

DRILL STEM TESTS					
DST INTERVAL/FM.	FP TIME	IFP/FFP	SIP TIME	ISIP/FSIP	RECOVERY
DST #1: 3298' - 3320' LANSING 'C'	IFP: 15": 60 - 181# FFP: 45": 198 - 448#	ISIP: 45": 1220# FSIP: 45": 1150#			930' Gas In Pipe 1,210' Total Fluid (16.02 BFPH) 1,210' Gassy Clean Oil (37 Deg) (20% G, 80% O, NW) (12.82 BOPH)
ELECTRICAL CHART TEMP: 110 DEG. F. 					COMMENTS IF: Strg blow to BOB 1.75 Min. ISP: Bldg blow to BOB in 13 Min. FF: Strg blow to BOB 2.5 Min, FSIP: Bldg blow to BOB in 16 Min. HP: 1596 - 1539#
					VIS 52, WT 9.0, WL 7.2, Mud Chl: 1000 ppm
DST #2: 3320' - 3336' LANSING 'D'	IFP: 30": 15 - 67# FFP: 30": 79 - 88#	ISIP: 45": 695# FSIP: 45": 507#			496' Gas In Pipe 250' Total Fluid (2.42 BFPH) 126' Gassy Oil (38 Deg)(20% G, 80% O) 124' Gas & Mud Cut Oil (20% G, 50% O, 30% M) (1.75 BOPH)
ELECTRICAL CHART TEMP: 102 DEG. F. 					COMMENTS IF: Fair blow to BOB 15 Min. ISP: Blow back built to 2 Inches FF: Fair blow to BOB 14.5 Min, FSIP: Blow back built to 1.5 Inches HP: 1589-1567#
					VIS 52, WT 9.0 WL 7.2, Mud Chl: 1,000 ppm
DST #3: 3335' - 3358' LANSING 'E' & 'F'	IFP: 45": 39 - 78# FFP: 45": 104 - 131#	ISIP: 45": 694# FSIP: 45": 654#			208' Gas In Pipe 266' TOTAL FLUID (1.75 BFPH) 50' Clean Oil (40 Deg) (100% O) 92' Mud Cut Oil (60% O, 40% M) 62' WOCM (20% O, 70% M, 10% W) 62' VSOCMW (5% O, 45% M, 50% W) (1.05 BOPH - No Water Chlorides Taken)
MANUAL CHART NO TEMP: (Elec. Recorder Failed) 					COMMENTS IF: Weak blow to BOB 23.5 Min. ISP: Weak surf blow back, died in 20" FF: Weak blow to BOB 22 Min, FSIP: Weak surf blow back thru-out HP: 1759-1681#
					VIS 54, WT 9.0, WL 7.6, Mud Chl: 1,200 ppm

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 KANSAS CORPORATION COMMISSION

OCT 15 2007

CONSERVATION DIVISION
 WICHITA, KS

DRILL STEM TESTS

DST INTERVAL/FM.	FP TIME	IFP/FFP	SIP TIME	ISIP/FSIP	RECOVERY
DST #4: 3410' - 3429' LKC 'I'		IFP: 30": 10 - 70# FFP: 5" 11 - 10#		ISIP: 30": 28# FSIP: NA	6 Inches Oil Cut Mud
ELECTRICAL CHART TEMP: 101 DEG. F. 					CONFIDENTIAL OCT 12 2007 KCC
					COMMENTS IF: Weak surf blow, died in 25 Min. ISP: No blow back, FF: No blow, Pulled Tool HP: 1629-1595#
					VIS 53, WT 9.2, WL 7.6, Mud Chl: 1,200 ppm

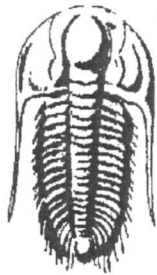
DST INTERVAL/FM	FP TIME	IFP/FFP	SIP TIME	ISIP/FSIP	RECOVERY
DST #5: 3429' - 3442' LKC 'J'		IFP: 45": 12 - 48# FFP: 45": 53 - 64#		ISIP: 45": 1249# FSIP: 45": 1233#	330' Gas In Pipe 152' Total Fluid (0.69 BFPH)
ELECTRICAL CHART TEMP: 108 DEG. F. 					92' Clean Oil (38 Deg)(100% O) 60' Mud Cut Oil (70% O, 30% M) (0.63 BOPH)
					COMMENTS IF: Weak blow to BOB 41 Min. ISP: Weak surf blow back, died in 27 Min. FF: Weak blow to BOB 41 Min FSIP: Weak surf blow back throughout HP: 1659-1603#
					VIS 48, WT 9.1, WL 7.8, Mud Chl: 1,600 ppm

DST INTERVAL/FM	FP TIME	IFP/FFP	SIP TIME	ISIP/FSIP	RECOVERY
DST #6: 3441' - 3474' LKC 'K' & 'L'		IFP: 45": 13 - 49# FFP: 45": 55 - 63#		ISIP: 45": 1037# FSIP: 45": 950#	150' Gas In Pipe 154' Total Fluid (0.70 BFPH)
ELECTRICAL CHART TEMP: 108 DEG. F. 					92' Gassy Oil (36 Deg)(20% G, 80% O) 62' Heavy Oil Cut Mud (40% O, 60% M) (0.60 BOPH)
					COMMENTS IF: Weak blow built to 8.5 Inches. ISP: No blow back FF: Weak blow built to 9.0 Inches FSIP: Weak surf blow died in 10 Min. HP: 1646-1677#
					VIS 52, WT 9.1, WL 6.8, Mud Chl: 1,800 ppm

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OCT 15 2007

CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Gateway Resources**

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

3 8S 21W Graham KS

Alexander-Thomas Unit #1-3

Start Date: 2007.09.13 @ 11:35:46

End Date: 2007.09.13 @ 20:29:16

Job Ticket #: 30589 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

Gateway Resources

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

Alexander-Thomas Unit #1-3

3 8S 21W Graham KS

Job Ticket: 30589 **DST#: 1**

Test Start: 2007.09.13 @ 11:35:46

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:48:46

Time Test Ended: 20:29:16

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **3295.00 ft (KB) To 3320.00 ft (KB) (TVD)**

Total Depth: 3320.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2025.00 ft (KB)

2020.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8320 **Inside**

Press@RunDepth: 448.07 psig @ 3296.00 ft (KB)

