

15-065-22870



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DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy & Dev Corp**

PO Box 150
Bogue, Ks 67625

ATTN: Great Eastern Energy

16-7-21 Graham, Ks

Insley #1

Start Date: 2003.02.10 @ 11:49:34

End Date: 2003.02.10 @ 17:47:02

Job Ticket #: 15268 DST #: 1

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 Eastern Energy & Dev Corp

Insley #1

PO Box 150
Bogue, Ks 67625

16-7-21 Graham, Ks

Job Ticket: 15268

DST#: 1

ATTN: Great Eastern Energy

Test Start: 2003.02.10 @ 11:49:34

GENERAL INFORMATION:

Formation: **L KC**

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

Time Tool Opened: 13:29:02

Time Test Ended: 17:47:02

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **25**

Interval: **3360.00 ft (KB) To 3390.00 ft (KB) (TVD)**

Reference Elevations: **2139.00 ft (KB)**

Total Depth: **3390.00 ft (KB) (TVD)**

2134.00 ft (CF)

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

KB to GR/CF: **5.00 ft**

Serial #: 2341

Inside

Press@RunDepth: **106.00 psig @ 3361.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2003.02.10**

End Date: **2003.02.10**

Last Calib.: **1899.12.30**

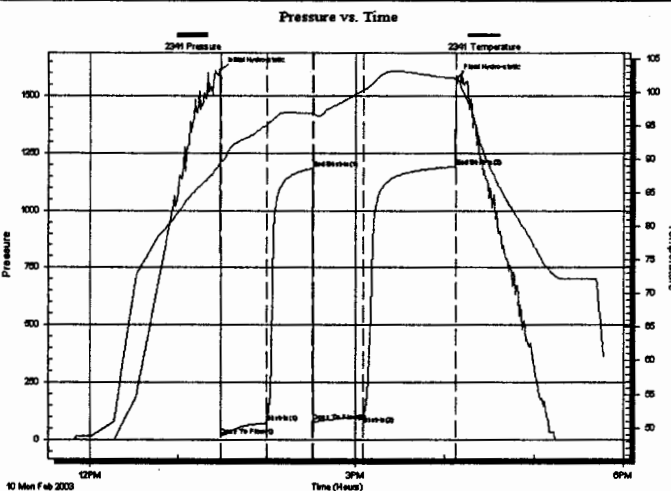
Start Time: **11:49:34**

End Time: **17:47:02**

Time On Btm: **2003.02.10 @ 13:28:47**

Time Off Btm: **2003.02.10 @ 16:08:02**

TEST COMMENT: 1/4" @ open built to 11"
Weak 1/1" return blow in 12 min.
1" @ open built to B.O.B. in 26 min.
Weak 1/4" return blow in 5 min. built to



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1608.93	89.46	Initial Hydro-static
1	14.68	89.52	Open To Flow (1)
31	73.60	95.13	Shut-In(1)
62	1182.55	96.77	End Shut-In(1)
63	78.95	96.74	Open To Flow (2)
97	106.00	100.31	Shut-In(2)
159	1190.72	102.03	End Shut-In(2)
160	1579.97	102.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	s g o c m 5%g 30%o 65%m	0.59
140.00	c g o 20%g 80%o	1.96

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy & Dev Corp

Insley #1

PO Box 150
Bogue, Ks 67625

16-7-21 Graham, Ks

Job Ticket: 15268

DST#: 1

ATTN: Great Eastern Energy

Test Start: 2003.02.10 @ 11:49:34

Tool Information

Drill Pipe:	Length: 3235.00 ft	Diameter: 3.80 inches	Volume: 45.38 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 45.97 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	3360.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	50.00 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			3341.00	
S.I. Tool	5.00			3346.00	
HMV	5.00			3351.00	
Packer	5.00			3356.00	20.00 Bottom Of Top Packer
Packer	4.00			3360.00	
Stubb	1.00			3361.00	
Recorder	0.00	2341	Inside	3361.00	
Perforations	24.00			3385.00	
Recorder	0.00	11057	Outside	3385.00	
Bullnose	5.00			3390.00	30.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy & Dev Corp

Insley #1

PO Box 150
Bogue, Ks 67625

16-7-21 Graham, Ks

Job Ticket: 15268

DST#: 1

ATTN: Great Eastern Energy

Test Start: 2003.02.10 @ 11:49:34

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: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	s g o c m 5%g 30%o 65%m	0.590
140.00	c g o 20%g 80%o	1.964

Total Length: 260.00 ft

Total Volume: 2.554 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 2341

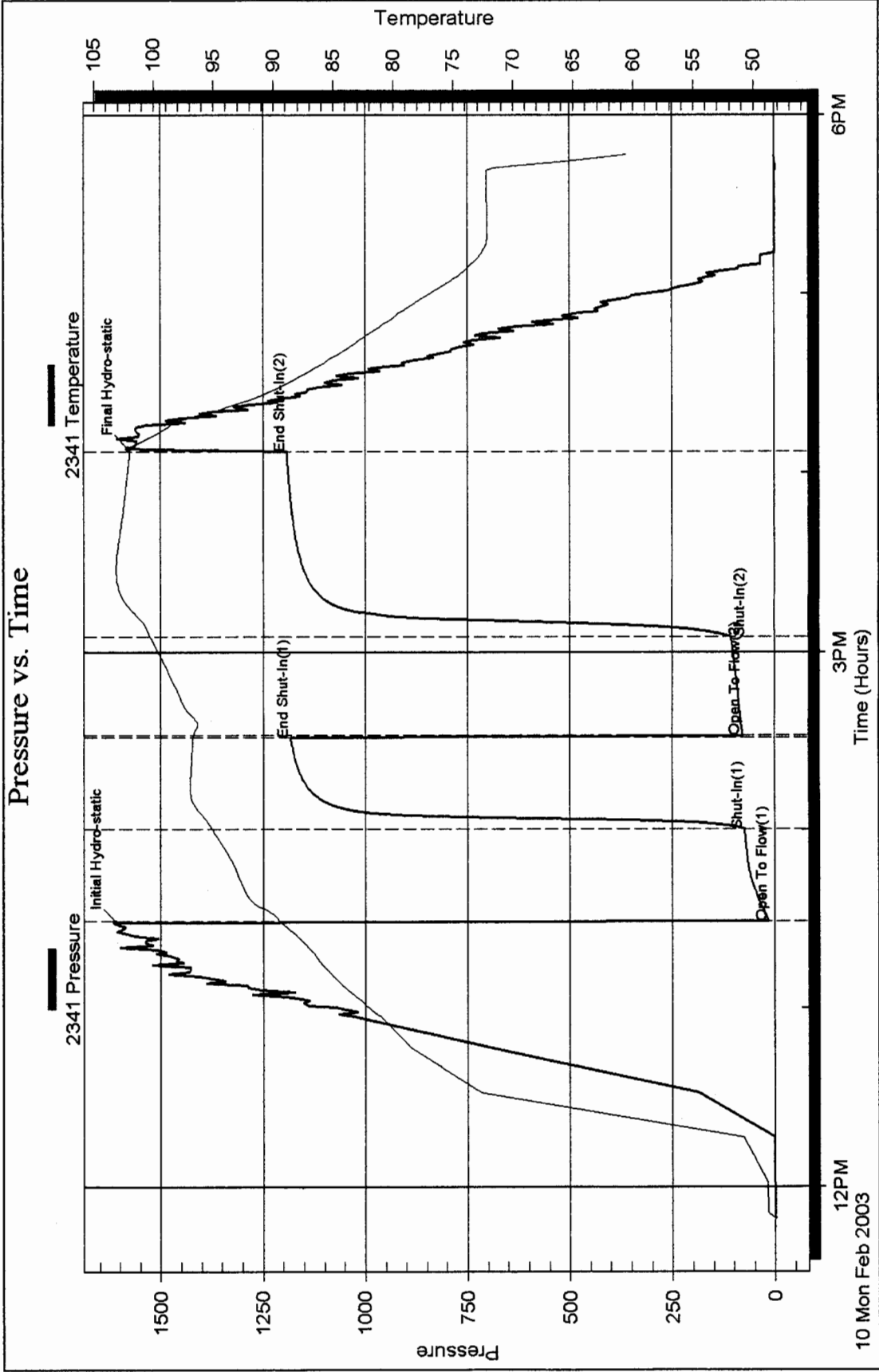
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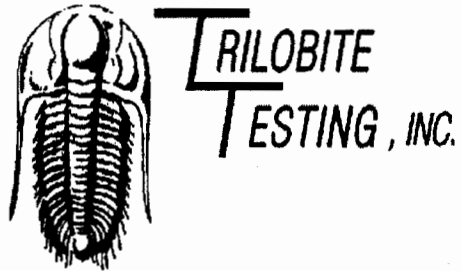
Great Eastern Energy & Dev Corp

