



DRILL STEM TEST REPORT

Prepared For: **Blake Exploration**

Box 150
Bogue KS 67625

ATTN: Mike Davignon

Sec 2 11s 20W Ellis

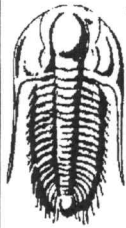
Keller #1

Start Date: 2004.09.11 @ 13:34:14

End Date: 2004.09.11 @ 21:43:14

Job Ticket #: 20296 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

Blake Exploration

Box 150
Bogue KS 67625

ATTN: Mike Davignon

Keller #1

Sec 2 11s 20W Ellis

Job Ticket: 20296

DST#: 1

Test Start: 2004.09.11 @ 13:34:14

GENERAL INFORMATION:

Formation: **Kansas City**

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

Time Tool Opened: 15:06:14

Time Test Ended: 21:43:14

Test Type: Conventional Bottom Hole

Tester: Darren/Paul

Unit No: 21

Interval: **3280.00 ft (KB) To 3370.00 ft (KB) (TVD)**

Total Depth: 3370.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2050.00 ft (KB)

2045.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 356.30 psig @ 3281.00 ft (KB)

Start Date: 2004.09.11

End Date:

2004.09.11

Start Time: 13:34:15

End Time:

21:43:14

Capacity: 7000.00 psig

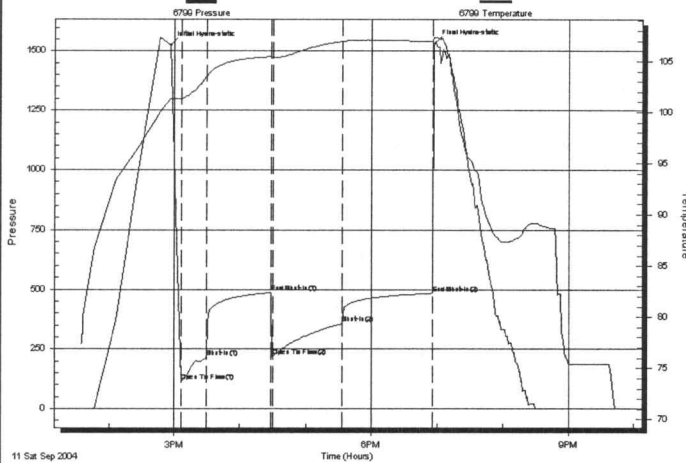
Last Calib.: 2004.03.02

Time On Btm: 2004.09.11 @ 14:56:14

Time Off Btm: 2004.09.11 @ 18:57:44

TEST COMMENT: IF-1" blow building to bottom of bucket in 6 minute
IS- no blow
FF- surface blow building to bottom of bucket in 14 minutes
FS- surface blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1525.24	101.33	Initial Hydro-static
10	115.04	101.27	Open To Flow (1)
34	216.52	103.50	Shut-In (1)
93	485.86	105.44	End Shut-In (1)
94	218.34	105.35	Open To Flow (2)
157	356.30	106.95	Shut-In (2)
240	483.85	106.95	End Shut-In (2)
242	1532.41	107.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	water	3.95
60.00	O&WCM 15%O 25%W 60%M	0.84
180.00	SOCM 10%O 90%M	2.52
15.00	OCM 20%O 80%M	0.21
15.00	clean oil	0.21
0.00	90' gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration

Keller #1

Box 150
Bogue KS 67625

Sec 2 11s 20W Ellis

Job Ticket: 20296

DST#: 1

ATTN: Mike Davignon

Test Start: 2004.09.11 @ 13:34:14

Tool Information

Drill Pipe:	Length: 3163.00 ft	Diameter: 3.80 inches	Volume: 44.37 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3280.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	93.00 ft			
Tool Length:	114.00 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			3260.00	
Shut In Tool	5.00			3265.00	
Hydraulic tool	5.00			3270.00	
Packer	5.00			3275.00	21.00 Bottom Of Top Packer
Packer	5.00			3280.00	
Stubb	1.00			3281.00	
Recorder	0.00	6799	Inside	3281.00	
Perforations	25.00			3306.00	
Blank Off Sub	64.00			3370.00	
Recorder	0.00	13254	Outside	3370.00	
Bullnose	3.00			3373.00	93.00 Bottom Packers & Anchor

Total Tool Length: 114.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration

Keller #1

Box 150
Bogue KS 67625

Sec 2 11s 20W Ellis

Job Ticket: 20296

DST#: 1

ATTN: Mike Davignon

Test Start: 2004.09.11 @ 13:34:14

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

90000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.59 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
360.00	w ater	3.948
60.00	O&WCM 15%O 25%W 60%M	0.842
180.00	SOCM 10%O 90%M	2.525
15.00	OCM 20%O 80%M	0.210
15.00	clean oil	0.210
0.00	90' gas in pipe	0.000

