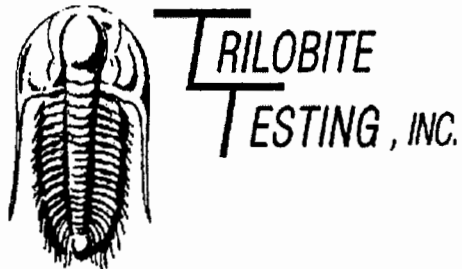


RELEASED
FROM
CONFIDENTIAL

RECEIVED
SEP 02 2003
KCC WICHITA



DRILL STEM TEST REPORT

Prepared For: Great Eastern Energy&Develop

Box 150

Bogue Ks 67625

CONFIDENTIAL KCC

ATTN: Mike Davignon

AUG 26 2003

26-6s-21w Graham Ks

L.Johnson #1

Start Date: 2003.07.04 @ 13:37:28

End Date: 2003.07.04 @ 19:35:12

Job Ticket #: 17041

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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ORIGINAL


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Great Eastern Energy&Develop

L.Johnson #1

Box 150
Bogue Ks 67625

26-6s-21w Graham Ks

Job Ticket: 17041

DST#: 1

ATTN: Mike Davignon

Test Start: 2003.07.04 @ 13:37:28

GENERAL INFORMATION:

Formation: LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:43:27

Time Test Ended: 19:35:12

Interval: 3435.00 ft (KB) To 3490.00 ft (KB) (TVD)

Total Depth: 3490.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 16

Reference Elevations: 2244.00 ft (KB)

2239.00 ft (CF)

KB to GR/CF: 5.00 ft

KCC

AUG 2 6 2003

CONFIDENTIAL

Serial #: 6668

Inside

Press@RunDepth: 49.74 psig @ 3438.01 ft (KB)

Start Date: 2003.07.04

End Date:

2003.07.04

Start Time: 13:37:28

End Time:

19:35:12

Capacity: 7000.00 psig

Last Calib.: 2003.07.04

Time On Btm: 2003.07.04 @ 15:43:12

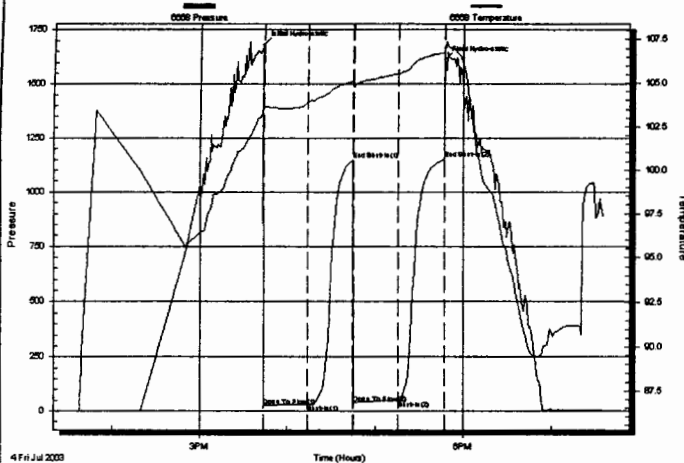
Time Off Btm: 2003.07.04 @ 17:47:12

TEST COMMENT: IFP- w k surface bl thru-out

FFP-no bl

Times 30-30-30-30

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1680.40	103.75	Initial Hydro-static
1	24.49	103.60	Open To Flow (1)
31	31.57	103.88	Shut-in(1)
62	1148.26	105.11	End Shut-in(1)
62	37.54	104.80	Open To Flow (2)
93	49.74	105.56	Shut-in(2)
124	1151.64	106.73	End Shut-in(2)
124	1612.09	106.84	Final Hydro-static

Recovery

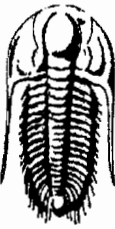
Length (ft)	Description	Volume (bbl)
60.00	MO 40% mud 60% oil	0.30
20.00	CO	0.10
0.00	40 GIP	0.00

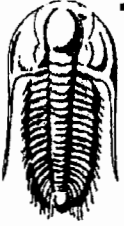
Gas Rates

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

ORIGINAL

TRILOBITE TESTING, INC.		DRILL STEM TEST REPORT		TOOL DIAGRAM	
		Great Eastern Energy & Develop		L. Johnson #1	
		Box 150 Bogue Ks 67625		26-6s-21w Graham Ks	
		ATTN: Mike Davignon		Job Ticket: 17041 DST#: 1	
				Test Start: 2003.07.04 @ 13:37:28	
Tool Information					
Drill Pipe:	Length: 3242.00 ft	Diameter: 3.80 inches	Volume: 45.48 bbl	Tool Weight: 2200.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 60000.00 lb	
			Total Volume: 46.37 bbl	Tool Chased: 0.00 ft	
Drill Pipe Above KB:	8.00 ft				
Depth to Top Packer:	3435.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	55.02 ft				
Tool Length:	76.02 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					
KCC AUG 26 2003 CONFIDENTIAL					
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3415.00	
Shut In Tool	5.00			3420.00	
Hydraulic tool	5.00			3425.00	
Packer	5.00			3430.00	21.00 Bottom Of Top Packer
Packer	5.00			3435.00	
Stubb	1.00			3436.00	
Perforations	1.00			3437.00	
Change Over Sub	1.00			3438.00	
Recorder	0.01	6668	Inside	3438.01	
Blank Spacing	31.00			3469.01	
Change Over Sub	1.00			3470.01	
Perforations	17.00			3487.01	
Recorder	0.01	11085	Outside	3487.02	
Bullnose	3.00			3490.02	55.02 Bottom Packers & Anchor
Total Tool Length:		76.02			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy&Develop

L.Johnson #1

Box 150
Bogue Ks 67625

26-6s-21w Graham Ks

Job Ticket: 17041

DST#: 1

ATTN: Mike Davignon

Test Start: 2003.07.04 @ 13:37:28

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:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.33 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MO 40% mud 60% oil	0.295
20.00	CO	0.098
0.00	40 GIP	0.000