16-7-21 Graham, Ks

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy & Dev Corp**

PO Box 150
Bogue, Ks 67625

ATTN: Great Eastern Energy

16-7-21 Graham, Ks

Insley #1

Start Date: 2003.02.11 @ 00:20:37

End Date: 2003.02.11 @ 04:20:37

Job Ticket #: 17427 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Great Eastern Energy & Dev Corp

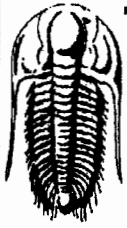
Insley #1

16-7-21 Graham, Ks

DST # 2

L.Kc.-

2003.02.11



TRIOBITE TESTING, INC.

DRILL STEM TEST REPORT

Great Eastern Energy & Dev Corp
 PO Box 150
 Bogue, Ks 67625
 ATTN: Great Eastern Energy

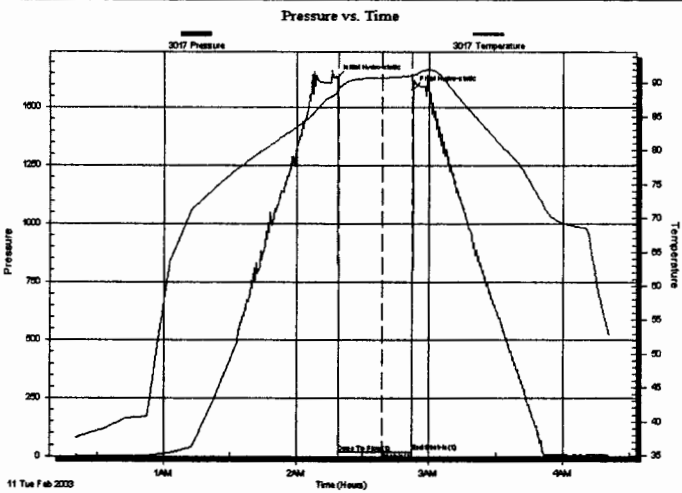
Insley #1
16-7-21 Graham, Ks
 Job Ticket: 17427 **DST#: 2**
 Test Start: 2003.02.11 @ 00:20:37

GENERAL INFORMATION:

Formation: **L.Kc.-**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **02:19:07** Tester: **John Schmidt**
 Time Test Ended: **04:20:37** Unit No: **18**
 Interval: **3400.00 ft (KB) To 3420.00 ft (KB) (TVD)** Reference Elevations: **2139.00 ft (KB)**
 Total Depth: **3420.00 ft (KB) (TVD)** **2134.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **5.00 ft**

Serial #: 3017 **Inside**
 Press@RunDepth: **20.05 psig @ 3402.01 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2003.02.11** End Date: **2003.02.11** Last Calib.: **2003.02.11**
 Start Time: **00:20:39** End Time: **04:20:37** Time On Btm: **2003.02.11 @ 02:18:07**
 Time Off Btm: **2003.02.11 @ 02:52:37**

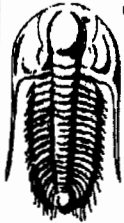
TEST COMMENT: **IF-Weak Dead 15 min. ISF- Dead**



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1629.98	88.67	Initial Hydro-static
1	17.30	89.14	Open To Flow (1)
21	20.05	90.79	Shut-In(1)
34	21.51	91.16	End Shut-In(1)
35	1578.49	91.14	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
1.00	Drilling Mud	0.00

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy & Dev Corp

Insley #1

PO Box 150
Bogue, Ks 67625

16-7-21 Graham, Ks

Job Ticket: 17427

DST#: 2

ATTN: Great Eastern Energy

Test Start: 2003.02.11 @ 00:20:37

Tool Information

Drill Pipe:	Length: 3268.00 ft	Diameter: 3.80 inches	Volume: 45.84 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 46.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3400.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.02 ft			
Tool Length:	40.02 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			3381.00	
S.I. Tool	5.00			3386.00	
HMV	5.00			3391.00	
Packer	4.00			3395.00	20.00 Bottom Of Top Packer
Packer	5.00			3400.00	
Stubb	1.00			3401.00	
Perforations	1.00			3402.00	
Recorder	0.01	3017	Inside	3402.01	
Perforations	15.00			3417.01	
Recorder	0.01	13308	Outside	3417.02	
Bullnose	3.00			3420.02	20.02 Bottom Packers & Anchor

