

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

11404 Merridale
Wichita, Ks. 67212
ORIGINAL

ATTN: Bob O'Dell

13-11s-21w

McKenna # 1

Start Date: 2003.06.02 @ 11:04:17

End Date: 2003.06.02 @ 17:14:47

Job Ticket #: 17226 DST #: 1

RECEIVED

OCT 14 2003

KCC WICHITA

O'Dell Tomlinson, LLC

McKenna # 1

13-11s-21w

DST # 1

L.Kc-B

2003.06.02

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

McKenna # 1

13-11s-21w

Job Ticket: 17226

DST#: 1

Test Start: 2003.06.02 @ 11:04:17

GENERAL INFORMATION:

Formation: **L.Kc.-B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:44:17

Time Test Ended: 17:14:47

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: **3428.00 ft (KB) To 3455.00 ft (KB) (TVD)**

Total Depth: 3455.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2131.00 ft (KB)

2126.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **3227**

Inside

Press@RunDepth: 107.81 psig @ 3432.01 ft (KB)

Start Date: 2003.06.02

End Date:

2003.06.02

Capacity: 7000.00 psig

Last Calib.: 2003.06.02

Start Time: 11:04:18

End Time:

17:14:47

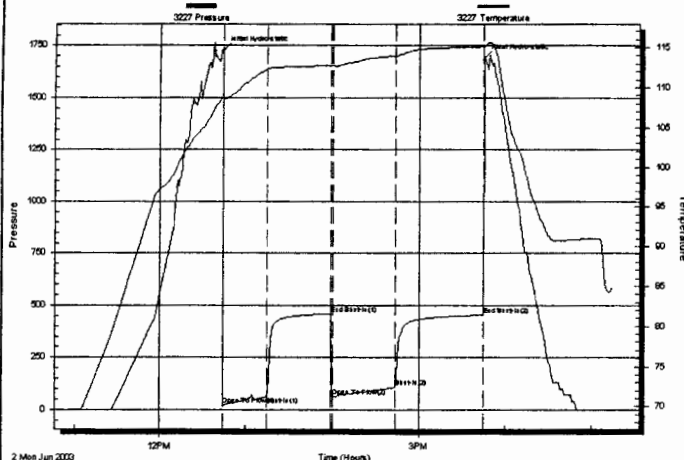
Time On Btm: 2003.06.02 @ 12:44:02

Time Off Btm: 2003.06.02 @ 15:45:32

TEST COMMENT: IF-Good to Strong B.O.B. 8 min.
FF-Strong B.O.B. 6 min.

ISI-Weak blow back.
FSI-Good blow back 6" in

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1728.77	108.66	Initial Hydro-static
1	20.51	108.57	Open To Flow (1)
31	61.44	112.29	Shut-In (1)
76	459.87	112.74	End Shut-In (1)
77	63.91	112.71	Open To Flow (2)
120	107.81	113.95	Shut-In (2)
181	453.46	115.08	End Shut-In (2)
182	1693.78	115.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	foggy oil	0.87
188.00	G.C-free oil 10% gas 90% oil	2.64
0.00	1180 gas in pipe	0.00

Gas Rates

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


**TRILOBITE
TESTING, INC.**
DRILL STEM TEST REPORT
TOOL DIAGRAM

O'Dell Tomlinson, LLC

McKenna # 1

 11404 Merridale
 Wichita, Ks. 67212

13-11s-21w

Job Ticket: 17226

DST#: 1

ATTN: Bob O'Dell

Test Start: 2003.06.02 @ 11:04:17

Tool Information

Drill Pipe:	Length: 3435.00 ft	Diameter: 3.80 inches	Volume: 48.18 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 48.18 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3428.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.02 ft			
Tool Length:	47.02 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			3409.00	
S.I. Tool	5.00			3414.00	
HMV	5.00			3419.00	
Packer	4.00			3423.00	20.00 Bottom Of Top Packer
Packer	5.00			3428.00	
Stubb	1.00			3429.00	
Perforations	3.00			3432.00	
Recorder	0.01	3227	Inside	3432.01	
Perforations	20.00			3452.01	
Recorder	0.01	13308	Outside	3452.02	
Bullnose	3.00			3455.02	27.02 Bottom Packers & Anchor

Total Tool Length: 47.02

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	O'Dell Tomlinson, LLC		McKenna # 1
	11404 Merridale Wichita, Ks. 67212		13-11s-21w
	ATTN: Bob O'Dell		Job Ticket: 17226 DST#: 1 Test Start: 2003.06.02 @ 11:04:17

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.78 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	foggy oil	0.870
188.00	G.C-free oil 10%gas 90%oil	2.637
0.00	1180 gas in pipe	0.000

Total Length: 250.00 ft	Total Volume: 3.507 bbl	
Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:
Laboratory Name:	Laboratory Location:	
Recovery Comments:		

