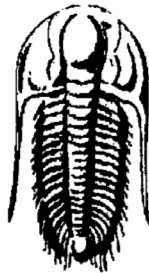


RELEASED  
FROM  
CONFIDENTIAL

RECEIVED

AUG 14 2003

KCC WICHITA



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**CONFIDENTIAL**

Prepared For: **Great Eastren Energy**

Box 150

Bogue, Ks 67426

**ORIGINAL KCC**

**AUG 08 2003**

ATTN: Mike Davignon

**CONFIDENTIAL**

**24-6-21-Graham-Ks**

**W**

**#1 States/Vehige**

Start Date: 2003.05.06 @ 13:54:59

End Date: 2003.05.06 @ 19:53:59

Job Ticket #: 16949                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Great Eastren Energy

#1 States/Vehige

24-6-21-Graham-Ks

DST # 1

C

LKC

2003.05.06



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Great Eastren Energy

#1 States/Vehige

Box 150  
Bogue, Ks 67625

24-6-21-Graham-Ks

ATTN: Mike Davignon

Job Ticket: 16949 DST#: 1

Test Start: 2003.05.06 @ 13:54:59

**GENERAL INFORMATION:**

Formation: C LKC  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 15:38:29  
Time Test Ended: 19:53:59

**KCC**  
**AUG 09 2003**  
**CONFIDENTIAL**

Test Type: Conventional Bottom Hole  
Tester: Dan Bangle  
Unit No: 21

Interval: 3515.00 ft (KB) To 3540.00 ft (KB) (TVD)  
Total Depth: 3540.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2260.00 ft (KB)  
2255.00 ft (CF)  
KB to GR/CF: 5.00 ft

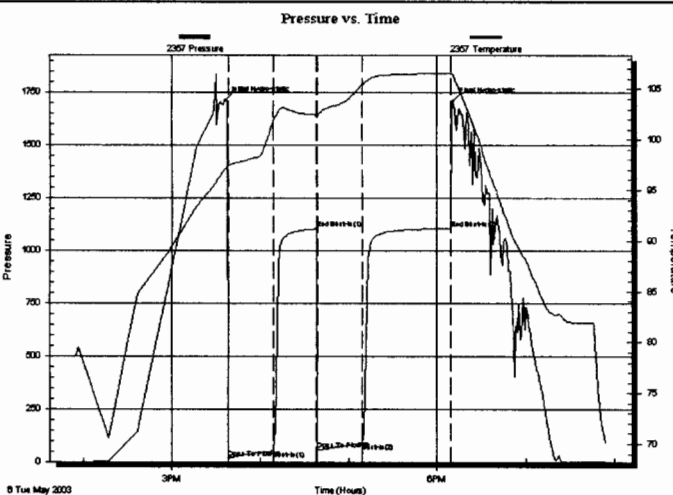
**Serial #: 2357**

**Inside**

Press@RunDepth: 90.44 psig @ 3516.00 ft (KB)  
Start Date: 2003.05.06 End Date: 2003.05.06  
Start Time: 13:55:04 End Time: 19:53:58

Capacity: 7000.00 psig  
Last Calib.: 2003.05.06  
Time On Btrn: 2003.05.06 @ 15:36:29  
Time Off Btrn: 2003.05.06 @ 18:10:29

**TEST COMMENT:** F-Weak building to 1 1/4"  
FFWeak steady surface blow  
Times-30-30-30-60



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1714.41	97.12	Initial Hydro-static
2	16.16	97.45	Open To Flow (1)
32	52.55	101.68	Shut-In(1)
62	1103.02	102.42	End Shut-In(1)
62	56.30	102.41	Open To Flow (2)
93	90.44	105.44	Shut-In(2)
153	1105.44	106.56	End Shut-In(2)
154	1709.08	106.50	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
55.00	Mdy w tr Rw .30 @ 78 = 45000ppm	0.27
70.00	OCM 5%o 95%m	0.36

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Great Eastren Energy

**#1 States/Vehige**

Box 150  
Bogue, Ks 67625

**24-6-21-Graham-Ks**

Job Ticket: 16949

**DST#: 1**

ATTN: Mike Davignon

Test Start: 2003.05.06 @ 13:54:59

**Tool Information**

Drill Pipe:	Length: 3397.00 ft	Diameter: 3.80 inches	Volume: 47.65 bbl	Tool Weight: 1200.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
			<b>Total Volume: 48.25 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3515.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