Total Length: 630.00 ft Total Volume: 7.735 bbl

Num Fluid Samples: 0

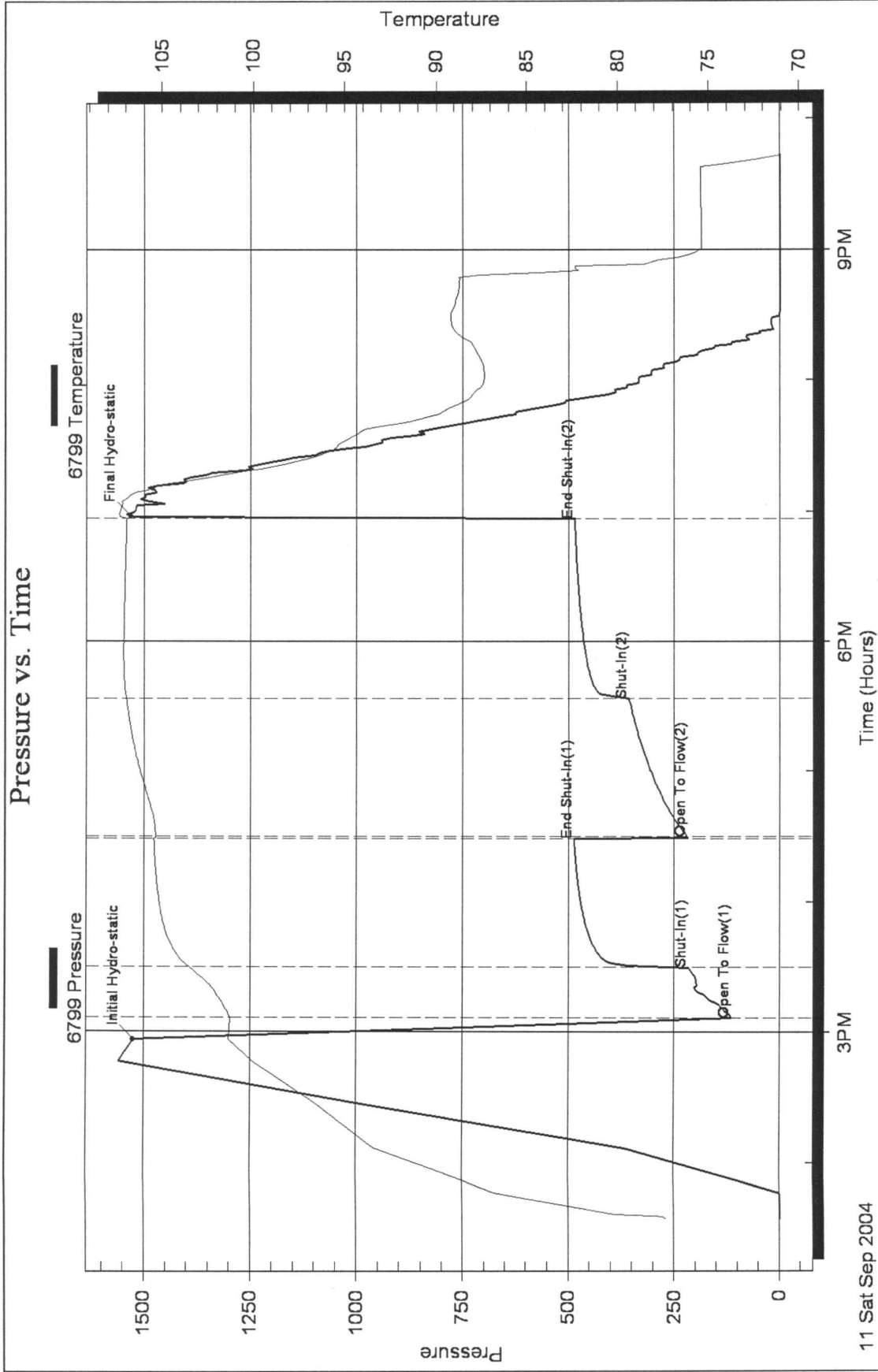
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .084@77.4





DRILL STEM TEST REPORT

Prepared For: **Blake Exploration**

Box 150
Bogue KS 67625

ATTN: Mike Davignon

Sec 2 11s 20W Ellis

Keller #1

Start Date: 2004.09.12 @ 07:01:55

End Date: 2004.09.12 @ 14:30:25

Job Ticket #: 20297 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

Blake Exploration

Keller #1

Box 150
Bogue KS 67625

Sec 2 11s 20W Ellis

ATTN: Mike Davignon

Job Ticket: 20297 **DST#: 2**
Test Start: 2004.09.12 @ 07:01:55

GENERAL INFORMATION:

Formation: **Lansing**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 08:43:25
Time Test Ended: 14:30:25