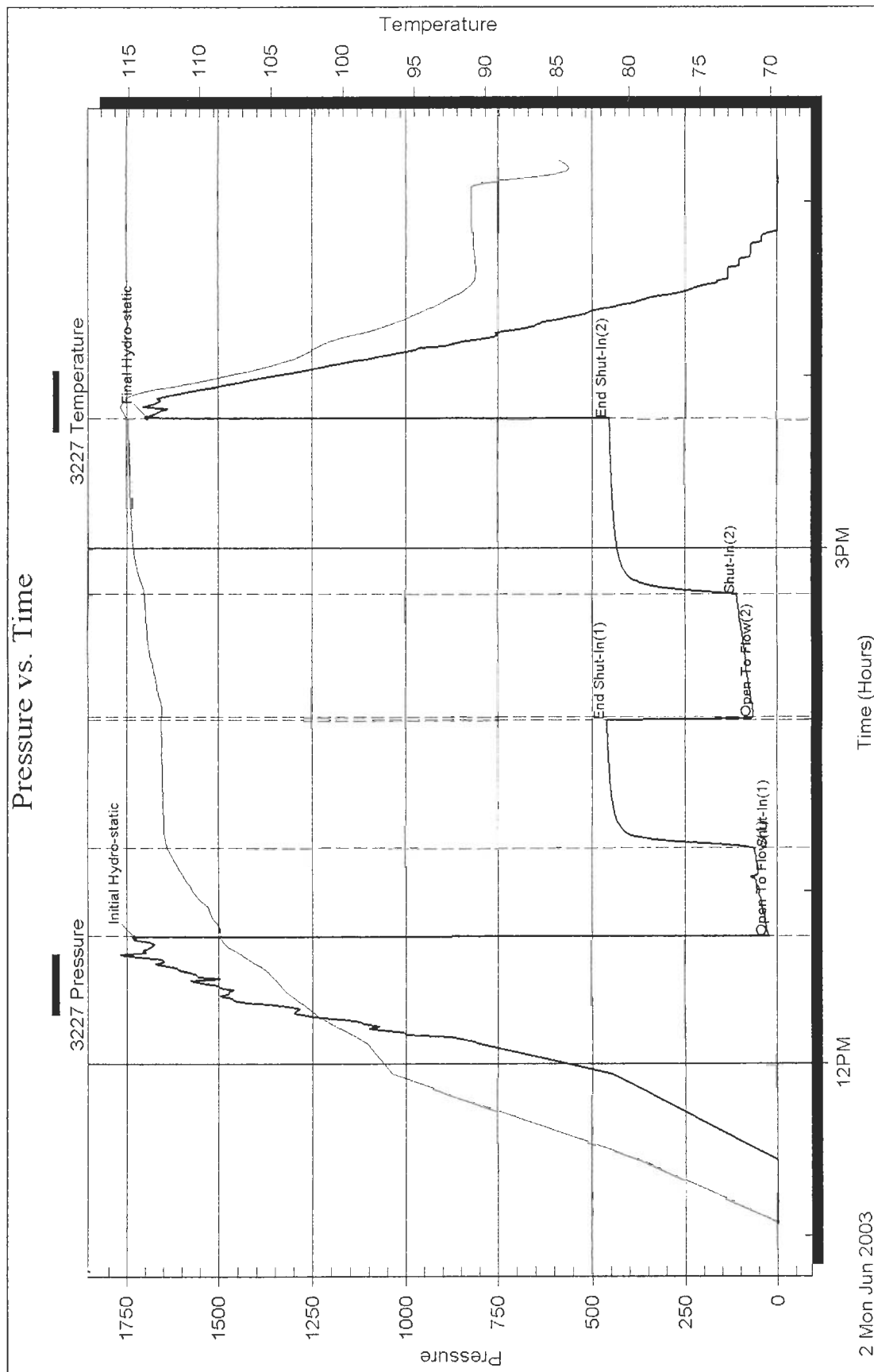
DST Test Number: 1

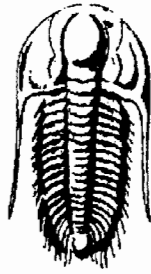
13-11s-21w

Inside O'Dell Tomlinson, LLC

Serial #: 3227

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

11404 Merridale
Wichita, Ks. 67212

ATTN: Bob O'Dell

13-11s-21w

McKenna # 1

Start Date: 2003.06.03 @ 09:33:05

End Date: 2003.06.03 @ 14:35:05

Job Ticket #: 17227

DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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KCC WICHITA


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

O'Dell Tomlinson, LLC

McKenna # 1

11404 Merridale
Wichita, Ks. 67212

13-11s-21w

Job Ticket: 17227

DST#: 2

ATTN: Bob O'Dell

Test Start: 2003.06.03 @ 09:33:05

GENERAL INFORMATION:

Formation: L.Kc.-H-I-J

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:17:05

Time Test Ended: 14:35:05

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: 3528.00 ft (KB) To 3593.00 ft (KB) (TVD)

Total Depth: 3593.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2131.00 ft (KB)

2126.00 ft (CF)

KB to GRVCF: 5.00 ft

Serial #: 3227

Inside

Press@RunDepth: 19.95 psig @ 3533.01 ft (KB)

Start Date: 2003.06.03

End Date:

2003.06.03

Capacity: 7000.00 psig

Last Calib.: 2003.06.03

Start Time: 09:33:06

End Time:

14:35:05

Time On Btm: 2003.06.03 @ 11:16:50

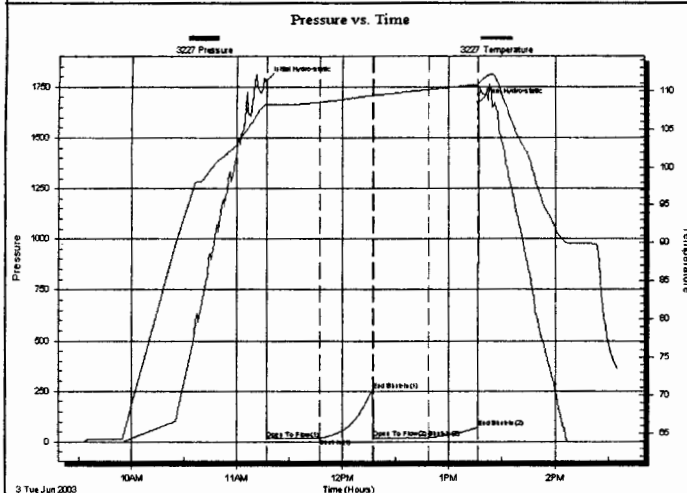
Time Off Btm: 2003.06.03 @ 13:16:50

TEST COMMENT: IF-Weak surface blow Dead 23 min.

ISI-Dead

FF-Dead

FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1781.36	108.26	Initial Hydro-static
1	15.48	108.21	Open To Flow (1)
31	18.77	108.52	Shut-In(1)
61	252.64	109.39	End Shut-In(1)
61	17.78	109.39	Open To Flow (2)
92	19.95	110.12	Shut-In(2)
120	71.80	110.77	End Shut-In(2)
120	1674.52	110.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	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

O'Dell Tomlinson, LLC

McKenna # 1

11404 Merridale
Wichita, Ks. 67212

13-11s-21w

Job Ticket: 17227

DST#: 2

ATTN: Bob O'Dell

Test Start: 2003.06.03 @ 09:33:05

Tool Information

Drill Pipe:	Length: 3528.00 ft	Diameter: 3.80 inches	Volume: 49.49 bbl	Tool Weight:	3000.00 lb	
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb	
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	55000.00 lb	
			Total Volume:	49.49 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	53000.00 lb	
Depth to Top Packer:	3528.00 ft			Final	53000.00 lb	
Depth to Bottom Packer:	ft					
Interval between Packers:	65.02 ft					
Tool Length:	85.02 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			3509.00	
S.I. Tool	5.00			3514.00	
HMV	5.00			3519.00	
Packer	4.00			3523.00	20.00 Bottom Of Top Packer
Packer	5.00			3528.00	
Stubb	1.00			3529.00	
Perforations	3.00			3532.00	
C.O. Sub	1.00			3533.00	
Recorder	0.01	3227	Inside	3533.01	
Blank Spacing	31.00			3564.01	
C.O. Sub	1.00			3565.01	
Perforations	25.00			3590.01	
Recorder	0.01	13308	Outside	3590.02	
Bullnose	3.00			3593.02	65.02 Bottom Packers & Anchor

Total Tool Length: 85.02

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	O'Dell Tomlinson, LLC 11404 Merridale Wichita, Ks. 67212 ATTN: Bob O'Dell	McKenna # 1 13-11s-21w Job Ticket: 17227 DST#: 2 Test Start: 2003.06.03 @ 09:33:05	

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: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.76 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information		
Recovery Table		
Length ft	Description	Volume bbl
5.00	Drilling Mud	0.070

Total Length: 5.00 ft	Total Volume: 0.070 bbl	
Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:
Laboratory Name:	Laboratory Location:	
Recovery Comments:		