**KCC**

**AUG 08 2003**

**CONFIDENTIAL**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3495.00	
S.I. Tool	5.00			3500.00	
HMV	5.00			3505.00	
Packer	5.00			3510.00	21.00 Bottom Of Top Packer
Packer	5.00			3515.00	
Stubb	1.00			3516.00	
Recorder	0.00	2357	Inside	3516.00	
Perforations	21.00			3537.00	
Recorder	0.00	13254	Outside	3537.00	
Bullnose	3.00			3540.00	25.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>46.00</b>				



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Great Eastren Energy

**#1 States/Vehige**

Box 150  
Bogue, Ks 67625

**24-6-21-Graham-Ks**

Job Ticket: 16949      **DST#: 1**

ATTN: Mike Davignon

Test Start: 2003.05.06 @ 13:54:59

### 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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 800.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	Mdy w tr Rw .30 @ 78 = 45000ppm	0.270
70.00	OCM 5%o 95%m	0.362

Total Length: 125.00 ft      Total Volume: 0.632 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

Serial #: 2357

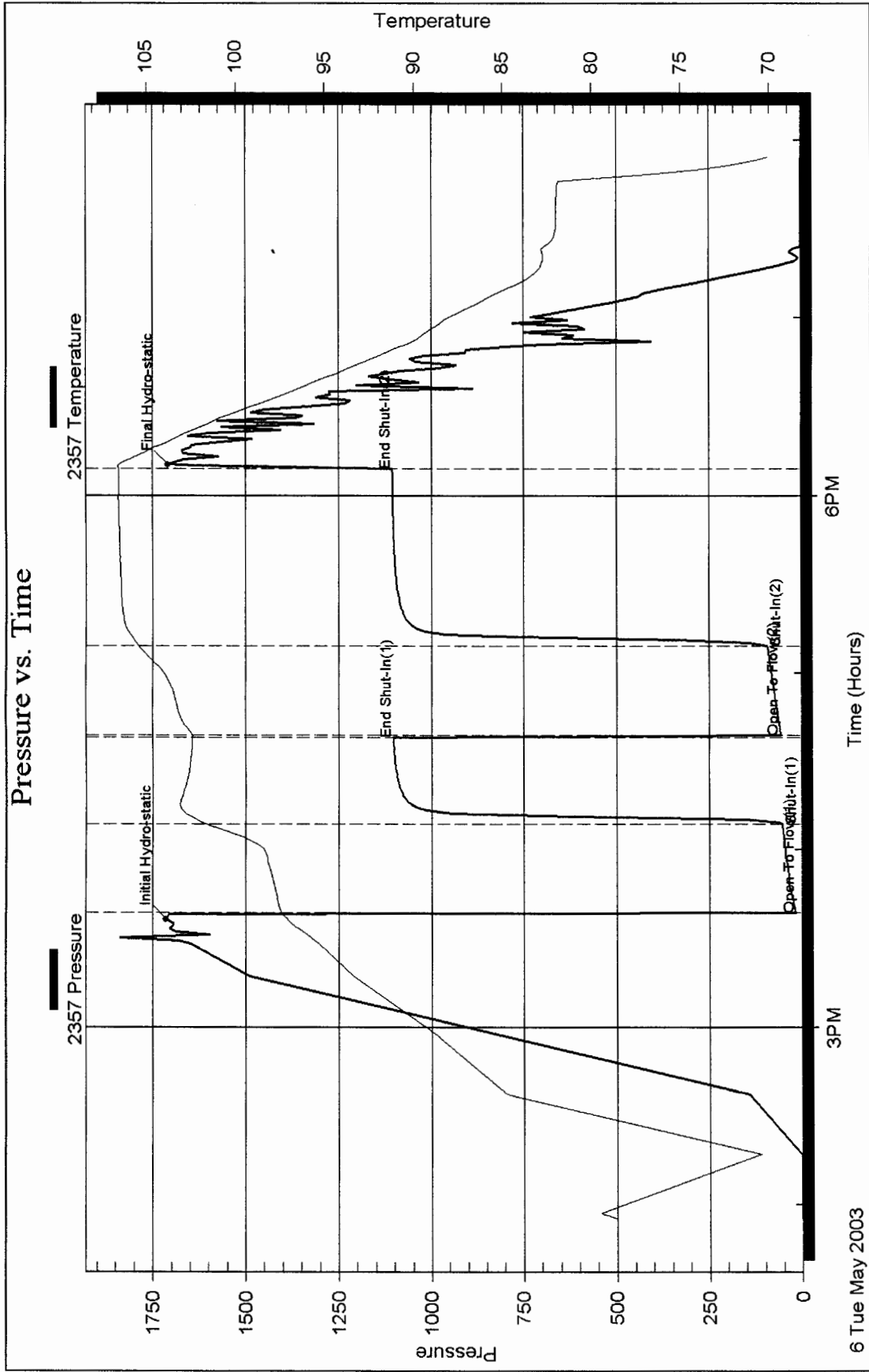
Inside

Great Eastern Energy

24-6-21-Graham-Ks

DST Test Number: 1

### Pressure vs. Time



6 Tue May 2003

3PM

Time (Hours)