Start Date: 2007.09.13

End Date: 2007.09.13

Start Time: 11:35:47

End Time: 20:29:16

Capacity: 7000.00 psig

Last Calib.: 2007.09.13

Time On Btm: 2007.09.13 @ 14:47:16

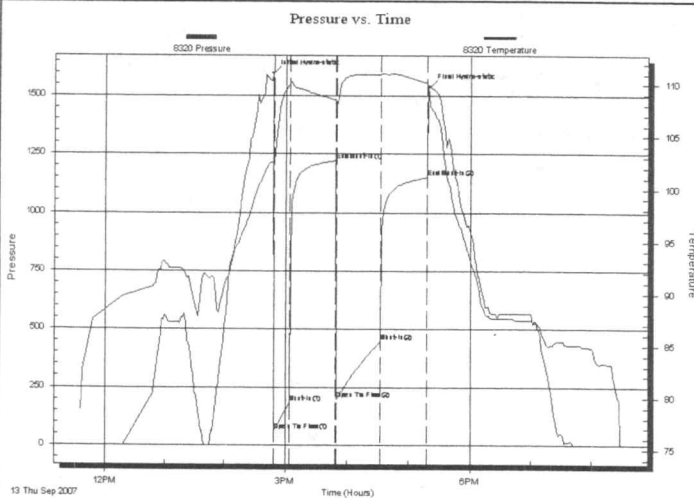
Time Off Btm: 2007.09.13 @ 17:21:16

TEST COMMENT: IFP BOB in 1.75 min

ISI BOB in 13 min

FFP BOB in 2.5 min

FSI BOB in 16 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1595.82	102.63	Initial Hydro-static
2	59.77	102.87	Open To Flow (1)
17	181.11	110.04	Shut-In(1)
62	1220.39	108.54	End Shut-In(1)
62	197.75	108.32	Open To Flow (2)
106	448.07	110.95	Shut-In(2)
151	1150.13	110.13	End Shut-In(2)
154	1538.76	107.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1210.00	GCO 20%G 80%O	16.02
0.00	930' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gateway Resources

Alexander-Thomas Unit #1-3

224 S Crestway
Wichita KS 67218

3 8S 21W Graham KS

ATTN: Gary Gensch

Job Ticket: 30589

DST#: 1

Test Start: 2007.09.13 @ 11:35:46

Tool Information

Drill Pipe:	Length: 3172.00 ft	Diameter: 3.82 inches	Volume: 44.96 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 45.56 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3295.00 ft			Final	50000.00 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:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3275.00	
Shut In Tool	5.00			3280.00	
Hydraulic tool	5.00			3285.00	
Packer	5.00			3290.00	21.00 Bottom Of Top Packer
Packer	5.00			3295.00	
Stubb	1.00			3296.00	
Recorder	0.00	8320	Inside	3296.00	
Perforations	22.00			3318.00	
Recorder	0.00	6246	Inside	3318.00	
Bullnose	2.00			3320.00	25.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gateway Resources

Alexander-Thomas Unit #1-3

224 S Crestway
Wichita KS 67218

3 8S 21W Graham KS

Job Ticket: 30589 **DST#: 1**

ATTN: Gary Gensch

Test Start: 2007.09.13 @ 11:35:46

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API: 37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 52.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1210.00	GCO 20%G 80%O	16.023
0.00	930' GIP	0.000

Total Length: 1210.00 ft Total Volume: 16.023 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

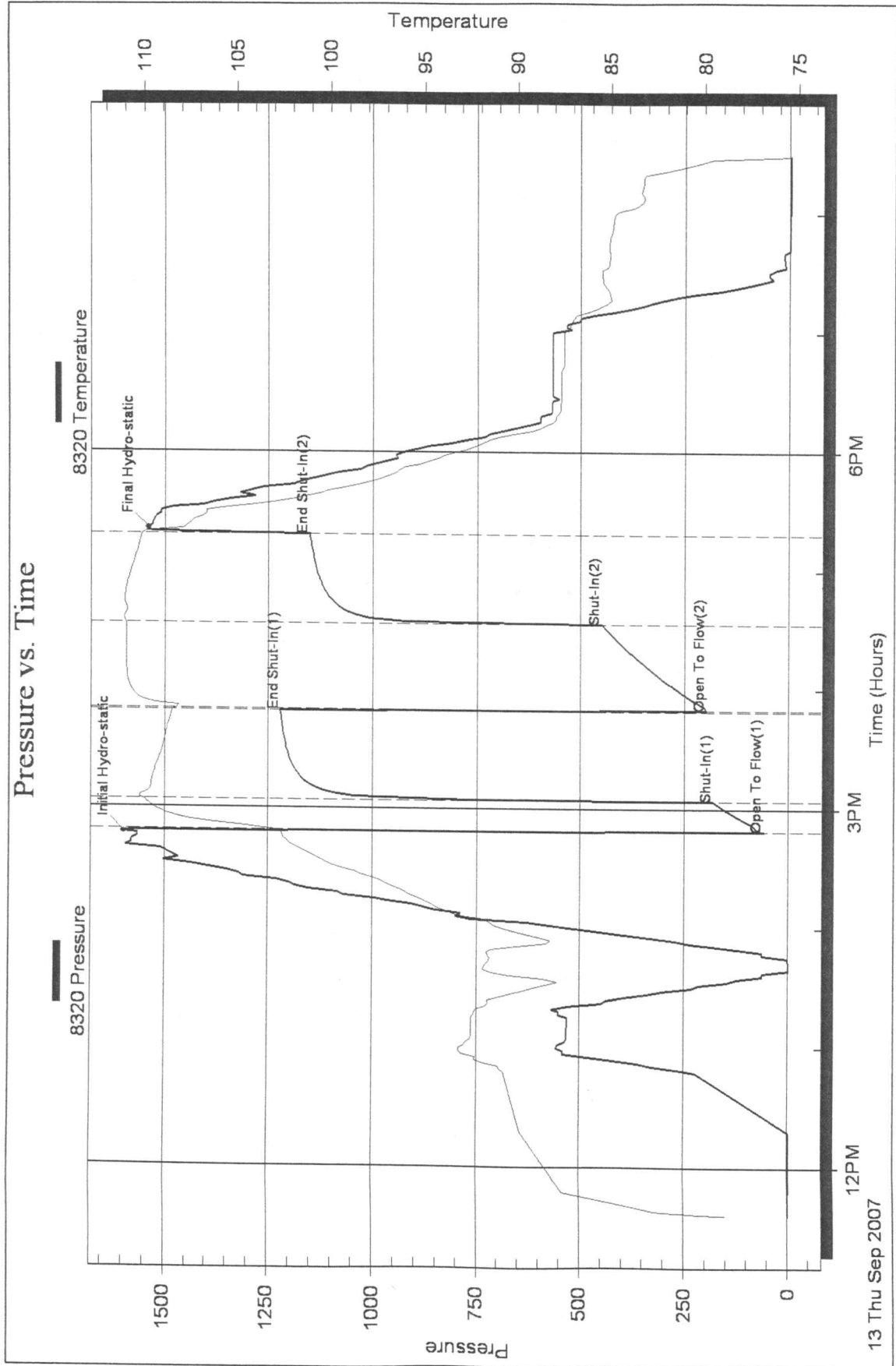
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Gateway Resources**

