



**TRILOBITE
TESTING, INC.**

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KCC WICHITA

DRILL STEM TEST REPORT

Prepared For: **O'Dell-Tomlinson, LLC**

11404 Merridale
Wichita, Ks 67212

ATTN: Bob O'Dell

ORIGINAL

35-11-19-Ellis-Ks

Jensen #1

Start Date: 2003.05.24 @ 19:17:45


End Date: 2003.05.25 @ 01:00:45

Job Ticket #: 17011 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

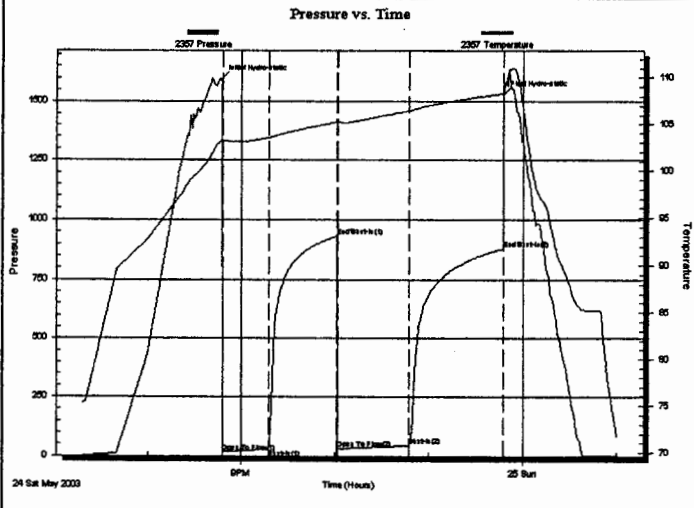
 <p>TRILOBITE TESTING, INC.</p>	DRILL STEM TEST REPORT	
	O'Dell-Tomlinson, LLC 11404 Merridale Wichita, Ks 67212 ATTN: Bob O'Dell	Jensen #1 35-11-19-Ellis-Ks Job Ticket: 17011 DST#: 1 Test Start: 2003.05.24 @ 19:17:45

GENERAL INFORMATION:

Formation: Lower Topeka	Test Type: Conventional Bottom Hole
Deviated: No Whipstock: ft (KB)	Tester: Dan Bangle
Time Tool Opened: 20:47:45	Unit No: 21
Time Test Ended: 01:00:45	Reference Elevations: 2123.00 ft (KB)
Interval: 3316.00 ft (KB) To 3330.00 ft (KB) (TVD)	2118.00 ft (CF)
Total Depth: 3330.00 ft (KB) (TVD)	KB to GR/CF: 5.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Good

Serial #: 2357	Inside	Capacity: 7000.00 psig
Press@RunDepth: 43.90 psig @ 3317.00 ft (KB)	Start Date: 2003.05.24	Last Calib.: 2003.05.25
Start Time: 19:17:50	End Date: 2003.05.25	Time On Btm: 2003.05.24 @ 20:47:15
	End Time: 01:00:44	Time Off Btm: 2003.05.24 @ 23:47:44

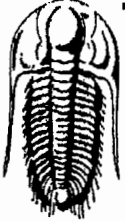
TEST COMMENT: IF-Weak building to 2"
 FF-Weak building to 1/4"
 Times-30-45-45-60



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1593.67	103.18	Initial Hydro-static
1	16.28	103.21	Open To Flow (1)
30	28.52	103.48	Shut-In(1)
74	931.13	105.25	End Shut-In(1)
75	29.76	105.26	Open To Flow (2)
120	43.90	106.45	Shut-In(2)
180	878.01	108.30	End Shut-In(2)
181	1530.58	108.40	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	DM	0.07
55.00	Wtr Rw .28 @ 78 = 40000ppm	0.77

Gas Rates			
	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)


 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		TOOL DIAGRAM
	O'Dell-Tomlinson, LLC 11404 Merridale Wichita, Ks 67212 ATTN: Bob O'Dell	Jensen #1 35-11-19-Ellis-Ks Job Ticket: 17011 DST#: 1 Test Start: 2003.05.24 @ 19:17:45	

