



DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

P. O. Box 428
Logan KS. 67646

ATTN: Jim Baird

17-7S-20W Rooks KS

LeSage #1-17

Start Date: 2004.07.17 @ 19:09:43

End Date: 2004.07.18 @ 01:07:13

Job Ticket #: 19038 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

Baird Oil Company

LeSage #1-17

P. O. Box 428
Logan KS. 67646

17-7S-20W Rooks KS

Job Ticket: 19038

DST#: 1

ATTN: Jim Baird

Test Start: 2004.07.17 @ 19:09:43

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:33:43

Time Test Ended: 01:07:13

Test Type: Conventional Bottom Hole

Tester: Rod Steinbrink

Unit No: 22

Interval: 3303.00 ft (KB) To 3330.00 ft (KB) (TVD)

Total Depth: 3330.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2127.00 ft (KB)

2122.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6798

Inside

Press@RunDepth: 629.13 psig @ 3304.00 ft (KB)

Start Date: 2004.07.17

End Date:

2004.07.18

Start Time: 19:09:45

End Time:

01:07:13

Capacity: 7000.00 psig

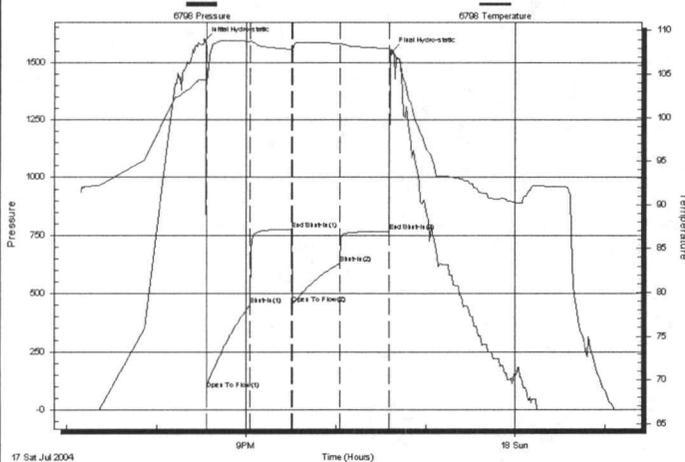
Last Calib.: 1899.12.30

Time On Btm: 2004.07.17 @ 20:31:58

Time Off Btm: 2004.07.17 @ 22:36:58

TEST COMMENT: IF; Strong blow off btm in 4 mins
IS; No return blow
FF; Strong blow off btm in 4 mins
FSI; Surface return built to 2"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1594.12	104.32	Initial Hydro-static
2	88.04	103.97	Open To Flow (1)
31	450.06	108.76	Shut-In(1)
59	775.31	107.84	End Shut-In(1)
59	456.56	107.87	Open To Flow (2)
91	629.13	108.53	Shut-In(2)
123	766.75	107.95	End Shut-In(2)
125	1548.87	107.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
935.00	Wtr	11.99
185.00	SGOCW 5%g 8%o 87%w	2.60
120.00	GOMCW 10%g 10%o 70%w 10%m	1.68
80.00	GOMCW 10%g 10%o 65%w 15%m	1.12
20.00	GWCO 10%g 60%o 30%w	0.28
	60' GIP	

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company

LeSage #1-17

P. O. Box 428
Logan KS. 67646

17-7S-20W Rooks KS

Job Ticket: 19038

DST#: 1

ATTN: Jim Baird

Test Start: 2004.07.17 @ 19:09:43

Tool Information

Drill Pipe:	Length: 3192.00 ft	Diameter: 3.80 inches	Volume: 44.78 bbl	Tool Weight: 2000.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 45.39 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3303.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3289.00	
Hydraulic tool	5.00			3294.00	
Packer	5.00			3299.00	19.00 Bottom Of Top Packer
Packer	4.00			3303.00	
Stubb	1.00			3304.00	
Recorder	0.00	6798	Inside	3304.00	
Anchor	21.00			3325.00	
Recorder	0.00	13276	Outside	3325.00	
Bullnose	5.00			3330.00	27.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

LeSage #1-17

P. O. Box 428
Logan KS. 67646

17-7S-20W Rooks KS

Job Ticket: 19038

DST#: 1

ATTN: Jim Baird

Test Start: 2004.07.17 @ 19:09:43

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
935.00	Wtr	11.986
185.00	SGOCW 5%g 8%o 87%w	2.595
120.00	GOMCW 10%g 10%o 70%w 10%m	1.683
80.00	GOMCW 10%g 10%o 65%w 15%m	1.122
20.00	GWCO 10%g 60%o 30%w	0.281
	60' GIP	

Total Length: 1340.00 ft Total Volume: 17.667 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

