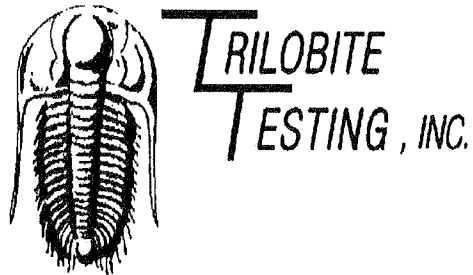


15-051-25642

9-115-16w



DRILL STEM TEST REPORT

Prepared For: **IA Operating Inc**

900 N Tyler Rd # 14
Wichita KS 67212

ATTN: Hal Porter

9 11 16 Ellis KS

Linda Zeigler # 9-1

Start Date: 2007.05.05 @ 18:30:05

End Date: 2007.05.05 @ 23:55:20

Job Ticket #: 28111 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 17 2007

CONSERVATION DIVISION
WICHITA, KS

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

IA Operating Inc

Linda Zeigler # 9-1

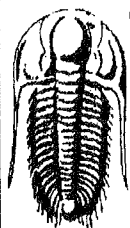
9 11 16 Ellis KS

DST # 1

Toronto/D

2007.05.05

091-511-10
MN MN CS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

IA Operating Inc

900 N Tyler Rd # 14
Wichita KS 67212

ATTN: Hal Porter

Linda Zeigler # 9-1

9 11 16 Ellis KS

Job Ticket: 28111

DST#: 1

Test Start: 2007.05.05 @ 18:30:05

GENERAL INFORMATION:

Formation: **Toronto/D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:36:55

Time Test Ended: 23:55:20

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **3009.00 ft (KB) To 3123.00 ft (KB) (TVD)**

Total Depth: 3123.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1842.00 ft (KB)

1837.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **6741**

Inside

Press@RunDepth: 31.98 psig @ 3012.00 ft (KB)

Start Date: 2007.05.05

End Date:

2007.05.05

Start Time: 18:30:07

End Time:

23:55:20

Capacity: 7000.00 psig

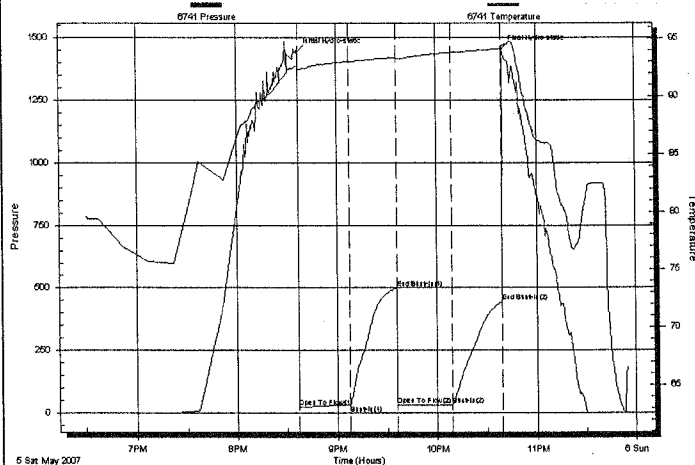
Last Calib.: 2007.05.06

Time On Btm: 2007.05.05 @ 20:36:45

Time Off Btm: 2007.05.05 @ 22:39:50

TEST COMMENT: IF Weak died in 15 min
FF No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1443.59	92.63	Initial Hydro-static
1	21.39	92.19	Open To Flow (1)
31	31.17	93.00	Shut-In(1)
60	498.10	93.36	End Shut-In(1)
60	29.74	93.24	Open To Flow (2)
93	31.98	93.81	Shut-In(2)
123	445.29	94.11	End Shut-In(2)
124	1454.68	94.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	DM	0.07

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

IA Operating Inc

Linda Zeigler # 9-1

900 N Tyler Rd # 14
Wichita KS 67212

9 11 16 Ellis KS

Job Ticket: 28111

DST#: 1

ATTN: Hal Porter

Test Start: 2007.05.05 @ 18:30:05

Tool Information

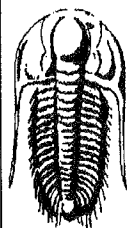
Drill Pipe:	Length: 2986.00 ft	Diameter: 3.80 inches	Volume: 41.89 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 45000.00 lb
			Total Volume: 42.04 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3009.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	114.00 ft			
Tool Length:	135.00 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			2989.00	
Shut In Tool	5.00			2994.00	
Hydraulic tool	5.00			2999.00	
Packer	5.00			3004.00	21.00 Bottom Of Top Packer
Packer	5.00			3009.00	
Stubb	1.00			3010.00	
Perforations	1.00			3011.00	
Change Over Sub	1.00			3012.00	
Recorder	0.00	6741	Inside	3012.00	
Drill Pipe	92.00			3104.00	
Change Over Sub	1.00			3105.00	
Recorder	0.00	13254	Outside	3105.00	
Perforations	15.00			3120.00	
Bullnose	3.00			3123.00	114.00 Bottom Packers & Anchor