Total Length: 80.00 ft

Total Volume: 0.393 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

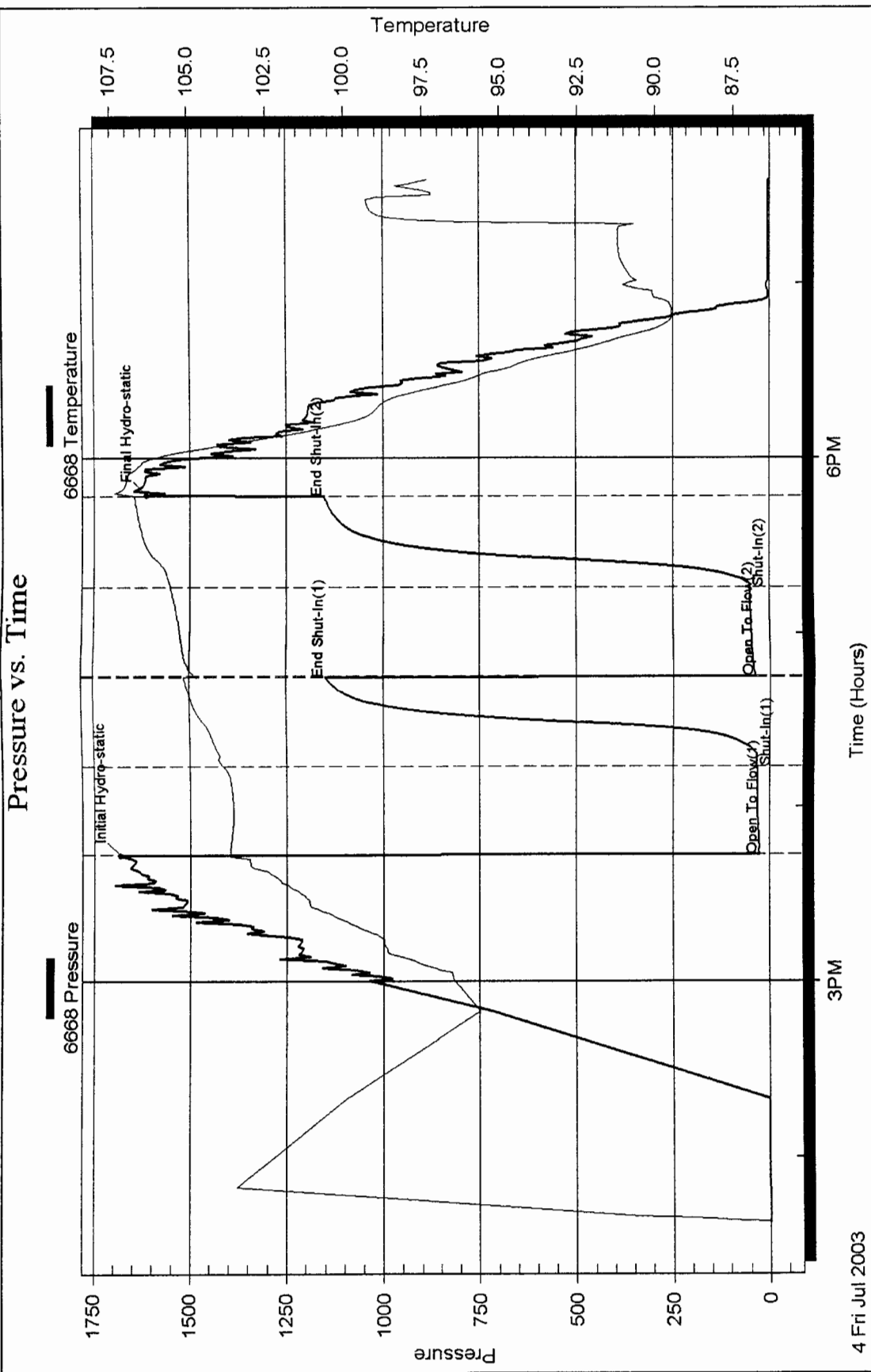
26-6s-21w Graham Ks

Great Eastern Energy&Develop

Inside

Serial #: 6668

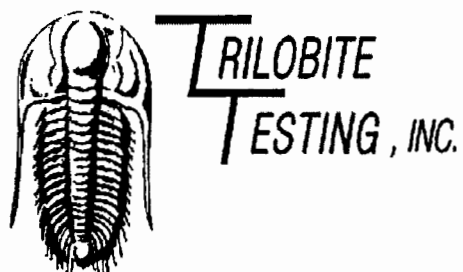
Pressure vs. Time



Ref. No: 17041

Trilobite Testing, Inc

Printed: 2003.07.16 @ 14:54:13 Page 5



DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy&Develop**

Box 150
Bogue Ks 67625

ATTN: Mike Davignon

26-6s-21w Graham Ks

L.Johnson #1

Start Date: 2003.07.05 @ 02:37:16

End Date: 2003.07.05 @ 10:38:15

Job Ticket #: 17042 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 Eastern Energy&Develop

L.Johnson #1

Box 150
Bogue Ks 67625

26-6s-21w Graham Ks

Job Ticket: 17042

DST#: 2

ATTN: Mike Davignon

Test Start: 2003.07.05 @ 02:37:16

GENERAL INFORMATION:

Formation: **LKC**

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

Time Tool Opened: 04:16:15

Time Test Ended: 10:38:15

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **16**

Interval: **3495.00 ft (KB) To 3525.00 ft (KB) (TVD)**

Reference Elevations: **2244.00 ft (KB)**

Total Depth: **3525.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

2239.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6668

Inside

Press@RunDepth: **603.10 psig @ 3497.01 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2003.07.05**

End Date:

2003.07.05

Last Calib.:

2003.07.05

Start Time: **02:37:16**

End Time:

10:38:15

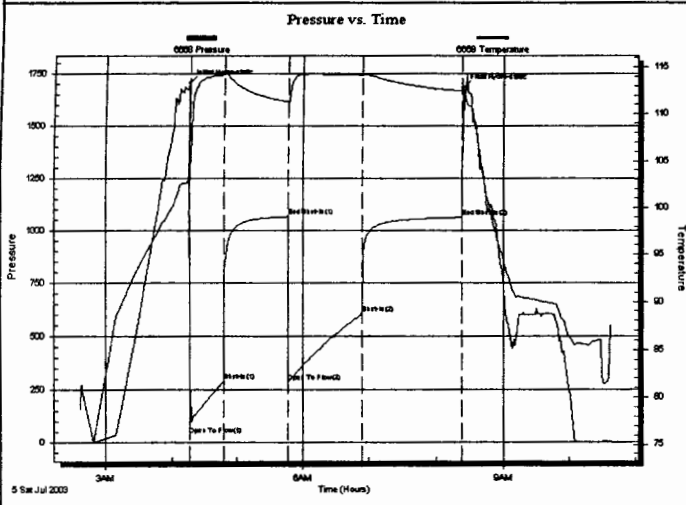
Time On Btm:

2003.07.05 @ 04:15:45

Time Off Btm:

2003.07.05 @ 08:23:45

TEST COMMENT: IFP-w k to strg in 7 min
FFP-w k to strg in 9 min
Times 30-60-60-90
no bl on shut-in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1704.95	103.98	Initial Hydro-static
1	38.22	103.89	Open To Flow (1)
32	289.62	114.16	Shut-In(1)
91	1066.59	111.28	End Shut-In(1)
91	288.19	111.10	Open To Flow (2)
158	603.10	114.12	Shut-In(2)
247	1062.28	112.43	End Shut-In(2)
248	1682.74	112.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1280.00	water w/scum of oil	16.32
0.00	RW .17@84F	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

Great Eastern Energy&Develop

L.Johnson #1

Box 150
Bogue Ks 67625

26-6s-21w Graham Ks

Job Ticket: 17042

DST#: 2

ATTN: Mike Davignon

Test Start: 2003.07.05 @ 02:37:16

Tool Information

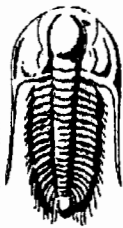
Drill Pipe:	Length: 3304.00 ft	Diameter: 3.80 inches	Volume: 46.35 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 47.24 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3495.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.02 ft			
Tool Length:	51.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3475.00	
Shut In Tool	5.00			3480.00	
Hydraulic tool	5.00			3485.00	
Packer	5.00			3490.00	21.00 Bottom Of Top Packer
Packer	5.00			3495.00	
Stubb	1.00			3496.00	
Perforations	1.00			3497.00	
Recorder	0.01	6668	Inside	3497.01	
Perforations	25.00			3522.01	
Recorder	0.01	11085	Outside	3522.02	
Bullnose	3.00			3525.02	30.02 Bottom Packers & Anchor

Total Tool Length: 51.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy&Develop

L.Johnson #1

Box 150
Bogue Ks 67625

26-6s-21w Graham Ks

Job Ticket: 17042

DST#: 2

ATTN: Mike Davignon

Test Start: 2003.07.05 @ 02:37:16

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:

38000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.13 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1280.00	water w/scum of oil	16.315
0.00	RW .17@84F	0.000

Total Length: 1280.00 ft

Total Volume: 16.315 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 2

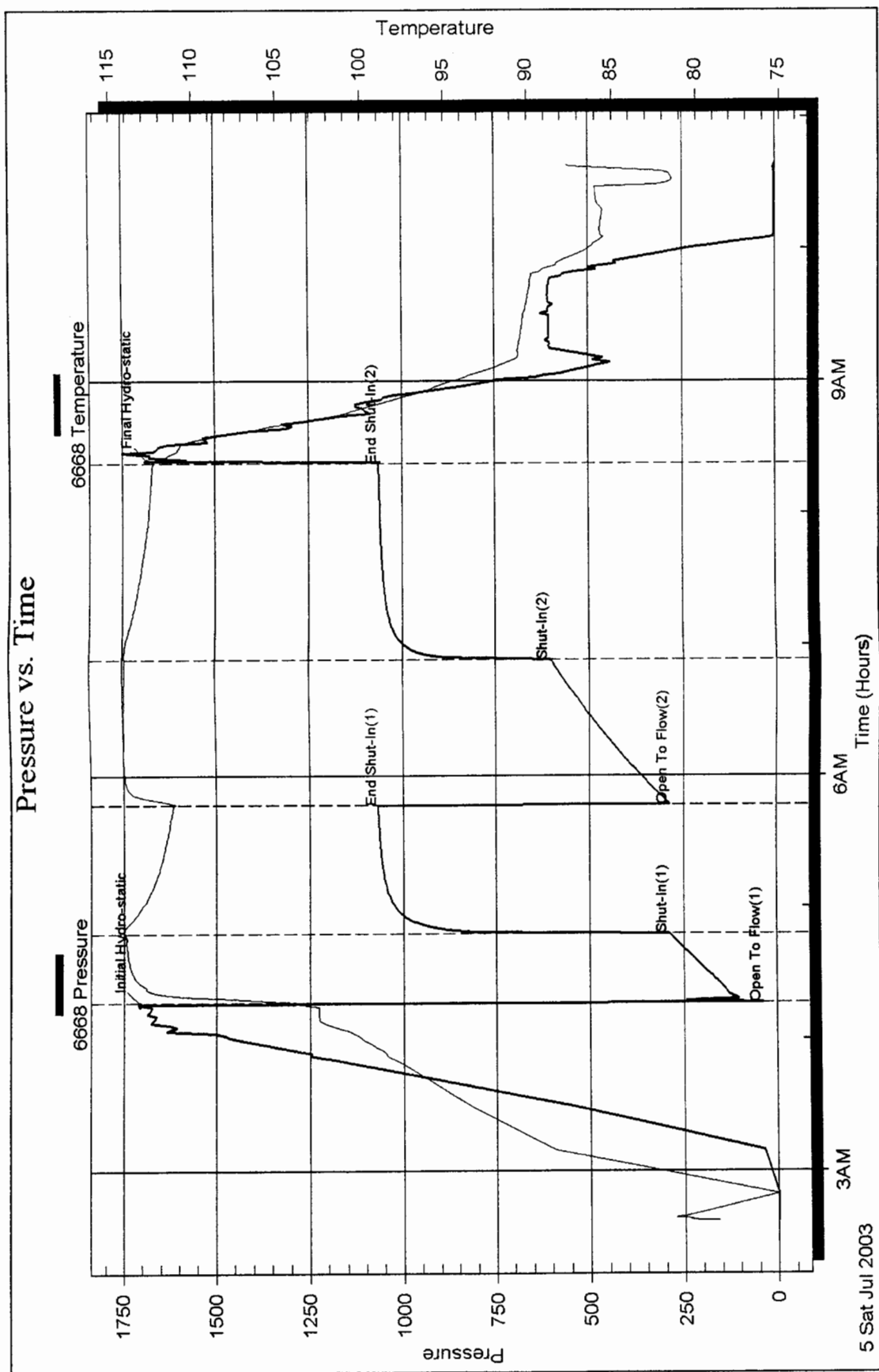
26-6s-21w Graham Ks

Great Eastern Energy&Develop

Inside

Serial #: 6668

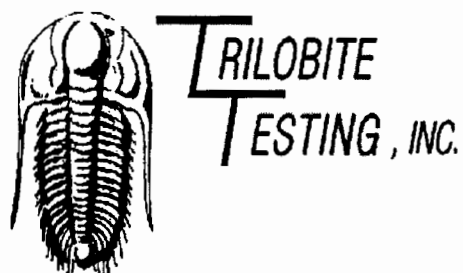
Pressure vs. Time



Ref. No: 17042

Trilobite Testing, Inc

Printed: 2003.07.16 @ 14:55:02 Page 5



DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy&Develop**

Box 150
Bogue Ks 67625

ATTN: Mike Davignon

26-6s-21w Graham Ks

L.Johnson #1

Start Date: 2003.07.05 @ 16:00:24

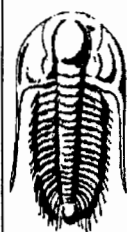
End Date: 2003.07.05 @ 22:49:53

Job Ticket #: 17043 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&Develop

