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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc.**

PO Box 352
Russell, KS 67665

ORIGINAL

ATTN: John o Farmer

2-16-27 Lane,Ks

Offner #1

Start Date: 2003.05.07 @ 04:10:44

End Date: 2003.05.07 @ 12:28:12

Job Ticket #: 16261 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc.

Offner #1

2-16-27 Lane,Ks

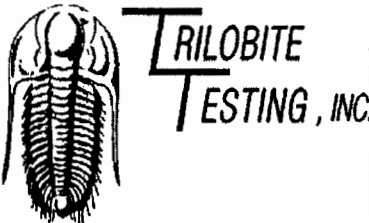
DST # 1

"E"

2003.05.07

CONFIDENTIAL

80052
ORIGINAL

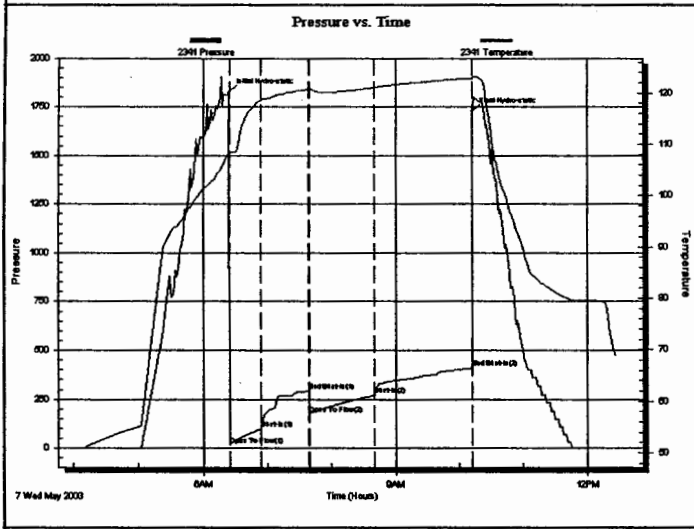
	DRILL STEM TEST REPORT	
	John O Farmer Inc. PO Box 352 Russell, KS 67665 ATTN: John o Farmer	Offner #1 2-16-27 Lane, Ks Job Ticket: 16261 DST#: 1 Test Start: 2003.05.07 @ 04:10:44

GENERAL INFORMATION:

Formation: "E"	KCC	Test Type: Conventional Bottom Hole
Deviated: No Whipstock: ft (KB)	CONFIDENTIAL	Tester: Shane McBride
Time Tool Opened: 06:24:42		Unit No: 25
Time Test Ended: 12:28:12		
Interval: 3853.00 ft (KB) To 3875.00 ft (KB) (TVD)		Reference Elevations: 2520.00 ft (KB)
Total Depth: 3875.00 ft (KB) (TVD)		2512.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 8.00 ft

Serial #: 2341	Inside				
Press@RunDepth: 271.43 psig @ 3854.00 ft (KB)	Capacity: 7000.00 psig				
Start Date: 2003.05.07	End Date: 2003.05.07	Last Calib.: 1899.12.30			
Start Time: 04:10:44	End Time: 12:28:12	Time On Btmr: 2003.05.07 @ 06:24:27			
		Time Off Btmr: 2003.05.07 @ 10:12:42			

TEST COMMENT: B.O.B. in 8 min.
 Bleed off for 3 min. back to B.O.B. in 20 min.
 B.O.B. @ open
 Bleed off for 3 min. back to B.O.B. in 21 min.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1822.82	108.10	Initial Hydro-static
1	18.44	108.16	Open To Flow (1)
30	100.40	118.59	Shut-In(1)
75	293.32	120.81	End Shut-In(1)
75	176.20	120.84	Open To Flow (2)
136	271.43	121.05	Shut-In(2)
228	412.82	122.82	End Shut-In(2)
229	1727.39	122.85	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
210.00	s o c g w 3%o 20%g 77%w	2.67
30.00	s m & w c g o 10%m 15%w 25%g 50%o	0.42
90.00	m c g o 25%m 25%g 50%o	1.26
540.00	c g o 25%g 75%o	7.57

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc.

Offner #1

PO Box 352
Russell, KS 67665

2-16-27 Lane, Ks

Job Ticket: 16261

DST#: 1

ATTN: John o Farmer

Test Start: 2003.05.07 @ 04:10:44

Tool Information

Drill Pipe:	Length: 3821.00 ft	Diameter: 3.80 inches	Volume: 53.60 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: 30000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 53.75 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3853.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

CONFIDENTIAL

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3834.00	
S.I. Tool	5.00			3839.00	
HMV	5.00			3844.00	
Packer	5.00			3849.00	20.00 Bottom Of Top Packer
Packer	4.00			3853.00	
Stubb	1.00			3854.00	
Recorder	0.00	2341	Inside	3854.00	
Perforations	16.00			3870.00	
Recorder	0.00	11058	Outside	3870.00	
Bullnose	5.00			3875.00	22.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc.

Offner #1

PO Box 352
Russell, KS 67665

2-16-27 Lane, Ks

Job Ticket: 16261

DST#: 1

ATTN: John o Farmer

Test Start: 2003.05.07 @ 04:10:44

Mud and Cushion Information

Mud Type: Gel Chem
 Mud Weight: 9.00 lb/gal
 Viscosity: 39.00 sec/qt
 Water Loss: 9.53 in³
 Resistivity: 0.00 ohm.m
 Salinity: 1700.00 ppm
 Filter Cake: 1.00 inches

Cushion Type:
 Cushion Length: ft
 Cushion Volume: bbl
 Gas Cushion Type:
 Gas Cushion Pressure: psig

Oil API: 37 deg API
 Water Salinity: 35500 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	s o c g w 3%o 20%g 77%w	2.672
30.00	s m & w c g o 10%m 15%w 25%g 50%o	0.421
90.00	m c g o 25%m 25%g 50%o	1.262
540.00	c g o 25%g 75%o	7.575