DST Test Number: 2

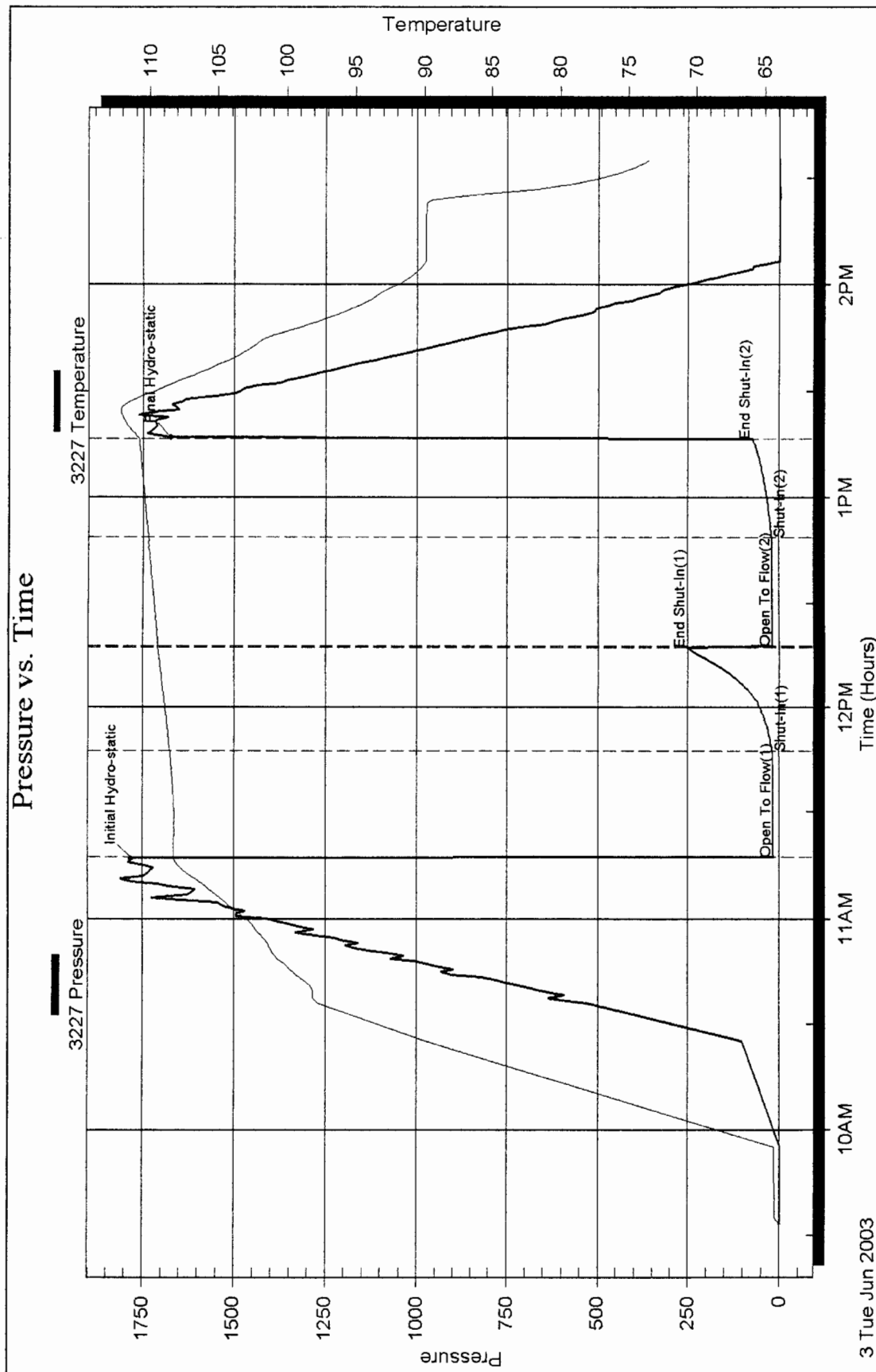
13-11s-21w

O'Dell Tortinon, LLC

Inside

Serial #: 3227

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

11404 Merridale
Wichita, Ks. 67212

ATTN: Bob O'Dell

13-11s-21w

McKenna # 1

Start Date: 2003.06.03 @ 21:46:06

End Date: 2003.06.04 @ 02:45:06

Job Ticket #: 17228 DST #: 3

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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

McKenna # 1

13-11s-21w

Job Ticket: 17228

DST#: 3

Test Start: 2003.06.03 @ 21:46:06

GENERAL INFORMATION:

Formation: **L.Kc.-K & L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:30:36

Time Test Ended: 02:45:06

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: **3588.00 ft (KB) To 3624.00 ft (KB) (TVD)**

Reference Elevations: 2131.00 ft (KB)

Total Depth: 3624.00 ft (KB) (TVD)

2126.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 3227

Inside

Press@RunDepth: 15.86 psig @ 3592.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2003.06.03

End Date:

2003.06.04

Last Calib.:

2003.06.04

Start Time: 21:46:07

End Time:

02:45:06

Time On Btm:

2003.06.03 @ 23:30:06

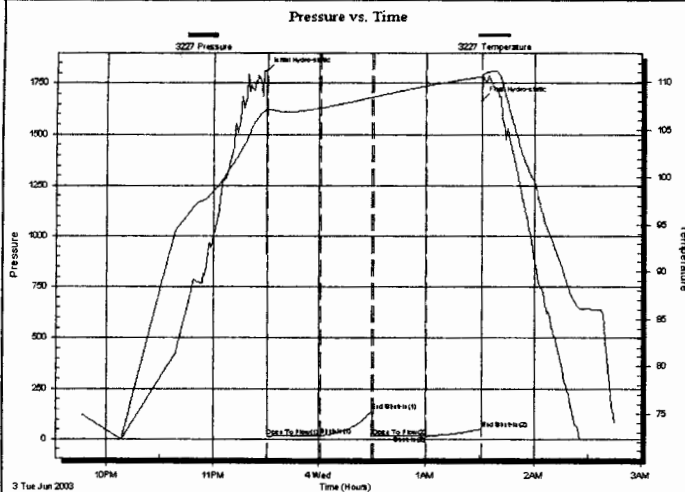
Time Off Btm:

2003.06.04 @ 01:31:06

TEST COMMENT: IF-Weak Surface Dead 17 min.
FF-Dead

ISI-Dead

FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1808.64	107.17	Initial Hydro-static
1	14.92	107.08	Open To Flow (1)
31	16.94	107.29	Shut-In(1)
60	140.49	108.43	End Shut-In(1)
61	15.58	108.44	Open To Flow (2)
91	15.86	109.61	Shut-In(2)
121	51.67	110.59	End Shut-In(2)
121	1665.16	110.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	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