L.Johnson #1

Box 150
Bogue Ks 67625

26-6s-21w Graham Ks

Job Ticket: 17043

DST#: 3

ATTN: Mike Davignon

Test Start: 2003.07.05 @ 16:00:24

GENERAL INFORMATION:

Formation: **LKC "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:08:23

Time Test Ended: 22:49:53

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 16

Interval: **3515.00 ft (KB) To 3535.00 ft (KB) (TVD)**

Reference Elevations: 2244.00 ft (KB)

Total Depth: 3535.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

2239.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6668

Inside

Press@RunDepth: 486.53 psig @ 3517.01 ft (KB)

Start Date: 2003.07.05

End Date: 2003.07.05

Start Time: 16:00:24

End Time: 22:49:53

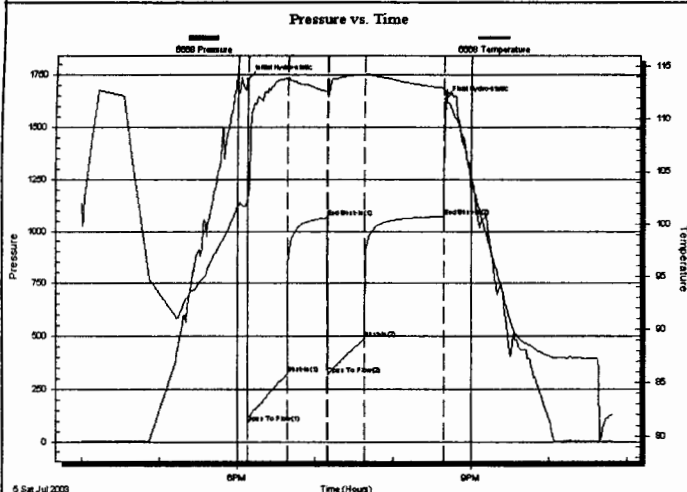
Capacity: 7000.00 psig

Last Calib.: 2003.07.05

Time On Btm: 2003.07.05 @ 18:07:53

Time Off Btm: 2003.07.05 @ 20:39:53

TEST COMMENT: FP-w k to strg in 4 min
FFP-w k to strg in 10 min
Times 30-30-30-60
no bl on shut-in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1731.39	102.33	Initial Hydro-static
1	90.67	102.30	Open To Flow (1)
31	319.98	113.77	Shut-In(1)
62	1064.31	112.61	End Shut-In(1)
63	319.13	112.15	Open To Flow (2)
91	486.53	114.17	Shut-In(2)
152	1071.03	112.91	End Shut-In(2)
152	1632.94	112.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
340.00	SOCW 1%oil 99%w ater	3.13
410.00	OCW 6%oil 94%w ater	5.75
120.00	OCMW 6%oil 5%mud 89%w ater	1.68
0.00	RW .2@70F	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

Great Eastern Energy&Develop

L.Johnson #1

Box 150
Bogue Ks 67625

26-6s-21w Graham Ks

Job Ticket: 17043

DST#: 3

ATTN: Mike Davignon

Test Start: 2003.07.05 @ 16:00:24

Tool Information

Drill Pipe:	Length: 3334.00 ft	Diameter: 3.80 inches	Volume: 46.77 bbl	Tool Weight: 2200.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 47.66 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3515.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.02 ft			
Tool Length:	41.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3495.00	
Shut In Tool	5.00			3500.00	
Hydraulic tool	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	
Perforations	1.00			3517.00	
Recorder	0.01	6668	Inside	3517.01	
Perforations	15.00			3532.01	
Recorder	0.01	11085	Outside	3532.02	
Bullnose	3.00			3535.02	20.02 Bottom Packers & Anchor

Total Tool Length: 41.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy&Develop

L. Johnson #1

Box 150

26-6s-21w Graham Ks

Bogue Ks 67625

Job Ticket: 17043

DST#: 3

ATTN: Mike Davignon

Test Start: 2003.07.05 @ 16:00:24

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

38000 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.74 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
340.00	SOCW 1%oil 99%w ater	3.130
410.00	OCW 6%oil 94%w ater	5.751
120.00	OCMW 6%oil 5%mud 89%w ater	1.683
0.00	RW .2@70F	0.000