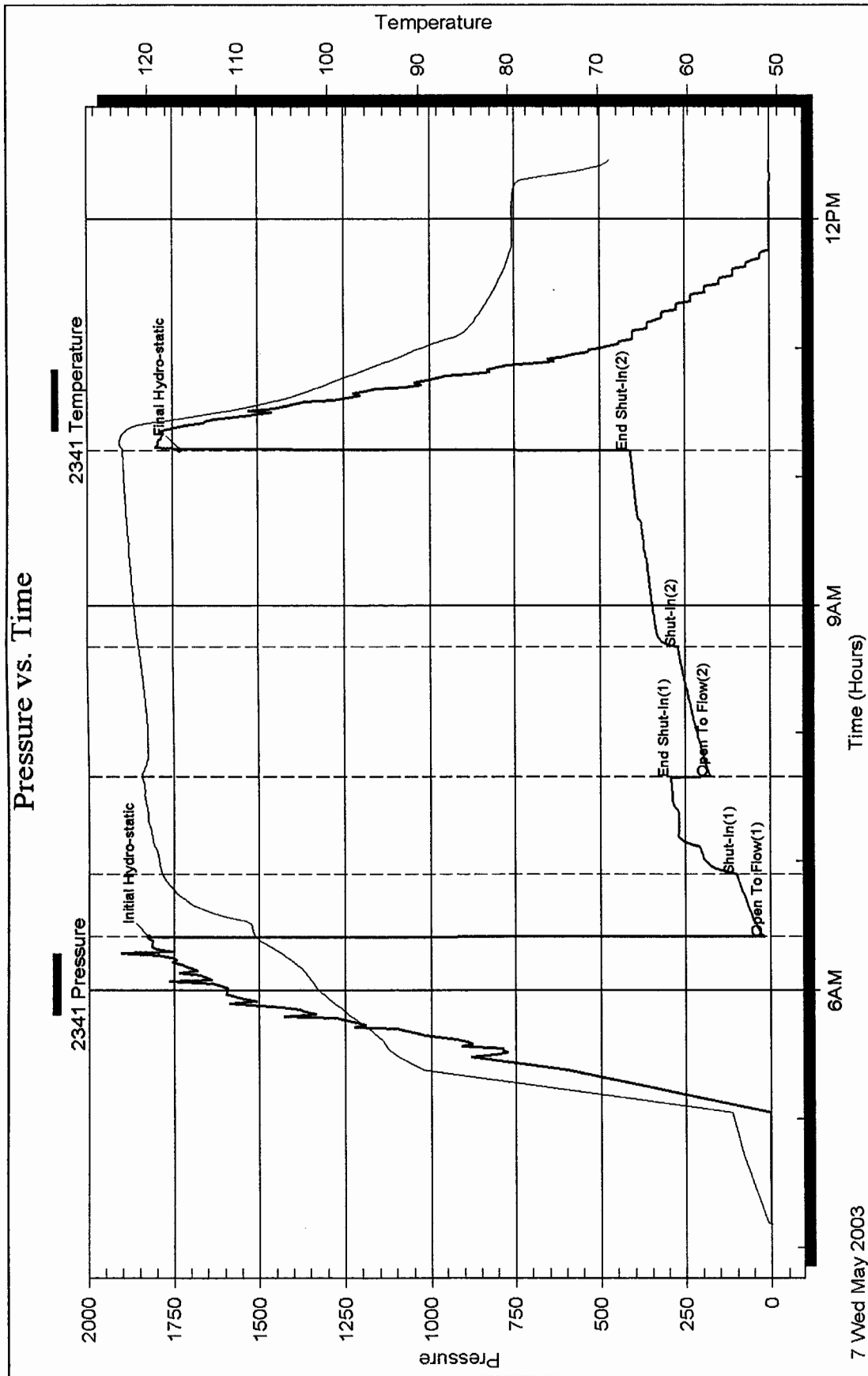
Total Length: 870.00 ft Total Volume: 11.930 bbl

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

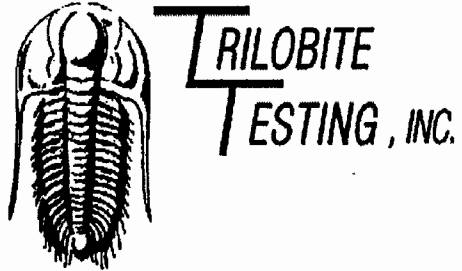
Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time



7 Wed May 2003



DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc.**

PO Box 352
Russell, KS 67665

ATTN: John o Farmer

2-16-27 Lane,Ks

Offner #1

Start Date: 2003.05.08 @ 00:34:56

End Date: 2003.05.08 @ 06:02:54

Job Ticket #: 16262 DST #: 2

John O Farmer Inc.

Offner #1


2-16-27 Lane,Ks

DST # 2

H-1

2003.05.08

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 Inc.
 PO Box 352
 Russell, KS 67665
 ATTN: John o Farmer

Offner #1
2-16-27 Lane, Ks
 Job Ticket: 16262 **DST#: 2**
 Test Start: 2003.05.08 @ 00:34:56

GENERAL INFORMATION:

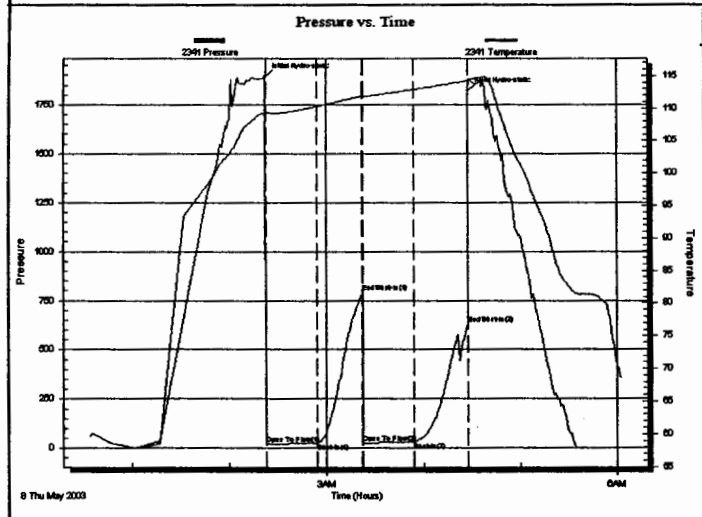
Formation: **HI**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **02:23:09** Tester: **Shane McBride**
 Time Test Ended: **06:02:54** Unit No: **25**

Interval: **3928.00 ft (KB) To 3980.00 ft (KB) (TVD)** Reference Elevations: **2520.00 ft (KB)**
 Total Depth: **3980.00 ft (KB) (TVD)** **2512.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **8.00 ft**

Serial #: 2341 **Inside**

Press@RunDepth: **30.68 psig @ 3929.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2003.05.08** End Date: **2003.05.08** Last Calib.: **1899.12.30**
 Start Time: **00:34:56** End Time: **06:02:54** Time On Btm: **2003.05.08 @ 02:22:54**
 Time Off Btm: **2003.05.08 @ 04:27:39**

TEST COMMENT: Weak surface blow
 No return
 Bubble to open tool, No blow
 No return



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1892.15	109.33	Initial Hydro-static
1	19.85	109.33	Open To Flow (1)
32	25.37	110.28	Shut-In(1)
60	792.78	111.86	End Shut-In(1)
60	26.72	111.89	Open To Flow(2)
91	30.68	112.87	Shut-In(2)
125	629.90	114.20	End Shut-In(2)
125	1819.37	114.21	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
10.00	mud w/oil spots	0.05

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc.