Test Type: **Conventional Bottom Hole**
Tester: **Paul Simpson**
Unit No: **21**

Interval: **3370.00 ft (KB) To 3410.00 ft (KB) (TVD)**
Total Depth: **3370.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2050.00 ft (KB)**
2045.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 6799

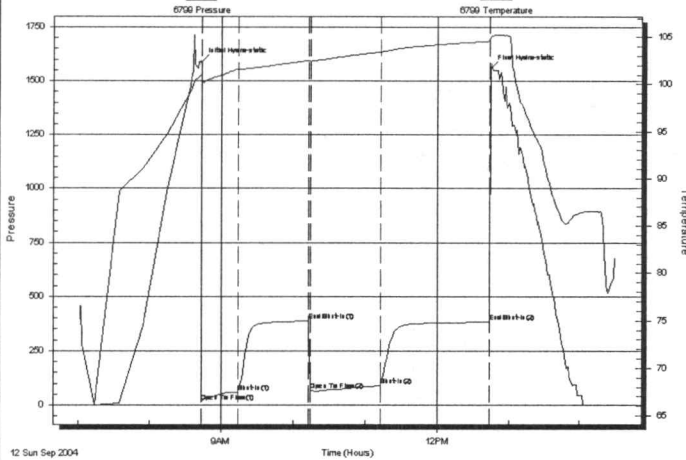
Inside

Press@RunDepth: **88.81 psig @ 3371.00 ft (KB)**
Start Date: **2004.09.12** End Date: **2004.09.12**
Start Time: **07:01:56** End Time: **14:30:25**

Capacity: **7000.00 psig**
Last Calib.: **1899.12.30**
Time On Btm: **2004.09.12 @ 08:42:55**
Time Off Btm: **2004.09.12 @ 12:44:25**

TEST COMMENT: weak 1/2" blow building to 7"
IS- weak surface blow
FF- 1/2" blow building to 11"
FS- weak surface blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1587.94	100.95	Initial Hydro-static
1	15.69	100.45	Open To Flow (1)
31	59.45	101.60	Shut-In(1)
90	389.06	102.51	End Shut-In(1)
92	65.42	102.43	Open To Flow (2)
150	88.81	103.42	Shut-In(2)
241	381.75	104.58	End Shut-In(2)
242	1560.64	105.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	clean oil	0.32
120.00	mud cut oil 65% oil 35% m	1.17
0.00	180' gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration

Keller #1

Box 150
Bogue KS 67625

Sec 2 11s 20W Ellis

Job Ticket: 20297

DST#: 2

ATTN: Mike Davignon

Test Start: 2004.09.12 @ 07:01:55

Tool Information

Drill Pipe:	Length: 3253.00 ft	Diameter: 3.80 inches	Volume: 45.63 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 46.23 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3370.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	61.00 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			3350.00	
Shut In Tool	5.00			3355.00	
Hydraulic tool	5.00			3360.00	
Packer	5.00			3365.00	21.00 Bottom Of Top Packer
Packer	5.00			3370.00	
Stubb	1.00			3371.00	
Recorder	0.00	6799	Inside	3371.00	
Perforations	3.00			3374.00	
Blank Spacing	33.00			3407.00	
Recorder	0.00	13254	Outside	3407.00	
Bullnose	3.00			3410.00	40.00 Bottom Packers & Anchor

Total Tool Length: 61.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration

Keller #1

Box 150
Bogue KS 67625

Sec 2 11s 20W Ellis

Job Ticket: 20297 **DST#: 2**

ATTN: Mike Davignon

Test Start: 2004.09.12 @ 07:01:55

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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	clean oil	0.320
120.00	mud cut oil 65% oil 35% m	1.173
0.00	180' gas in pipe	0.000