Total Length: 870.00 ft

Total Volume: 10.564 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

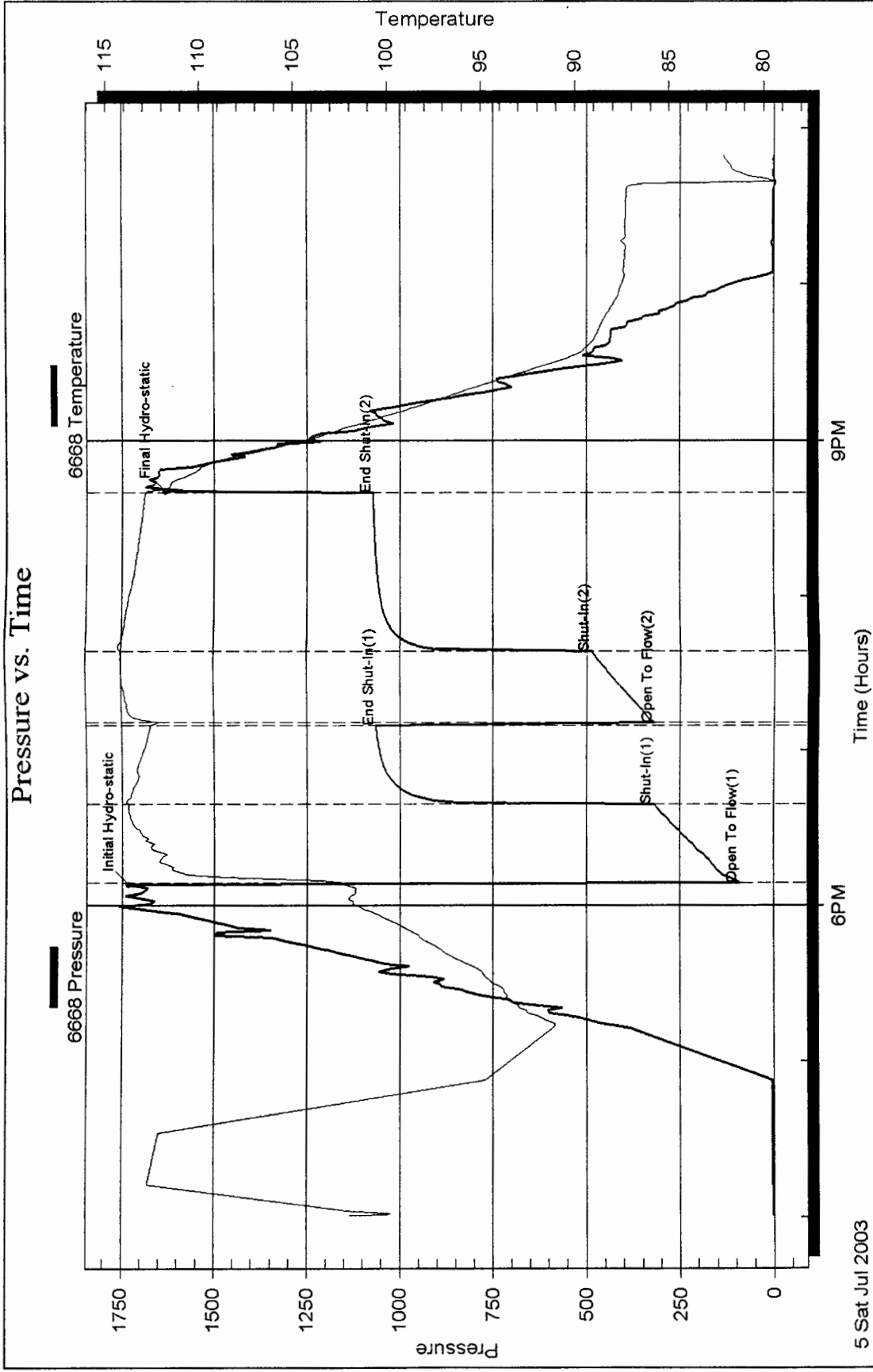
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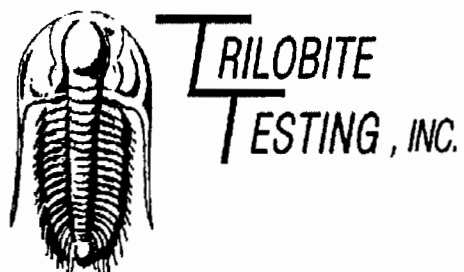
Inside Great Eastern Energy&Develop

26-6s-21w Graham Ks

DST Test Number: 3

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy&Develop**

Box 150
Bogue Ks 67625

ATTN: Mike Davignon

26-6s-21w Graham Ks

L.Johnson #1

Start Date: 2003.07.05 @ 22:57:07

End Date: 2003.07.06 @ 06:24:36

Job Ticket #: 17044 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

A detailed black and white illustration of a trilobite fossil, showing its segmented body, head, and tail. The fossil is oriented vertically, with the head at the top and the tail at the bottom. The body is divided into several segments, each with a distinct central ridge and lateral ridges. The head is large and rounded, with a prominent eye. The tail is long and tapers to a point. The illustration is a high-contrast, black and white drawing, typical of a scientific illustration.

TRILOBITE
TESTING, INC.

Great Eastern Energy&Develop

Box 150
Bogue Ks 67625

ATTN: Mike Davignon

L.Johnson #1

26-6s-21w Graham Ks

Job Ticket: 17044

DST#: 4

Test Start: 2003.07.05 @ 22:57:07

GENERAL INFORMATION:

Formation: LKC "D"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:26:36

Time Test Ended: 06:24:36

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 16

Interval: 3525.00 ft (KB) To 3535.00 ft (KB) (TVD)

Total Depth: 3535.00 ft (KB) (TVD)

Hole Diameter: 7.85 inchesHole Condition: Fair

Reference Elevations: 2244.00 ft (KB)

2239.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6668

Inside

Press@RunDepth: 211.27 psig @ 3526.01 ft (KB)

Start Date: 2003.07.05

End Date:

2003.07.06

Start Time: 22:57:07

End Time:

06:24:36

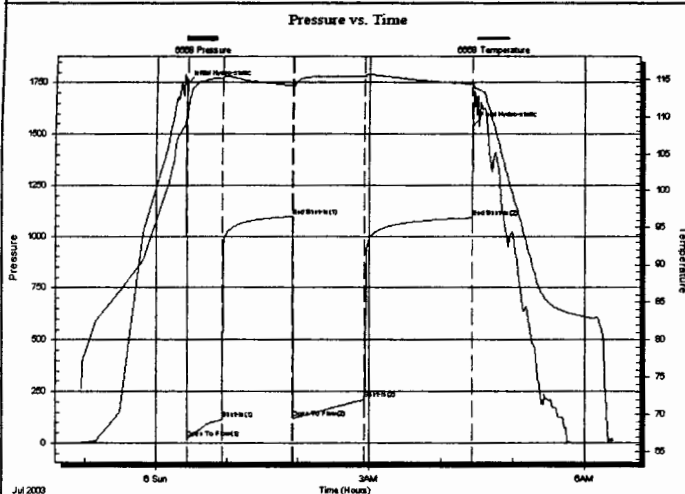
Capacity: 7000.00 psig

Last Calib.: 2003.07.06

Time On Btm: 2003.07.06 @ 00:25:06

Time Off Btm: 2003.07.06 @ 04:27:06

TEST COMMENT: IFF-w k to a fr bl 1/2" to 4" bl
 FFF-w k bl thru-out 1/4" to 2" bl
 Times 30-60-60-90
 no bl on shut-in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1743.33	109.73	Initial Hydro-static
2	22.82	110.47	Open To Flow (1)
31	114.67	115.11	Shut-In(1)
91	1095.98	114.12	End Shut-In(1)
91	119.05	113.85	Open To Flow (2)
152	211.27	115.34	Shut-In(2)
242	1090.01	114.29	End Shut-In(2)
242	1540.95	114.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	water w/show of oil	1.87
105.00	socw 1%oil 99%water	1.47
20.00	clean oil	0.28
0.00	RW .21@66F	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