6PM



## DRILL STEM TEST REPORT

Prepared For: **Great Eastren Energy**

Box 150  
Bogue, Ks 67625

ATTN: Mike Davignon

**24-6-21-Graham-Ks**

**#1 States/Vehige**

Start Date: 2003.05.07 @ 02:10:53

End Date: 2003.05.07 @ 08:33:53

Job Ticket #: 16950                      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

Great Eastren Energy

#1 States/Vehige

Box 150  
Bogue, Ks 67625

24-6-21-Graham-Ks

Job Ticket: 16950

DST#: 2

ATTN: Mike Davignon

Test Start: 2003.05.07 @ 02:10:53

### GENERAL INFORMATION:

Formation: **D LKC**  
 Deviated: **No Whipstock:** ft (KB)  
 Time Tool Opened: 03:56:53  
 Time Test Ended: 08:33:53

Test Type: Conventional Bottom Hole  
 Tester: Dan Bangle  
 Unit No: 21

Interval: **3535.00 ft (KB) To 3555.00 ft (KB) (TVD)**  
 Total Depth: 3555.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2260.00 ft (KB)  
 2255.00 ft (CF)  
 KB to GR/CF: 5.00 ft

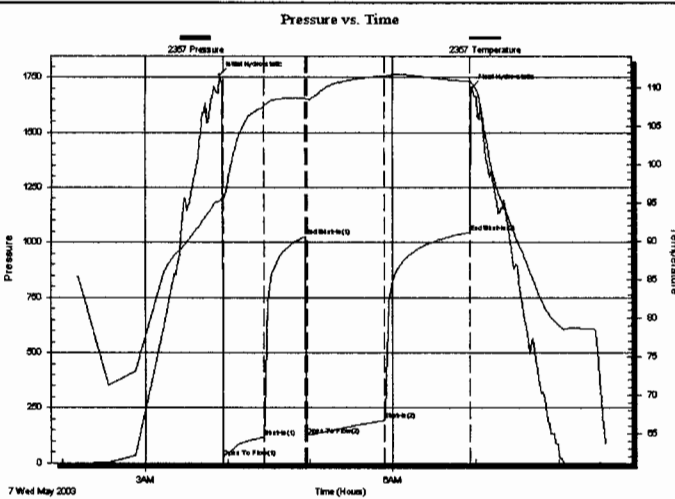
### Serial #: 2357

Inside

Press@RunDepth: 193.78 psig @ 3536.00 ft (KB)  
 Start Date: 2003.05.07 End Date: 2003.05.07  
 Start Time: 02:10:58 End Time: 08:33:52

Capacity: 7000.00 psig  
 Last Calib.: 2003.05.07  
 Time On Btm: 2003.05.07 @ 03:54:23  
 Time Off Btm: 2003.05.07 @ 06:57:23

TEST COMMENT: F-Strong bottom of bucket in 20 min  
 IS-Weak 1/4" blow  
 FF-Strong bottom of bucket in 25 min  
 FSI-Weak surface blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1760.79	95.25	Initial Hydro-static
3	24.27	95.69	Open To Flow (1)
32	117.50	107.59	Shut-In(1)
62	1027.50	108.60	End Shut-In(1)
64	126.99	108.51	Open To Flow (2)
120	193.78	111.53	Shut-In(2)
182	1046.20	110.80	End Shut-In(2)
183	1702.64	110.67	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
180.00	Mdy Wtr 30% m 70% w Rw .28 @ 80 = 370.89 ppm	
30.00	OCM 10% o 90% m	0.39
137.00	CGsyO 10% g 90% o	1.92
0.00	387 GIP	0.00

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Great Eastren Energy  
Box 150  
Bogue, Ks 67625  
  
ATTN: Mike Davignon

**#1 States/Vehige**  
**24-6-21-Graham-Ks**  
Job Ticket: 16950      **DST#: 2**  
Test Start: 2003.05.07 @ 02:10:53

**Tool Information**

Drill Pipe:	Length: 3335.00 ft	Diameter: 3.80 inches	Volume: 46.78 bbl	Tool Weight: 1100.00 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: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 60000.00 lb
			<b>Total Volume: 47.68 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3535.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	41.00 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			3515.00	
S.I. Tool	5.00			3520.00	
HMV	5.00			3525.00	
Packer	5.00			3530.00	21.00      Bottom Of Top Packer
Packer	5.00			3535.00	
Stubb	1.00			3536.00	
Recorder	0.00	2357	Inside	3536.00	
Perforations	16.00			3552.00	
Recorder	0.00	13254	Outside	3552.00	
Bullnose	3.00			3555.00	20.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>41.00</b>				