Offner #1

PO Box 352
Russell, KS 67665

2-16-27 Lane, Ks

Job Ticket: 16262

DST#: 2

ATTN: John o Farmer

Test Start: 2003.05.08 @ 00:34:56

Tool Information

Drill Pipe:	Length: 3910.00 ft	Diameter: 3.80 inches	Volume: 54.85 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: 30000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 55.00 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3928.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	72.00 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			3909.00	
S.I. Tool	5.00			3914.00	
HMV	5.00			3919.00	
Packer	5.00			3924.00	20.00 Bottom Of Top Packer
Packer	4.00			3928.00	
Stubb	1.00			3929.00	
Recorder	0.00	2341	Inside	3929.00	
Perforations	12.00			3941.00	
C.O. Sub	1.00			3942.00	
drillpipe	32.00			3974.00	
C.O. Sub	1.00			3975.00	
Recorder	0.00	11058	Outside	3975.00	
Bullnose	5.00			3980.00	52.00 Bottom Packers & Anchor

Total Tool Length: 72.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc.

Offner #1

PO Box 352
Russell, KS 67665

2-16-27 Lane, Ks

Job Ticket: 16262 **DST#: 2**

ATTN: John o Farmer

Test Start: 2003.05.08 @ 00:34:56

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:	2000 ppm
Viscosity: 40.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.54 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud w/oil spots	0.049

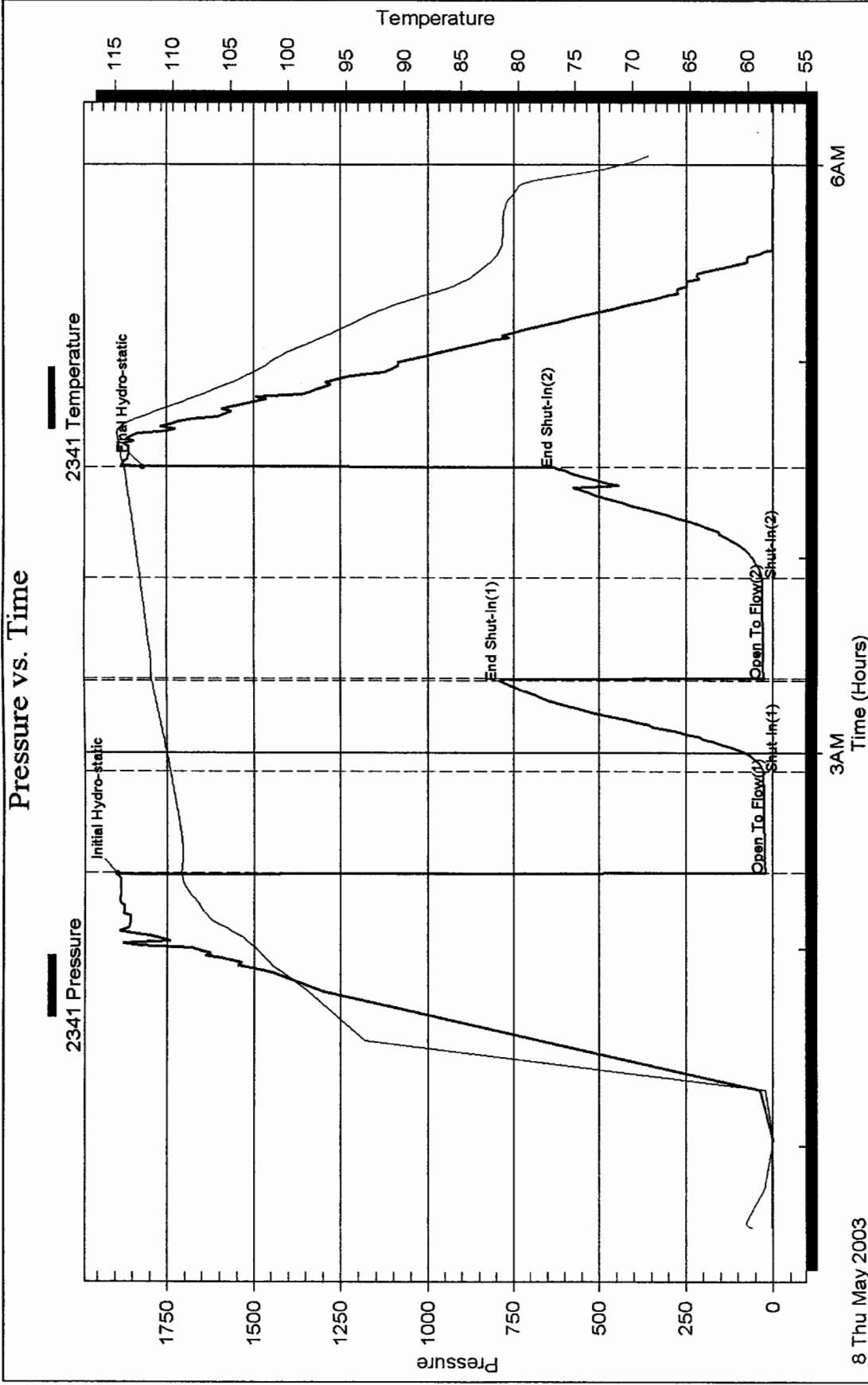
Total Length: 10.00 ft Total Volume: 0.049 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc.**

PO Box 352
Russell, KS 67665

ATTN: John o Farmer

2-16-27 Lane,Ks

Offner #1

Start Date: 2003.05.08 @ 15:32:34

End Date: 2003.05.08 @ 22:56:47

Job Ticket #: 16263 DST #: 3

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

John O Farmer Inc.