Tool Information

Drill Pipe:	Length: 3308.00 ft	Diameter: 3.80 inches	Volume: 46.40 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			Total Volume: 46.40 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3316.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	35.00 ft			
Number of Packers:	2	Diameter:	6.75 inches	

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3296.00	
S.I. Tool	5.00			3301.00	
HMV	5.00			3306.00	
Packer	5.00			3311.00	21.00 Bottom Of Top Packer
Packer	5.00			3316.00	
Stubb	1.00			3317.00	
Recorder	0.00	2357	Inside	3317.00	
Perforations	10.00			3327.00	
Recorder	0.00	13254	Outside	3327.00	
Bullnose	3.00			3330.00	14.00 Bottom Packers & Anchor
Total Tool Length:	35.00				

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	O'Dell-Tomlinson, LLC 11404 Merridale Wichita, Ks 67212 ATTN: Bob O'Dell	Jensen #1 35-11-19-Ellis-Ks Job Ticket: 17011	DST#: 1 Test Start: 2003.05.24 @ 19:17:45

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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	DM	0.070
55.00	Wtr Rw .28 @ 78 = 40000ppm	0.772

Total Length: 60.00 ft Total Volume: 0.842 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 2357

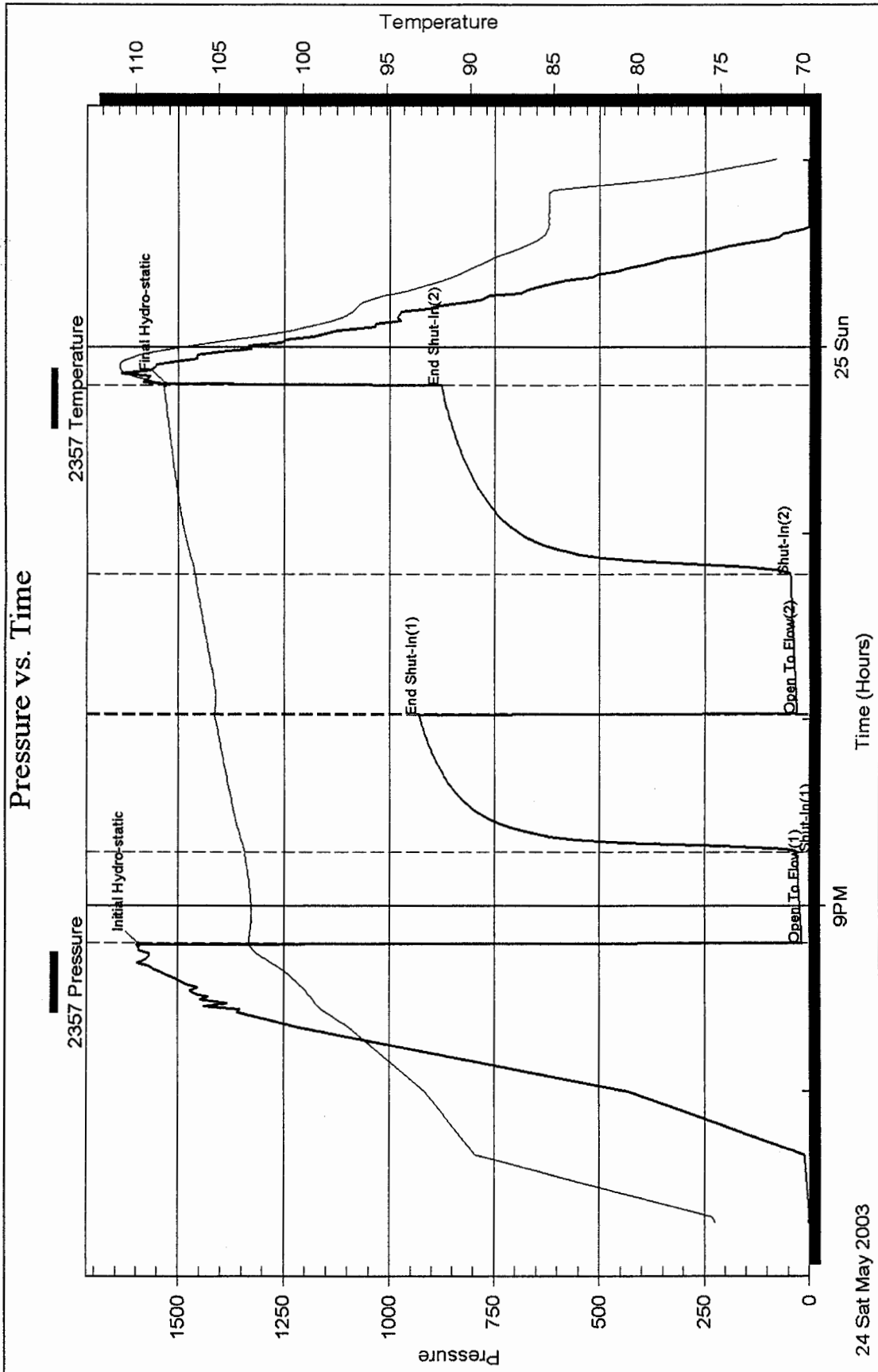
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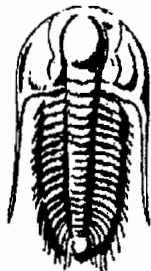
O'Dell-Tomlinson, LLC