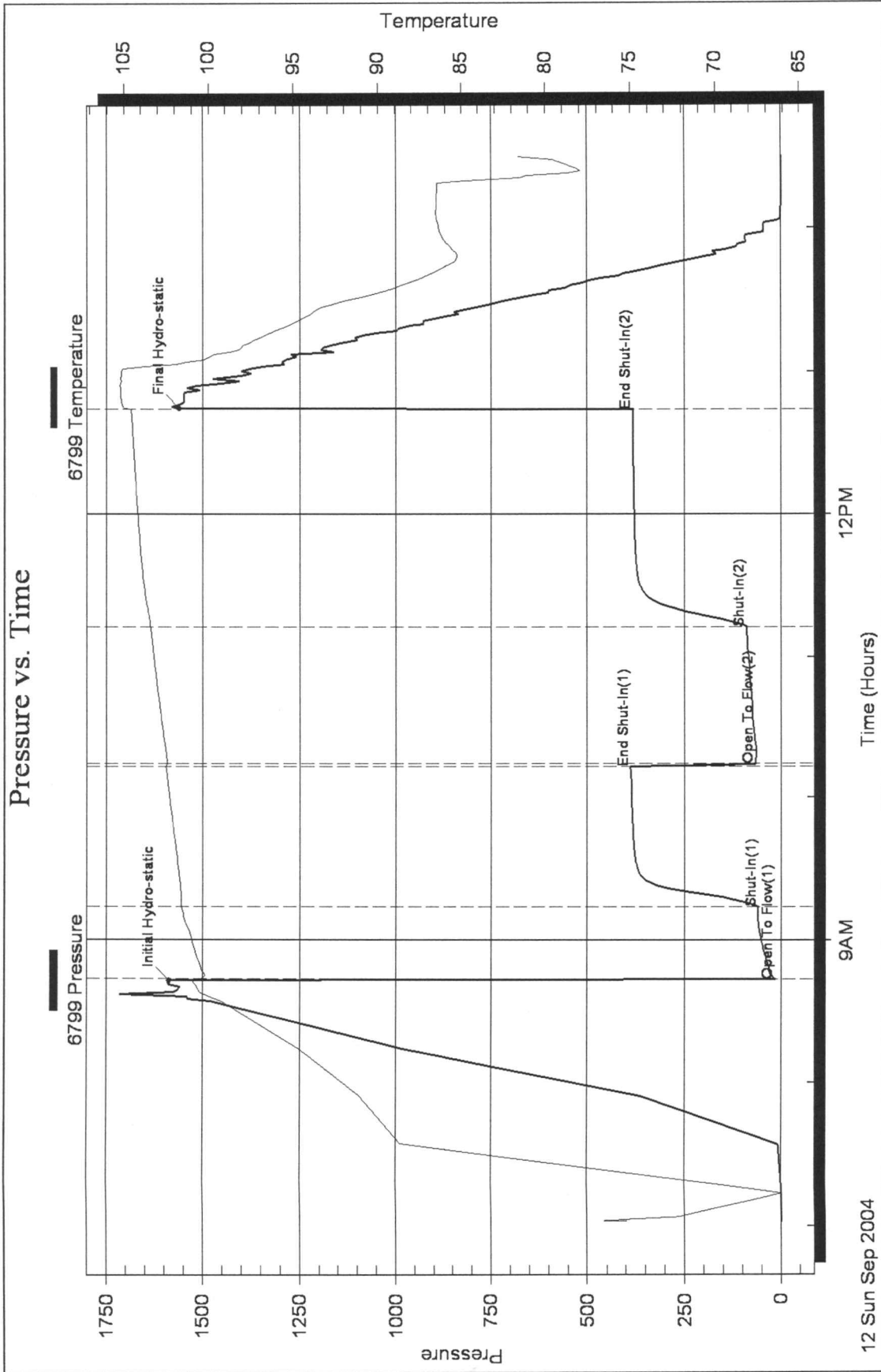
Total Length: 185.00 ft Total Volume: 1.493 bbl

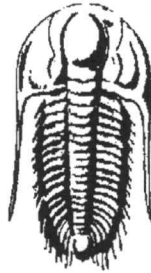
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Blake Exploration**

Box 150
Bogue KS 67625

ATTN: Mike Davignon

Sec 2 11s 20W Ellis

Keller #1

Start Date: 2004.09.12 @ 22:30:55

End Date: 2004.09.13 @ 11:22:18

Job Ticket #: 20298 DST #: 3

Trilobite Testing, Inc
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ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
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DRILL STEM TEST REPORT

Blake Exploration

Keller #1

Box 150
Bogue KS 67625

Sec 2 11s 20W Ellis

ATTN: Mike Davignon

Job Ticket: 20298 **DST#: 3**
Test Start: 2004.09.12 @ 22:30:55

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 07:54:18
Time Test Ended: 11:22:18

Test Type: **Conventional Bottom Hole**
Tester: **Paul**
Unit No: **21**

Interval: **3615.00 ft (KB) To 3652.00 ft (KB) (TVD)**
Total Depth: **3370.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2050.00 ft (KB)**
2045.00 ft (CF)
KB to GR/CF: **5.00 ft**

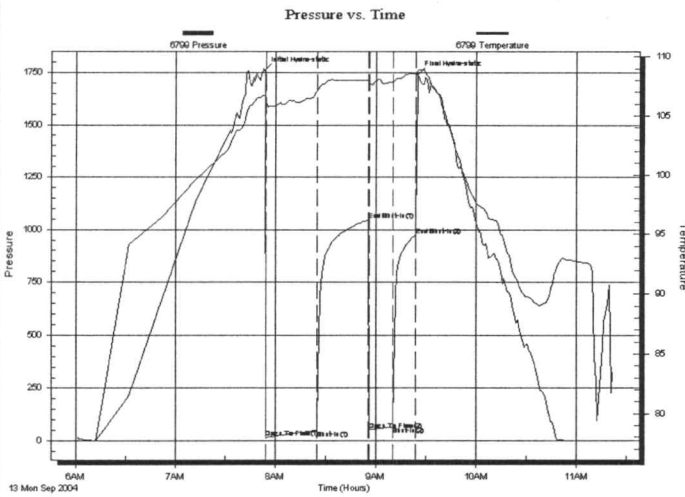
Serial #: 6799

Inside

Press@RunDepth: **67.01 psig @ 3618.00 ft (KB)**
Start Date: **2004.09.13** End Date: **2004.09.13**
Start Time: **06:01:17** End Time: **11:22:18**