Offner #1

2-16-27 Lane,Ks

DST # 3

K

2003.05.08



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc.
 PO Box 352
 Russell, KS 67665
 ATTN: John o Farmer

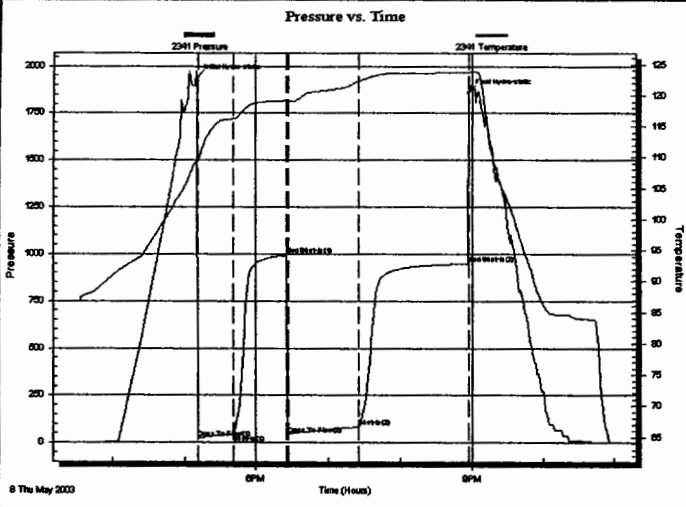
Offner #1
2-16-27 Lane, Ks
 Job Ticket: 16263 **DST#: 3**
 Test Start: 2003.05.08 @ 15:32:34

GENERAL INFORMATION:

Formation: **K**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **17:11:02** Tester: **Shane McBride**
 Time Test Ended: **22:56:47** Unit No: **25**
 Interval: **4016.00 ft (KB) To 4050.00 ft (KB) (TVD)** Reference Elevations: **2520.00 ft (KB)**
 Total Depth: **4050.00 ft (KB) (TVD)** **2512.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **8.00 ft**

Serial #: 2341 **Inside**
 Press@RunDepth: **83.13 psig @ 4017.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2003.05.08** End Date: **2003.05.08** Last Calib.: **1899.12.30**
 Start Time: **15:32:34** End Time: **22:56:47** Time On Btm: **2003.05.08 @ 17:10:47**
 Time Off Btm: **2003.05.08 @ 20:57:02**

TEST COMMENT: B.O.B. in 8 min.
 No return
 B.O.B. in 2 1/2 min.
 No return



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1939.16	109.52	Initial Hydro-static
1	19.45	109.58	Open To Flow (1)
30	43.64	116.21	Shut-In (1)
76	992.25	119.19	End Shut-In (1)
77	42.24	119.18	Open To Flow (2)
135	83.13	122.28	Shut-In (2)
226	949.21	123.73	End Shut-In (2)
227	1857.75	123.73	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
120.00	s g m c o 10%g 20%m 70%o	1.41
60.00	o c m 40%o 60%m	0.84

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc.

Offner #1

PO Box 352
Russell, KS 67665

2-16-27 Lane, Ks

Job Ticket: 16263

DST#: 3

ATTN: John o Farmer


Test Start: 2003.05.08 @ 15:32:34

Tool Information

Drill Pipe:	Length: 3976.00 ft	Diameter: 3.80 inches	Volume: 55.77 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: 30000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 55.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4016.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	54.00 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			3997.00	
S.I. Tool	5.00			4002.00	
HMV	5.00			4007.00	
Packer	5.00			4012.00	20.00 Bottom Of Top Packer
Packer	4.00			4016.00	
Stubb	1.00			4017.00	
Recorder	0.00	2341	Inside	4017.00	
Perforations	28.00			4045.00	
Recorder	0.00	11058	Outside	4045.00	
Bullnose	5.00			4050.00	34.00 Bottom Packers & Anchor
Total Tool Length:	54.00				

 TRILOBITE TESTING, INC	DRILL STEM TEST REPORT		FLUID SUMMARY
	John O Farmer Inc. PO Box 352 Russell, KS 67665 ATTN: John o Farmer	Offner #1 2-16-27 Lane, Ks Job Ticket: 16263 Test Start: 2003.05.08 @ 15:32:34	DST#: 3

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:	3300 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.56 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3300.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	s g m c o 10%g 20%m 70%o	1.410
60.00	o c m 40%o 60%m	0.842

Total Length: 180.00 ft Total Volume: 2.252 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

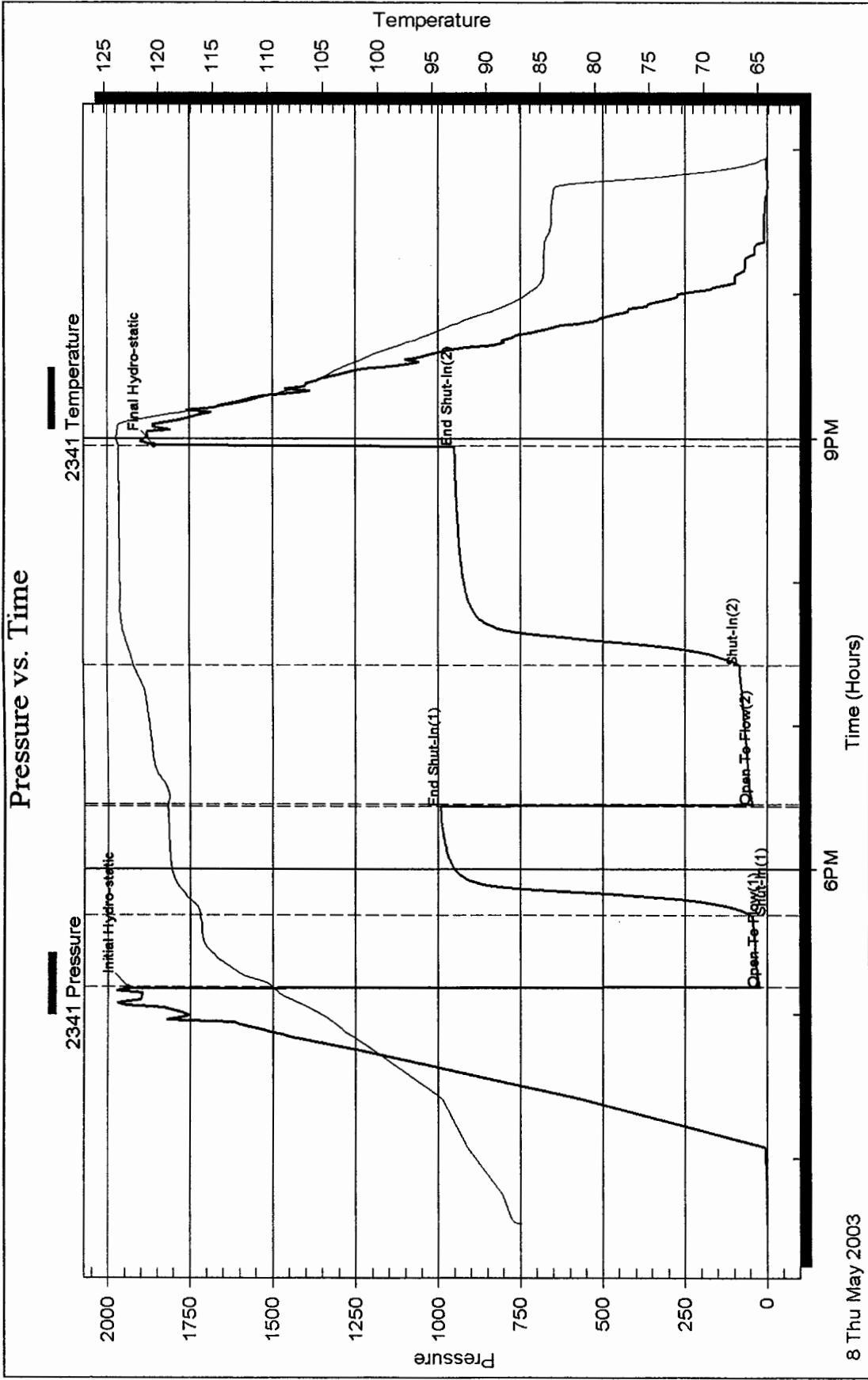
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