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

3 8S 21W Graham KS

Alexander-Thomas Unit #1-3

Start Date: 2007.09.14 @ 02:08:38

End Date: 2007.09.14 @ 07:52:25

Job Ticket #: 30590 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

Gateway Resources

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

Alexander-Thomas Unit #1-3

3 8S 21W Graham KS

Job Ticket: 30590

DST#: 2

Test Start: 2007.09.14 @ 02:08:38

GENERAL INFORMATION:

Formation: **LKC "D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:28:26

Time Test Ended: 07:52:25

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **3320.00 ft (KB) To 3336.00 ft (KB) (TVD)**

Total Depth: 3336.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2025.00 ft (KB)

2020.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8320 Inside

Press@RunDepth: 98.40 psig @ 3321.00 ft (KB)

Start Date: 2007.09.14

End Date: 2007.09.14

Start Time: 02:08:39

End Time: 07:52:26

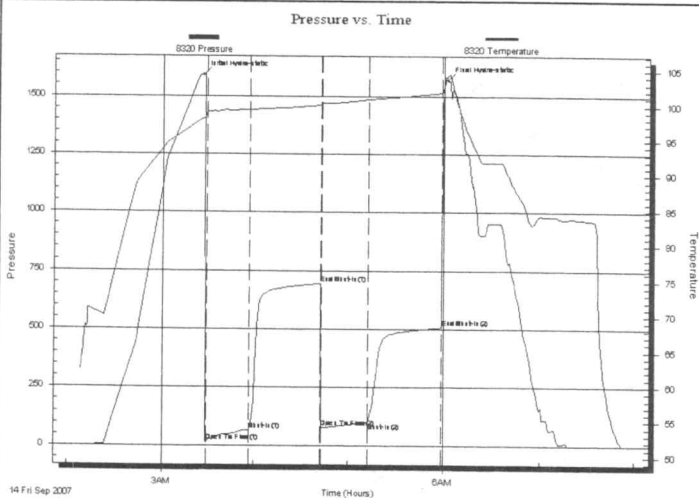
Capacity: 7000.00 psig

Last Calib.: 2007.09.14

Time On Btm: 2007.09.14 @ 03:26:26

Time Off Btm: 2007.09.14 @ 06:01:56

TEST COMMENT: IFP BOB in 15 min
ISI Blow back built to 2 "
FFP BOB in 14.5 min
FSI Blow back built to 1.5 "



PRESSURE SUMMARY

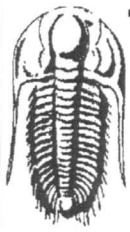
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1589.46	98.12	Initial Hydro-static
2	14.74	98.89	Open To Flow (1)
31	66.87	99.39	Shut-In(1)
76	694.93	100.08	End Shut-In(1)
77	79.11	100.38	Open To Flow (2)
106	98.40	100.86	Shut-In(2)
152	506.54	101.84	End Shut-In(2)
156	1566.91	104.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GMCO 20%G 50%O 30%M	0.63
126.00	GCO 20%G 80%O	1.79
0.00	496' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gateway Resources

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

Alexander-Thomas Unit #1-3

3 8S 21W Graham KS

Job Ticket: 30590

DST#: 2

Test Start: 2007.09.14 @ 02:08:38

Tool Information

Drill Pipe:	Length: 3200.00 ft	Diameter: 3.82 inches	Volume: 45.36 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 45.96 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3320.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	16.00 ft				
Tool Length:	37.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3300.00	
Shut In Tool	5.00			3305.00	
Hydraulic tool	5.00			3310.00	
Packer	5.00			3315.00	21.00 Bottom Of Top Packer
Packer	5.00			3320.00	
Stubb	1.00			3321.00	
Recorder	0.00	8320	Inside	3321.00	
Perforations	13.00			3334.00	
Recorder	0.00	6246	Inside	3334.00	
Bullnose	2.00			3336.00	16.00 Bottom Packers & Anchor
Total Tool Length:	37.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Gateway Resources

Alexander-Thomas Unit #1-3

224 S Crestway
Wichita KS 67218

3 8S 21W Graham KS

Job Ticket: 30590 **DST#: 2**

ATTN: Gary Gensch

Test Start: 2007.09.14 @ 02:08:38

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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	GMCO 20%G 50%O 30%M	0.628
126.00	GCO 20%G 80%O	1.786
0.00	496' GIP	0.000