Total Tool Length: 40.02



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy & Dev Corp

Insley #1

PO Box 150
Bogue, Ks 67625

16-7-21 Graham, Ks

Job Ticket: 17427

DST#: 2

ATTN: Great Eastern Energy

Test Start: 2003.02.11 @ 00:20:37

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Drilling Mud	0.005

Total Length: 1.00 ft

Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 3017

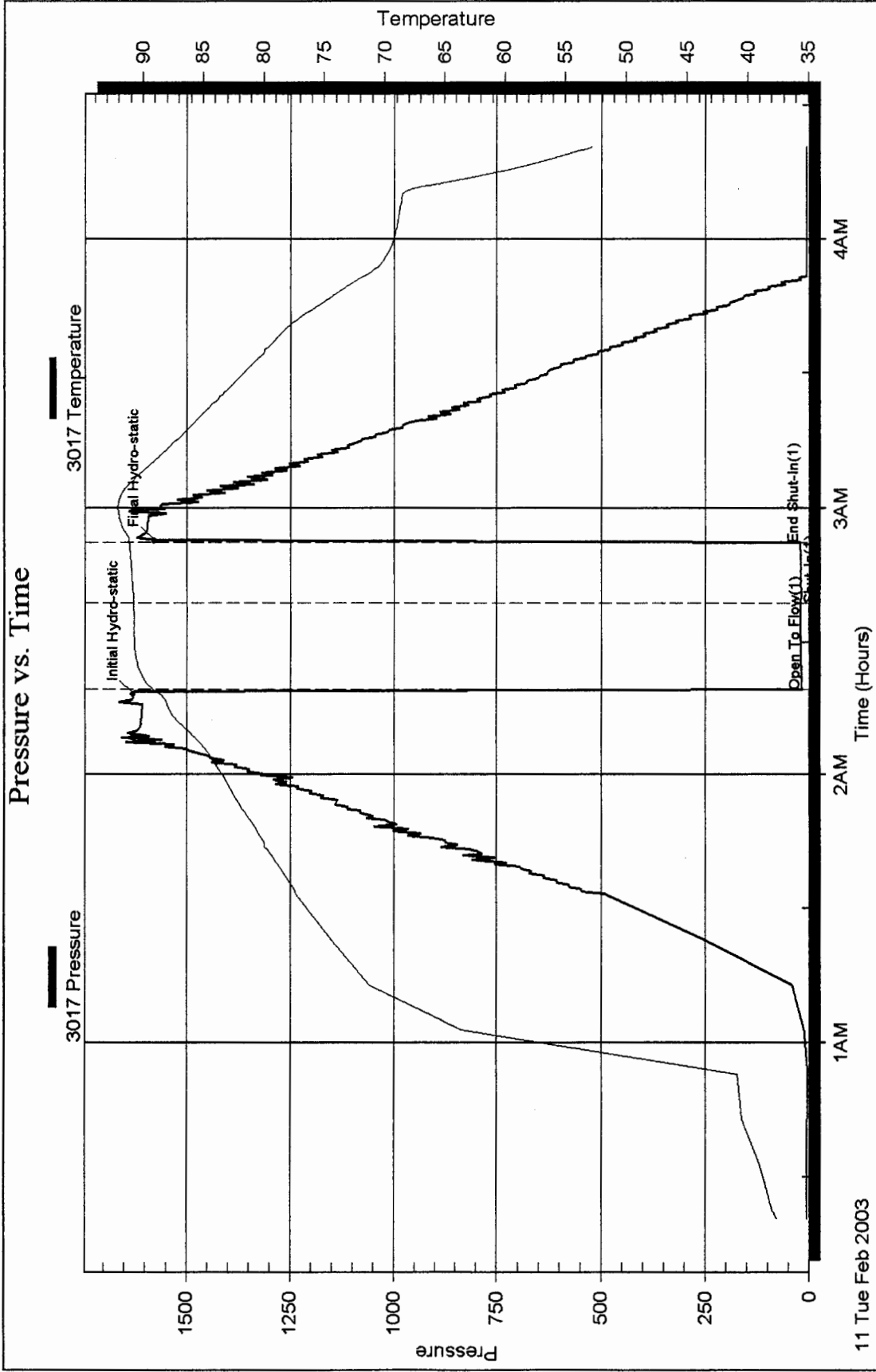
Inside

Great Eastern Energy & Dev Corp

16-7-21 Graham, Ks

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy & Dev Corp**

PO Box 150
Bogue, Ks 67625

ATTN: Great Eastern Energy

16-7-21 Graham, Ks

Insley #1

Start Date: 2003.02.11 @ 10:31:26

End Date: 2003.02.11 @ 14:21:26

Job Ticket #: 17428 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

Great Eastern Energy & Dev Corp

Insley #1

PO Box 150
Bogue, Ks 67625

16-7-21 Graham, Ks

Job Ticket: 17428

DST#: 3

ATTN: Great Eastern Energy

Test Start: 2003.02.11 @ 10:31:26

GENERAL INFORMATION:

Formation: **L.Kc.-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 14:21:26

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: **3415.00 ft (KB) To 3435.00 ft (KB) (TVD)**

Reference Elevations: 2139.00 ft (KB)

Total Depth: 3420.00 ft (KB) (TVD)

2134.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 3017 Inside

Press@RunDepth: psig @ 3417.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2003.02.11

End Date: 2003.02.11

Last Calib.: 2003.02.11

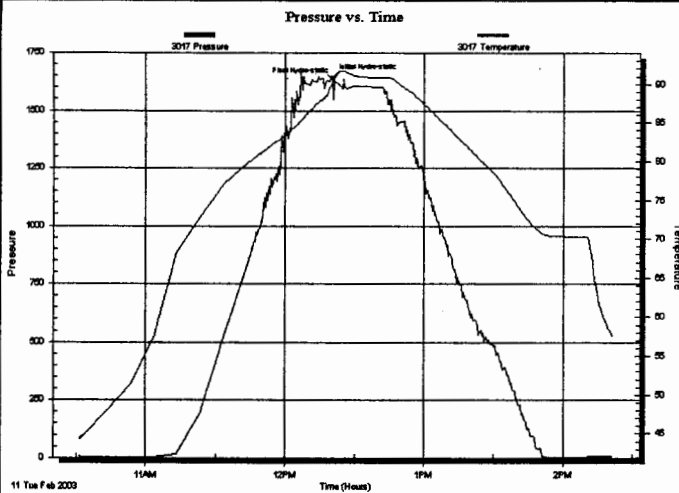
Start Time: 10:31:28

End Time: 14:21:26

Time On Btm: 2003.02.11 @ 12:20:26

Time Off Btm: 2003.02.11 @ 12:21:26

TEST COMMENT: F- Packer Failure



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1643.39	90.21	Initial Hydro-static
1	1625.25	90.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy & Dev Corp

Insley #1

PO Box 150
Bogue, Ks 67625

16-7-21 Graham, Ks

Job Ticket: 17428

DST#: 3

ATTN: Great Eastern Energy

Test Start: 2003.02.11 @ 10:31:26

Tool Information

Drill Pipe:	Length: 3299.00 ft	Diameter: 3.80 inches	Volume: 46.28 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 46.86 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial lb
Depth to Top Packer:	3415.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.02 ft			
Tool Length:	40.02 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			3396.00	
S.I. Tool	5.00			3401.00	
HMV	5.00			3406.00	
Packer	4.00			3410.00	20.00 Bottom Of Top Packer
Packer	5.00			3415.00	
Stubb	1.00			3416.00	
Perforations	1.00			3417.00	
Recorder	0.01	3017	Inside	3417.01	
Perforations	15.00			3432.01	
Recorder	0.01	13308	Outside	3432.02	
Bullnose	3.00			3435.02	20.02 Bottom Packers & Anchor

Total Tool Length: 40.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy & Dev Corp

Insley #1

PO Box 150
Bogue, Ks 67625

16-7-21 Graham, Ks

Job Ticket: 17428

DST#: 3

ATTN: Great Eastern Energy

Test Start: 2003.02.11 @ 10:31:26

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

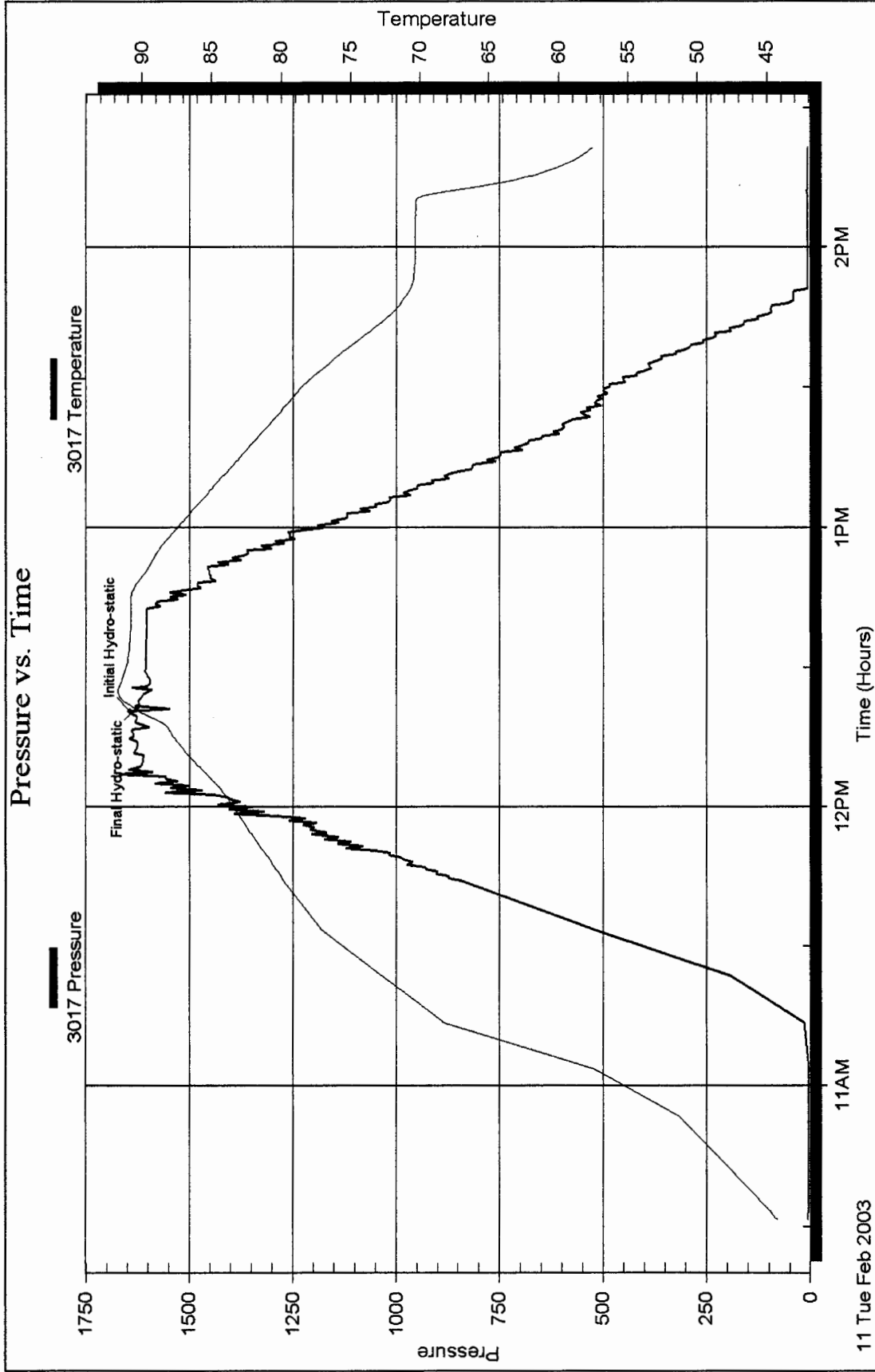
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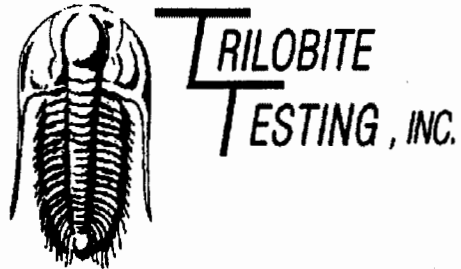
Inside