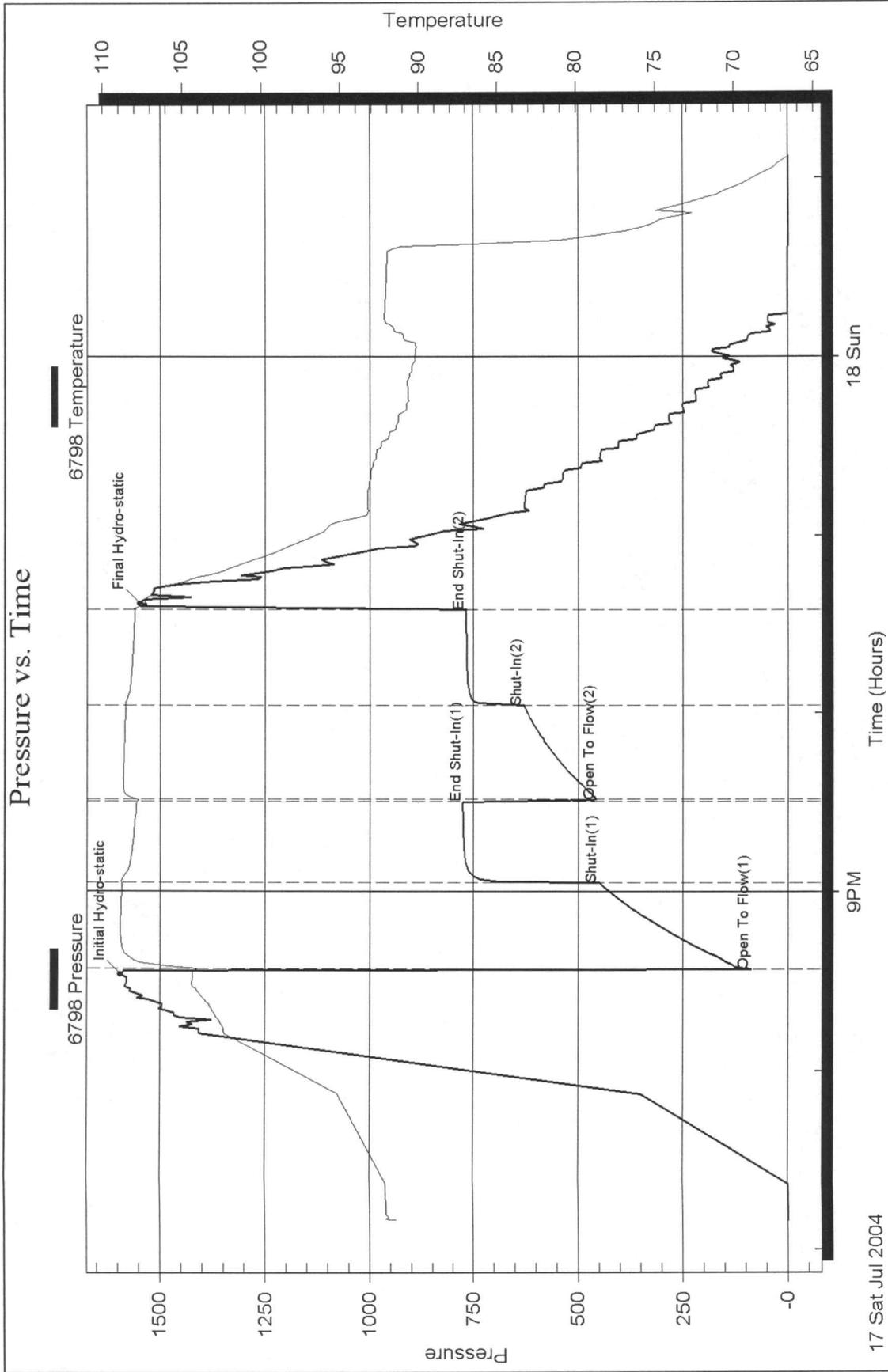
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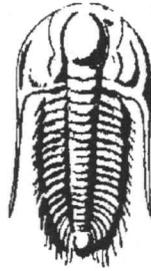
Laboratory Name:

Laboratory Location:

Recovery Comments: RW .24 @ 70 Deg = 30,000 Chlorides

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

P. O. Box 428
Logan KS. 67646

ATTN: Jim Baird

17-7S-20W Rooks KS

LeSage #1-17

Start Date: 2004.07.18 @ 10:43:33

End Date: 2004.07.18 @ 16:46:03

Job Ticket #: 19039 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Baird Oil Company

LeSage #1-17

17-7S-20W Rooks KS

DST # 2

L/KC "A - C"