Great Eastern Energy&Develop

L.Johnson #1

Box 150
Bogue Ks 67625

26-6s-21w Graham Ks

Job Ticket: 17044

DST#: 4

ATTN: Mike Davignon

Test Start: 2003.07.05 @ 22:57:07

Tool Information

Drill Pipe:	Length: 3334.00 ft	Diameter: 3.80 inches	Volume: 46.77 bbl	Tool Weight: 2200.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 47.66 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3525.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.02 ft			
Tool Length:	31.02 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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Change Over Sub	1.00			3505.00	
Shut In Tool	5.00			3510.00	
Hydraulic tool	5.00			3515.00	
Packer	5.00			3520.00	21.00 Bottom Of Top Packer
Packer	5.00			3525.00	
Stubb	1.00			3526.00	
Recorder	0.01	6668	Inside	3526.01	
Perforations	6.00			3532.01	
Recorder	0.01	11085	Outside	3532.02	
Bullnose	3.00			3535.02	10.02 Bottom Packers & Anchor
Total Tool Length:	31.02				

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	Great Eastern Energy&Develop Box 150 Bogue Ks 67625 ATTN: Mike Davignon	L.Johnson #1 26-6s-21w Graham Ks Job Ticket: 17044 DST#: 4 Test Start: 2003.07.05 @ 22:57:07	

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 31 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 38000 ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.76 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 700.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	water w/show of oil	1.867
105.00	socw 1%oil 99%water	1.473
20.00	clean oil	0.281
0.00	RW .21@66F	0.000

Total Length: 375.00 ft	Total Volume: 3.621 bbl	
Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:
Laboratory Name:	Laboratory Location:	
Recovery Comments:		

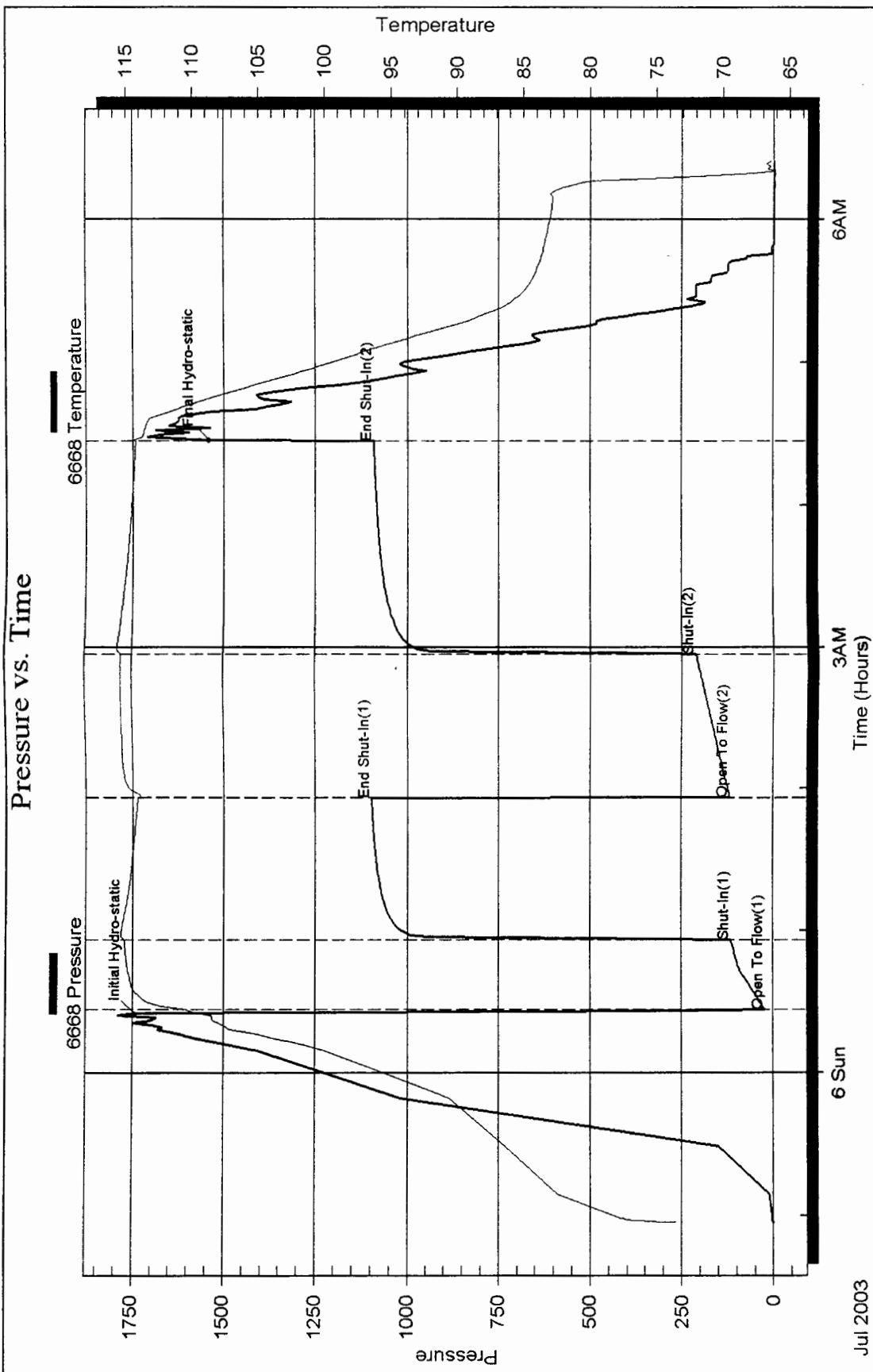
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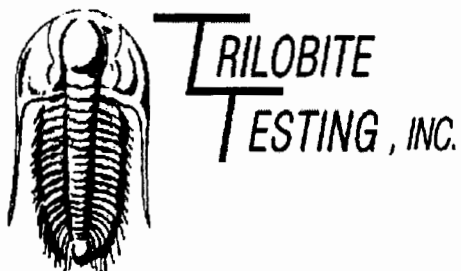
Inside Great Eastern Energy&Develop

26-6s-21w Graham Ks

DST Test Number: 4

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy&Develop**

Box 150
Bogue Ks 67625

ATTN: Mike Davignon

26-6s-21w Graham Ks

L.Johnson #1

Start Date: 2003.07.06 @ 20:36:46

End Date: 2003.07.07 @ 04:01:01

Job Ticket #: 17045 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

79957



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Great Eastern Energy&Develop