Great Eastern Energy & Dev Corp

16-7-21 Graham/Ks

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy & Dev Corp**

PO Box 150
Bogue, Ks 67625

ATTN: Great Eastern Energy

16-7-21 Graham, Ks

Insley #1

Start Date: 2003.02.11 @ 14:30:22

End Date: 2003.02.11 @ 20:47:52

Job Ticket #: 17429 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Great Eastern Energy & Dev Corp

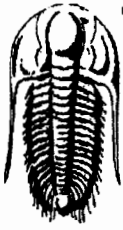
Insley #1

16-7-21 Graham, Ks

DST # 4

L.KC-D

2003.02.11



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Great Eastern Energy & Dev Corp
 PO Box 150
 Bogue, Ks 67625
 ATTN: Great Eastern Energy

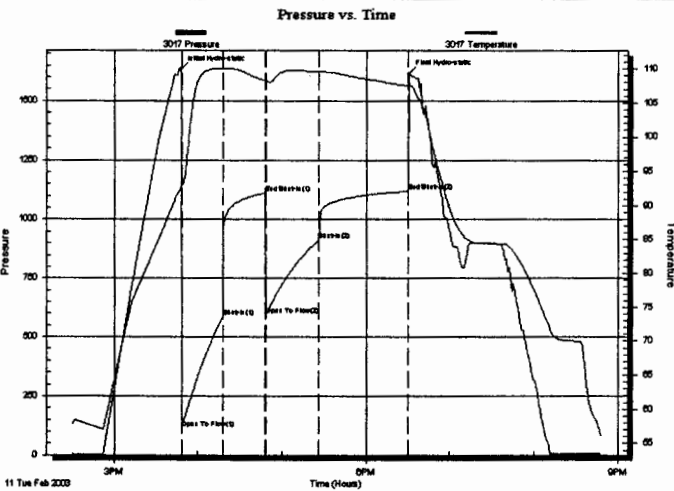
Insley #1
16-7-21 Graham, Ks
 Job Ticket: 17429 **DST#: 4**
 Test Start: 2003.02.11 @ 14:30:22

GENERAL INFORMATION:

Formation: **L.Kc.-D**
 Deviated: **No Whipstock:** **ft (KB)**
 Time Tool Opened: 15:48:52
 Time Test Ended: 20:47:52
 Interval: **3397.00 ft (KB) To 3435.00 ft (KB) (TVD)**
 Total Depth: **3435.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **John Schmidt**
 Unit No: **18**
 Reference Elevations: **2139.00 ft (KB)**
2134.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 3017 **Inside**
 Press@RunDepth: **911.04 psig @ 3399.01 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2003.02.11** End Date: **2003.02.11** Last Calib.: **2003.02.11**
 Start Time: **14:30:24** End Time: **20:47:52** Time On Btm: **2003.02.11 @ 15:47:52**
 Time Off Btm: **2003.02.11 @ 18:30:22**

TEST COMMENT: IF-Strong B.O.B. 1 min. ISI-Weak blow back
 FF-Strong B.O.B. 1 min. FSI-Weak blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1633.34	92.60	Initial Hydro-static
1	114.23	93.02	Open To Flow (1)
30	584.35	110.00	Shut-In(1)
61	1111.71	108.22	End Shut-In(1)
61	594.31	108.20	Open To Flow (2)
99	911.04	109.56	Shut-In(2)
162	1118.34	107.53	End Shut-In(2)
163	1614.46	107.50	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
1900.00	Salt Water	25.59

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy & Dev Corp

Insley #1

PO Box 150
Bogue, Ks 67625

16-7-21 Graham, Ks

Job Ticket: 17429

DST#: 4

ATTN: Great Eastern Energy

Test Start: 2003.02.11 @ 14:30:22

Tool Information

Drill Pipe:	Length: 3268.00 ft	Diameter: 3.80 inches	Volume: 45.84 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 46.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	3397.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.02 ft			
Tool Length:	58.02 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			3378.00	
S.I. Tool	5.00			3383.00	
HMV	5.00			3388.00	
Packer	4.00			3392.00	20.00 Bottom Of Top Packer
Packer	5.00			3397.00	
Stubb	1.00			3398.00	
Perforations	1.00			3399.00	
Recorder	0.01	3017	Inside	3399.01	
Perforations	33.00			3432.01	
Recorder	0.01	13308	Outside	3432.02	
Bullhose	3.00			3435.02	38.02 Bottom Packers & Anchor

Total Tool Length: 58.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy & Dev Corp

Insley #1

PO Box 150
Bogue, Ks 67625

16-7-21 Graham, Ks

Job Ticket: 17429

DST#: 4

ATTN: Great Eastern Energy

Test Start: 2003.02.11 @ 14:30:22

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 89.00 lb/gal

Cushion Length:

ft

Water Salinity:

50000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1900.00	Salt Water	25.586