O'Dell Tomlinson, LLC

McKenna # 1

11404 Merridale
Wichita, Ks. 67212

13-11s-21w

Job Ticket: 17228

DST#: 3

ATTN: Bob O'Dell

Test Start: 2003.06.03 @ 21:46:06

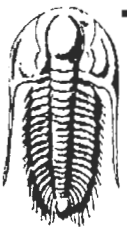
Tool Information

Drill Pipe:	Length: 3591.00 ft	Diameter: 3.80 inches	Volume: 50.37 bbl	Tool Weight:	2700.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	56000.00 lb
			Total Volume: 50.37 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	53000.00 lb
Depth to Top Packer:	3588.00 ft			Final	53000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	36.02 ft				
Tool Length:	56.02 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			3569.00	
S.I. Tool	5.00			3574.00	
HMV	5.00			3579.00	
Packer	4.00			3583.00	20.00 Bottom Of Top Packer
Packer	5.00			3588.00	
Stubb	1.00			3589.00	
Perforations	3.00			3592.00	
Recorder	0.01	3227	Inside	3592.01	
Perforations	29.00			3621.01	
Recorder	0.01	13308	Outside	3621.02	
Bullnose	3.00			3624.02	36.02 Bottom Packers & Anchor

Total Tool Length: 56.02

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	O'Dell Tomlinson, LLC 11404 Merridale Wichita, Ks. 67212 ATTN: Bob O'Dell		McKenna # 1 13-11s-21w Job Ticket: 17228 DST#: 3 Test Start: 2003.06.03 @ 21:46:06

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: 8.77 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

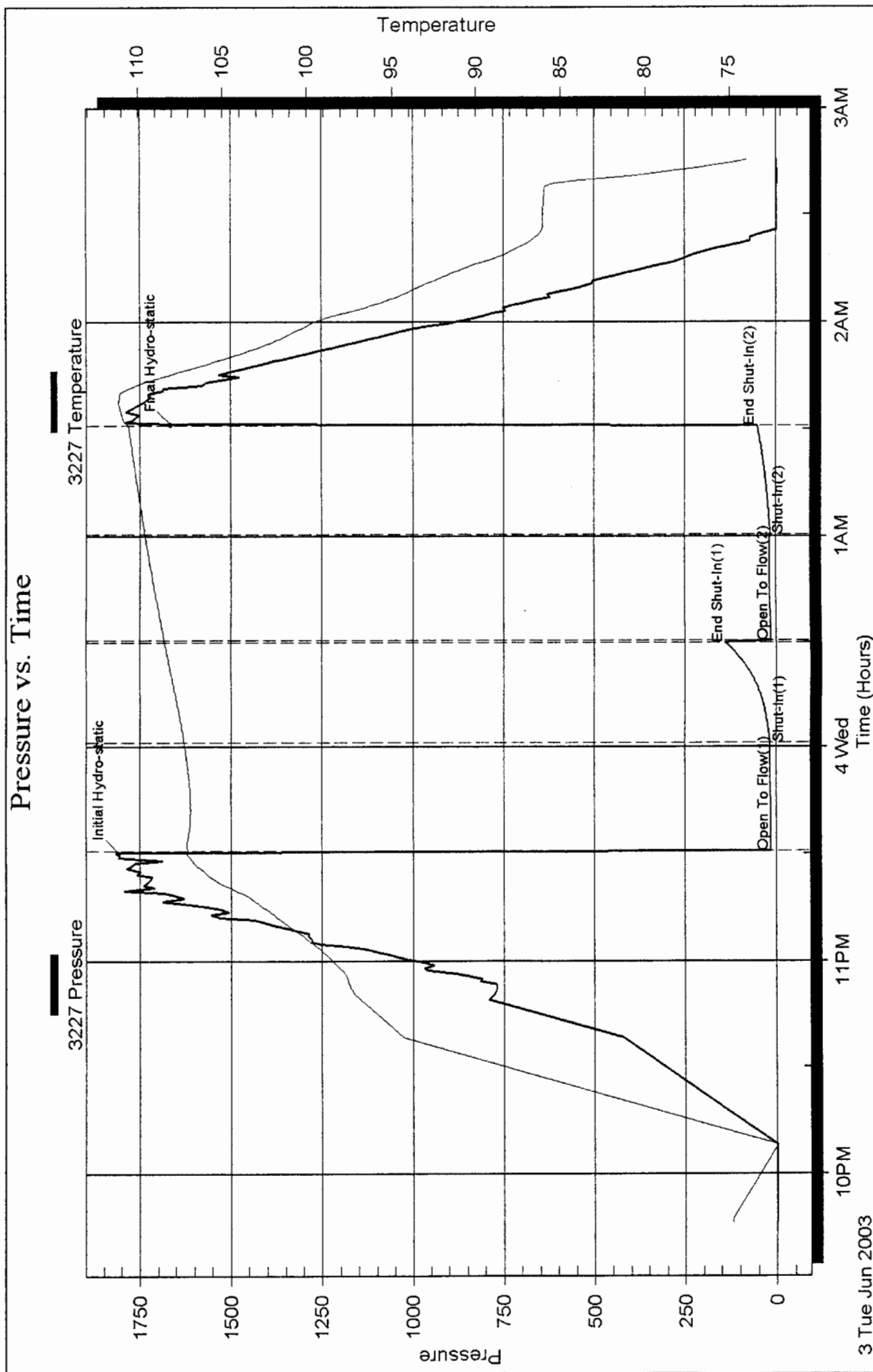
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling Mud	0.070