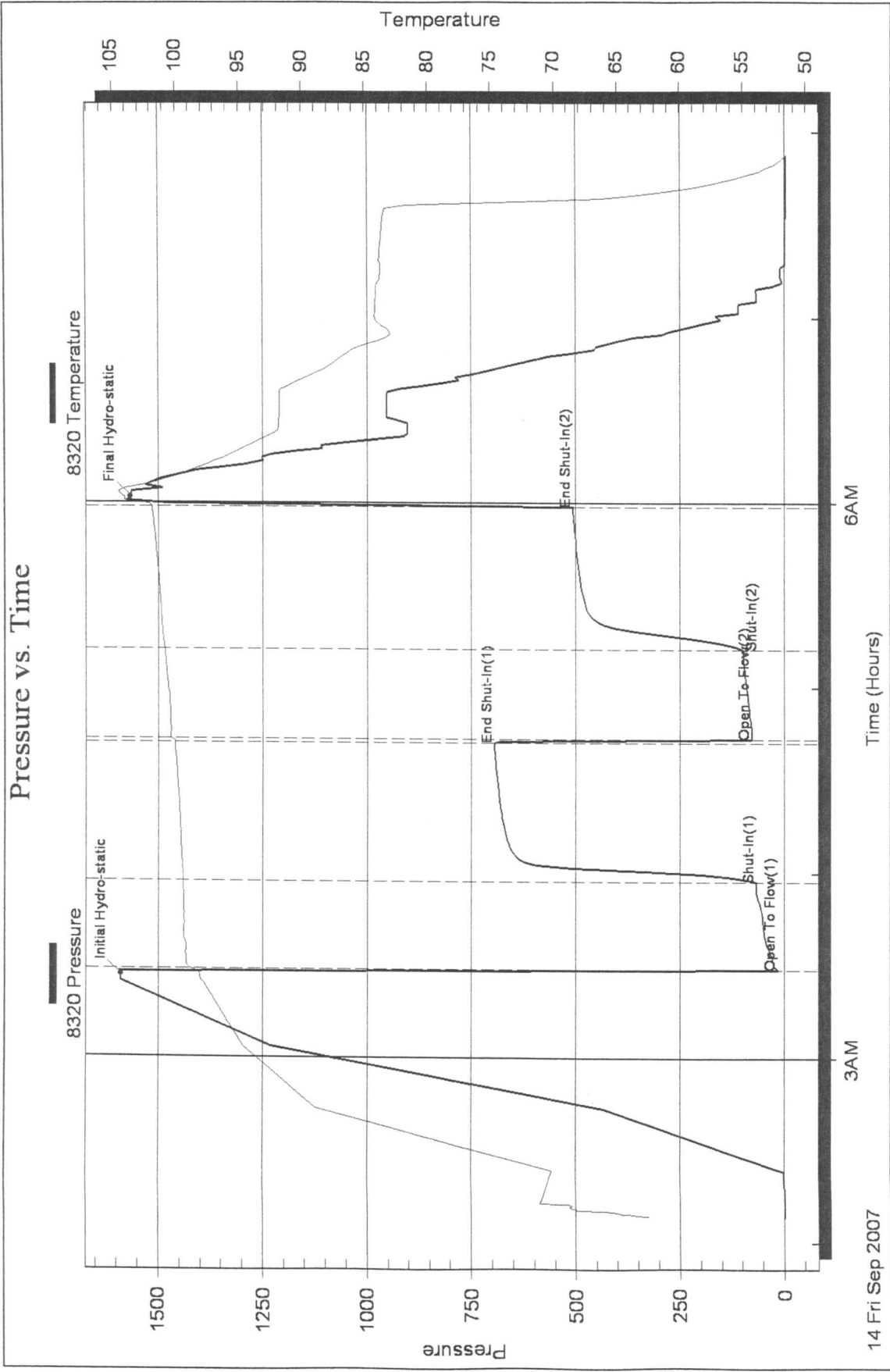
Total Length: 250.00 ft Total Volume: 2.414 bbl

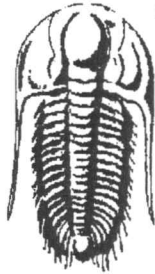
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Gateway Resources**

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

3 8S 21W Graham KS

Alexander-Thomas Unit #1-3

Start Date: 2006.02.22 @ 12:19:06

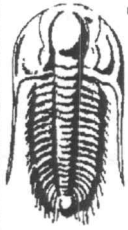
End Date: 2006.02.22 @ 12:21:06

Job Ticket #: 30591 DST #: 3

Trilobite Testing, Inc

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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Gateway Resources

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

Alexander-Thomas Unit #1-3

3 8S 21W Graham KS

Job Ticket: 30591

DST#: 3

Test Start: 2006.02.22 @ 12:19:06

GENERAL INFORMATION:

Formation: **LKC "E-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:30:13

Time Test Ended: 12:21:06

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: 3335.00 ft (KB) To 3358.00 ft (KB) (TVD)

Total Depth: 3358.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2025.00 ft (KB)

2020.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8167

Press@RunDepth: psig @ ft (KB)

Start Date: 2006.02.22 End Date: 2006.02.22

Start Time: 12:19:06 End Time: 12:21:06

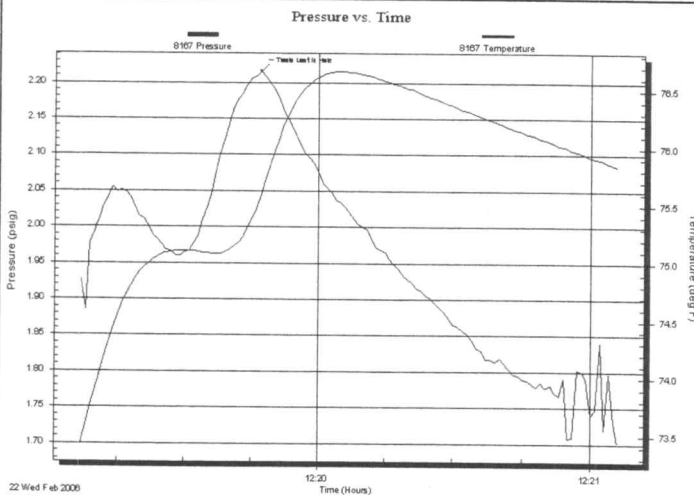
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP BOB in 22.5 min
ISI Weak surface blow died in 20 min
FFP BOB in 22 min
FSI Weak surface blow back throughout



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2.22	75.59	-- Tools Lost in Hole

Recovery

Length (ft)	Description	Volume (bbl)
62.00	VSOCMW 5%O 50%W 45%M	0.30
62.00	WOCM 20%O 10%W 70%M	0.32
92.00	MCO 60%O 40%M	1.30
50.00	CO	0.71

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gateway Resources

Alexander-Thomas Unit #1-3

224 S Crestway
Wichita KS 67218

3 8S 21W Graham KS

ATTN: Gary Gensch

Job Ticket: 30591

DST#: 3

Test Start: 2006.02.22 @ 12:19:06

Tool Information

Drill Pipe:	Length: 3200.00 ft	Diameter: 3.82 inches	Volume: 45.36 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 45.96 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3335.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3315.00	
Shut In Tool	5.00			3320.00	
Hydraulic tool	5.00			3325.00	
Packer	5.00			3330.00	21.00 Bottom Of Top Packer
Packer	5.00			3335.00	
Stubb	1.00			3336.00	
Recorder	0.00	8320	Inside	3336.00	
Perforations	20.00			3356.00	
Recorder	0.00	6246	Inside	3356.00	
Bullnose	2.00			3358.00	23.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Gateway Resources

Alexander-Thomas Unit #1-3

224 S Crestway
Wichita KS 67218

3 8S 21W Graham KS

ATTN: Gary Gensch

Job Ticket: 30591

DST#: 3

Test Start: 2006.02.22 @ 12:19:06

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 7.59 in³

Resistivity: ohm.m

Salinity: 1200.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbbl

psig

Oil API:

Water Salinity:

40 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	VSOCMW 5%O 50%W 45%M	0.305
62.00	WOCM 20%O 10%W 70%M	0.323
92.00	MCO 60%O 40%M	1.304
50.00	CO	0.709

Total Length: 266.00 ft

Total Volume: 2.641 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

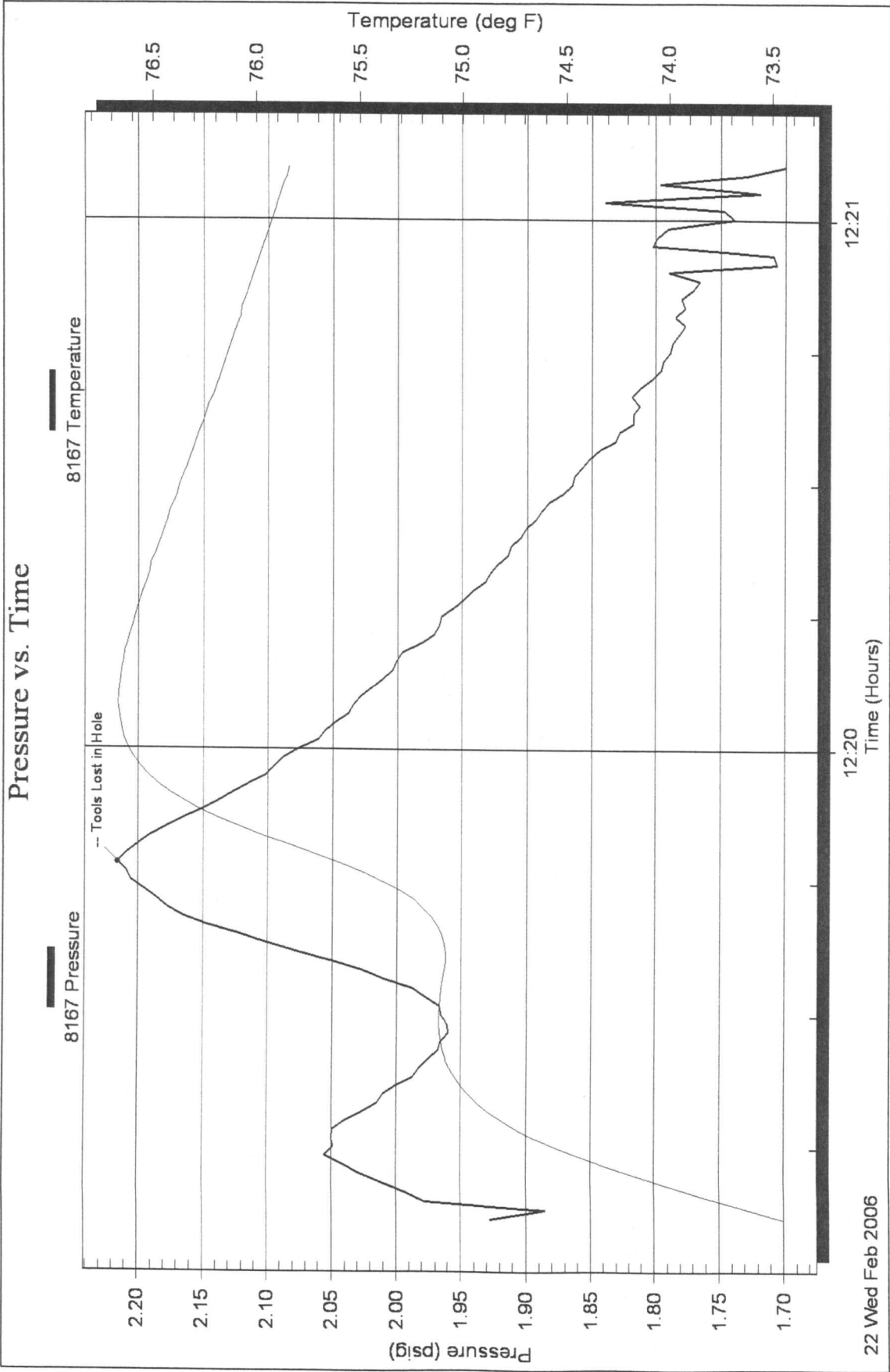
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

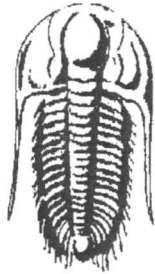


22 Wed Feb 2006

12:21

12:20

Time (Hours)



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Gateway Resources**

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

3 8S 21W Graham KS

Alexander-Thomas Unit #1-3

Start Date: 2007.09.15 @ 07:33:41

End Date: 2007.09.15 @ 12:00:13

Job Ticket #: 30592 DST #: 4

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Gateway Resources

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

Alexander-Thomas Unit #1-3

3 8S 21W Graham KS

Job Ticket: 30592

DST#: 4

Test Start: 2007.09.15 @ 07:33:41

GENERAL INFORMATION:

Formation: **LKC "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:30:13

Time Test Ended: 12:00:13

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **3410.00 ft (KB) To 3429.00 ft (KB) (TVD)**

Total Depth: 3429.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2025.00 ft (KB)

2020.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8320 Inside

Press@RunDepth: 9.96 psig @ 3411.00 ft (KB)

Start Date: 2007.09.15

End Date: 2007.09.15

Start Time: 07:33:42

End Time: 12:00:13

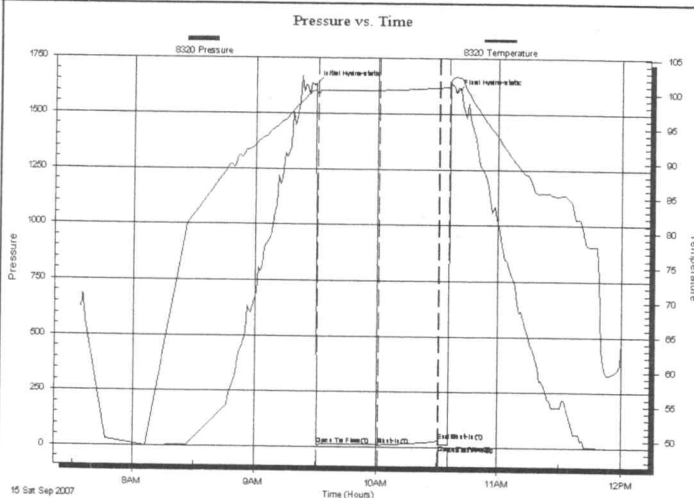
Capacity: 7000.00 psig

Last Calib.: 2007.09.15

Time On Btm: 2007.09.15 @ 09:28:43

Time Off Btm: 2007.09.15 @ 10:39:13

TEST COMMENT: IFP Weak surface blow died in 25 min
ISI No blow back
FFP No blow - pulled tool
FSI