Total Length: 1900.00 ft

Total Volume: 25.586 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

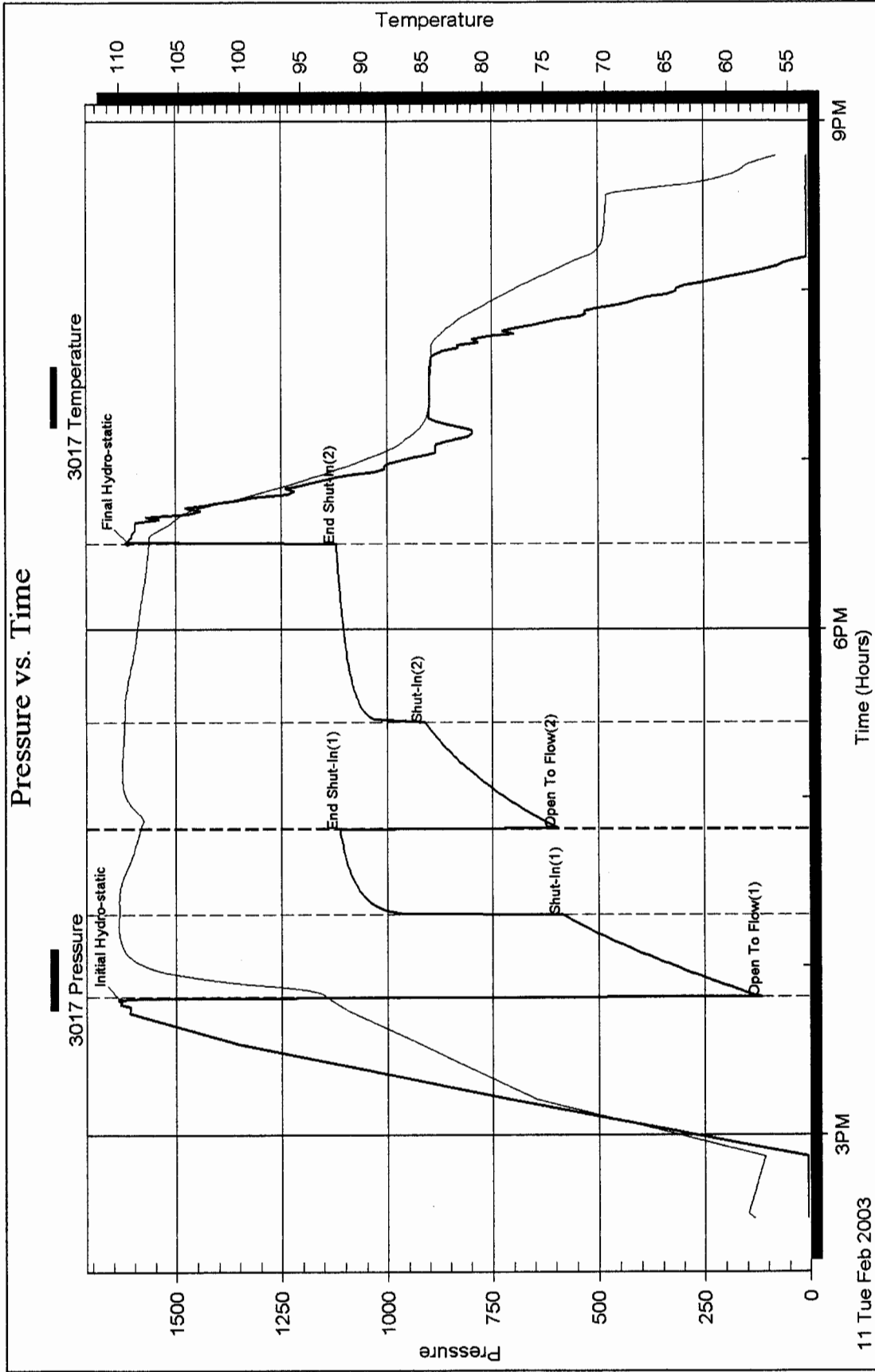
Serial #: 3017

Inside

Great Eastern Energy & Dev Corp

16-7-21 Graham, Ks

DST Test Number: 4

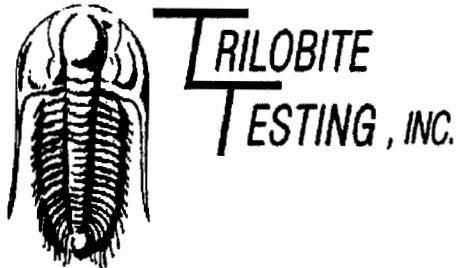


11 Tue Feb 2003

6PM

Time (Hours)

9PM



DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy & Dev Corp**

PO Box 150
Bogue, Ks 67625

ATTN: Great Eastern Energy

16-7-21 Graham, Ks

Insley #1

Start Date: 2003.02.12 @ 02:31:26

End Date: 2003.02.12 @ 08:47:26

Job Ticket #: 17430 DST #: 5

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 Eastern Energy & Dev Corp

Insley #1

PO Box 150
Bogue, Ks 67625

16-7-21 Graham, Ks

Job Ticket: 17430

DST#: 5

ATTN: Great Eastern Energy

Test Start: 2003.02.12 @ 02:31:26

GENERAL INFORMATION:

Formation: **L.Kc.-E&F**

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

Time Tool Opened: 04:21:26

Time Test Ended: 08:47:26

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3433.00 ft (KB) To 3460.00 ft (KB) (TVD)**

Reference Elevations: **2139.00 ft (KB)**

Total Depth: **3460.00 ft (KB) (TVD)**

2134.00 ft (CF)

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

KB to GR/CF: **5.00 ft**

Serial #: 3017

Inside

Press@RunDepth: **86.72 psig @ 3437.01 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2003.02.12**

End Date: **2003.02.12**

Last Calib.: **2003.02.12**

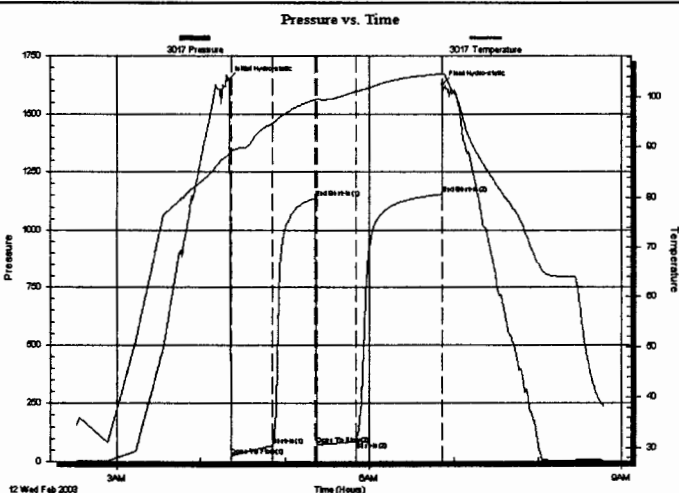
Start Time: **02:31:28**

End Time: **08:47:26**

Time On Btm: **2003.02.12 @ 04:19:26**

Time Off Btm: **2003.02.12 @ 06:51:56**

TEST COMMENT: IF-Weak built to 4" in. **ISI-Dead**
FF-Weak built to 3" in. **FSI-Dead**



PRESSURE SUMMARY

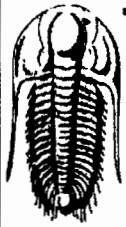
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1647.28	88.30	Initial Hydro-static
2	22.41	88.94	Open To Flow (1)
32	68.53	94.70	Shut-In(1)
62	1139.11	99.39	End Shut-In(1)
63	73.60	99.49	Open To Flow (2)
91	86.72	100.99	Shut-In(2)
152	1154.51	104.53	End Shut-In(2)
153	1627.23	104.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
145.00	S-O-M-C-W-5%oil-40%mud-55%water	0.97
5.00	Oil	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy & Dev Corp
 PO Box 150
 Bogue, Ks 67625
 ATTN: Great Eastern Energy

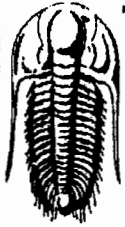
Insley #1
16-7-21 Graham, Ks
 Job Ticket: 17430 **DST#: 5**
 Test Start: 2003.02.12 @ 02:31:26

Tool Information

Drill Pipe:	Length: 3300.00 ft	Diameter: 3.80 inches	Volume: 46.29 bbl	Tool Weight: 28000.00 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 46.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	3433.00 ft			Final 69000.00 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	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3414.00	
S.I. Tool	5.00			3419.00	
HMV	5.00			3424.00	
Packer	4.00			3428.00	20.00 Bottom Of Top Packer
Packer	5.00			3433.00	
Stubb	1.00			3434.00	
Perforations	3.00			3437.00	
Recorder	0.01	3017	Inside	3437.01	
Perforations	20.00			3457.01	
Recorder	0.01	13308	Outside	3457.02	
Bullnose	3.00			3460.02	27.02 Bottom Packers & Anchor