35-11-19-Ellis-Ks

DST Test Number: 1

Pressure vs. Time





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DRILL STEM TEST REPORT

Prepared For: **O'Dell-Tomlinson, LLC**

11404 Merridale
Wichita, Ks 67212

ATTN: Bob O'Dell

35-11-19-Ellis-Ks

Jensen #1

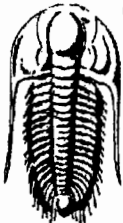
Start Date: 2003.05.25 @ 13:14:24

End Date: 2003.05.25 @ 18:02:24

Job Ticket #: 17012 DST #: 2

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

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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

O'Dell-Tomlinson, LLC
 11404 Merridale
 Wichita, Ks 67212
 ATTN: Bob O'Dell

Jensen #1
35-11-19-Ellis-Ks
 Job Ticket: 17012 DST#: 2
 Test Start: 2003.05.25 @ 13:14:24

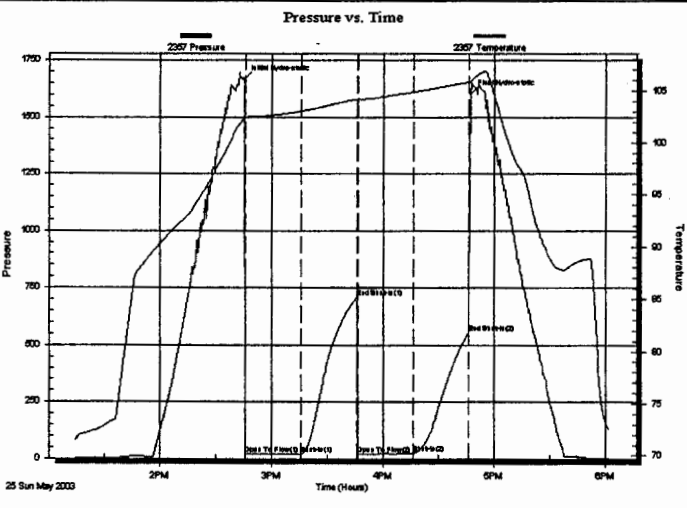
GENERAL INFORMATION:

Formation: **A-B LKC**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 14:45:54
 Time Test Ended: 18:02:24
 Interval: **3385.00 ft (KB) To 3440.00 ft (KB) (TVD)**
 Total Depth: **3440.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Test Type: **Conventional Bottom Hole**
 Tester: **Dan Bangle**
 Unit No: **21**
 Reference Elevations: **2123.00 ft (KB)**
 2118.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 2357 **Inside**
 Press@RunDepth: **22.81 psig @ 3390.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2003.05.25** End Date: **2003.05.25** Last Calib.: **2003.05.25**
 Start Time: **13:14:29** End Time: **18:02:23** Time On Btm: **2003.05.25 @ 14:45:24**
 18:02:23 Time Off Btm: **2003.05.25 @ 16:47:24**