Total Tool Length: 135.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

IA Operating Inc

Linda Zeigler # 9-1

900 N Tyler Rd # 14
Wichita KS 67212

9 11 16 Ellis KS

Job Ticket: 28111

DST#: 1

ATTN: Hal Porter

Test Start: 2007.05.05 @ 18:30:05

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:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.29 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	DM	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

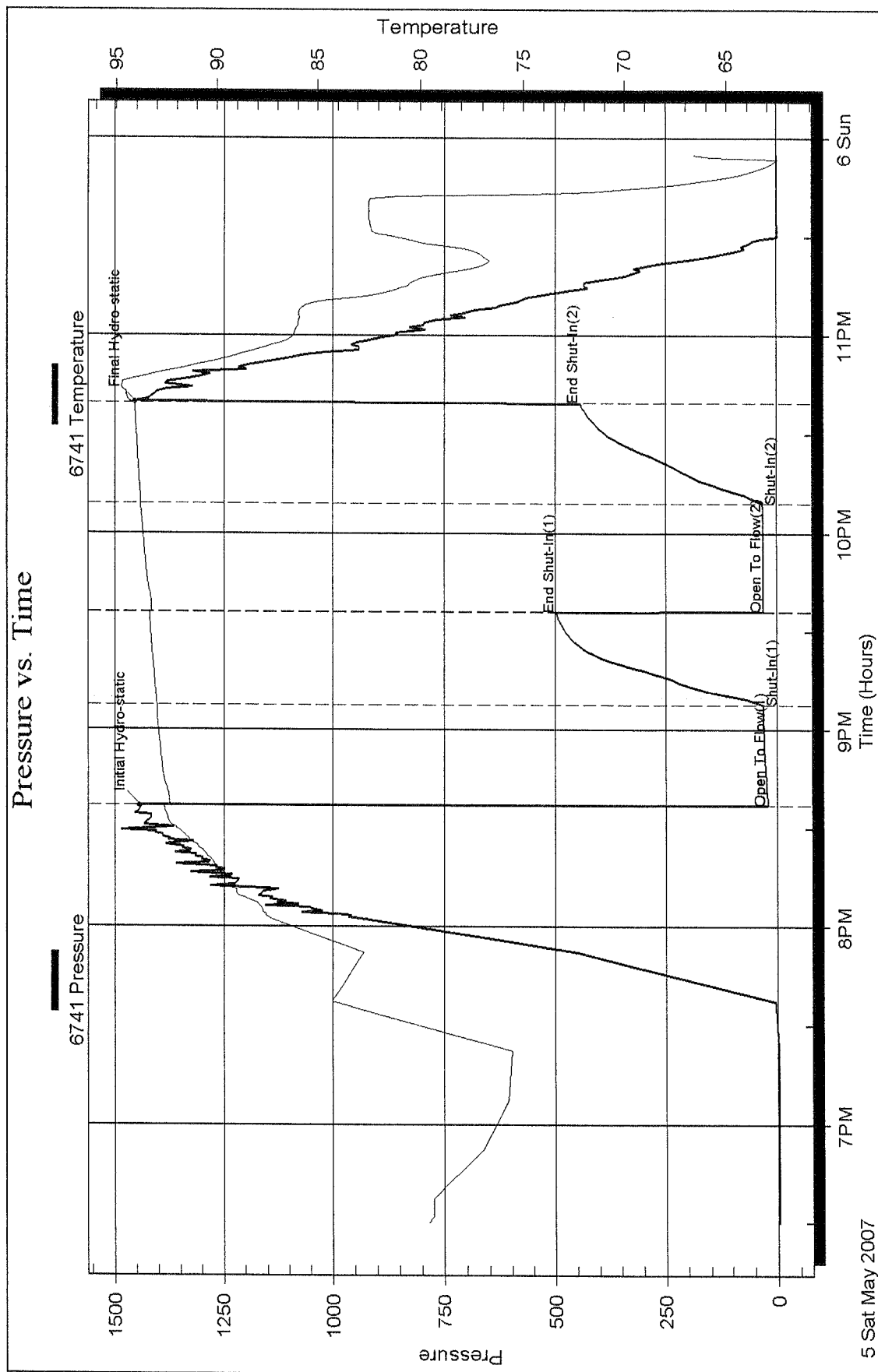
9 11 16 Ellis KS

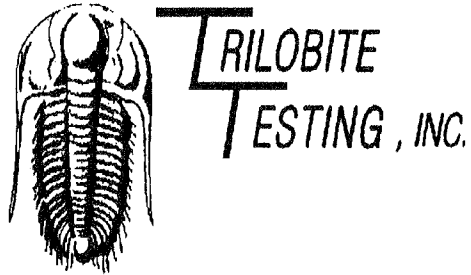
IA Operating Inc

Inside

Serial #: 6741

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **IA Operating Inc**

900 N Tyler Rd # 14
Wichita KS 67212

ATTN: Hal Porter

9 11 16 Ellis KS

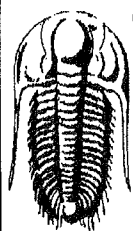
Linda Zeigler # 9-1

Start Date: 2007.05.06 @ 15:07:43

End Date: 2007.05.06 @ 20:26:13

Job Ticket #: 28112 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

IA Operating Inc
900 N Tyler Rd # 14
Wichita KS 67212
ATTN: Hal Porter

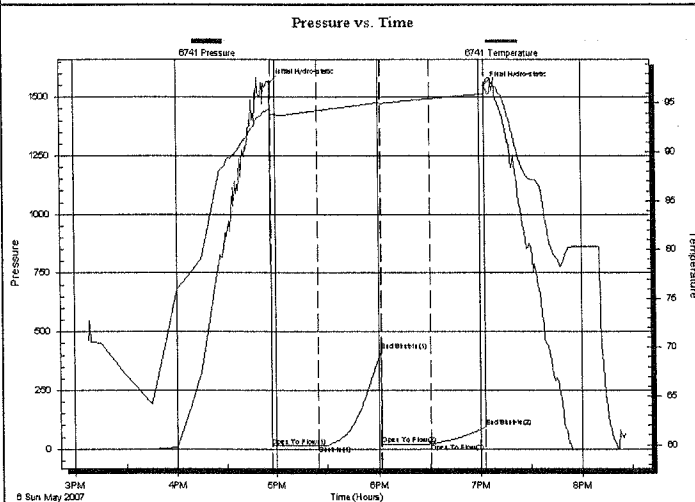
Linda Zeigler # 9-1
9 11 16 Ellis KS