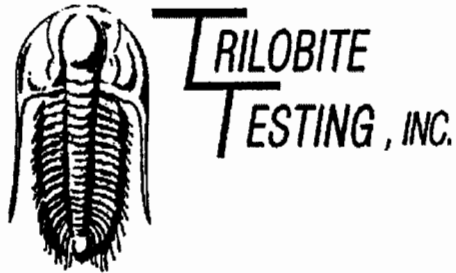


8 Thu May 2003

9PM

Time (Hours)

6PM



DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc.**

PO Box 352
Russell, KS 67665

ATTN: John o Farmer

2-16-27 Lane,Ks

Offner #1

Start Date: 2003.05.09 @ 06:00:14

End Date: 2003.05.09 @ 12:56:57

Job Ticket #: 16264 DST #: 4

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

John O Farmer Inc.


Offner #1

2-16-27 Lane,Ks

DST # 4

L

2003.05.09



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

John O Farmer Inc. Offner #1
 PO Box 352 2-16-27 Lane, Ks
 Russell, KS 67665 Job Ticket: 16264 DST#: 4
 ATTN: John o Farmer Test Start: 2003.05.09 @ 06:00:14

GENERAL INFORMATION:

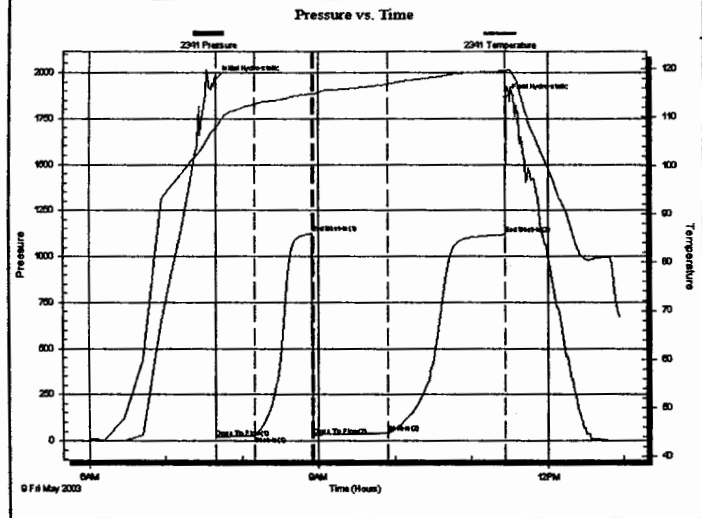
Formation: L
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole
 Time Tool Opened: 07:39:27 Tester: Shane McBride
 Time Test Ended: 12:56:57 Unit No: 25

Interval: 4054.00 ft (KB) To 4080.00 ft (KB) (TVD) Reference Elevations: 2520.00 ft (KB)
 Total Depth: 4080.00 ft (KB) (TVD) 2512.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 2341 Inside

Press@RunDepth: 42.86 psig @ 4055.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2003.05.09 End Date: 2003.05.09 Last Calib.: 1899.12.30
 Start Time: 06:00:14 End Time: 12:56:57 Time On Btm: 2003.05.09 @ 07:39:12
 Time Off Btm: 2003.05.09 @ 11:26:42

TEST COMMENT: 1/2" in @ open , built to 11" in
 No return
 4" in @ open , B.O.B. in 16 min.
 No return



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1965.27	107.77	Initial Hydro-static
1	15.40	107.84	Open To Flow (1)
31	27.76	112.77	Shut-In (1)
76	1125.11	114.83	End Shut-In (1)
77	28.02	114.83	Open To Flow (2)
135	42.86	116.87	Shut-In (2)
228	1118.68	119.60	End Shut-In (2)
228	1864.56	119.60	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
15.00	s o c m 15% o 85% m	0.07
60.00	m c g o 30% m 20% g 50% o	0.70

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc.

Offner #1

PO Box 352
Russell, KS 67665

2-16-27 Lane, Ks

Job Ticket: 16264

DST#: 4

ATTN: John o Farmer

Test Start: 2003.05.09 @ 06:00:14

Tool Information

Drill Pipe:	Length: 4014.00 ft	Diameter: 3.80 inches	Volume: 56.31 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: 30000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 56.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4054.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	46.00 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			4035.00	
S.I. Tool	5.00			4040.00	
HMV	5.00			4045.00	
Packer	5.00			4050.00	20.00 Bottom Of Top Packer
Packer	4.00			4054.00	
Stubb	1.00			4055.00	
Recorder	0.00	2341	Inside	4055.00	
Perforations	20.00			4075.00	
Recorder	0.00	11058	Outside	4075.00	
Bullnose	5.00			4080.00	26.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc.