Capacity: **6000.00 psig**
Last Calib.: **1899.12.30**
Time On Btm: **2004.09.13 @ 07:53:18**
Time Off Btm: **2004.09.13 @ 09:24:48**

TEST COMMENT: IF- weak surface blow building to 1"
FF- surface blow building to 1/4"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1759.48	106.66	Initial Hydro-static
1	13.56	106.06	Open To Flow (1)
32	50.37	107.07	Shut-In(1)
63	1046.08	108.02	End Shut-In(1)
63	52.96	107.65	Open To Flow (2)
77	67.01	107.84	Shut-In(2)
91	972.94	108.56	End Shut-In(2)
92	1741.48	108.82	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

Blake Exploration

Keller #1

Box 150
Bogue KS 67625

Sec 2 11s 20W Ellis

Job Ticket: 20298

DST#: 3

ATTN: Mike Davignon

Test Start: 2004.09.12 @ 22:30:55

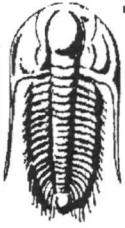
Tool Information

Drill Pipe:	Length: 3498.00 ft	Diameter: 3.80 inches	Volume: 49.07 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 47000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3615.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	58.00 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			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	2.00			3618.00	
Recorder	0.00	6799	Inside	3618.00	
Perforations	31.00			3649.00	
Recorder	0.00	13254	Outside	3649.00	
Bullnose	3.00			3652.00	37.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration

Keller #1

Box 150
Bogue KS 67625

Sec 2 11s 20W Ellis

Job Ticket: 20298

DST#: 3

ATTN: Mike Davignon

Test Start: 2004.09.12 @ 22:30:55

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: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.20 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