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Great Eastren Energy

**#1 States/Vehige**

Box 150  
Bogue, Ks 67625

**24-6-21-Graham-Ks**

Job Ticket: 16950      **DST#: 2**

ATTN: Mike Davignon

Test Start: 2003.05.07 @ 02:10:53

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API: 36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: 37000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume: bbl

Water Loss: 6.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 800.00 ohm.m

Gas Cushion Pressure: psig

Salinity: ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	Mdy Wtr 30%m 70%w Rw .28 @ 80 = 37000	0.885
30.00	OCM 10%o 90%m	0.393
137.00	CGsyO 10%g 90%o	1.922
0.00	387 GIP	0.000

Total Length: 347.00 ft      Total Volume: 3.200 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 2357

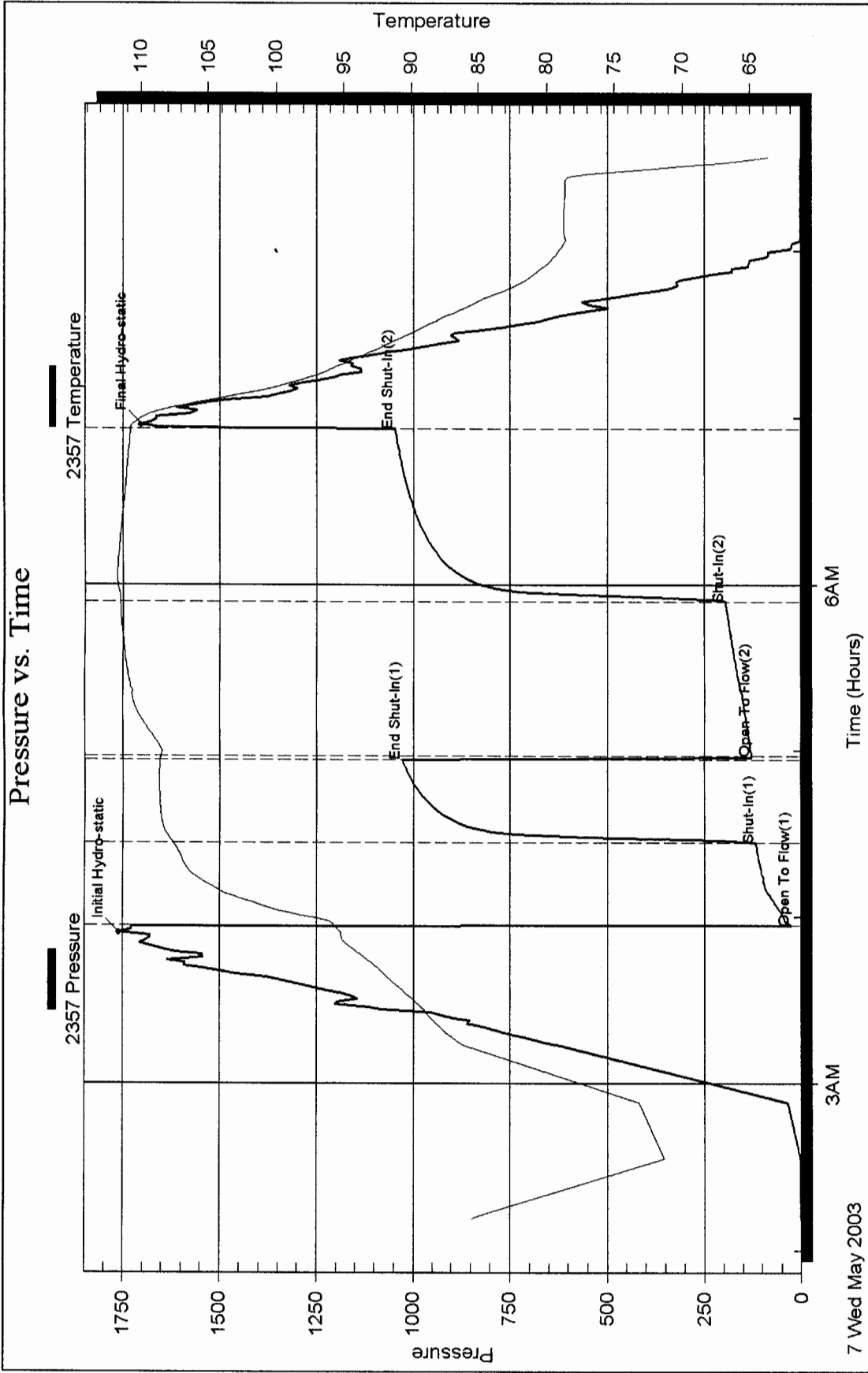
Inside

Great Eastern Energy

24-6-21-Graham-Ks

DST Test Number: 2

### Pressure vs. Time



7 Wed May 2003

3AM

6AM

Time (Hours)



## DRILL STEM TEST REPORT

Prepared For: **Great Eastren Energy**

Box 150  
Bogue, Ks 67625

ATTN: Mike Davignon

**24-6-21-Graham-Ks**

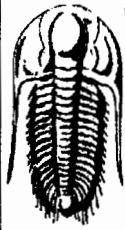
**#1 States/Vehige**

Start Date: 2003.05.07 @ 21:03:02

End Date: 2003.05.08 @ 04:20:02

Job Ticket #: 17001                      DST #: 3

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Great Eastren Energy

#1 States/Vehige

Box 150  
Bogue, Ks 67625