Offner #1

PO Box 352
Russell, KS 67665

2-16-27 Lane, Ks

Job Ticket: 16264

DST#: 4

ATTN: John o Farmer

Test Start: 2003.05.09 @ 06:00:14

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:

3300 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.56 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	s o c m 15%o 85%m	0.074
60.00	m c g o 30%m 20%g 50%o	0.705

Total Length: 75.00 ft Total Volume: 0.779 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 2341

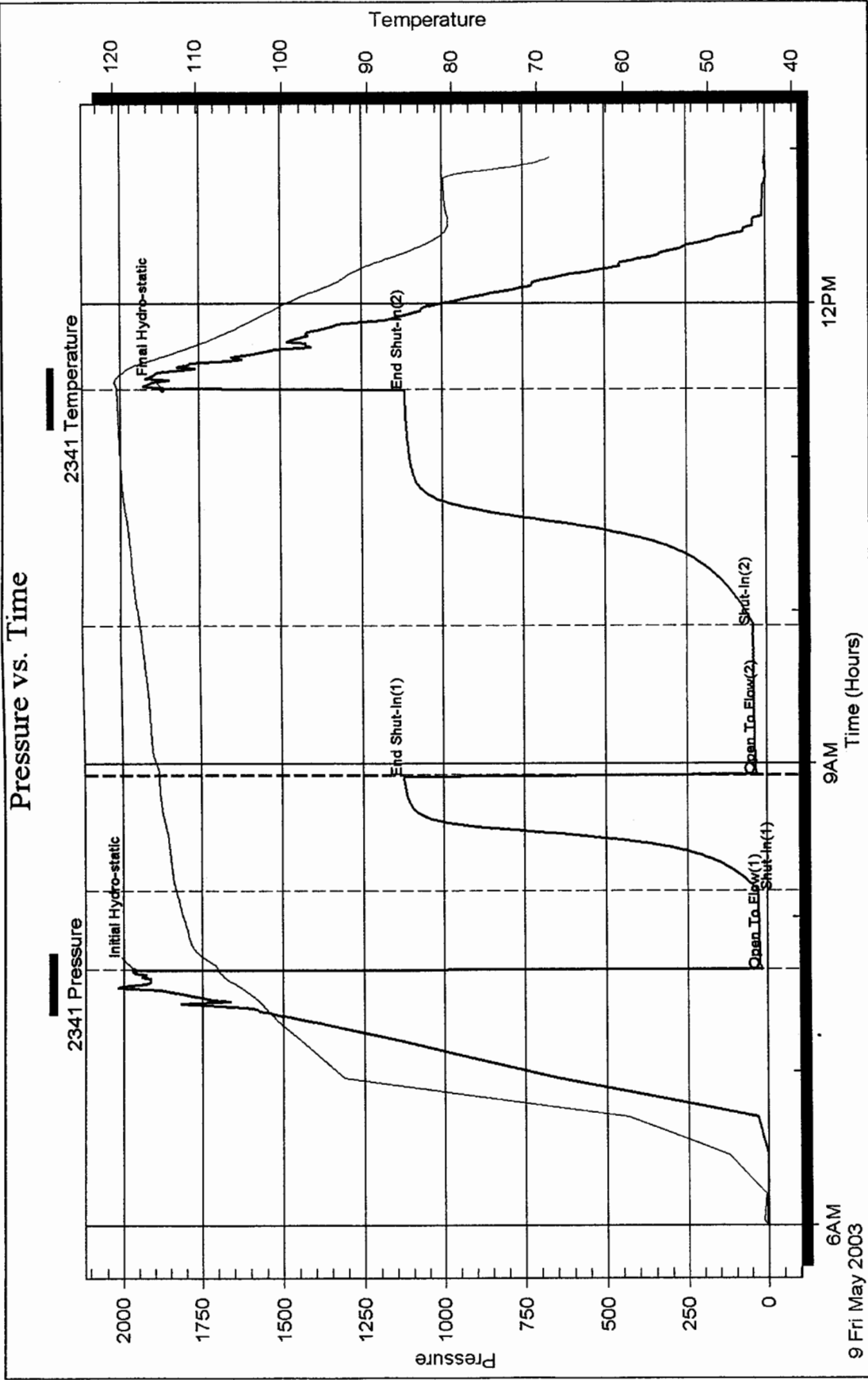
Inside

John O Farmer Inc.

2-16-27 Lane, Ks

DST Test Number: 4

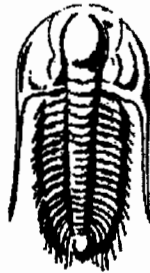
Pressure vs. Time



6AM
9 Fri May 2003

12PM

9AM
Time (Hours)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc.**

PO Box 352
Russell, KS 67665

ATTN: John o Farmer

2-16-27 Lane,Ks

Offner #1

Start Date: 2003.05.10 @ 10:21:41

End Date: 2003.05.10 @ 15:28:54

Job Ticket #: 16265 DST #: 5

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

John O Farmer Inc.

Offner #1

2-16-27 Lane,Ks

DST # 5

Ft Scott

2003.05.10



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc.

Offner #1

PO Box 352
Russell, KS 67665

2-16-27 Lane, Ks

Job Ticket: 16265

DST#: 5

ATTN: John o Farmer


Test Start: 2003.05.10 @ 10:21:41

Tool Information

Drill Pipe:	Length: 4224.00 ft	Diameter: 3.80 inches	Volume: 59.25 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: 30000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 59.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	4262.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	64.00 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			4243.00	
S.I. Tool	5.00			4248.00	
HMV	5.00			4253.00	
Packer	5.00			4258.00	20.00 Bottom Of Top Packer
Packer	4.00			4262.00	
Stubb	1.00			4263.00	
Recorder	0.00	2341	Inside	4263.00	
Perforations	5.00			4268.00	
C.O. Sub	1.00			4269.00	
drillpipe	31.00			4300.00	
C.O. Sub	1.00			4301.00	
Recorder	0.00	11058	Outside	4301.00	
Bullnose	5.00			4306.00	44.00 Bottom Packers & Anchor

Total Tool Length: 64.00

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT	FLUID SUMMARY
	John O Farmer Inc. PO Box 352 Russell, KS 67665 ATTN: John o Farmer	Offner #1 2-16-27 Lane, Ks Job Ticket: 16265 DST#: 5 Test Start: 2003.05.10 @ 10:21:41

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:	3400 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.77 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud w/oil spots 100%m	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