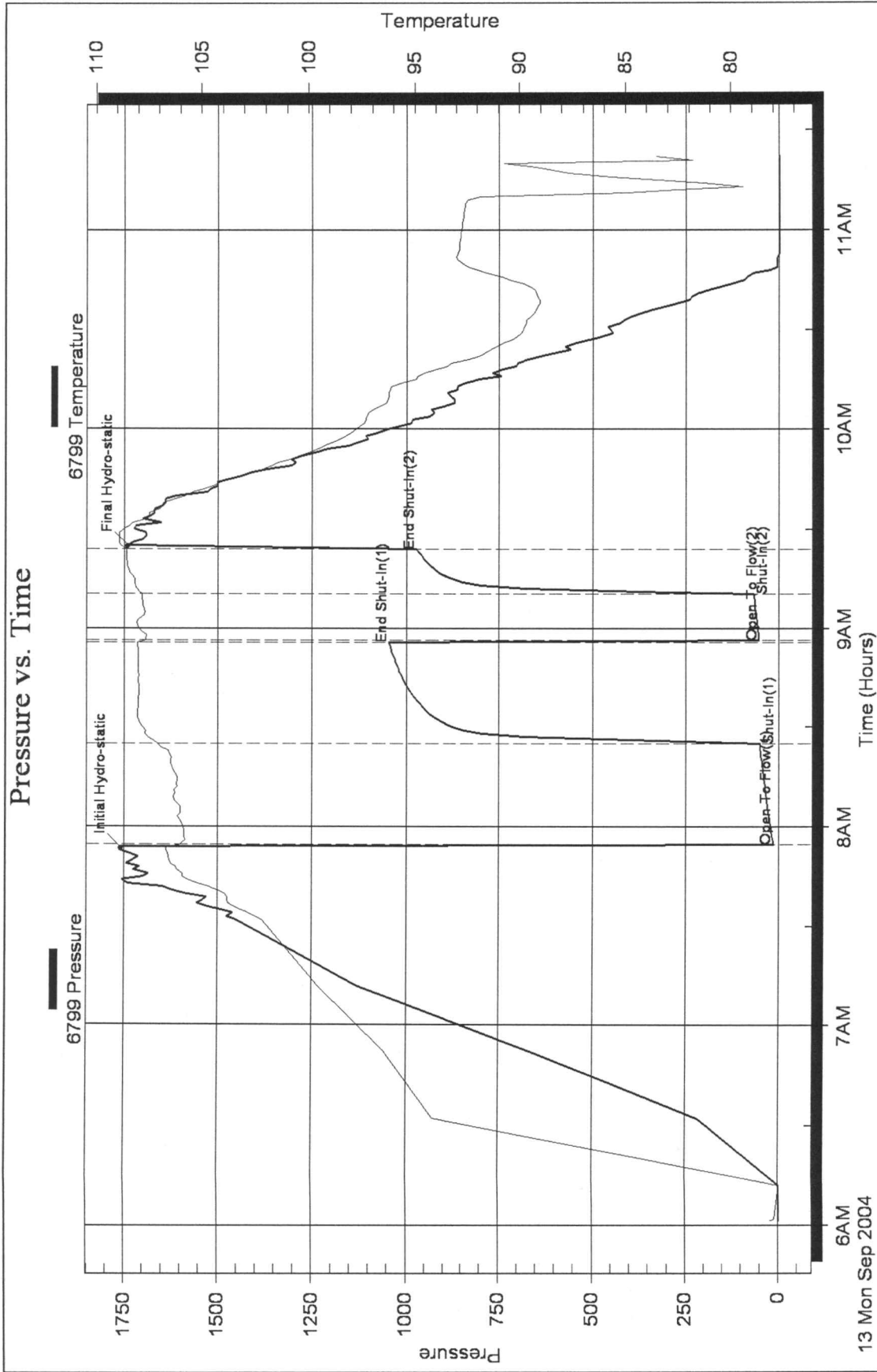
Num Gas Bombs: 0

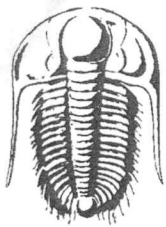
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 0772

No 20296

05/03

Test Ticket

Well Name & No. Keller #1 Test No. 1 Date 9/11/09
 Company Blake Exploration LLC Zone Tested Ks
 Address Box 150 Bogue Ks 67625 Elevation _____ KB _____ GL _____
 Co. Rep / Geo. Mike Daughan Cont. Mbfm #24 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 2 Twp. 11s Rge. 20w Co. Ellis State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3280-3350 Initial Str Wt./Lbs. 44,000 Unseated Str Wt./Lbs. 47,000
 Anchor Length 90 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 3255 Tool Weight 2400
 Bottom Packer Depth 3280 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3350 Wt. Pipe Run _____ Drill Collar Run 121
 Mud Wt. 8.19 LCM Vis. 58 WL 7.6 Drill Pipe Size 4 1/2 x 11 Ft. Run 3163
 Blow Description 1" blow building to bottom of bucket in 6 minutes
JST no blow
SS - surface blow building to bottom of bucket in 14 minutes

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
Rec. <u>360</u>	Feet of <u>water</u>						
Rec. <u>60</u>	Feet of <u>0+wcm</u>	<u>15</u>	<u>25</u>	<u>15</u>	<u>25</u>	<u>60</u>	<u>60</u>
Rec. <u>180</u>	Feet of <u>50cm</u>	<u>10</u>		<u>10</u>		<u>90</u>	<u>90</u>
Rec. <u>15</u>	Feet of <u>0cm</u>	<u>20</u>		<u>20</u>		<u>80</u>	<u>80</u>
Rec. <u>15</u>	Feet of <u>cleanoil</u>						
BHT <u>107</u>	°F Gravity <u>32</u>	*API D @ <u>50</u>	°F Corrected Gravity <u>30</u>	*API			
RW <u>.084</u>	@ <u>77.4</u> °F	Chlorides <u>90000</u> ppm	Recovery _____	Chlorides _____	ppm	System	

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1525</u> PSI	<u>13249</u>	<u>900</u>
(B) First Initial Flow Pressure	<u>115</u> PSI	(depth) <u>3340</u>	Elec. Rec. _____
(C) First Final Flow Pressure	<u>217</u> PSI	Recorder No. <u>6799</u>	Jars _____
(D) Initial Shut-In Pressure	<u>485</u> PSI	(depth) <u>3301</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>218</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>356</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>483</u> PSI	Initial Opening <u>36</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1132</u> PSI	Initial Shut-In <u>60</u>	Ext. Packer _____
		Final Flow <u>60</u>	Shale Packer _____
		Final Shut-In <u>90</u>	Mileage <u>58</u> <u>49.30</u>

