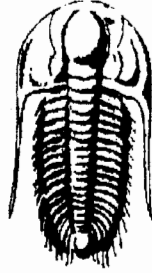


15-179-21181



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **IA Operating Inc**

900 N Taylor Rd #14
Wichita KS 67212

ATTN: Randy Killian

24 8 27 Sheridan KS

Taylor #24-1

Start Date: 2007.09.14 @ 20:05:31

End Date: 2007.09.15 @ 01:45:10

Job Ticket #: 28772 DST #: 1

15-179-21181

SE SE SW

330 FSL 2190 FWL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

IA Operating Inc

Taylor #24-1

24 8 27 Sheridan KS

DST # 1

J-K

2007.09.14



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

IA Operating Inc
900 N Taylor Rd #14
Wichita KS 67212
ATTN: Randy Killian

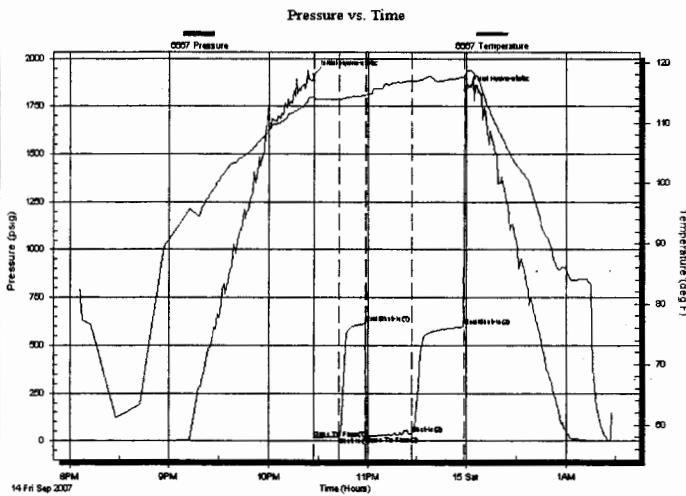
Taylor #24-1
24 8 27 Sheridan KS
Job Ticket: 28772 **DST#: 1**
Test Start: 2007.09.14 @ 20:05:31

GENERAL INFORMATION:

Formation: **J-K**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: **22:27:11**
Time Test Ended: **01:45:10**
Test Type: **Conventional Bottom Hole**
Tester: **Shane McBride**
Unit No: **40**
Interval: **3893.00 ft (KB) To 3960.00 ft (KB) (TVD)**
Reference Elevations: **2583.00 ft (KB)**
Total Depth: **3960.00 ft (KB) (TVD)**
2578.00 ft (CF)
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
KB to GR/CF: **5.00 ft**

Serial #: 6667 **Inside**
Press@RunDepth: **34.50 psig @ 3894.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2007.09.14** End Date: **2007.09.15** Last Calib.: **2007.09.15**
Start Time: **20:05:31** End Time: **01:28:10** Time On Btm: **2007.09.14 @ 22:26:56**
Time Off Btm: **2007.09.14 @ 23:59:11**

TEST COMMENT: Surface blow built to 1 "
No return
Surface blow in 3 min built to 1/2 "
No return



PRESSURE SUMMARY

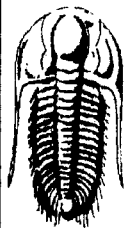
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1917.75	114.43	Initial Hydro-static
1	14.11	113.58	Open To Flow (1)
16	23.70	113.88	Shut-In(1)
32	614.09	114.55	End Shut-In(1)
33	25.26	114.74	Open To Flow (2)
60	34.50	116.95	Shut-In(2)
92	598.64	117.60	End Shut-In(2)
93	1836.74	117.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	100%M	0.29

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

IA Operating Inc

Taylor #24-1

900 N Taylor Rd #14
Wichita KS 67212

24 8 27 Sheridan KS

Job Ticket: 28772

DST#: 1

ATTN: Randy Killian

Test Start: 2007.09.14 @ 20:05:31

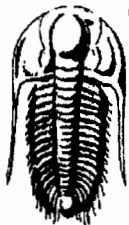
Tool Information

Drill Pipe:	Length: 3858.00 ft	Diameter: 3.80 inches	Volume: 54.12 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume:	54.27 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3893.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	87.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3874.00	
Shut In Tool	5.00			3879.00	
Hydraulic tool	5.00			3884.00	
Packer	5.00			3889.00	20.00 Bottom Of Top Packer
Packer	4.00		Inside	3893.00	
Stubb	1.00			3894.00	
Recorder	0.00	6667	Inside	3894.00	
Perforations	28.00			3922.00	
Change Over Sub	1.00			3923.00	
Drill Pipe	31.00			3954.00	
Change Over Sub	1.00			3955.00	
Recorder	0.00	11058	Inside	3955.00	
Bullnose	5.00			3960.00	67.00 Bottom Packers & Anchor