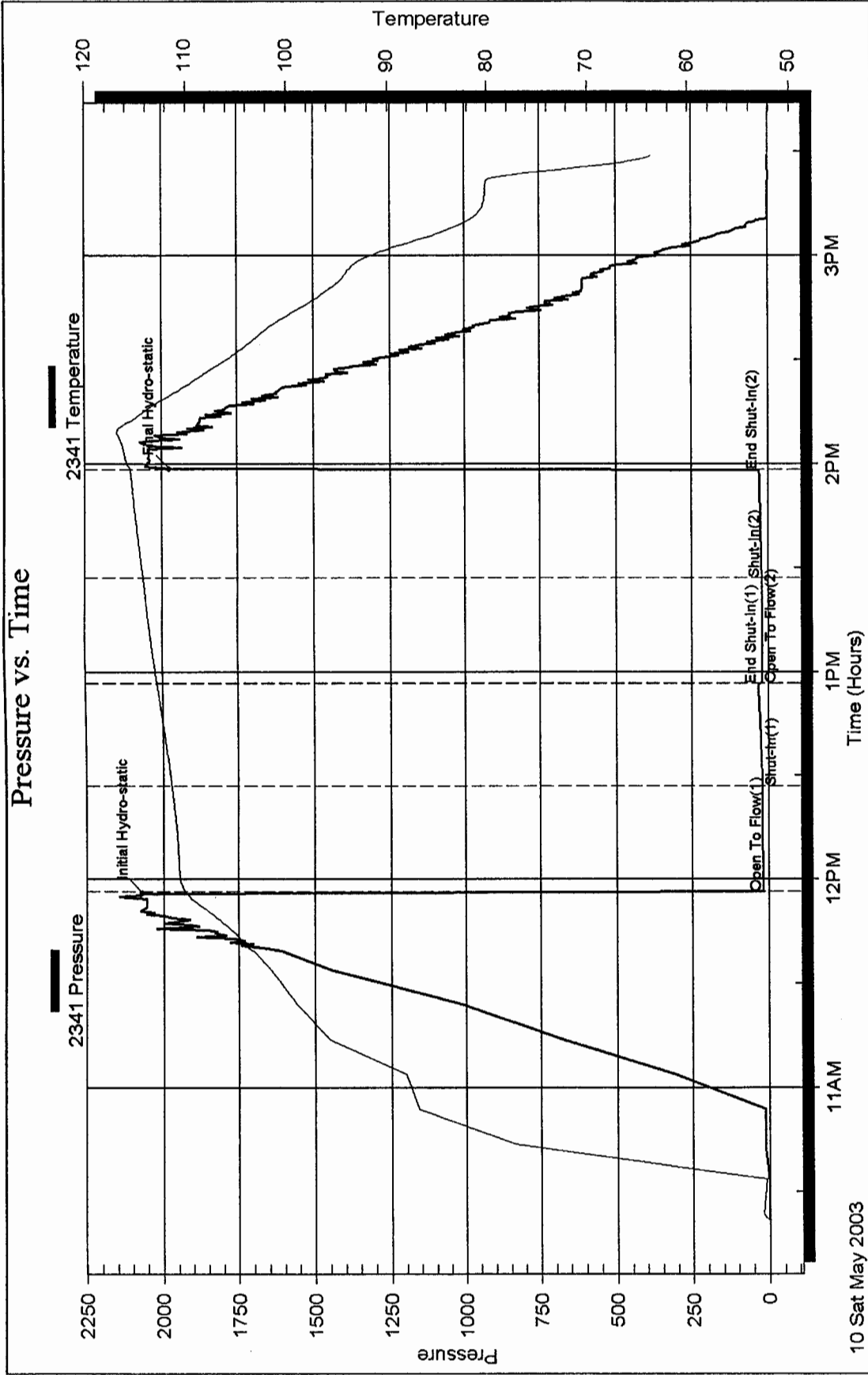
Serial #: 2341

Inside John O Farmer Inc.

2-16-27 Lane, Ks

DST Test Number: 5

Pressure vs. Time

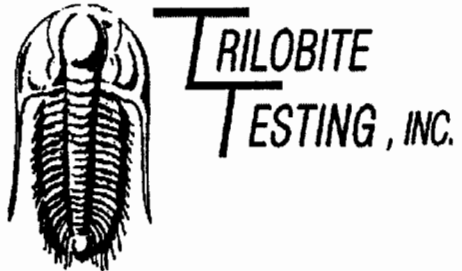


10 Sat May 2003

Trilobite Testing, Inc

Ref. No: 16265

Printed: 2003.05.13 @ 11:29:44 Page 5



DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc.**

PO Box 352
Russell, KS 67665

ATTN: John o Farmer

2-16-27 Lane,Ks

Offner #1

Start Date: 2003.05.11 @ 01:46:52

End Date: 2003.05.11 @ 09:48:05

Job Ticket #: 16266 DST #: 6

John O Farmer Inc.

Offner #1

2-16-27 Lane,Ks

DST # 6

miss

2003.05.11

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 Inc.

PO Box 352
Russell, KS 67665

ATTN: John o Farmer

Offner #1

2-16-27 Lane, Ks

Job Ticket: 16266

DST#: 6

Test Start: 2003.05.11 @ 01:46:52

GENERAL INFORMATION:

Formation: **miss**

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

Time Tool Opened: 03:46:50

Time Test Ended: 09:48:05

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **25**

Interval: **4345.00 ft (KB) To 4395.00 ft (KB) (TVD)**

Total Depth: **4395.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2520.00 ft (KB)**

2512.00 ft (CF)

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

Serial #: **2341**

Inside

Press@RunDepth: **104.58 psig @ 4346.00 ft (KB)**

Start Date: **2003.05.11**

End Date: **2003.05.11**

Start Time: **01:46:52**

End Time: **09:48:05**

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btrm: **2003.05.11 @ 03:46:20**

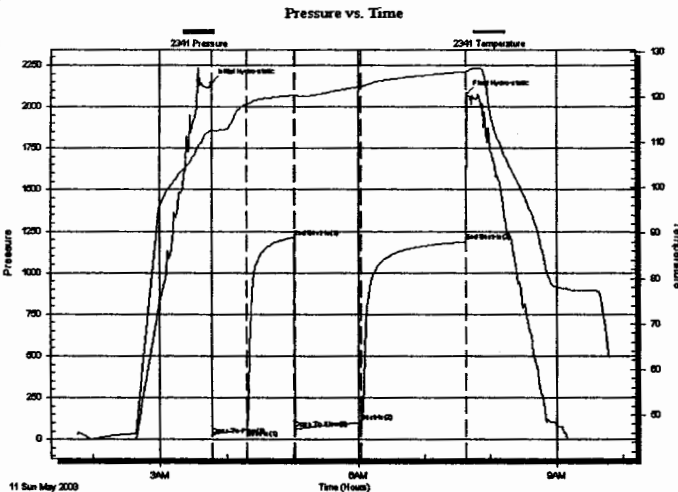
Time Off Btrm: **2003.05.11 @ 07:38:35**

TEST COMMENT: **1/4" in @ open , built to 2" in.**

No return

Surface blow built to 3 1/2" in.