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1629.40	100.30	Initial Hydro-static
2	9.73	99.66	Open To Flow (1)
32	9.96	100.40	Shut-In(1)
62	27.76	100.82	End Shut-In(1)
63	11.46	100.82	Open To Flow (2)
67	10.11	100.91	End Shut-In(2)
71	1595.46	102.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.50	OCM	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gateway Resources

Alexander-Thomas Unit #1-3

224 S Crestway
Wichita KS 67218

3 8S 21W Graham KS

ATTN: Gary Gensch

Job Ticket: 30592

DST#: 4

Test Start: 2007.09.15 @ 07:33:41

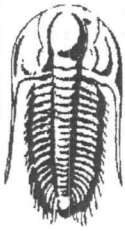
Tool Information

Drill Pipe:	Length: 3267.00 ft	Diameter: 3.82 inches	Volume: 46.31 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	55000.00 lb
			<u>Total Volume: 46.91 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	0.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3410.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	19.00 ft				
Tool Length:	40.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3390.00	
Shut In Tool	5.00			3395.00	
Hydraulic tool	5.00			3400.00	
Packer	5.00			3405.00	21.00 Bottom Of Top Packer
Packer	5.00			3410.00	
Stubb	1.00			3411.00	
Recorder	0.00	8320	Inside	3411.00	
Perforations	16.00			3427.00	
Recorder	0.00	6246	Inside	3427.00	
Bullnose	2.00			3429.00	19.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gateway Resources

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

Alexander-Thomas Unit #1-3

3 8S 21W Graham KS

Job Ticket: 30592

DST#: 4

Test Start: 2007.09.15 @ 07:33:41

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 7.59 in³

Resistivity: ohm.m

Salinity: 1200.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.50	OCM	0.002

Total Length: 0.50 ft Total Volume: 0.002 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

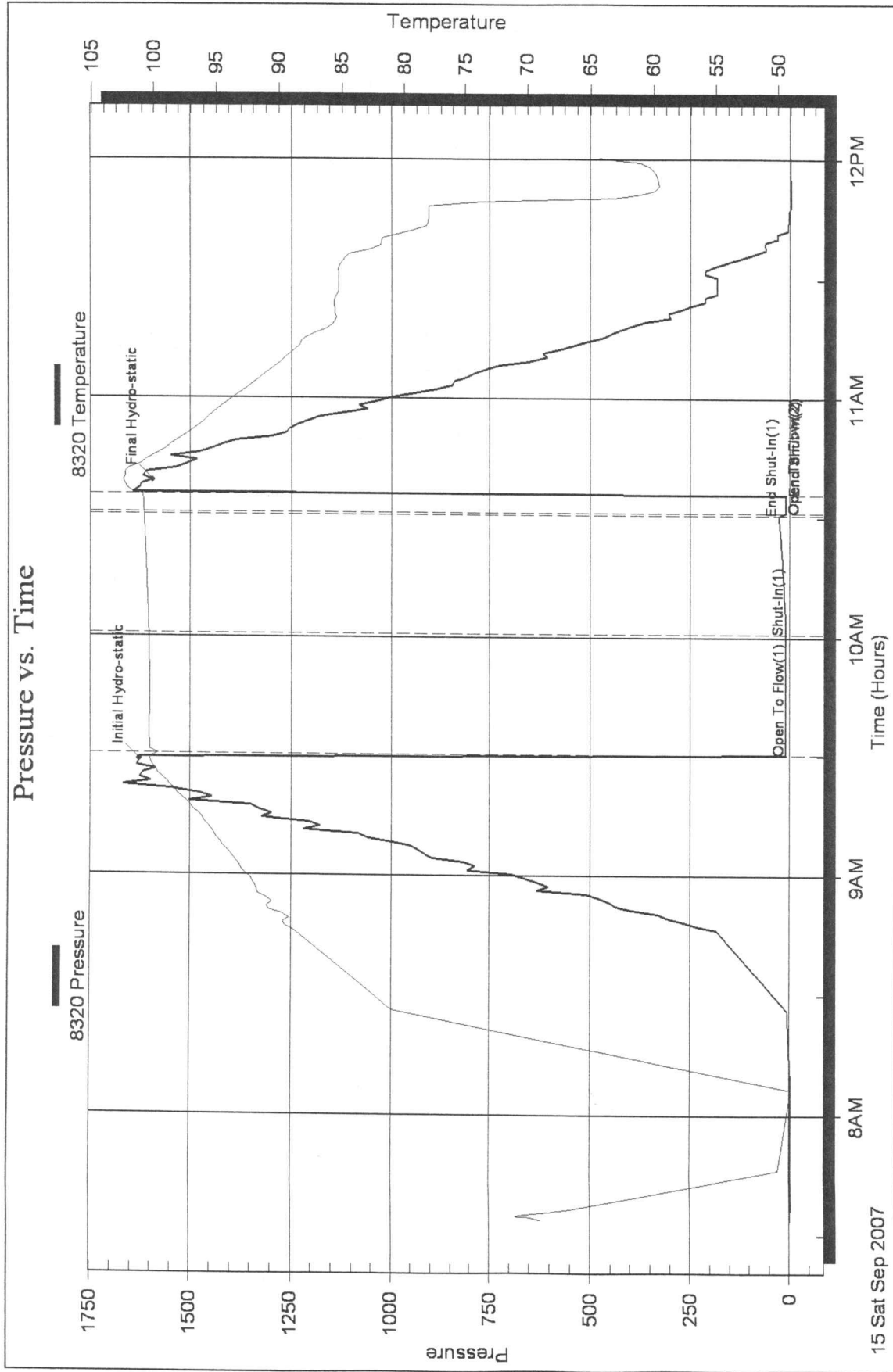
Serial #:

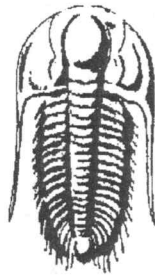
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Gateway Resources**

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

3 8S 21W Graham KS

Alexander-Thomas Unit #1-3

Start Date: 2007.09.15 @ 17:30:27

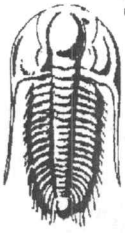
End Date: 2007.09.15 @ 23:50:27

Job Ticket #: 30593 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

Gateway Resources

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

Alexander-Thomas Unit #1-3

3 8S 21W Graham KS

Job Ticket: 30593

DST#: 5

Test Start: 2007.09.15 @ 17:30:27

GENERAL INFORMATION:

Formation: **LKC "J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:22:27
 Time Test Ended: 23:50:27

Test Type: Conventional Bottom Hole
 Tester: Tyson Flax
 Unit No: 21

Interval: **3429.00 ft (KB) To 3442.00 ft (KB) (TVD)**
 Total Depth: 3442.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2025.00 ft (KB)
 2020.00 ft (CF)
 KB to GR/CF: 5.00 ft

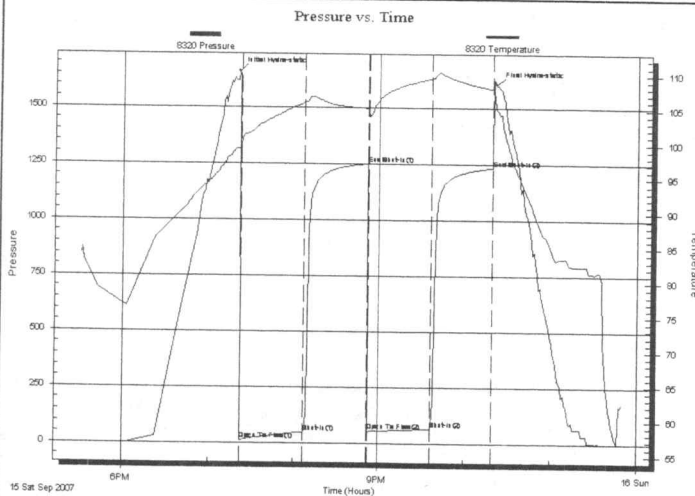
Serial #: 8320

Inside

Press@RunDepth: 64.47 psig @ 3430.00 ft (KB)
 Start Date: 2007.09.15 End Date: 2007.09.15
 Start Time: 17:30:28 End Time: 23:50:27

Capacity: 7000.00 psig
 Last Calib.: 2007.09.15
 Time On Btm: 2007.09.15 @ 19:20:57
 Time Off Btm: 2007.09.15 @ 22:21:57

TEST COMMENT: IFP Weak surface blow built to BOB in 41 min
 ISI Weak surface blow back died in 27 min
 FFP Weak surface blow built to BOB in 41 min
 FSI Weak surface blow back throughout



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1658.87	99.28	Initial Hydro-static
2	11.54	99.87	Open To Flow (1)
46	47.58	105.97	Shut-In(1)
91	1248.99	105.14	End Shut-In(1)
92	53.49	104.77	Open To Flow (2)
136	64.47	109.50	Shut-In(2)
179	1233.30	107.95	End Shut-In(2)
181	1603.15	105.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCO 70%O 30%M	0.30
92.00	CO	0.73
0.00	330' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gateway Resources

Alexander-Thomas Unit #1-3

224 S Crestway
Wichita KS 67218

3 8S 21W Graham KS

ATTN: Gary Gensch

Job Ticket: 30593

DST#: 5

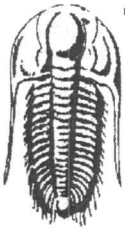
Test Start: 2007.09.15 @ 17:30:27

Tool Information

Drill Pipe:	Length: 3292.00 ft	Diameter: 3.82 inches	Volume: 46.67 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 47.27 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3429.00 ft			Final	49000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	13.00 ft				
Tool Length:	34.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3409.00	
Shut In Tool	5.00			3414.00	
Hydraulic tool	5.00			3419.00	
Packer	5.00			3424.00	21.00 Bottom Of Top Packer
Packer	5.00			3429.00	
Stubb	1.00			3430.00	
Recorder	0.00	8320	Inside	3430.00	
Perforations	10.00			3440.00	
Recorder	0.00	6246	Inside	3440.00	
Bullnose	2.00			3442.00	13.00 Bottom Packers & Anchor
Total Tool Length:	34.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gateway Resources

Alexander-Thomas Unit #1-3

224 S Crestway
Wichita KS 67218

3 8S 21W Graham KS

Job Ticket: 30593

DST#: 5

ATTN: Gary Gensch

Test Start: 2007.09.15 @ 17:30:27

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 1600.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MCO 70%O 30%M	0.295
92.00	CO	0.730
0.00	330' GIP	0.000

Total Length: 152.00 ft Total Volume: 1.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8320

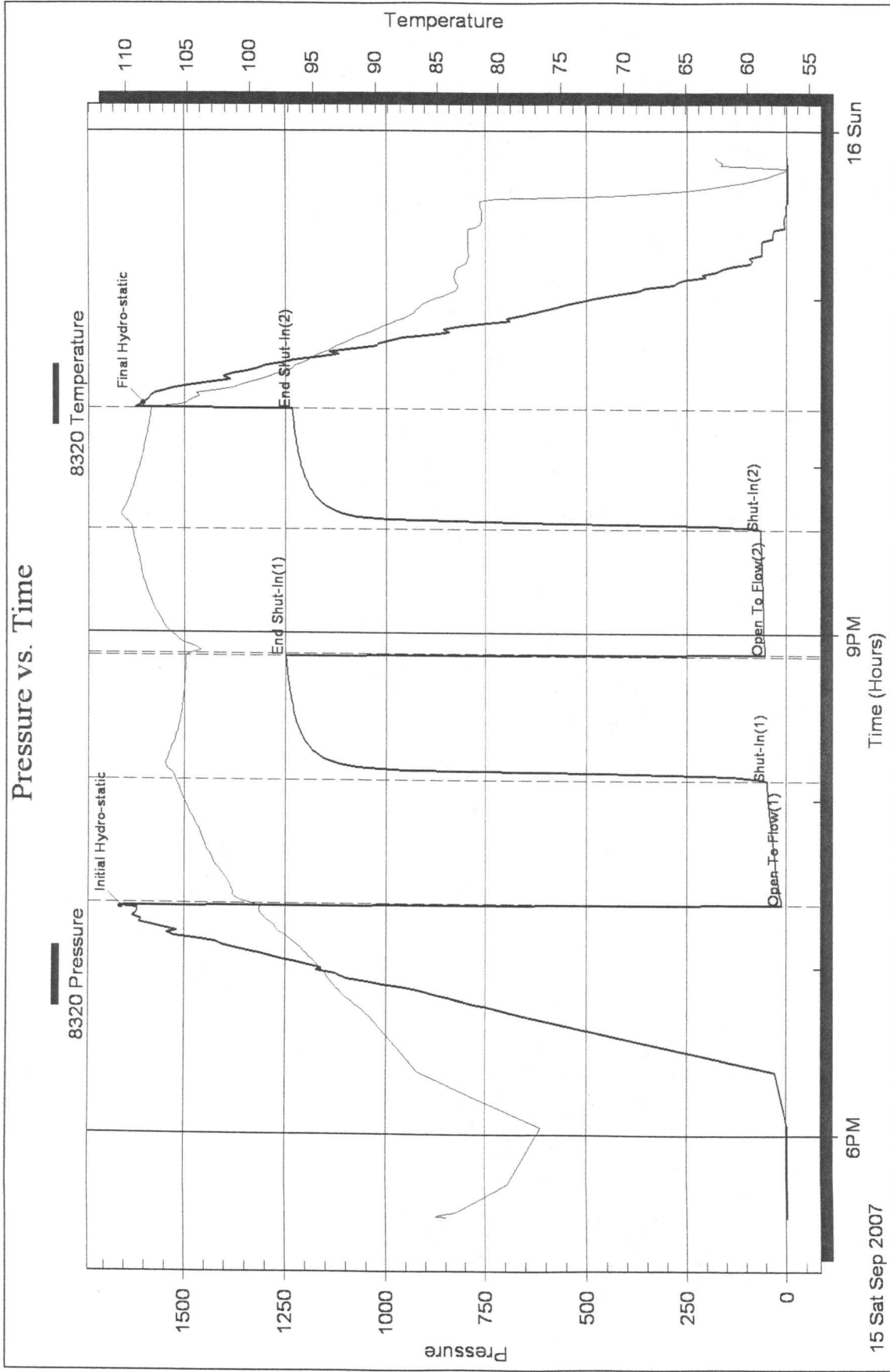
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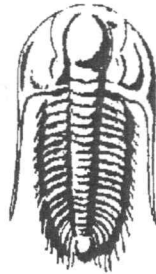
Gateway Resources