24-6-21-Graham-Ks

Job Ticket: 17001

DST#: 3

ATTN: Mike Davignon

Test Start: 2003.05.07 @ 21:03:02

## GENERAL INFORMATION:

Formation: J-K LKC  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 22:52:02  
 Time Test Ended: 04:20:02

Test Type: Conventional Bottom Hole  
 Tester: Dan Bangle  
 Unit No: 21

Interval: 3650.00 ft (KB) To 3680.00 ft (KB) (TVD)  
 Total Depth: 3680.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2260.00 ft (KB)  
 2255.00 ft (CF)  
 KB to GR/CF: 5.00 ft

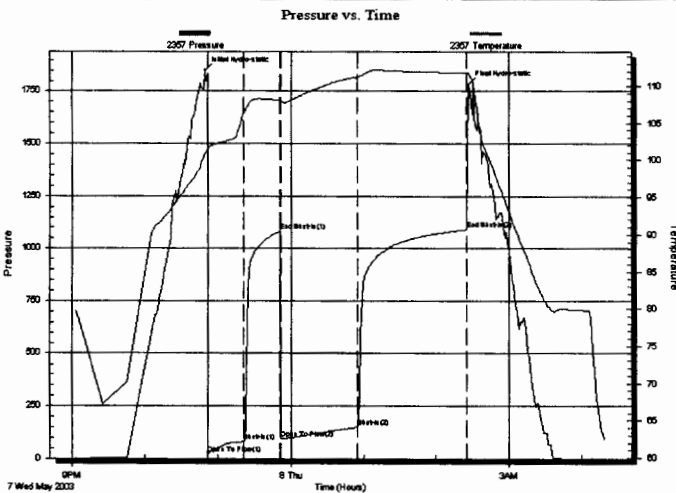
## Serial #: 2357

Inside

Press@RunDepth: 150.28 psig @ 3651.00 ft (KB)  
 Start Date: 2003.05.07 End Date: 2003.05.08  
 Start Time: 21:03:07 End Time: 04:20:01

Capacity: 7000.00 psig  
 Last Calib.: 2003.05.08  
 Time On Btm: 2003.05.07 @ 22:49:32  
 Time Off Btm: 2003.05.08 @ 02:26:32

TEST COMMENT: F-Strong BOB in 19 min  
 IS-Weak 1/2" blow  
 FF-Strong BOB in 20 min  
 FSI-Weak surface blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1849.13	100.81	Initial Hydro-static
3	21.61	101.53	Open To Flow (1)
32	81.33	106.21	Shut-in (1)
62	1082.89	108.03	End Shut-in (1)
63	95.75	107.96	Open To Flow (2)
126	150.28	111.29	Shut-in (2)
216	1091.26	111.80	End Shut-in (2)
217	1783.32	111.79	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	OCM 20%o 80%m	0.30
30.00	MCGsyO 20%m 10%g 70%o	0.15
278.00	CGsyO 10%g 90%o	3.07
0.00	125 GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Great Eastren Energy