2004.07.18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Baird Oil Company

LeSage #1-17

P. O. Box 428
Logan KS. 67646

17-7S-20W Rooks KS

ATTN: Jim Baird

Job Ticket: 19039

DST#: 2

Test Start: 2004.07.18 @ 10:43:33

GENERAL INFORMATION:

Formation: **L/KC "A - C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:06:33

Time Test Ended: 16:46:03

Test Type: Conventional Bottom Hole

Tester: Rod Steinbrink

Unit No: 22

Interval: 3358.00 ft (KB) To 3384.00 ft (KB) (TVD)

Total Depth: 3384.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2127.00 ft (KB)

2122.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6798

Inside

Press@RunDepth: 88.44 psig @ 3359.00 ft (KB)

Start Date: 2004.07.18

End Date: 2004.07.18

Start Time: 10:43:35

End Time: 16:46:03

Capacity: 7000.00 psig

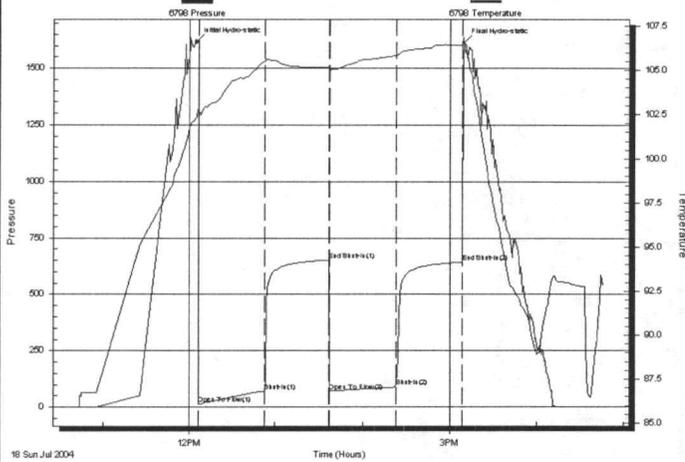
Last Calib.: 1899.12.30

Time On Btm: 2004.07.18 @ 12:05:03

Time Off Btm: 2004.07.18 @ 15:09:48

TEST COMMENT: IF; Weak building blow to 5"
IS; No return
FF; Weak building blow to 2"
FS; No return

Pressure vs. Time



PRESSURE SUMMARY

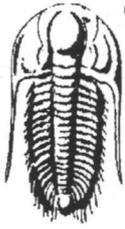
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1619.59	102.31	Initial Hydro-static
2	11.77	102.52	Open To Flow (1)
48	69.05	105.50	Shut-In(1)
92	652.64	105.18	End Shut-In(1)
93	70.37	105.01	Open To Flow (2)
138	88.44	105.81	Shut-In(2)
184	643.39	106.41	End Shut-In(2)
185	1614.56	106.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCW 90%w 10%m	0.59
44.00	HMCW w/trc of Oil >1% 60%w 40%m	0.58

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company

LeSage #1-17

P. O. Box 428
Logan KS. 67646

17-7S-20W Rooks KS

Job Ticket: 19039

DST#: 2

ATTN: Jim Baird

Test Start: 2004.07.18 @ 10:43:33

Tool Information

Drill Pipe:	Length: 3222.00 ft	Diameter: 3.80 inches	Volume: 45.20 bbl	Tool Weight: 2000.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 45.81 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3358.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3344.00	
Hydraulic tool	5.00			3349.00	
Packer	5.00			3354.00	19.00 Bottom Of Top Packer
Packer	4.00			3358.00	
Stubb	1.00			3359.00	
Recorder	0.00	6798	Inside	3359.00	
Anchor	20.00			3379.00	
Recorder	0.00	13276	Outside	3379.00	
Bullnose	5.00			3384.00	26.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

LeSage #1-17

P. O. Box 428
Logan KS. 67646

17-7S-20W Rooks KS

Job Ticket: 19039

DST#: 2

ATTN: Jim Baird

Test Start: 2004.07.18 @ 10:43:33

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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MCW 90%w 10%m	0.590
44.00	HMCW w/trc of Oil >1% 60%w 40%m	0.581

Total Length: 164.00 ft Total Volume: 1.171 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