Job Ticket: 28112 DST#: 2
Test Start: 2007.05.06 @ 15:07:43

GENERAL INFORMATION:

Formation: I-K LK
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:57:13
Time Test Ended: 20:26:13
Interval: 3198.00 ft (KB) To 3280.00 ft (KB) (TVD)
Total Depth: 3280.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38
Reference Elevations: 1842.00 ft (KB)
1837.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6741 Inside
Press@RunDepth: 16.98 psig @ 3201.00 ft (KB)
Start Date: 2007.05.06 End Date: 2007.05.06
Start Time: 15:07:45 End Time: 20:26:13
Capacity: 7000.00 psig
Last Calib.: 2007.05.06
Time On Btm: 2007.05.06 @ 16:57:03
Time Off Btm: 2007.05.06 @ 19:03:13

TEST COMMENT: IF Weak died in 7 min
FF No blow



PRESSURE SUMMARY

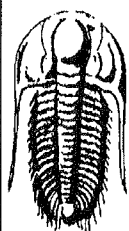
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1562.62	94.36	Initial Hydro-static
1	12.95	93.84	Open To Flow (1)
28	16.98	94.22	Shut-In (1)
65	418.90	95.09	End Shut-In (1)
65	19.67	94.94	Open To Flow (2)
94	21.98	95.45	Open To Flow (3)
126	95.26	95.95	End Shut-In (2)
127	1548.86	96.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	DM w / Oil spots	0.07