**#1 States/Vehige**

Box 150  
Bogue, Ks 67625

**24-6-21-Graham-Ks**

Job Ticket: 17001

**DST#: 3**

ATTN: Mike Davignon

Test Start: 2003.05.07 @ 21:03:02

### Tool Information

Drill Pipe:	Length: 3460.00 ft	Diameter: 3.80 inches	Volume: 48.53 bbl	Tool Weight: 1300.00 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: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 49.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3650.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	30.00 ft			
Tool Length:	51.00 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			3630.00	
S.I. Tool	5.00			3635.00	
HMV	5.00			3640.00	
Packer	5.00			3645.00	21.00 Bottom Of Top Packer
Packer	5.00			3650.00	
Stubb	1.00			3651.00	
Recorder	0.00	2357	Inside	3651.00	
Perforations	26.00			3677.00	
Recorder	0.00	13254	Outside	3677.00	
Bullnose	3.00			3680.00	30.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>51.00</b>				



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Great Eastren Energy

**#1 States/Vehige**

Box 150  
Bogue, Ks 67625

**24-6-21-Graham-Ks**

Job Ticket: 17001

**DST#: 3**

ATTN: Mike Davignon

Test Start: 2003.05.07 @ 21:03:02

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 64.00 sec/qt  
Water Loss: 6.79 in<sup>3</sup>  
Resistivity: 950.00 ohm.m  
Salinity: ppm  
Filter Cake: inches

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

Oil API: deg API  
Water Salinity: ppm

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
62.00	OCM 20%o 80%m	0.305
30.00	MCGsyO 20%m 10%g 70%o	0.148
278.00	CGsyO 10%g 90%o	3.071
0.00	125 GIP	0.000

Total Length: 370.00 ft      Total Volume: 3.524 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