Total Tool Length: 47.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy & Dev Corp

Insley #1

PO Box 150
Bogue, Ks 67625

16-7-21 Graham, Ks

Job Ticket: 17430

DST#: 5

ATTN: Great Eastern Energy

Test Start: 2003.02.12 @ 02:31:26

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:

60000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
145.00	S-O-M-C-W-5%oil-40%mud-55%w ater	0.968
5.00	Oil	0.070

Total Length: 150.00 ft

Total Volume: 1.038 bbf

Num Fluid Samples: 0

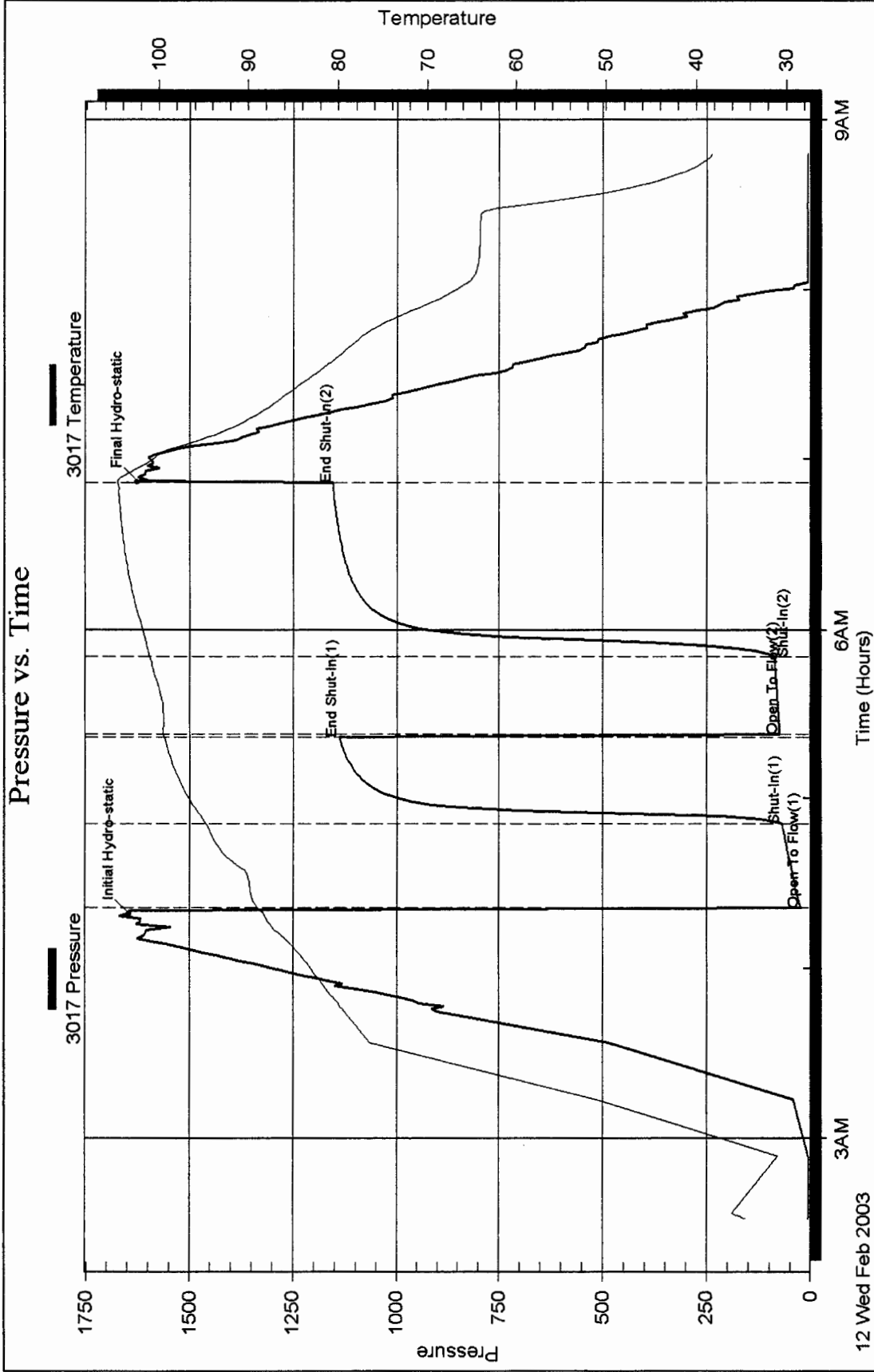
Num Gas Bombs: 0

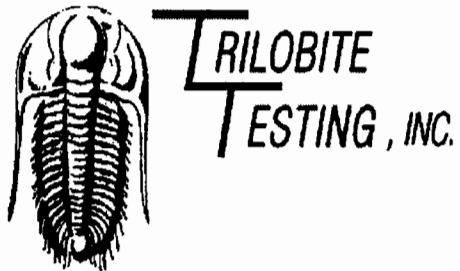
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy & Dev Corp**

PO Box 150
Bogue, Ks 67625

ATTN: Great Eastern Energy

16-7-21 Graham, Ks

Insley #1

Start Date: 2003.02.12 @ 13:56:23

End Date: 2003.02.12 @ 19:39:23

Job Ticket #: 17431 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Great Eastern Energy & Dev Corp

Insley #1

16-7-21 Graham, Ks

DST # 6

L.K.C.- G

2003.02.12



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Great Eastern Energy & Dev Corp

Insley #1

PO Box 150
Bogue, Ks 67625

16-7-21 Graham, Ks

Job Ticket: 17431

DST#: 6

ATTN: Great Eastern Energy

Test Start: 2003.02.12 @ 13:56:23

GENERAL INFORMATION:

Formation: **L.Kc.- G**

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

Time Tool Opened: 15:36:53

Time Test Ended: 19:39:23

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3455.00 ft (KB) To 3470.00 ft (KB) (TVD)**

Reference Elevations: **2139.00 ft (KB)**

Total Depth: **3470.00 ft (KB) (TVD)**

2134.00 ft (CF)

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

KB to GR/CF: **5.00 ft**

Serial #: 3017

Inside

Press@RunDepth: **896.06 psig @ 3457.01 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2003.02.12**

End Date: **2003.02.12**

Last Calib.: **2003.02.12**

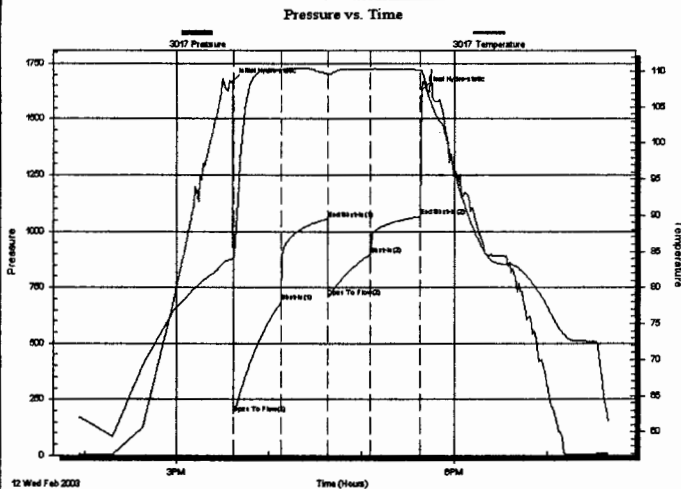
Start Time: **13:56:25**

End Time: **19:39:23**

Time On Btm: **2003.02.12 @ 15:36:23**

Time Off Btm: **2003.02.12 @ 17:38:53**

TEST COMMENT: IF-Strong B.O.B. in 45 Sec. ISI-Weak blow back.
FF-Strong B.O.B. in 1 min. FSI-Weak blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1666.85	83.98	Initial Hydro-static
1	186.11	84.06	Open To Flow (1)
32	684.67	110.30	Shut-In(1)
62	1055.58	109.60	End Shut-In(1)
62	707.64	109.58	Open To Flow (2)
89	896.06	110.33	Shut-In(2)
121	1065.05	110.12	End Shut-In(2)
123	1631.44	109.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1899.00	Salt water	25.57
1.00	Oil	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy & Dev Corp
 PO Box 150
 Bogue, Ks 67625
 ATTN: Great Eastern Energy