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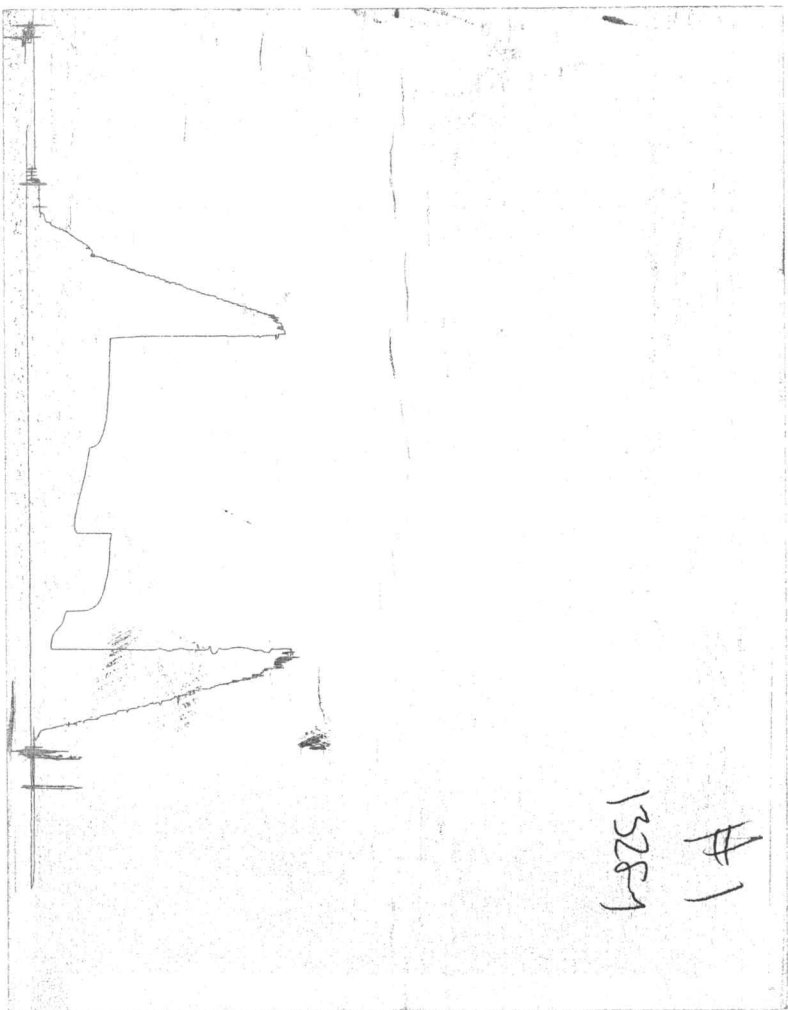
Approved By _____
 Our Representative Paul Simpson

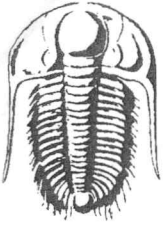
T-On Location

T-Started 10334
 T-Open 1455
 T-Pulled _____
 T-Out _____

Sub Total: _____
 Std. By 949.30
 Other _____
 Total: _____

CHART PAGE
This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20297

05/03

Test Ticket

Well Name & No. Weller #1 Test No. 2 Date 9/12/04
 Company Blake Exploration Zone Tested KC
 Address _____ Elevation 2055 KB 2050 GL
 Co. Rep / Geo. Mike Davignon Cont. Mud #24 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 2 Twp. 11s Rge. 20w Co. Ellis State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3370-3410 Initial Str Wt./Lbs. 44,000 Unseated Str Wt/Lbs. _____
 Anchor Length 40 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. _____
 Top Packer Depth 3365 Tool Weight 2200
 Bottom Packer Depth 3370 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3410 Wt. Pipe Run _____ Drill Collar Run 121
 Mud Wt. 9.8 LCM _____ Vis. 55 WL _____ Drill Pipe Size 4 1/2 XH Ft. Run 3253
 Blow Description Weak 1/2" blow building to 7"

TSI - surface blow
FF - 1/2" blow building to 11"
PSI - weak surface blow

Recovery - Total Feet 185 GIP 180 Ft. in DC 121 Ft. in DP 64
 Rec. 120 Feet of MCO %gas 65 %oil _____ %water 35 %mud _____
 Rec. 65 Feet of CO %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 105 °F Gravity 33 °API D @ 90 °F Corrected Gravity 30 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1587</u>	PSI	<u>6799</u>	<u>900</u>
(B) First Initial Flow Pressure	<u>16</u>	PSI (depth)	<u>3373</u>	Elec. Rec. _____
(C) First Final Flow Pressure	<u>59</u>	PSI	<u>13249</u>	Jars _____
(D) Initial Shut-In Pressure	<u>389</u>	PSI (depth)		Safety Jt. _____
(E) Second Initial Flow Pressure	<u>65</u>	PSI		Circ Sub _____
(F) Second Final Flow Pressure	<u>89</u>	PSI (depth)		Sampler _____
(G) Final Shut-In Pressure	<u>381</u>	PSI	<u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1561</u>	PSI	<u>60</u>	Ext. Packer _____