Serial #: 2357

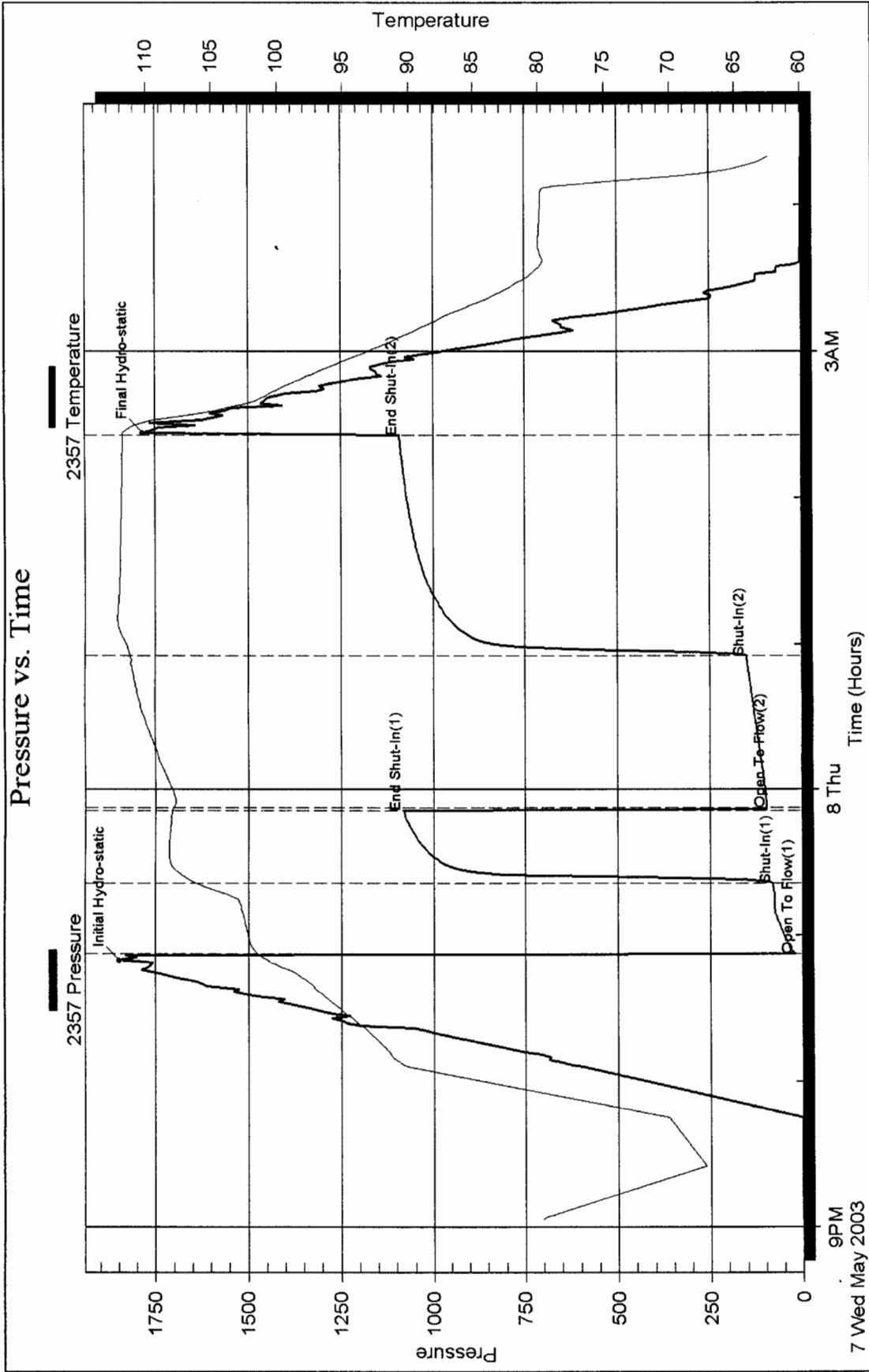
Inside

Great Eastern Energy

24-6-21-Graham-Ks

DST Test Number: 3

### Pressure vs. Time



9PM  
7 Wed May 2003

8 Thu  
Time (Hours)

3AM



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Great Eastren Energy**

Box 150  
Bogue, Ks 67625

ATTN: Mike Davignon

**24-6-21-Graham-Ks**

**#1 States/Vehige**

Start Date: 2003.05.08 @ 12:44:23

End Date: 2003.05.08 @ 16:26:53

Job Ticket #: 17002                      DST #: 4

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Great Eastren Energy

#1 States/Vehige

Box 150  
Bogue, Ks 67625

24-6-21-Graham-Ks

ATTN: Mike Davignon

Job Ticket: 17002

DST#: 4

Test Start: 2003.05.08 @ 12:44:23

## GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 14:31:23

Time Test Ended: 16:26:53

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3707.00 ft (KB) To 3740.00 ft (KB) (TVD)**

Total Depth: 3740.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2260.00 ft (KB)

2255.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **2357**

Inside

Press@RunDepth: 18.89 psig @ 3708.00 ft (KB)

Start Date: 2003.05.08

End Date:

2003.05.08

Start Time: 12:44:28

End Time:

16:26:53

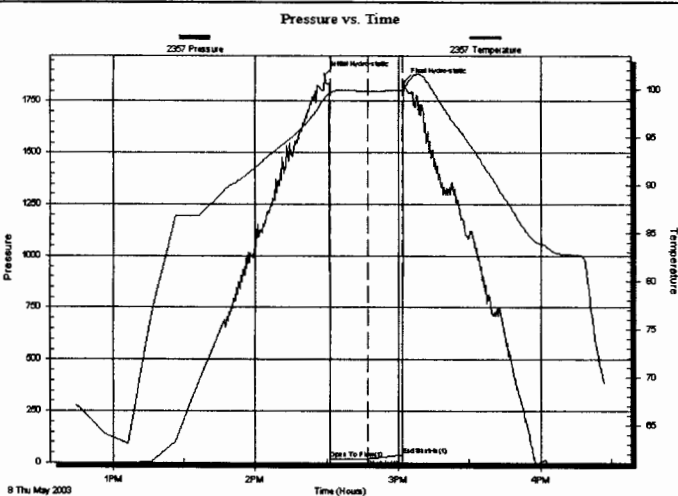
Capacity: 7000.00 psig

Last Calib.: 2003.05.08

Time On Btrn: 2003.05.08 @ 14:28:53

Time Off Btrn: 2003.05.08 @ 15:02:23

TEST COMMENT: IF-Weak surface blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1878.95	99.04	Initial Hydro-static
3	16.00	99.67	Open To Flow (1)
18	18.89	99.82	Shut-In(1)
33	37.67	99.93	End Shut-In(1)
34	1844.33	100.12	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud w/ oil spots	0.01

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastren Energy

#1 States/Vehige

Box 150  
Bogue, Ks 67625

24-6-21-Graham-Ks

Job Ticket: 17002

DST#: 4

ATTN: Mike Davignon

Test Start: 2003.05.08 @ 12:44:23

### Tool Information

Drill Pipe:	Length: 3524.00 ft	Diameter: 3.80 inches	Volume: 49.43 bbl	Tool Weight: 1400.00 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: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume: 50.33 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3707.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	54.00 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			3687.00	
S.I. Tool	5.00			3692.00	
HMV	5.00			3697.00	
Packer	5.00			3702.00	21.00 Bottom Of Top Packer
Packer	5.00			3707.00	
Stubb	1.00			3708.00	
Recorder	0.00	2357	Inside	3708.00	
Perforations	29.00			3737.00	
Recorder	0.00	13254	Outside	3737.00	
Bullnose	3.00			3740.00	33.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>54.00</b>				



