 @ 17:54:44

Time Off Btm:

2005.10.17 @ 20:03:14

TEST COMMENT: **IF-Weak Surface Blow died in 13 min**
FF-No Blow

ISI-No Blow back
FSI-No Blow back



PRESSURE SUMMARY

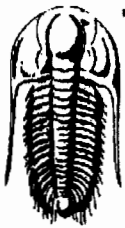
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1353.62	90.63	Initial Hydro-static
10	14.19	90.47	Open To Flow (1)
36	17.18	90.76	Shut-In(1)
65	349.91	91.33	End Shut-In(1)
65	17.88	91.29	Open To Flow (2)
95	21.27	91.87	Shut-In(2)
128	336.05	92.45	End Shut-In(2)
129	1350.19	93.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Watery Mud16%WB4%M	0.10

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

Taylor A#1

PO Bx 352
Russell Ks 67665

20-12s-14w-Russell

Job Ticket: 23697

DST#: 2

ATTN: Rod Tremblay

Test Start: 2005.10.17 @ 16:42:44

Tool Information

Drill Pipe:	Length: 2787.00 ft	Diameter: 3.80 inches	Volume: 39.09 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume: 39.25 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	2826.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			2811.00	
Hydraulic tool	5.00			2816.00	
Packer	5.00			2821.00	20.00 Bottom Of Top Packer
Packer	5.00			2826.00	
Stubb	1.00			2827.00	
Recorder	0.00	6799	Inside	2827.00	
Perforations	13.00			2840.00	
Recorder	0.00	13760	Inside	2840.00	
Bullnose	3.00			2843.00	17.00 Bottom Packers & Anchor
Total Tool Length:	37.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

Taylor A#1

PO Bx 352
Russell Ks 67665

20-12s-14w-Russell

Job Ticket: 23697

DST#: 2

ATTN: Rod Tremblay

Test Start: 2005.10.17 @ 16:42:44

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:

ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Watery Mud16%W84%M	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