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

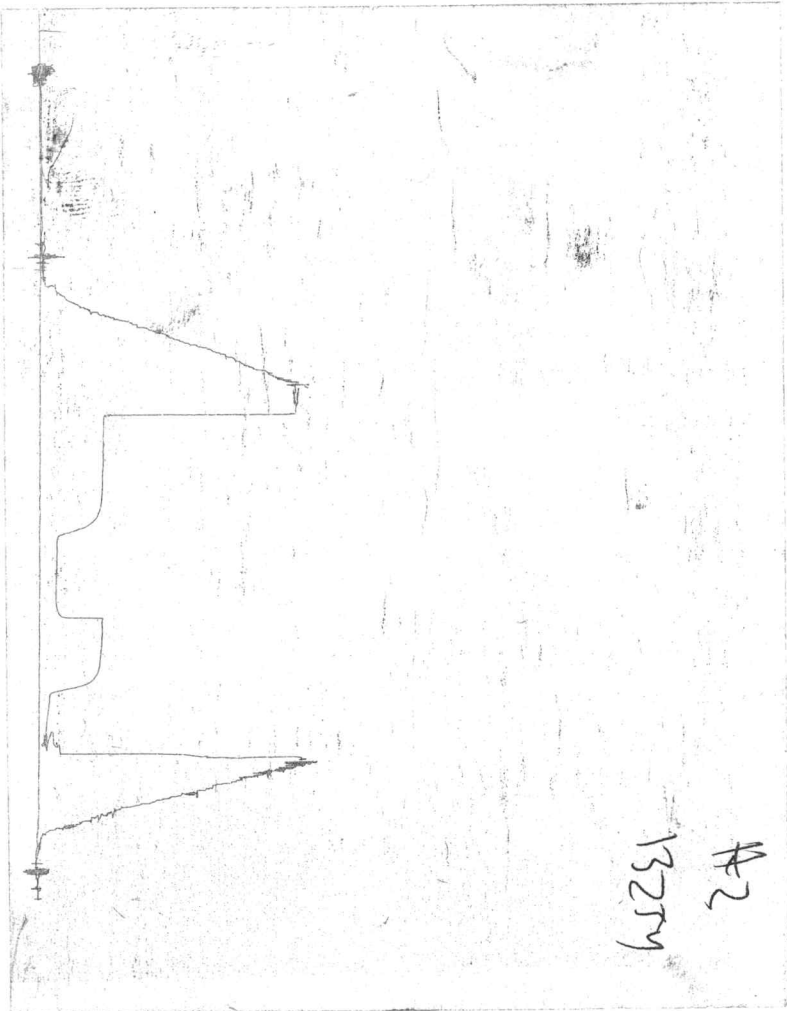
Approved By [Signature]
 Our Representative [Signature]

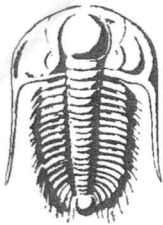
Initial Opening 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 96
 T-On Location 0500
 T-Started 0520
 T-Open 0701
 T-Pulled 1107
 T-Out 1430

Shale Packer _____
 Mileage 58 49.30
 Sub Total: 949.30
 Std. By _____
 Other _____
 Total: _____

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20298

05/03

Test Ticket

Well Name & No. Keller #1 Test No. 3 Date 9/13
 Company Blake Exploration Zone Tested Arbuckle
 Address _____ Elevation 2055 KB 2050 GL
 Co. Rep / Geo. Mike Davignon Cont. Murf #24 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 2 Twp. 11s Rge. 20w Co. Ellis State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3615 - 3652 Initial Str Wt./Lbs. 46,000 Unseated Str Wt/Lbs. _____
 Anchor Length 37 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. _____
 Top Packer Depth 3610 Tool Weight 2200
 Bottom Packer Depth 3615 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3652 Wt. Pipe Run _____ Drill Collar Run 121
 Mud Wt. 9.10 LCM _____ Vis. 58 WL 7.2 Drill Pipe Size 4" x 4" Ft. Run 3498
 Blow Description weak "u" blow building top
sf surface blow building down

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
<u>70</u>		<u>50</u>					
Rec. <u>10</u>	Feet of <u>slight speckled mud</u>	<u>2</u>				<u>98</u>	
Rec. <u>60</u>	Feet of <u>mw</u>				<u>75</u>	<u>25</u>	
Rec. _____	Feet of _____						
Rec. _____	Feet of _____						
Rec. _____	Feet of _____						

BHT 109 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .4 @ 95 °F Chlorides 14,000 ppm Recovery _____ Chlorides _____ ppm System

AK-1	Alpine	PSI	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1759</u>		<u>6799</u>	<u>900</u>
(B) First Initial Flow Pressure	<u>13</u>		(depth) <u>3618</u>	Elec. Rec. _____
(C) First Final Flow Pressure	<u>50</u>		Recorder No. <u>13254</u>	Jars _____
(D) Initial Shut-In Pressure	<u>1046</u>		(depth) <u>3649</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>53</u>		Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>67</u>		(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>973</u>		Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1741</u>		Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>15</u>	Shale Packer _____
			Final Shut-In <u>15</u>	Mileage <u>29 lwy 49.30</u>
			T-On Location <u>0805</u>	Sub Total: <u>949.30</u>
			Started <u>0965</u>	Std. By _____
			T-Open <u>1100</u>	Other _____
			T-Pulled <u>1230</u>	Total: _____
			T-Out <u>1340</u>	

Approved By [Signature]
 Our Representative [Signature]

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CHART PAGE

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