Total Length: 5.00 ft	Total Volume: 0.070 bbl	
Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:
Laboratory Name:	Laboratory Location:	
Recovery Comments:		

Serial #: 3227





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

11404 Merridale
Wichita, Ks. 67212

ATTN: Bob O'Dell

13-11s-21w

McKenna # 1

Start Date: 2003.06.04 @ 14:09:09

End Date: 2003.06.04 @ 20:56:24

Job Ticket #: 17229

DST #: 4

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

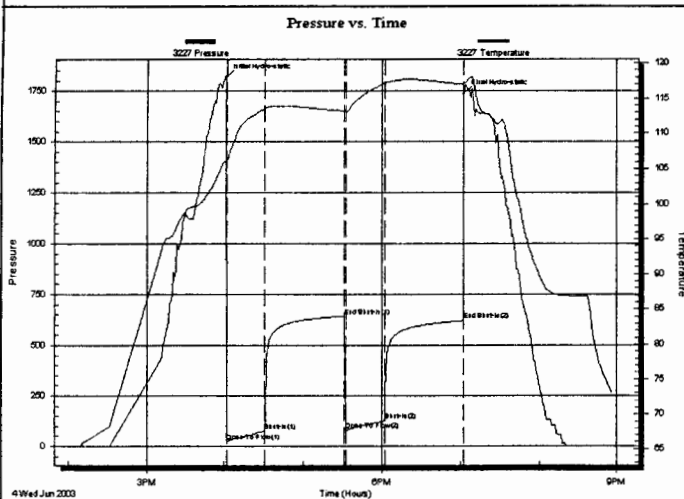
 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT	
	O'Dell Tomlinson, LLC	McKenna # 1
	11404 Merridale Wichita, Ks. 67212	13-11s-21w
ATTN: Bob O'Dell	Job Ticket: 17229	DST#: 4
	Test Start: 2003.06.04 @ 14:09:09	

GENERAL INFORMATION:

Formation: Arbuckle Deviated: No Whipstock: ft (KB) Time Tool Opened: 16:01:54 Time Test Ended: 20:56:24 Interval: 3658.00 ft (KB) To 3708.00 ft (KB) (TVD) Total Depth: 3708.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair	Test Type: Conventional Bottom Hole Tester: John Schmidt Unit No: 18 Reference Elevations: 2131.00 ft (KB) 2126.00 ft (CF) KB to GR/CF: 5.00 ft
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Serial #: 3227	Inside	
Press@RunDepth: 126.85 psig @ 3663.01 ft (KB)	Capacity: 7000.00 psig	
Start Date: 2003.06.04 End Date: 2003.06.04	Last Calib.: 2003.06.05	
Start Time: 14:09:10 End Time: 20:56:24	Time On Btm: 2003.06.04 @ 16:01:24	
	Time Off Btm: 2003.06.04 @ 19:02:09	

TEST COMMENT: IF-Good to Strong B.O.B. 15 min. IS-Good blow back 1" in
 FF-Good to Strong B.O.B. 18 min. FSI-Good blow back 1&1/2" in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1817.87	106.29	Initial Hydro-static
1	23.13	106.28	Open To Flow (1)
30	75.12	113.53	Shut-In(1)
90	643.13	113.22	End Shut-In(1)
91	78.43	113.15	Open To Flow (2)
121	126.85	117.17	Shut-In(2)
181	620.66	116.95	End Shut-In(2)
181	1734.68	117.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	G-C-M-O--20%G-30%M-50%oil	0.84
225.00	gassy oil 10%gas 90%oil	3.16
0.00	275 gas in pipe	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

O'Dell Tomlinson, LLC

11404 Merridale
Wichita, Ks. 67212

ATTN: Bob O'Dell

McKenna # 1

13-11s-21w

Job Ticket: 17229

DST#: 4

Test Start: 2003.06.04 @ 14:09:09

Tool Information

Drill Pipe:	Length: 3654.00 ft	Diameter: 3.80 inches	Volume: 51.26 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			Total Volume: 51.26 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	54000.00 lb
Depth to Top Packer:	3658.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.02 ft				
Tool Length:	72.02 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			3637.00	
S.I. Tool	5.00			3642.00	
HMV	5.00			3647.00	
Safety Joint	2.00			3649.00	
Packer	4.00			3653.00	22.00 Bottom Of Top Packer
Packer	5.00			3658.00	
Stubb	1.00			3659.00	
Perforations	3.00			3662.00	
C.O. Sub	1.00			3663.00	
Recorder	0.01	3227	Inside	3663.01	
Blank Spacing	31.00			3694.01	
C.O. Sub	1.00			3695.01	
Perforations	10.00			3705.01	
Recorder	0.01	13308	Outside	3705.02	
Bullnose	3.00			3708.02	50.02 Bottom Packers & Anchor