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Great Eastren Energy

**#1 States/Vehige**

Box 150  
Bogue, Ks 67625

**24-6-21-Graham-Ks**

Job Ticket: 17002

**DST#: 4**

ATTN: Mike Davignon

Test Start: 2003.05.08 @ 12:44:23

### 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: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 1250.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Mud w / oil spots	0.015

Total Length: 3.00 ft      Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 2357

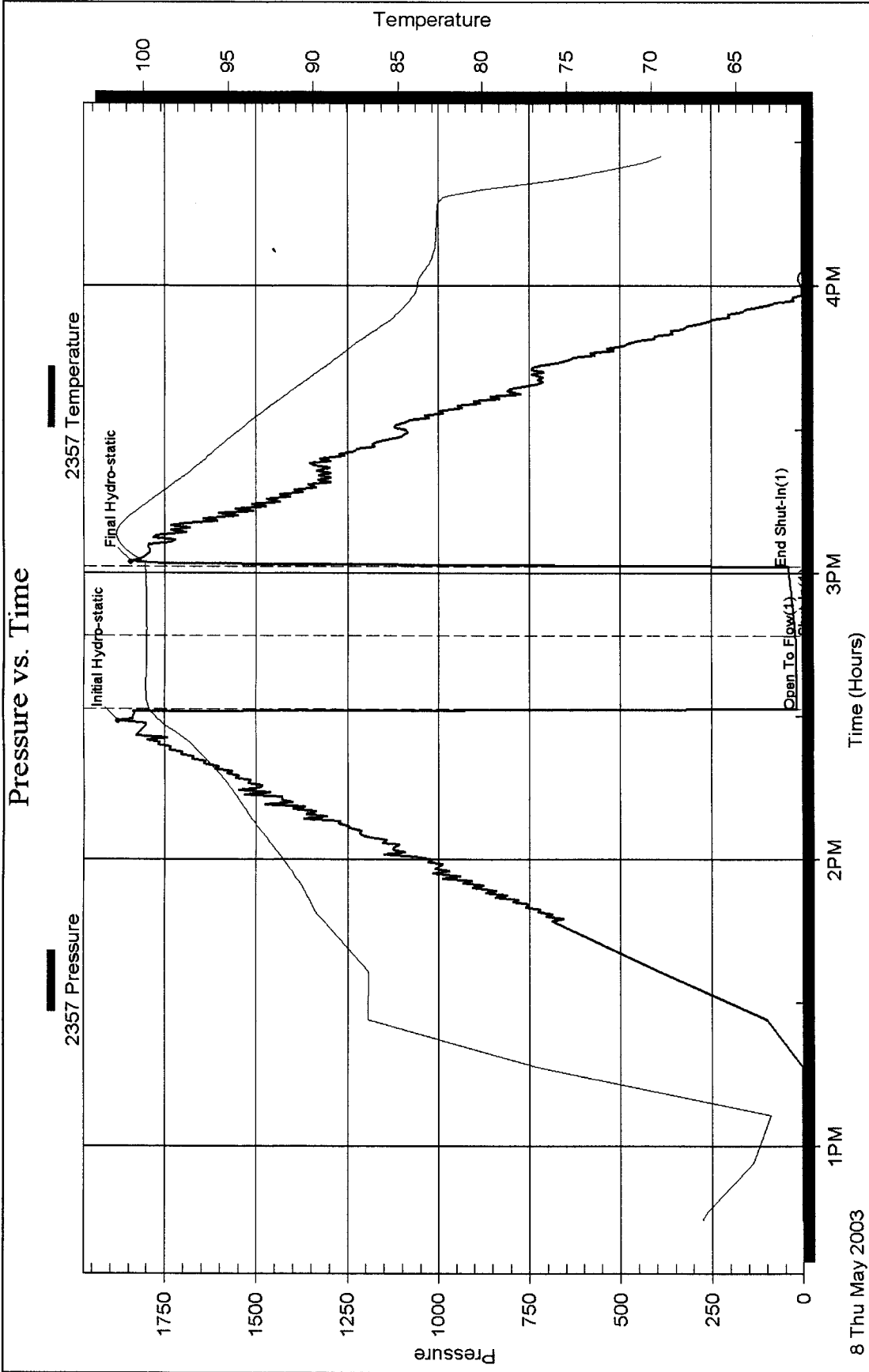
Inside

Great Eastern Energy

24-6-21-Graham-Ks

DST Test Number: 4

### Pressure vs. Time



8 Thu May 2003