3 8S 21W Graham KS

DST Test Number: 5

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Gateway Resources**

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

3 8S 21W Graham KS

Alexander-Thomas Unit #1-3

Start Date: 2007.09.16 @ 07:04:46

End Date: 2007.09.16 @ 13:04:46

Job Ticket #: 30594 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

Gateway Resources

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

Alexander-Thomas Unit #1-3

3 8S 21W Graham KS

Job Ticket: 30594

DST#: 6

Test Start: 2007.09.16 @ 07:04:46

GENERAL INFORMATION:

Formation: **LKC "K-L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:31:16

Time Test Ended: 13:04:46

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **3441.00 ft (KB) To 3474.00 ft (KB) (TVD)**

Total Depth: 3474.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2025.00 ft (KB)

2020.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8320

Inside

Press@RunDepth: 63.23 psig @ 3442.00 ft (KB)

Start Date: 2007.09.16

End Date:

2007.09.16

Start Time: 07:04:47

End Time:

13:04:46

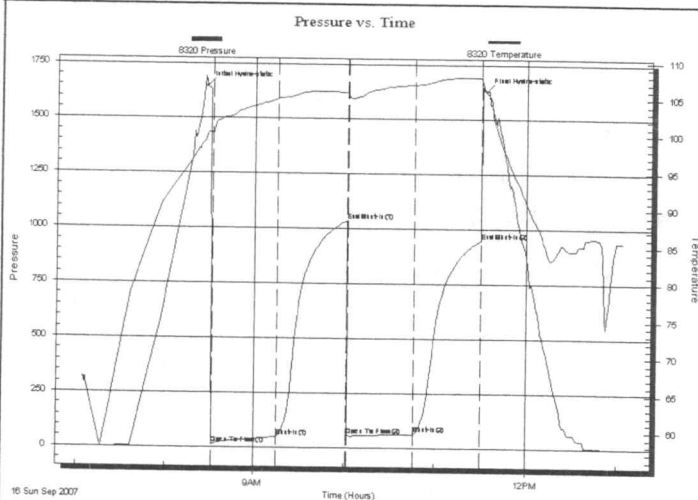
Capacity: 7000.00 psig

Last Calib.: 2007.09.16

Time On Btm: 2007.09.16 @ 08:27:16

Time Off Btm: 2007.09.16 @ 11:32:46

TEST COMMENT: IFP Weak blow built to 8.5 "
ISI No blow back
FFP Weak blow built to 9 "
FSI Weak surface blow back died in 10 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1645.89	99.97	Initial Hydro-static
4	13.30	100.09	Open To Flow (1)
48	48.68	104.97	Shut-In(1)
95	1037.26	105.78	End Shut-In(1)
95	55.34	105.60	Open To Flow (2)
139	63.23	106.86	Shut-In(2)
183	950.32	107.86	End Shut-In(2)
186	1628.66	105.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
92.00	GCO 20%G 80%O	0.45
62.00	HOCM 40%O 60%M	0.60
0.00	150' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gateway Resources

224 S Crestway
Wichita KS 67218

ATTN: Gary Gensch

Alexander-Thomas Unit #1-3

3 8S 21W Graham KS

Job Ticket: 30594

DST#: 6

Test Start: 2007.09.16 @ 07:04:46

Tool Information

Drill Pipe:	Length: 3333.00 ft	Diameter: 3.82 inches	Volume: 47.25 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 47.85 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	35.00 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3441.00 ft			Final	48000.00 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
Change Over Sub	1.00			3421.00	
Shut In Tool	5.00			3426.00	
Hydraulic tool	5.00			3431.00	
Packer	5.00			3436.00	21.00 Bottom Of Top Packer
Packer	5.00			3441.00	
Stubb	1.00			3442.00	
Recorder	0.00	8320	Inside	3442.00	
Perforations	30.00			3472.00	
Recorder	0.00	6246	Inside	3472.00	
Bullnose	2.00			3474.00	33.00 Bottom Packers & Anchor
Total Tool Length:	54.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gateway Resources

Alexander-Thomas Unit #1-3

224 S Crestway
Wichita KS 67218

3 8S 21W Graham KS

Job Ticket: 30594 DST#: 6

ATTN: Gary Gensch

Test Start: 2007.09.16 @ 07:04:46

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 7.20 in³

Resistivity: ohm.m

Salinity: 1600.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

35 deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
92.00	GCO 20%G 80%O	0.452
62.00	HOCM 40%O 60%M	0.601
0.00	150' GIP	0.000

Total Length: 154.00 ft Total Volume: 1.053 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