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

IA Operating Inc

Linda Zeigler # 9-1

900 N Tyler Rd # 14
Wichita KS 67212

9 11 16 Ellis KS

Job Ticket: 28112

DST#: 2

ATTN: Hal Porter

Test Start: 2007.05.06 @ 15:07:43

Tool Information

Drill Pipe:	Length: 3172.00 ft	Diameter: 3.80 inches	Volume: 44.49 bbl	Tool Weight:	2000.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	45000.00 lb
		Total Volume:	44.64 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3198.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	82.00 ft				
Tool Length:	103.00 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			3178.00	
Shut In Tool	5.00			3183.00	
Hydraulic tool	5.00			3188.00	
Packer	5.00			3193.00	21.00 Bottom Of Top Packer
Packer	5.00			3198.00	
Stubb	1.00			3199.00	
Perforations	1.00			3200.00	
Change Over Sub	1.00			3201.00	
Recorder	0.00	6741	Inside	3201.00	
Drill Pipe	61.00			3262.00	
Change Over Sub	1.00			3263.00	
Recorder	0.00	13254	Outside	3263.00	
Perforations	14.00			3277.00	
Bullnose	3.00			3280.00	82.00 Bottom Packers & Anchor

Total Tool Length: 103.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

IA Operating Inc

Linda Zeigler # 9-1

900 N Tyler Rd # 14
Wichita KS 67212

9 11 16 Ellis KS

Job Ticket: 28112

DST#: 2

ATTN: Hal Porter

Test Start: 2007.05.06 @ 15:07:43

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	DM w / Oil spots	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

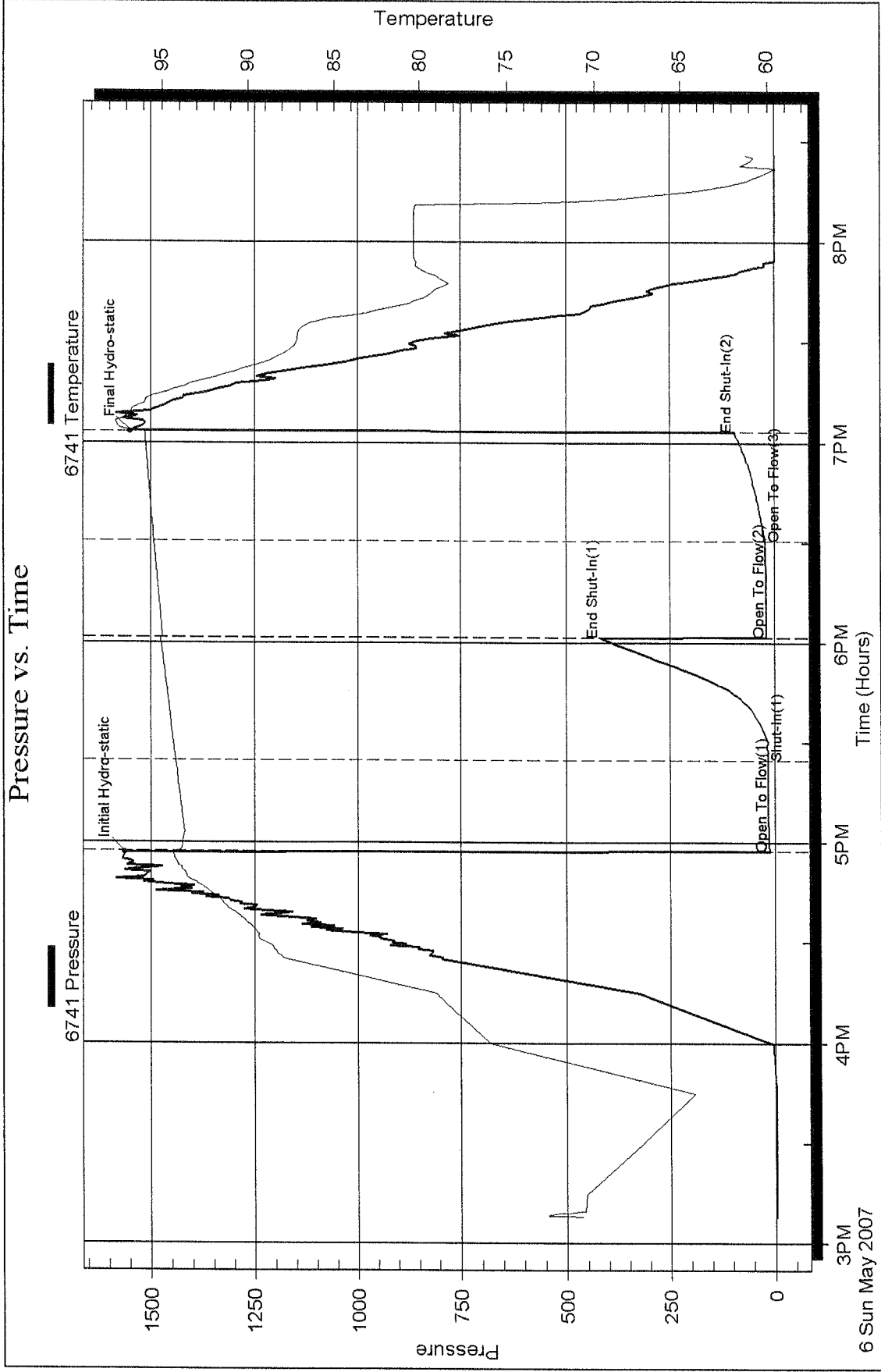
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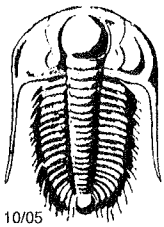
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28111