TEST COMMENT: IF-Weak building to 1/4"
 FF-Weak steady surface blow
 Times-30-30-30-30



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1667.29	102.35	Initial Hydro-static
1	18.26	102.41	Open To Flow (1)
31	20.53	103.08	Shut-In(1)
61	707.96	104.23	End Shut-In(1)
61	21.49	104.24	Open To Flow (2)
91	22.81	104.91	Shut-In(2)
121	553.77	105.85	End Shut-In(2)
122	1604.54	105.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	DM w/ few oil spots	0.14

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

O'Dell-Tomlinson, LLC

Jensen #1

11404 Merridale
Wichita, Ks 67212

35-11-19-Ellis-Ks

Job Ticket: 17012

DST#: 2

ATTN: Bob O'Dell

Test Start: 2003.05.25 @ 13:14:24

Tool Information

Drill Pipe:	Length: 3370.00 ft	Diameter: 3.80 inches	Volume: 47.27 bbl	Tool Weight:	1800.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	52000.00 lb
			<u>Total Volume: 47.27 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3385.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	55.00 ft				
Tool Length:	76.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			


Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3365.00	
S.I. Tool	5.00			3370.00	
HMV	5.00			3375.00	
Packer	5.00			3380.00	21.00 Bottom Of Top Packer
Packer	5.00			3385.00	
Stubb	1.00			3386.00	
Perforations	3.00			3389.00	
C.O. Sub	1.00			3390.00	
Recorder	0.00	2357	Inside	3390.00	
Blank Spacing	31.00			3421.00	
C.O. Sub	1.00			3422.00	
Recorder	0.00	13254	Outside	3422.00	
Perforations	15.00			3437.00	
Bullnose	3.00			3440.00	55.00 Bottom Packers & Anchor

Total Tool Length: 76.00

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 <p style="font-size: 2em; font-weight: bold; margin: 0;">TRILOBITE TESTING, INC.</p>	DRILL STEM TEST REPORT		FLUID SUMMARY
	O'Dell-Tomlinson, LLC 11404 Merridale Wichita, Ks 67212 ATTN: Bob O'Dell	Jensen #1 35-11-19-Ellis-Ks Job Ticket: 17012 DST#:2 Test Start: 2003.05.25 @ 13:14:24	

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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	DM w / few oil spots	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