Total Tool Length: 87.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

IA Operating Inc

Taylor #24-1

900 N Taylor Rd #14
Wichita KS 67212

24 8 27 Sheridan KS

Job Ticket: 28772

DST#: 1

ATTN: Randy Killian

Test Start: 2007.09.14 @ 20:05:31

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:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
40.00	100%M	0.288

Total Length: 40.00 ft

Total Volume: 0.288 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

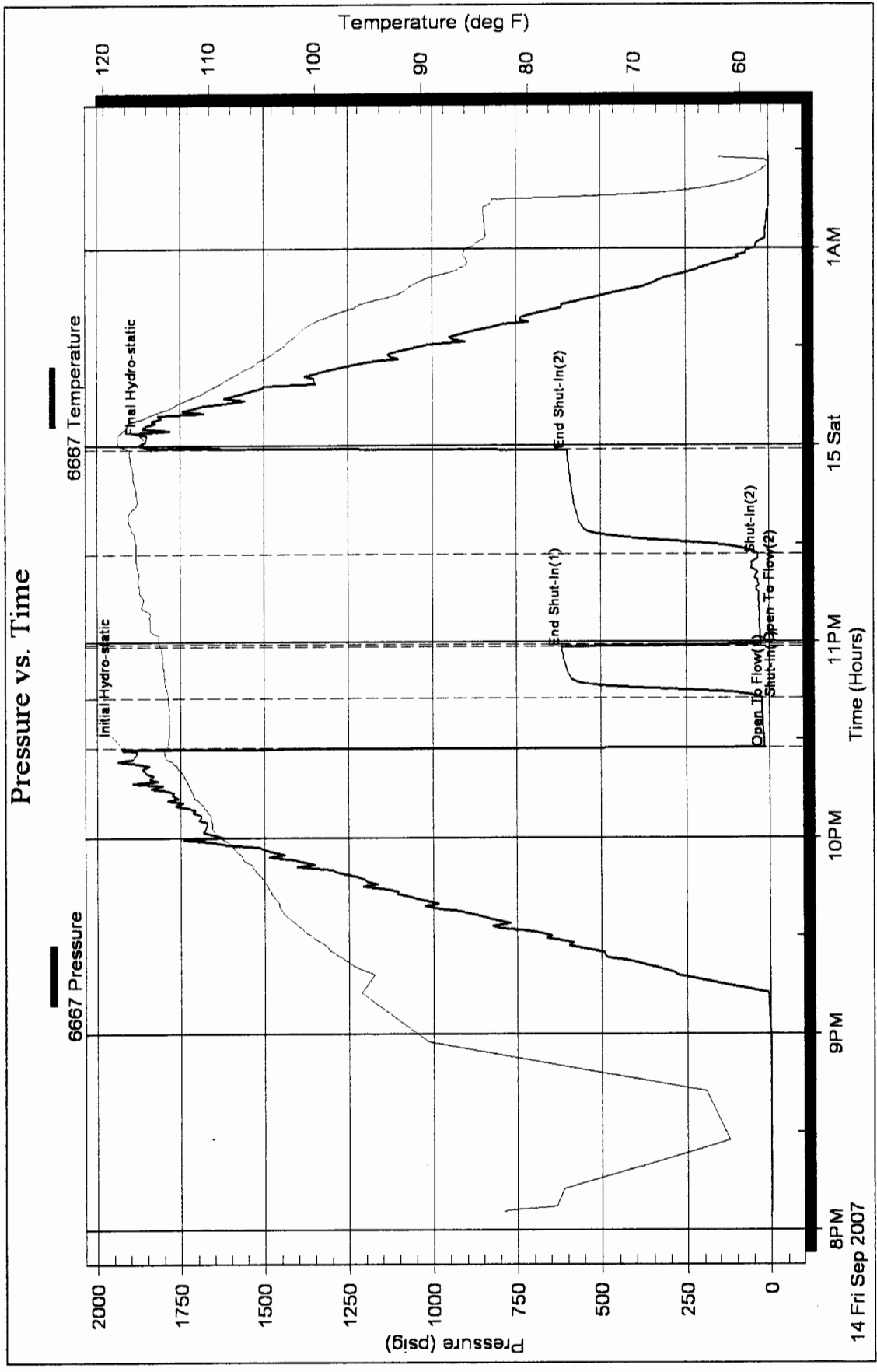
Serial #:

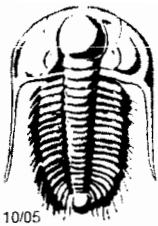
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28772

RECEIVED
SEP 17 2007

Test Ticket

BY: _____

Well Name & No. <u>Taylor #24-1</u>	Test No. <u>#1</u>	Date <u>9/15/07</u>
Company <u>IA Operating Inc.</u>	Zone Tested <u>J-K</u>	
Address <u>900 N. Tyler Rd #14 Wichita, KS 67212</u>	Elevation <u>2583</u> KB <u>2578</u> GL	
Co. Rep / Geo. <u>Randy Killian</u>	Rig <u>Markin #10</u>	
Location: Sec. <u>24</u> Twp. <u>8</u> Rge. <u>27</u>	Co. <u>Shawnee</u> State <u>KS</u>	
Comment: _____	Release date / time: _____	

Interval Tested <u>3893</u>	<u>3900</u>	Initial Str Wt./Lbs. <u>4,000</u>	Unseated Str Wt./Lbs. <u>46,000</u>
Anchor Length _____	<u>67</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>65,000</u>
Top Packer Depth _____	<u>3888</u>	Tool Weight <u>1500</u>	
Bottom Packer Depth _____	<u>3893</u>	Hole Size 7 7/8" <input checked="" type="checkbox"/>	Rubber Size 6 3/4" <input checked="" type="checkbox"/>
Total Depth _____	<u>3900</u>	Wt. Pipe Run _____	Drill Collar Run <u>30'</u>
Mud Wt. <u>9.4</u> LCM <u>71</u> Vis. <u>48</u> WL <u>8.8</u>		Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3858'</u>
Blow Description <u>Surface blow built to 1" in.</u>			

No return
Surface blow in 3 min built to 1/2" in
No return

Recovery - Total Feet <u>40</u>	GIP _____	Ft. in DC <u>30'</u>	Ft. in DP <u>10'</u>
Rec. <u>40'</u>	Feet of <u>mud</u>	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
BHT <u>118°</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____
RW _____	@ _____ °F	Chlorides _____ ppm	Recovery _____ Chlorides <u>1500</u> ppm System

(A) Initial Hydrostatic Mud _____	AK-1 <u>1917</u> PSI	Alpine _____	Recorder No. <u>6667</u>	Testx <u>#1100°</u>
(B) First Initial Flow Pressure _____	<u>14</u> PSI		(depth) <u>3894</u>	Jars _____
(C) First Final Flow Pressure _____	<u>23</u> PSI		Recorder No. <u>11058</u>	Safety Jt. _____
(D) Initial Shut-In Pressure _____	<u>614</u> PSI		(depth) <u>3955</u>	Circ Subx <u>NK</u>
(E) Second Initial Flow Pressure _____	<u>25</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure _____	<u>34</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure _____	<u>598</u> PSI	Initial Opening <u>15</u>	Initial Shut-In _____	Ext. Packer _____
(Q) Final Hydrostatic Mud _____	<u>1836</u> PSI	Initial Shut-In <u>15</u>	Final Flow <u>30</u>	Shale Packer _____
		Final Flow <u>30</u>	Final Shut-In <u>30</u>	Ruined Packer _____

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Approved By _____
Our Representative [Signature]

T-On Location <u>18:30</u> p.m.	Sub Total: <u>\$1340°</u>
T-Started <u>20:05</u> p.m.	Std. By _____
T-Open <u>22:28</u> p.m.	Acc. Chg: _____
T-Pulled <u>23:58</u> p.m.	Other: _____
T-Out <u>01:45</u> A.M.	Total: <u>\$1340°</u>

7.25

CHART PAGE

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

11/28
Dist # 1
IM operation
Taylor # 24-1