Test Ticket

Well Name & No. Linda Zeigler #9-1 Test No. 1 Date 5-5-07
 Company IA Operating, Inc Zone Tested Toronto - D-LKC
 Address 900 N Tyler Rd #14 Wichita KS 67212 Elevation 1842 KB 1837 GL
 Co. Rep / Geo. Marc Downing Rig Murfin #16
 Location: Sec. 9 Twp. 11 Rge. 16 Co. Ellis State KS
 Comment: _____ Release date / time: _____

Interval Tested 3009 ————— 3123 Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 42,000
 Anchor Length 114 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. _____
 Top Packer Depth 3004 Tool Weight 2000
 Bottom Packer Depth 3009 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3123 Wt. Pipe Run _____ Drill Collar Run 30
 Mud Wt. 8.9 LCM Y4# Vis. 46 WL 8.3 Drill Pipe Size 4.5 x 4 Ft. Run 2986
 Blow Description I.F. Weak - Died in 15 min.

E.F. No blow

Recovery - Total Feet 15 GIP _____ Ft. in DC 15 Ft. in DP _____
 Rec. 15 Feet of D.M %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 94 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ Chl. _____ ppm Recovery _____ Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud	<u>1460</u> PSI	Recorder No.	<u>6741</u>	Test	_____
(B) First Initial Flow Pressure	<u>21</u> PSI	(depth)	<u>3012</u>	Jars	_____
(C) First Final Flow Pressure	<u>31</u> PSI	Recorder No.	<u>13254</u>	Safety Jt.	_____
(D) Initial Shut-In Pressure	<u>498</u> PSI	(depth)	<u>3105</u>	Circ Sub	_____
(E) Second Initial Flow Pressure	<u>29</u> PSI	Recorder No.	_____	Sampler	_____
(F) Second Final Flow Pressure	<u>31</u> PSI	(depth)	_____	Straddle	_____
(G) Final Shut-In Pressure	<u>445</u> PSI	Initial Opening	<u>30</u>	Ext. Packer	_____
(Q) Final Hydrostatic Mud	<u>1454</u> PSI	Initial Shut-In	<u>30</u>	Shale Packer	_____

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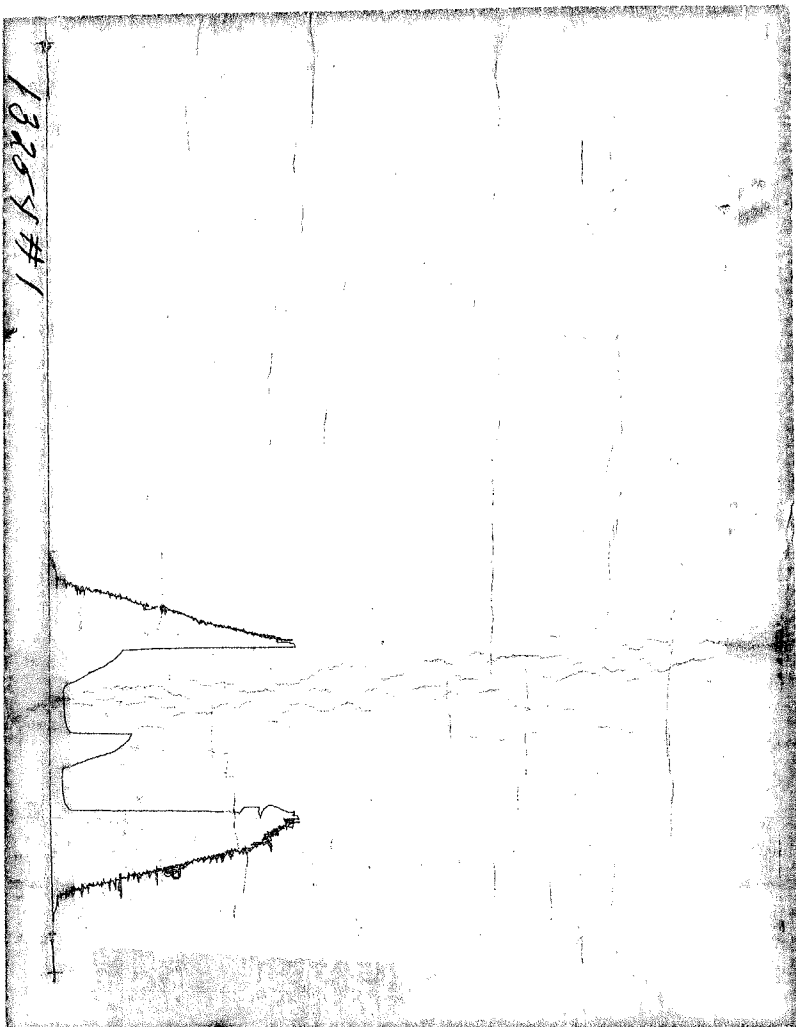
Approved By _____