No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2141.91	112.67	Initial Hydro-static
1	24.89	112.70	Open To Flow (1)
32	59.50	118.44	Shut-In (1)
75	1213.53	120.48	End Shut-In (1)
76	62.97	120.49	Open To Flow (2)
136	104.58	122.38	Shut-In (2)
232	1186.71	125.64	End Shut-In (2)
233	2075.66	125.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	s g o c m 10%g 30%o 60%m	0.99
60.00	s g m c o 10%g 25%m 65%o	0.84
60.00	s g c o 10%g 90%o	0.84

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc.

Offner #1

PO Box 352
Russell, KS 67665

2-16-27 Lane, Ks

Job Ticket: 16266

DST#: 6

ATTN: John o Farmer

Test Start: 2003.05.11 @ 01:46:52

Tool Information

Drill Pipe:	Length: 4315.00 ft	Diameter: 3.80 inches	Volume: 60.53 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: 30000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 60.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	4345.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	70.00 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			4326.00	
S.I. Tool	5.00			4331.00	
HMV	5.00			4336.00	
Packer	5.00			4341.00	20.00 Bottom Of Top Packer
Packer	4.00			4345.00	
Stubb	1.00			4346.00	
Recorder	0.00	2341	Inside	4346.00	
Perforations	11.00			4357.00	
C.O. Sub	1.00			4358.00	
drillpipe	31.00			4389.00	
C.O. Sub	1.00			4390.00	
Recorder	0.00	11058	Outside	4390.00	
Bullnose	5.00			4395.00	50.00 Bottom Packers & Anchor

Total Tool Length: 70.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc.

Offner #1

PO Box 352
Russell, KS 67665

2-16-27 Lane, Ks

Job Ticket: 16266

DST#: 6

ATTN: John o Farmer

Test Start: 2003.05.11 @ 01:46:52

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

3500 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	s g o c m 10%g 30%o 60%m	0.989
60.00	s g m c o 10%g 25%m 65%o	0.842
60.00	s g c o 10%g 90%o	0.842

Total Length: 210.00 ft Total Volume: 2.673 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

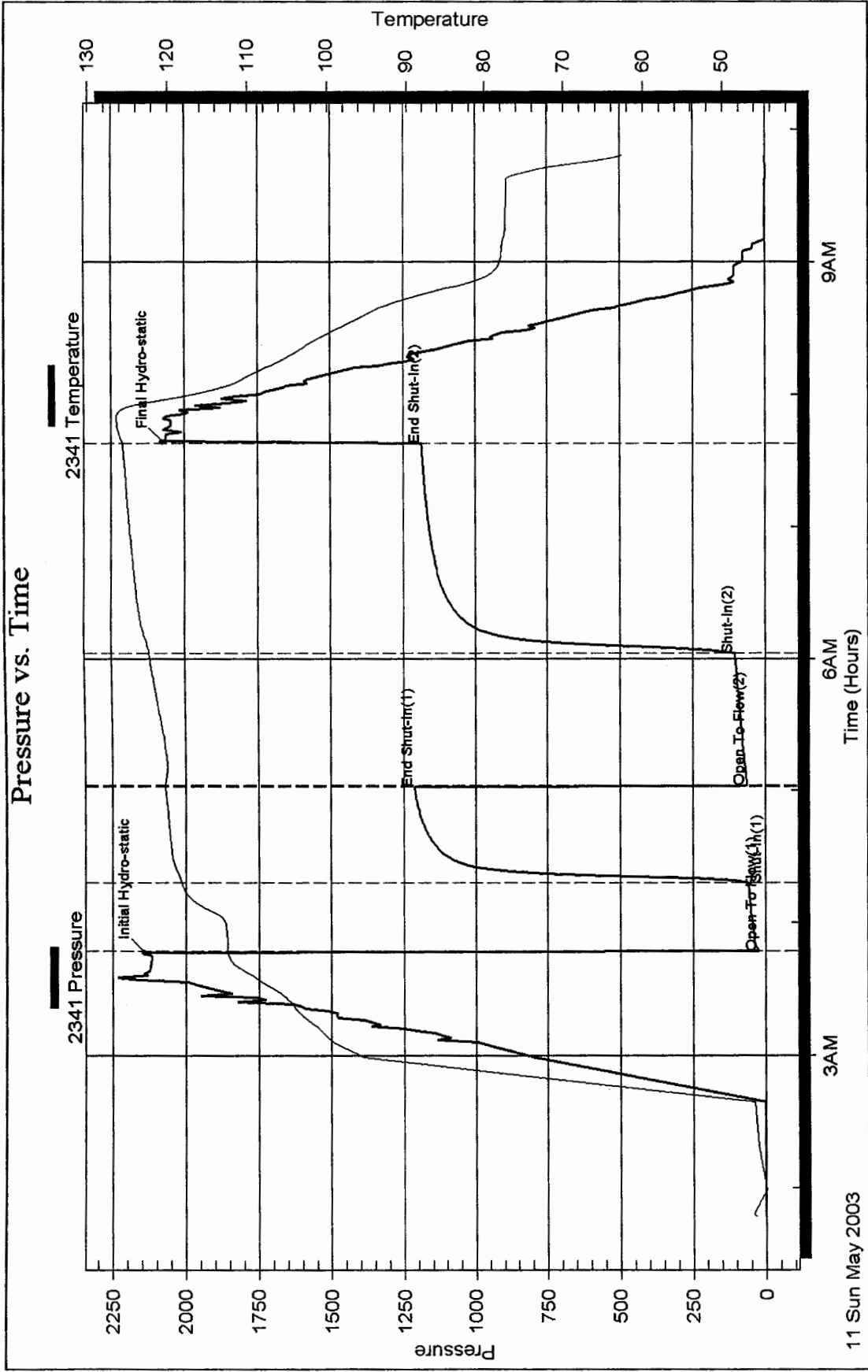
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



11 Sun May 2003

3AM

6AM

9AM