Total Tool Length: 72.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

O'Dell Tomlinson, LLC

McKenna # 1

11404 Merridale
Wichita, Ks. 67212

13-11s-21w

Job Ticket: 17229

DST#: 4

ATTN: Bob O'Dell

Test Start: 2003.06.04 @ 14:09:09

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 9.19 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

33 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	G-C-M-O--20%G-30%M-50%oil	0.842
225.00	gassy oil 10%gas 90%oil	3.156
0.00	275 gas in pipe	0.000

Total Length: 285.00 ft

Total Volume: 3.998 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

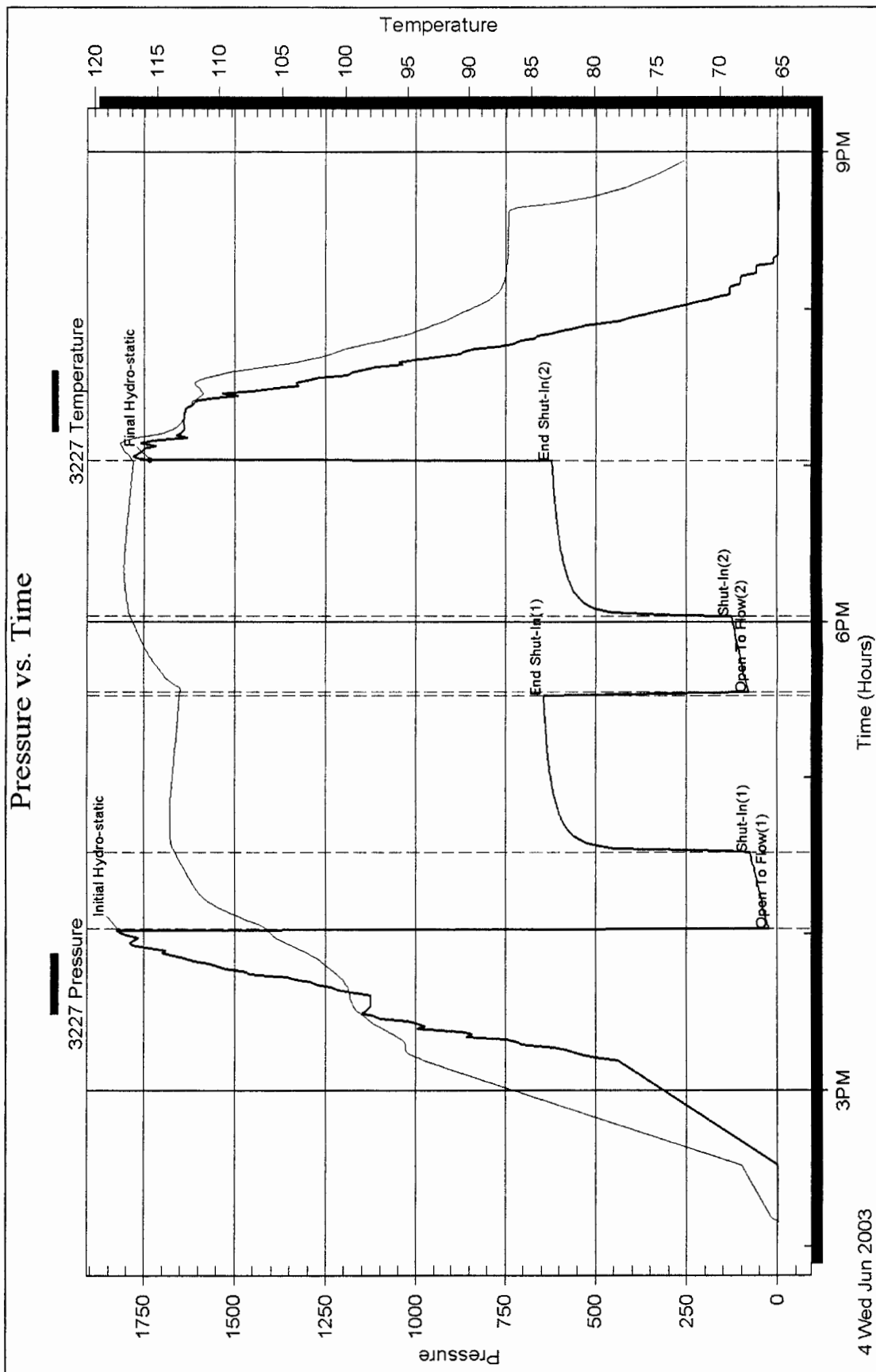
DST Test Number: 4

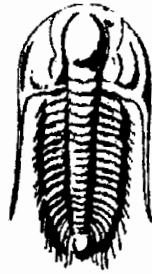
13-11s-21w

O'Dell Tomlinson, LLC

Inside

Serial #: 3227





TRILOBITE
TESTING, INC.