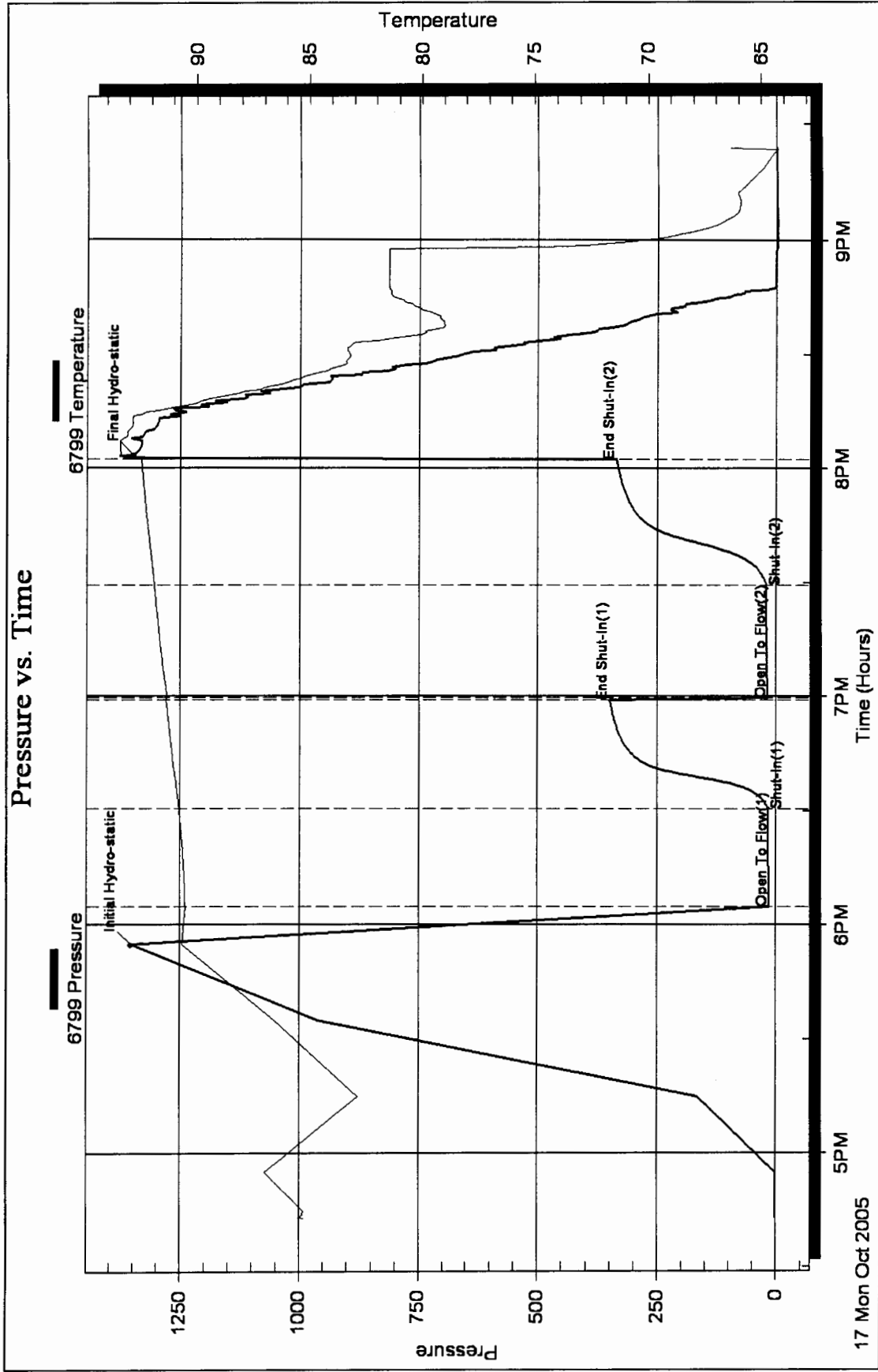
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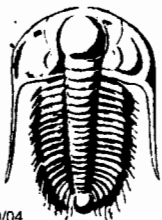
Inside

John O Farmer

20-12s-14w-Russell

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9/04

INV
8018

No 23696

Test Ticket

Well Name & No. <u>Taylor A #1</u>	Test No. <u>1</u>	Date <u>10-17-05</u>
Company <u>J.O. Farmer</u>	Zone Tested <u>Lansing</u>	
Address <u>PO Box 352 Russell KS 67665</u>	Elevation <u>1430</u> KB	GL <u>1605</u>
Co. Rep / Geo. <u>Red Tremblay</u>	Cont. <u>Disc. 2</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>20</u>	Twp. <u>25</u>	Rge. <u>14w</u> Co. <u>Russell</u> State <u>KS</u>
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>2794 - 2825</u>	Initial Str Wt./Lbs. <u>38000</u>	Unseated Str Wt./Lbs. <u>39000</u>
Anchor Length <u>31 ft</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>40000</u>
Top Packer Depth <u>2789</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>2794</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>2825</u>	Wt. Pipe Run _____	Drill Collar Run <u>32</u>
Mud Wt. <u>9.9</u> LCM <u>1/4</u> Vis. <u>47</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>2755</u>
Blow Description <u>IF-Weak Blow Built to 3" in</u> <u>ISI - No Blowback</u>		
<u>FF-Built to 1" in</u> <u>FSI - No Blowback</u>		

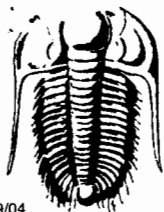
Recovery - Total Feet <u>77</u>	GIP _____	Ft. in DC _____	Ft. in DP _____
Rec. <u>57</u>	Feet of <u>Muddy water</u>	%gas _____	%oil <u>70</u> %water <u>30</u> %mud _____
Rec. <u>20</u>	Feet of <u>DM</u>	%gas _____	%oil _____ %water <u>100</u> %mud _____
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
BHT _____ °F Gravity _____	*API D @ _____	*F Corrected Gravity _____	*API _____
RW <u>.34</u> @ <u>69</u> °F	Chlorides <u>27000</u> ppm Recovery _____	Chlorides _____ ppm System _____	