Insley #1
16-7-21 Graham, Ks
 Job Ticket: 17431 **DST#: 6**
 Test Start: 2003.02.12 @ 13:56:23

Tool Information

Drill Pipe:	Length: 3328.00 ft	Diameter: 3.80 inches	Volume: 46.68 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 47.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3455.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.02 ft			
Tool Length:	35.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

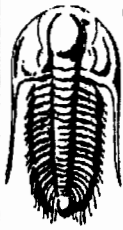
Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

C.O. Sub	1.00			3436.00	
S.I. Tool	5.00			3441.00	
HMV	5.00			3446.00	
Packer	4.00			3450.00	20.00 Bottom Of Top Packer
Packer	5.00			3455.00	
Stubb	1.00			3456.00	
Perforations	1.00			3457.00	
Recorder	0.01	3017	Inside	3457.01	
Perforations	10.00			3467.01	
Recorder	0.01	13308	Outside	3467.02	
Bullnose	3.00			3470.02	15.02 Bottom Packers & Anchor

Total Tool Length: 35.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy & Dev Corp

Insley #1

PO Box 150
Bogue, Ks 67625

16-7-21 Graham, Ks

Job Ticket: 17431

DST#: 6

ATTN: Great Eastern Energy

Test Start: 2003.02.12 @ 13:56:23

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:

60000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1899.00	Salt water	25.572
1.00	Oil	0.014

Total Length: 1900.00 ft

Total Volume: 25.586 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

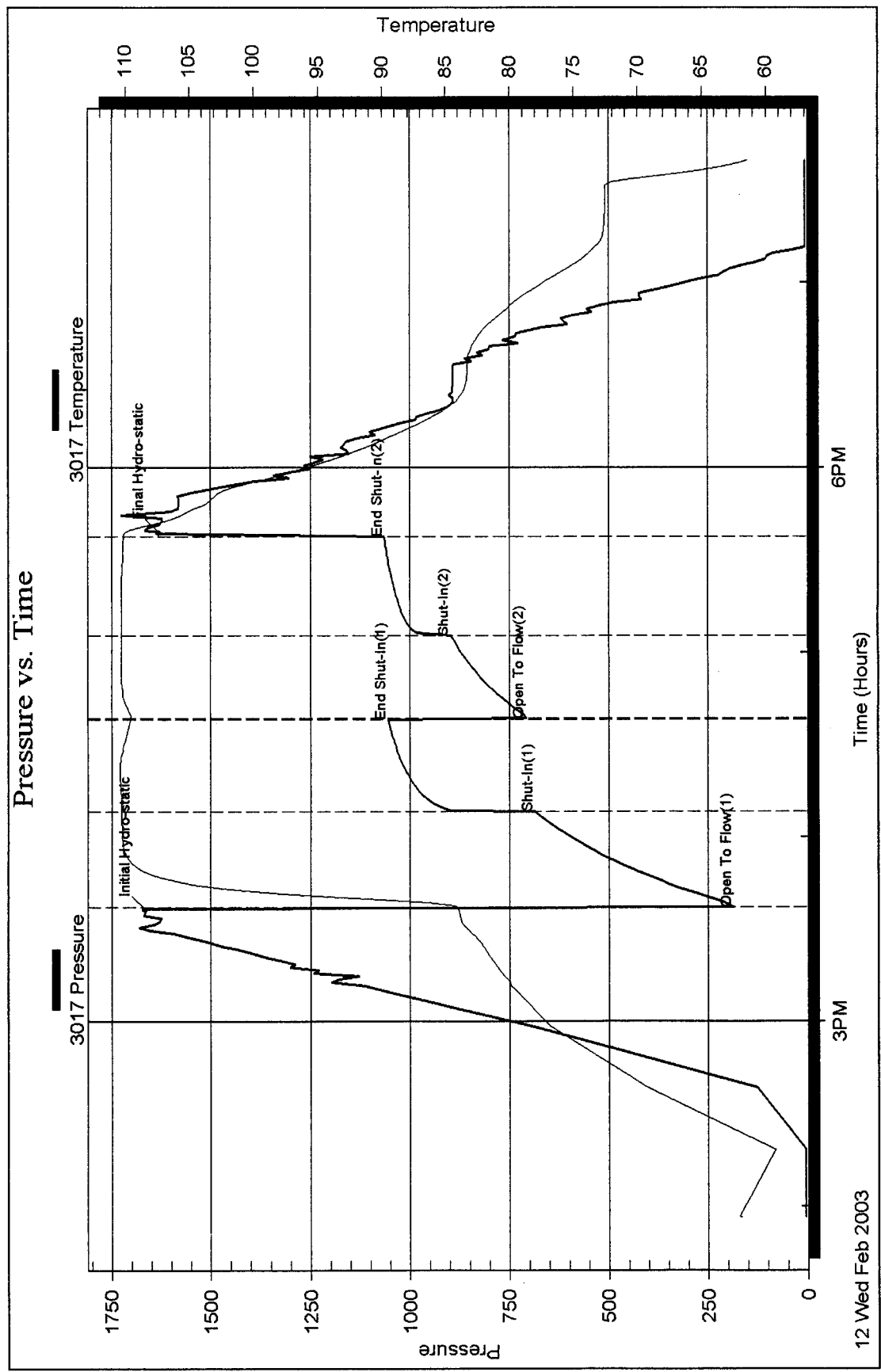
Serial #: 3017

Inside

Great Eastern Energy & Dev Corp

16-7-21 Graham, Ks

DST Test Number: 6

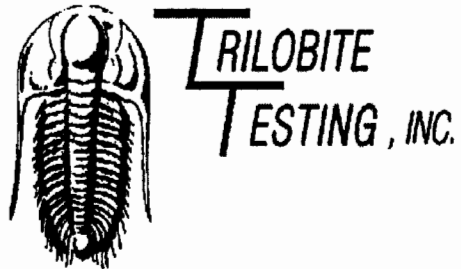


12 Wed Feb 2003

3PM

Time (Hours)

6PM



DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy & Dev Corp**

PO Box 150
Bogue, Ks 67625

ATTN: Great Eastern Energy

16-7-21 Graham, Ks

Insley #1

Start Date: 2003.02.13 @ 04:01:37

End Date: 2003.02.13 @ 11:01:07

Job Ticket #: 1743 2 DST #: 7

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Great Eastern Energy & Dev Corp

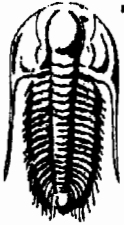
Insley #1

16-7-21 Graham, Ks

DST # 7

L.Kc.-

2003.02.13



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Great Eastern Energy & Dev Corp

Insley #1

PO Box 150
Bogue, Ks 67625

16-7-21 Graham, Ks

Job Ticket: 1743 2

DST#: 7

ATTN: Great Eastern Energy

Test Start: 2003.02.13 @ 04:01:37

GENERAL INFORMATION:

Formation: **L.Kc.-**

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

Time Tool Opened: 05:50:37

Time Test Ended: 11:01:07

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3530.00 ft (KB) To 3580.00 ft (KB) (TVD)**

Reference Elevations: **2139.00 ft (KB)**

Total Depth: **3420.00 ft (KB) (TVD)**

2134.00 ft (CF)