RECEIVED

OCT 14 2003

DRILL STEM TEST REPORT

KCC WICHITA

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

11404 Merridale
Wichita, Ks. 67212

ATTN: Bob O'Dell

13-11s-21w

McKenna # 1

Start Date: 2003.06.05 @ 02:51:11

End Date: 2003.06.05 @ 09:26:26

Job Ticket #: 17230 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

99768


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

O'Dell Tomlinson, LLC

McKenna # 1

11404 Merridale
Wichita, Ks. 67212

13-11s-21w

Job Ticket: 17230

DST#: 5

ATTN: Bob O'Dell

Test Start: 2003.06.05 @ 02:51:11

GENERAL INFORMATION:

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

Time Tool Opened: 04:31:26

Time Test Ended: 09:26:26

Test Type: **Conventional Bottom Hole**Tester: **John Schmidt**Unit No: **18**Interval: **3709.00 ft (KB) To 3725.00 ft (KB) (TVD)**Total Depth: **3725.00 ft (KB) (TVD)**Hole Diameter: **7.88 inches** Hole Condition: **Fair**Reference Elevations: **2131.00 ft (KB)****2126.00 ft (CF)**KB to GR/CF: **5.00 ft**Serial #: **3227**

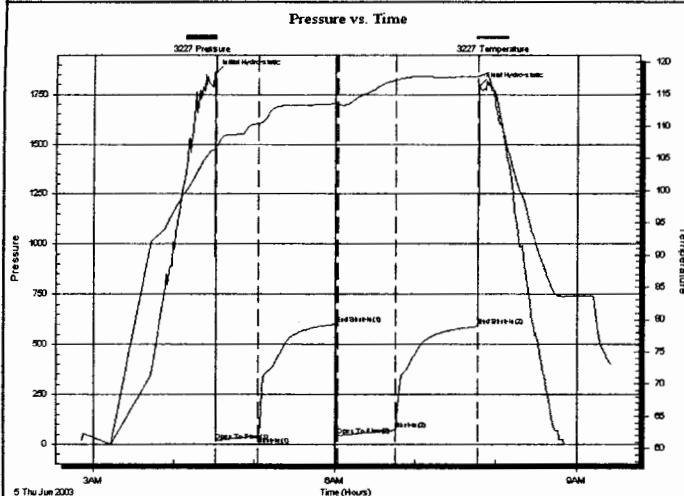
Inside

Press@RunDepth: **70.86 psig @ 3710.01 ft (KB)**Start Date: **2003.06.05**

End Date:

2003.06.05Capacity: **7000.00 psig**Last Calib.: **2003.06.05**Start Time: **02:51:12**

End Time:

09:26:26Time On Btm: **2003.06.05 @ 04:31:11**Time Off Btm: **2003.06.05 @ 07:47:56**TEST COMMENT: **IF-Weak to Fair built to 8" in****ISI-Dead****FF-Weak to Fair built to 9" in****FSI-Very weak blow back**

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1855.12	106.77	Initial Hydro-static
1	16.74	106.72	Open To Flow (1)
32	39.71	110.43	Shut-In (1)
90	601.60	113.59	End Shut-In (1)
91	41.92	113.48	Open To Flow (2)
135	70.86	117.21	Shut-In (2)
196	591.20	117.73	End Shut-In (2)
197	1794.02	117.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	G-M-C-oil--10%G-40%M-50%oil	0.42
120.00	gassy oil 5%gas 95%oil	1.68
0.00	60' gas in pipe	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

O'Dell Tomlinson, LLC

McKenna # 1

11404 Merridale
Wichita, Ks. 67212

13-11s-21w

Job Ticket: 17230

DST#: 5

ATTN: Bob O'Dell

Test Start: 2003.06.05 @ 02:51:11

Tool Information

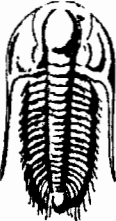
Drill Pipe:	Length: 3717.00 ft	Diameter: 3.80 inches	Volume: 52.14 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	65000.00 lb
		Total Volume:	52.14 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	54000.00 lb
Depth to Top Packer:	3709.00 ft			Final	54000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	16.02 ft				
Tool Length:	38.02 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			3688.00	
S.I. Tool	5.00			3693.00	
HMV	5.00			3698.00	
Safety Joint	2.00			3700.00	
Packer	4.00			3704.00	22.00 Bottom Of Top Packer
Packer	5.00			3709.00	
Stubb	1.00			3710.00	
Recorder	0.01	3227	Inside	3710.01	
Perforations	12.00			3722.01	
Recorder	0.01	13308	Outside	3722.02	
Bullnose	3.00			3725.02	16.02 Bottom Packers & Anchor

Total Tool Length: 38.02

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	O'Dell Tomlinson, LLC 11404 Merridale Wichita, Ks. 67212 ATTN: Bob O'Dell	McKenna # 1 13-11s-21w Job Ticket: 17230 DST#: 5 Test Start: 2003.06.05 @ 02:51:11	

Mud and Cushion Information			
Mud Type: Gel Chem	Cushion Type:	Oil API:	33 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information		
Recovery Table		
Length ft	Description	Volume bbl
30.00	G-M-C-oil--10%G-40%M-50%oil	0.421
120.00	gassy oil 5%gas 95%oil	1.683
0.00	60' gas in pipe	0.000

Total Length: 150.00 ft	Total Volume: 2.104 bbl
Num Fluid Samples: 0	Num Gas Bombs: 0 Serial #:
Laboratory Name:	Laboratory Location:
Recovery Comments:	

DST Test Number: 5

13-11s-21w

O'Dell Tomlinson, LLC

Inside

Serial #: 3227

Pressure vs. Time