L.Johnson #1

Box 150
Bogue Ks 67625

26-6s-21w Graham Ks

Job Ticket: 17045

DST#: 5

ATTN: Mike Davignon

Test Start: 2003.07.06 @ 20:36:46

GENERAL INFORMATION:

Formation: **LKC I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:21:01

Time Test Ended: 04:01:01

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 16

Interval: **3615.00 ft (KB) To 3670.00 ft (KB) (TVD)**

Reference Elevations: 2244.00 ft (KB)

Total Depth: 3670.00 ft (KB) (TVD)

2239.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6668

Inside

Press@RunDepth: 181.95 psig @ 3618.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2003.07.06

End Date:

2003.07.07

Last Calib.:

2003.07.07

Start Time: 20:36:46

End Time:

04:01:01

Time On Btm:

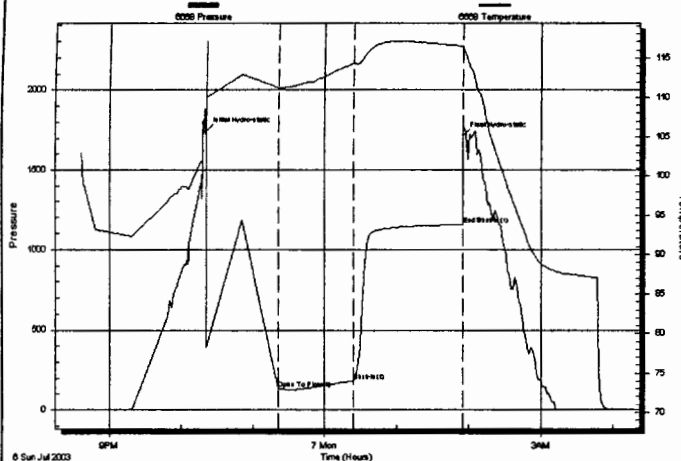
2003.07.06 @ 22:20:47

Time Off Btm:

2003.07.07 @ 01:55:01

TEST COMMENT: IFP-w k bl thru-out 1/2"to2"bl
FFP-w k to a fr bl 1/2"to 4 1/2"bl
Times 30-30-60-90
w k bl bk on shut-in

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1743.10	107.59	Initial Hydro-static
61	129.98	111.27	Open To Flow (1)
124	181.95	114.23	Shut-In (1)
214	1154.41	116.41	End Shut-In (1)
215	1716.38	116.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	O&GCM 10%oil 20%gas 70%mud	2.15
180.00	Clean Oil	2.52
0.00	60'Gip	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

Great Eastern Energy&Develop

L.Johnson #1

Box 150
Bogue Ks 67625

26-6s-21w Graham Ks

Job Ticket: 17045

DST#: 5

ATTN: Mike Davignon

Test Start: 2003.07.06 @ 20:36:46

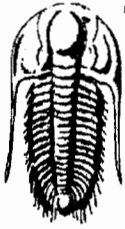
Tool Information

Drill Pipe:	Length: 3427.00 ft	Diameter: 3.80 inches	Volume: 48.07 bbl	Tool Weight: 2200.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 48.96 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3615.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.02 ft			
Tool Length:	76.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3595.00	
Shut In Tool	5.00			3600.00	
Hydraulic tool	5.00			3605.00	
Packer	5.00			3610.00	21.00 Bottom Of Top Packer
Packer	5.00			3615.00	
Stubb	1.00			3616.00	
Perforations	1.00			3617.00	
Change Over Sub	1.00			3618.00	
Recorder	0.01	6668	Inside	3618.01	
Blank Spacing	30.00			3648.01	
Change Over Sub	1.00			3649.01	
Perforations	18.00			3667.01	
Recorder	0.01	11085	Outside	3667.02	
Bullnose	3.00			3670.02	55.02 Bottom Packers & Anchor

Total Tool Length: 76.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Eastern Energy&Develop

L.Johnson #1

Box 150

26-6s-21w Graham Ks

Bogue Ks 67625

Job Ticket: 17045

DST#: 5

ATTN: Mike Davignon

Test Start: 2003.07.06 @ 20:36:46

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3450.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
270.00	O&GCM 10%oil 20%gas 70%mud	2.148
180.00	Clean Oil	2.525
0.00	60'Gip	0.000