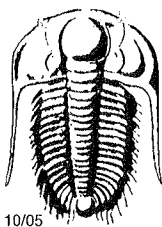
Our Representative Dan Bangle

Final Flow	<u>30</u>	Ruined Packer	_____
Final Shut-In	<u>30</u>	Mileage <u>66 RT</u>	_____
T-On Location	<u>17:45</u>	Sub Total:	_____
T-Started	<u>18:30</u>	Std. By	_____
T-Open	<u>20:40</u>	Acc. Chg:	_____
T-Pulled	<u>22:40</u>	Other:	_____
T-Out	<u>23:55</u>	Total:	_____

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28112

Test Ticket

Well Name & No. Linda Zeigler #9-1 Test No. 2 Date 5-6-07
 Company IA Operating Inc Zone Tested I-K AKC
 Address _____ Elevation 1842 KB 1837 GL _____
 Co. Rep / Geo. Marc Downing Rig Murfin #16
 Location: Sec. 9 Twp. 11 Rge. 16 Co. Ellis State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3198 ————— 3280 Initial Str Wt./Lbs. 44,000 Unseated Str Wt./Lbs. 44,000
 Anchor Length 82 Wt. Set Lbs. 29,000 Wt. Pulled Loose/Lbs. 45,000
 Top Packer Depth 3193 Tool Weight 2000
 Bottom Packer Depth 3198 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3280 Wt. Pipe Run _____ Drill Collar Run 30
 Mud Wt. 9.2 LCM Y4# Vis. 48 WL 9.2 Drill Pipe Size 4.5XH Ft. Run 3172
 Blow Description I.F. Weak- Died in 7 min.

E.F. No blow

Recovery - Total Feet 15 GIP _____ Ft. in DC 15 Ft. in DP _____
 Rec. 15 Feet of D.M.W./oil spots %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 95 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 8,000 ppm System

(A) Initial Hydrostatic Mud	<u>1568</u> PSI	Recorder No.	<u>6741</u>	Test	_____
(B) First Initial Flow Pressure	<u>12</u> PSI	(depth)	<u>3201</u>	Jars	_____
(C) First Final Flow Pressure	<u>16</u> PSI	Recorder No.	<u>13254</u>	Safety Jt.	_____
(D) Initial Shut-In Pressure	<u>418</u> PSI	(depth)	<u>3263</u>	Circ Sub	_____
(E) Second Initial Flow Pressure	<u>19</u> PSI	Recorder No.	_____	Sampler	_____
(F) Second Final Flow Pressure	<u>21</u> PSI	(depth)	_____	Straddle	_____
(G) Final Shut-In Pressure	<u>95</u> PSI	Initial Opening	<u>30</u>	Ext. Packer	_____
(Q) Final Hydrostatic Mud	<u>1535</u> PSI	Initial Shut-In	<u>30</u>	Shale Packer	_____
		Final Flow	<u>30</u>	Ruined Packer	_____
		Final Shut-In	<u>30</u>	Mileage	<u>66 RT</u>
		T-On Location	<u>15:00</u>	Sub Total:	_____
		T-Started	<u>15:07</u>	Std. By	_____
		T-Open	<u>17:00</u>	Acc. Chg:	_____
		T-Pulled	<u>19:00</u>	Other:	_____
		T-Out	<u>20:26</u>	Total:	_____

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Approved By _____
 Our Representative Dan Bangle

CHART PAGE

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