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

KB to GR/CF: **5.00 ft**

Serial #: 3017 **Inside**

Press@RunDepth: **328.81 psig @ 3535.01 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2003.02.13**

End Date: **2003.02.13**

Last Calib.: **2003.02.13**

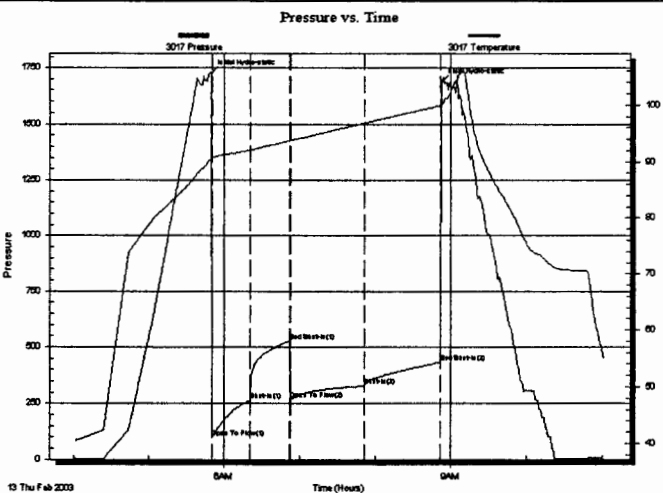
Start Time: **04:01:39**

End Time: **11:01:07**

Time On Btm: **2003.02.13 @ 05:49:37**

Time Off Btm: **2003.02.13 @ 08:52:37**

TEST COMMENT: IF-Strong B.O.B. in 1-min. IS-Weak blow back
FF-Good to Strong B.O.B. in 14 min. FSI-



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1723.08	90.42	Initial Hydro-static
1	98.83	90.60	Open To Flow (1)
31	263.76	92.06	Shut-In(1)
62	528.04	93.73	End Shut-In(1)
63	267.68	93.79	Open To Flow (2)
121	328.81	96.77	Shut-In(2)
182	433.47	99.87	End Shut-In(2)
183	1685.05	99.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
650.00	Salt water	8.05
20.00	Gassy oil 15 %gas-85% oil	0.28
0.00	130 gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy & Dev Corp

Insley #1

PO Box 150
Bogue, Ks 67625

16-7-21 Graham, Ks

Job Ticket: 1743 2

DST#: 7

ATTN: Great Eastern Energy

Test Start: 2003.02.13 @ 04:01:37

Tool Information

Drill Pipe:	Length: 3423.00 ft	Diameter: 3.80 inches	Volume: 48.02 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 48.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	3530.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.02 ft			
Tool Length:	70.02 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			3511.00	
S.I. Tool	5.00			3516.00	
HMV	5.00			3521.00	
Packer	4.00			3525.00	20.00 Bottom Of Top Packer
Packer	5.00			3530.00	
Stubb	1.00			3531.00	
Perforations	3.00			3534.00	
C.O. Sub	1.00			3535.00	
Recorder	0.01	3017	Inside	3535.01	
Blank Spacing	31.00			3566.01	
C.O. Sub	1.00			3567.01	
Perforations	10.00			3577.01	
Recorder	0.01	13308	Outside	3577.02	
Bullnose	3.00			3580.02	50.02 Bottom Packers & Anchor

Total Tool Length: 70.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy & Dev Corp

Insley #1

PO Box 150
Bogue, Ks 67625

16-7-21 Graham, Ks

Job Ticket: 1743 2

DST#: 7

ATTN: Great Eastern Energy

Test Start: 2003.02.13 @ 04:01:37

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:

56000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
650.00	Salt water	8.052
20.00	Gassy oil 15 %gas-85% oil	0.281
0.00	130 gas in pipe	0.000

Total Length: 670.00 ft

Total Volume: 8.333 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 3017

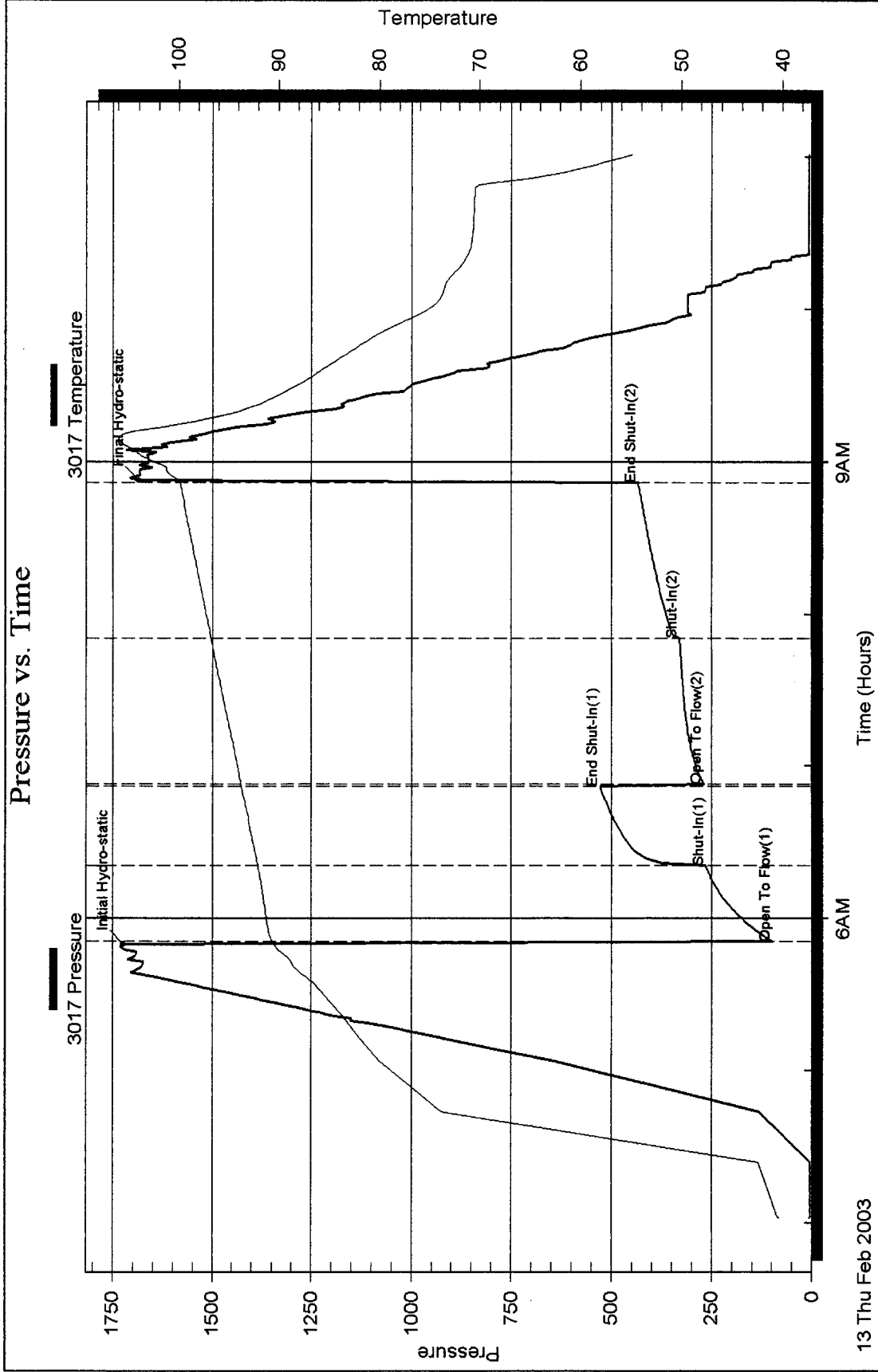
Inside

Great Eastern Energy & Dev Corp

16-7-21 Graham, Ks

DST Test Number: 7

Pressure vs. Time



13 Thu Feb 2003

6AM

9AM

Time (Hours)