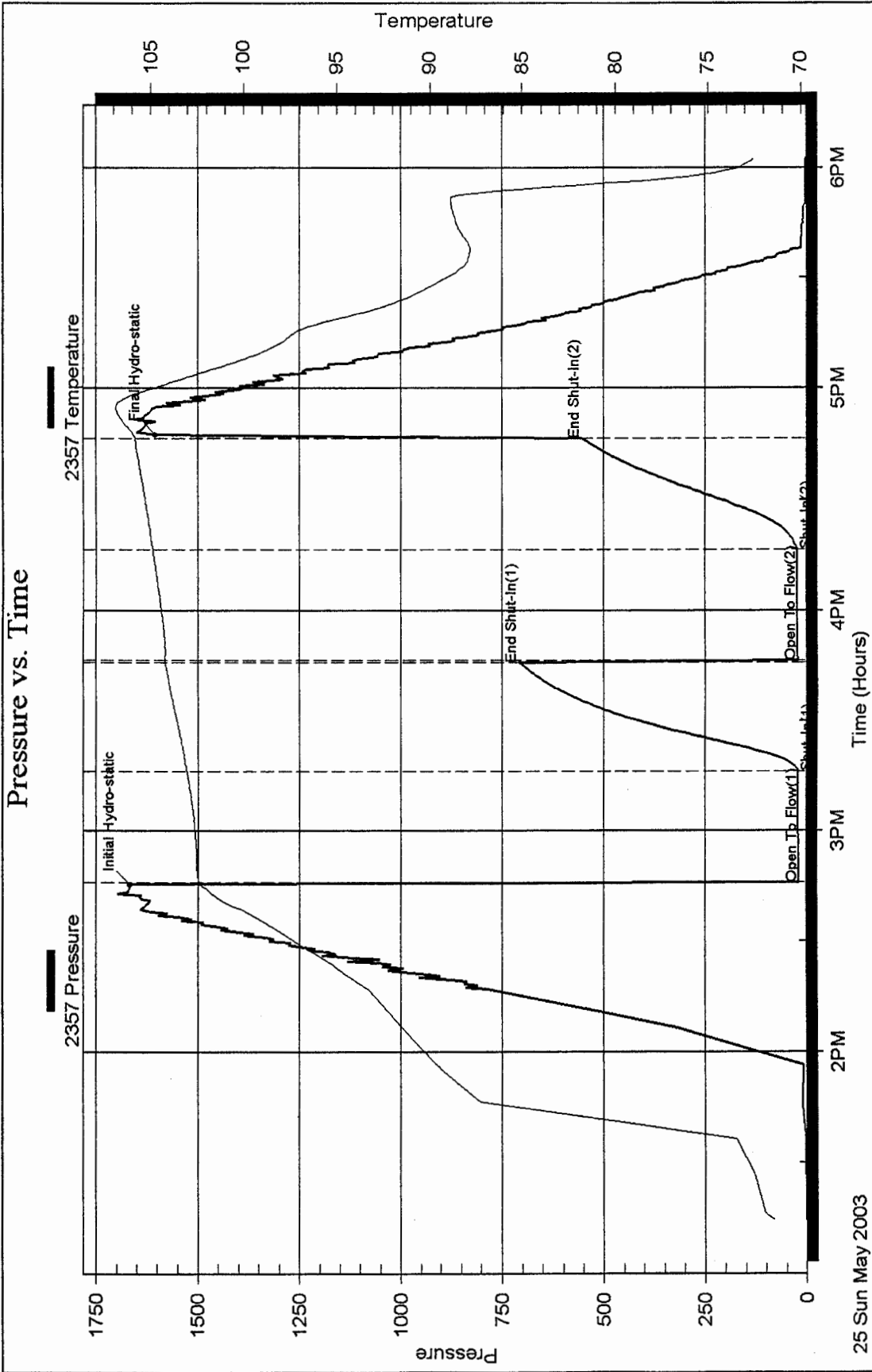
Serial #: 2357

Inside

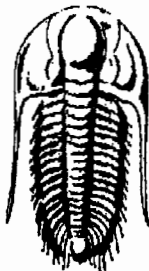
O'Dell-Tomlinson, LLC

35-11-19-Ellis-Ks

DST Test Number: 2



25 Sun May 2003



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DRILL STEM TEST REPORT

Prepared For: **O'Dell-Tomlinson, LLC**

11404 Merridale
Wichita, Ks 67212

ATTN: Bob O'Dell

35-11-19-Ellis-Ks


Jensen #1

Start Date: 2003.05.26 @ 15:29:01

End Date: 2003.05.26 @ 22:24:31

Job Ticket #: 17013 DST #: 3

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

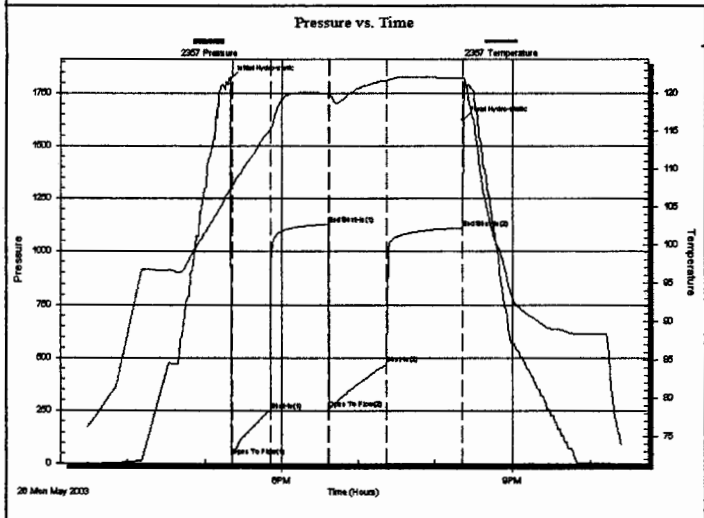
 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT	
	O'Dell-Tomlinson, LLC 11404 Merridale Wichita, Ks 67212 ATTN: Bob O'Dell	Jensen #1 35-11-19-Ellis-Ks Job Ticket: 17013 DST#: 3 Test Start: 2003.05.26 @ 15:29:01