(A) Initial Hydrostatic Mud	AK-1 <u>1350</u> PSI	Alpine <u>6799</u>	Recorder No. <u>2795</u>	Test <u>✓</u> <u>1600</u>
(B) First Initial Flow Pressure	<u>14</u> PSI	(depth) <u>13760</u>	Jars _____	
(C) First Final Flow Pressure	<u>33</u> PSI	Recorder No. <u>2822</u>	Safety Jt. _____	
(D) Initial Shut-In Pressure	<u>329</u> PSI	(depth) _____	Circ Sub _____	
(E) Second Initial Flow Pressure	<u>34</u> PSI	Recorder No. _____	Sampler _____	
(F) Second Final Flow Pressure	<u>52</u> PSI	(depth) _____	Straddle _____	
(G) Final Shut-In Pressure	<u>334</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____	
(Q) Final Hydrostatic Mud	<u>1338</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____	
		Final Flow <u>60</u>	Ruined Packer _____	
		Final Shut-In <u>60</u>	Mileage <u>60 RT</u> <u>60</u>	
		T-On Location <u>3:20</u>	Sub Total: <u>1060</u>	
		T-Started <u>4:40</u>	Std. By _____	
		T-Open <u>6:10</u>	Other _____	
		T-Pulled <u>9:10</u>	Total: _____	
		T-Out <u>10:30</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 R. J. Jiles

Our Representative for Lansing



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 23697

Test Ticket

Well Name & No. Taylor A #1 Test No. 2 Date 10-17-05
 Company JO Farmer Zone Tested Lansing
 Address Po Box 352 Russell KS 67665 Elevation 1613 KB 1605 GL
 Co. Rep / Geo. Rod Tremblay Cont. Disc. 2 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 20 Twp. 12 S Rge. 14 W Co. Russell State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 2826 - 2843 Initial Str Wt./Lbs. 40000 Unseated Str Wt/Lbs. _____
 Anchor Length 17' Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. _____
 Top Packer Depth 2821 Tool Weight 2000
 Bottom Packer Depth 2826 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 2843 Wt. Pipe Run _____ Drill Collar Run 32
 Mud Wt. 9.2 LCM Tr Vis. 44 WL 8.4 Drill Pipe Size 4 1/2 XH Ft. Run 2787
 Blow Description IF - Weak Surface Blow Picked in 13 min I ST - No Blowback
FF - No Blow FSI - No Blow Back

Recovery - Total Feet 20 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 20 Feet of water mud %gas _____ %oil 16 %water 84 %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 92 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	1354	PSI	6799	1000
(B) First Initial Flow Pressure	14	PSI	(depth) 2827	Jars
(C) First Final Flow Pressure	17	PSI	Recorder No. 13760	Safety Jt.
(D) Initial Shut-In Pressure	350	PSI	(depth) 2840	Circ Sub
(E) Second Initial Flow Pressure	18	PSI	Recorder No.	Sampler
(F) Second Final Flow Pressure	21	PSI	(depth)	Straddle
(G) Final Shut-In Pressure	336	PSI	Initial Opening 30	Ext. Packer
(Q) Final Hydrostatic Mud	1350	PSI	Initial Shut-In 30	Shale Packer
			Final Flow 30	Ruined Packer
			Final Shut-In 30	Mileage <u>80 RT</u> <u>60</u>
			T-On Location <u>18.30</u>	Sub Total: <u>1060</u>
			T-Started <u>16:42</u>	Std. By
			T-Open <u>18:00</u>	Other
			T-Pulled <u>20:00</u>	Total:
			T-Out <u>20:55</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 RJ/ky
 Our Representative for Ramsey