Total Length: 450.00 ft

Total Volume: 4.673 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

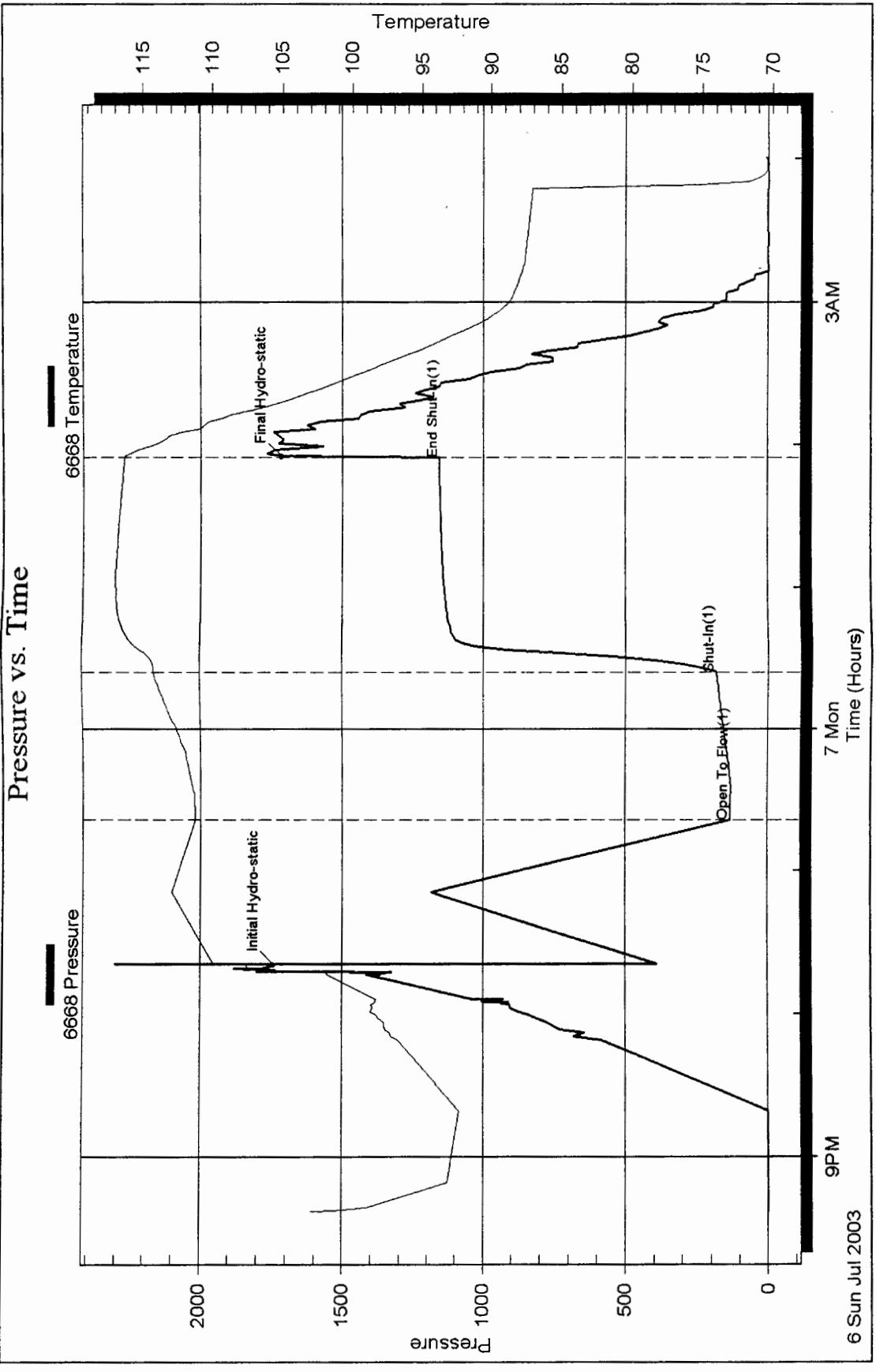
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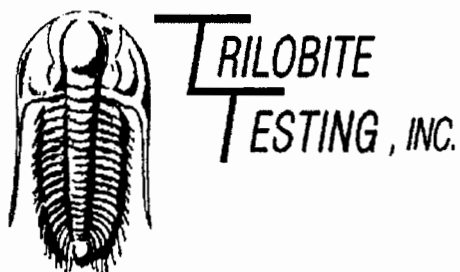
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy&Develop**

Box 150
Bogue Ks 67625

ATTN: Mike Davignon

26-6s-21w Graham Ks

L.Johnson #1

Start Date: 2003.07.07 @ 12:56:32

End Date: 2003.07.07 @ 17:37:01

Job Ticket #: 17046 DST #: 6

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&Develop

L.Johnson #1

Box 150
Bogue Ks 67625

26-6s-21w Graham Ks

Job Ticket: 17046

DST#: 6

ATTN: Mike Davignon

Test Start: 2003.07.07 @ 12:56:32

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 15:02:31

Time Test Ended: 17:37:01

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **16**

Interval: **3690.00 ft (KB) To 3725.00 ft (KB) (TVD)**

Reference Elevations: **2244.00 ft (KB)**

Total Depth: **3790.00 ft (KB) (TVD)**

2239.00 ft (CF)

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

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

Serial #: 6668

Inside

Press@RunDepth: **20.11 psig @ 3692.01 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2003.07.07**

End Date:

2003.07.07

Last Calib.:

2003.07.07

Start Time: **12:56:32**

End Time:

17:37:01

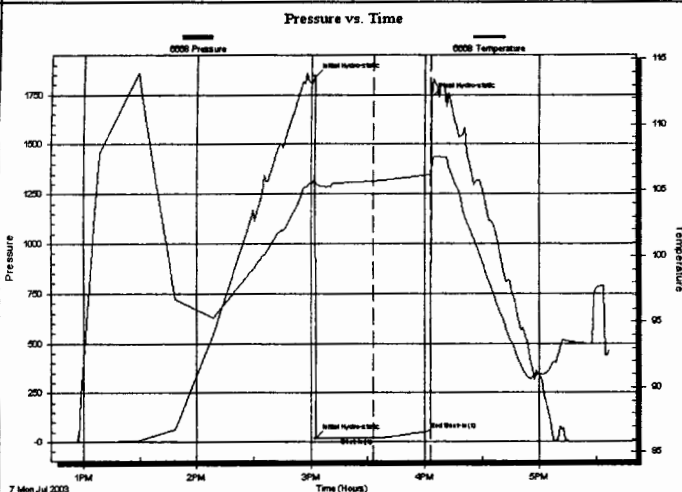
Time On Btm:

2003.07.07 @ 15:02:01

Time Off Btm:

2003.07.07 @ 16:03:31

TEST COMMENT: IFP-w k surface bl died in 6 min
flushed tool
Times 30-30-



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1840.98	105.78	Initial Hydro-static
1	18.30	105.46	Initial Hydro-static
31	20.11	105.68	Shut-In(1)
61	57.30	106.17	End Shut-In(1)
62	1740.35	106.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 2%oil 98%mud	0.02

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy&Develop

L.Johnson #1

Box 150
Bogue Ks 67625

26-6s-21w Graham Ks

Job Ticket: 17046

DST#: 6

ATTN: Mike Davignon

Test Start: 2003.07.07 @ 12:56:32

Tool Information

Drill Pipe:	Length: 3519.00 ft	Diameter: 3.80 inches	Volume: 49.36 bbl	Tool Weight: 2200.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume: 50.25 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3690.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.02 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
Change Over Sub	1.00			3670.00	
Shut In Tool	5.00			3675.00	
Hydraulic tool	5.00			3680.00	
Packer	5.00			3685.00	21.00 Bottom Of Top Packer
Packer	5.00			3690.00	
Stubb	1.00			3691.00	
Perforations	1.00			3692.00	
Recorder	0.01	6668	Inside	3692.01	
Perforations	30.00			3722.01	
Recorder	0.01	11085	Outside	3722.02	
Bullnose	3.00			3725.02	35.02 Bottom Packers & Anchor

Total Tool Length: 56.02

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY
	Great Eastern Energy&Develop		L.Johnson #1
	Box 150 Bogue Ks 67625	26-6s-21w Graham Ks Job Ticket: 17046 DST#: 6 Test Start: 2003.07.07 @ 12:56:32	
ATTN: Mike Davignon			

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: 63.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3900.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM 2%oil 98%mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

DST Test Number: 6

26-6s-21w Graham Ks

Great Eastern Energy&Develop

Inside

Serial #: 6668

Pressure vs. Time