GENERAL INFORMATION:

Formation: Arbuckle	Test Type: Conventional Bottom Hole
Deviated: No Whipstock: ft (KB)	Tester: Dan Bangle
Time Tool Opened: 17:21:01	Unit No: 21
Time Test Ended: 22:24:31	Reference Elevations: 2123.00 ft (KB)
Interval: 3638.00 ft (KB) To 3678.00 ft (KB) (TVD)	2118.00 ft (CF)
Total Depth: 3678.00 ft (KB) (TVD)	KB to GR/CF: 5.00 ft
Hole Diameter: 7.88 inches Hole Condition: Good	

Serial #: 2357 Inside	Capacity: 7000.00 psig
Press@RunDepth: 473.04 psig @ 3639.00 ft (KB)	Last Calib.: 2003.05.26
Start Date: 2003.05.26 End Date: 2003.05.26	Time On Btm: 2003.05.26 @ 17:20:01
Start Time: 15:29:06 End Time: 22:24:30	Time Off Btm: 2003.05.26 @ 20:21:30

TEST COMMENT: IF-Strong BOB in 4 min
 FF-Strong BOB in 6 min
 Times-30-45-45-60



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1820.46	107.55	Initial Hydro-static
1	36.39	107.74	Open To Flow (1)
31	254.23	115.15	Shut-in(1)
77	1129.40	119.97	End Shut-in(1)
78	262.14	119.96	Open To Flow (2)
123	473.04	121.67	Shut-in(2)
181	1111.73	121.97	End Shut-in(2)
182	1624.79	121.98	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
124.00	Sltly mco 10% m 90% o	1.74
1012.00	Heavy oil	14.20

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

O'Dell-Tomlinson, LLC

Jensen #1

11404 Merridale
Wichita, Ks 67212

35-11-19-Ellis-Ks

Job Ticket: 17013

DST#: 3

ATTN: Bob O'Dell

Test Start: 2003.05.26 @ 15:29:01

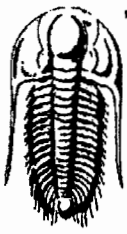
Tool Information

Drill Pipe:	Length: 3622.00 ft	Diameter: 3.80 inches	Volume: 50.81 bbl	Tool Weight: 2400.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 50.81 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3638.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	61.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3618.00	
S.I. Tool	5.00			3623.00	
HMV	5.00			3628.00	
Packer	5.00			3633.00	21.00 Bottom Of Top Packer
Packer	5.00			3638.00	
Stubb	1.00			3639.00	
Recorder	0.00	2357	Inside	3639.00	
Perforations	36.00			3675.00	
Recorder	0.00	13254	Outside	3675.00	
Bullnose	3.00			3678.00	40.00 Bottom Packers & Anchor
Total Tool Length:	61.00				

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DRILL STEM TEST REPORT

FLUID SUMMARY

O'Dell-Tomlinson, LLC
11404 Merridale
Wichita, Ks 67212
ATTN: Bob O'Dell

Jensen #1
35-11-19-Ellis-Ks
Job Ticket: 17013 **DST#: 3**
Test Start: 2003.05.26 @ 15:29:01

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 21 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.39 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2800.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	Silty mco 10%m 90%o	1.739
1012.00	Heavy oil	14.196

Total Length: 1136.00 ft Total Volume: 15.935 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 2357

Inside

O'Dell-Tomlinson, LLC

35-11-19-Ellis-Ks

DST Test Number: 3

Pressure vs. Time