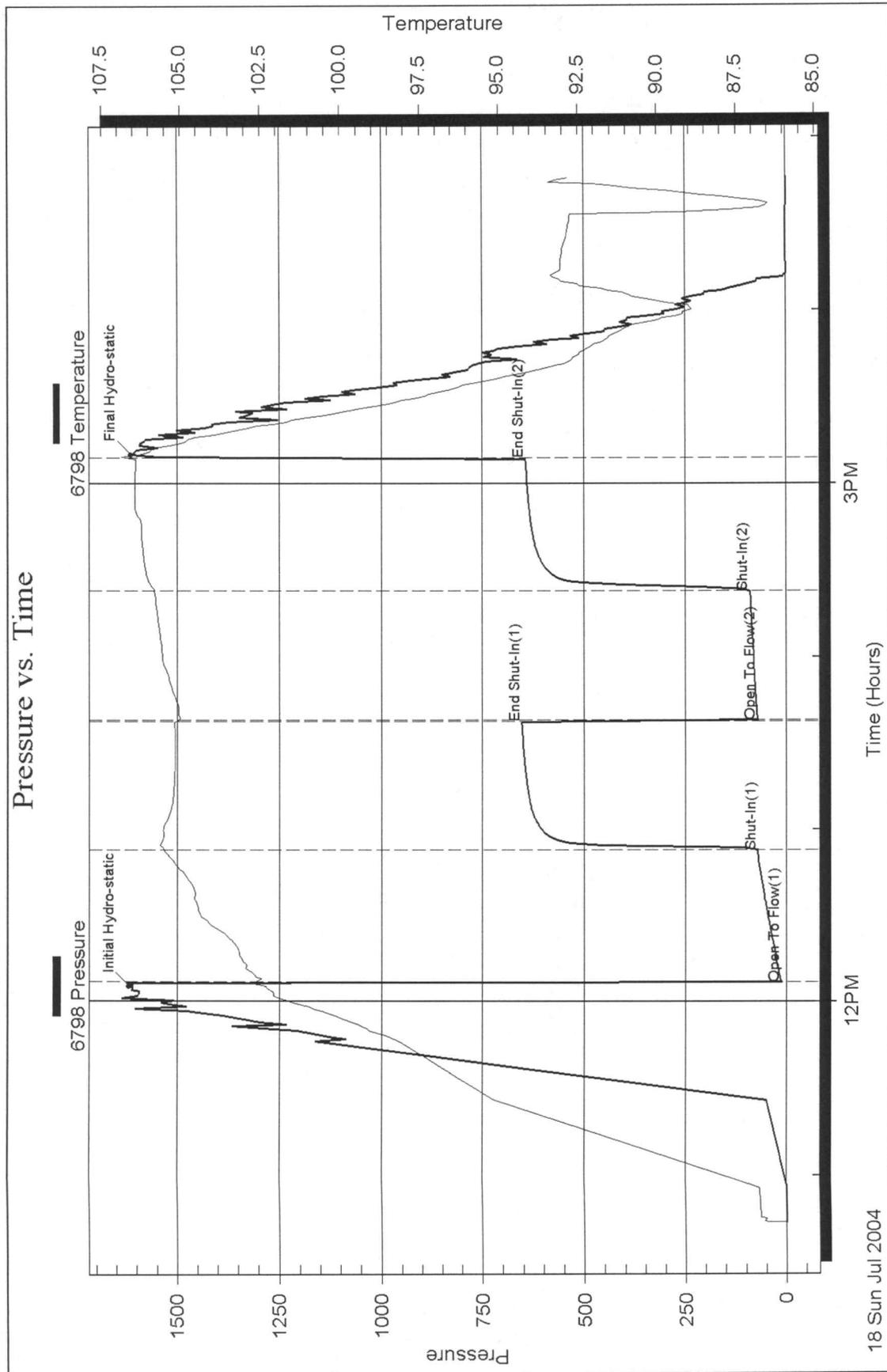
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .19 @ 70 Deg = 40,000 Chlorides

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

P. O. Box 428
Logan KS. 67646

ATTN: Jim Baird

17-7S-20W Rooks KS

LeSage #1-17

Start Date: 2004.07.18 @ 03:41:33

End Date: 2004.07.19 @ 09:45:00

Job Ticket #: 19040 DST #: 3

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



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DRILL STEM TEST REPORT

Baird Oil Company

P. O. Box 428
Logan KS. 67646

ATTN: Jim Baird

LeSage #1-17

17-7S-20W Rooks KS

Job Ticket: 19040

DST#: 3

Test Start: 2004.07.18 @ 03:41:33

GENERAL INFORMATION:

Formation: **L/KC "E-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:50:26

Time Test Ended: 09:45:00

Test Type: Conventional Bottom Hole

Tester: Rod Steinbrink

Unit No: 22

Interval: 3409.00 ft (KB) To 3436.00 ft (KB) (TVD)

Total Depth: 3436.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2127.00 ft (KB)

2122.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6798

Inside

Press@RunDepth: 69.94 psig @ 3410.00 ft (KB)

Start Date: 2004.07.18 End Date: 2004.07.18

Start Time: 03:41:33 End Time: 10:07:41

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2004.07.18 @ 04:40:26

Time Off Btm: 2004.07.18 @ 07:58:11

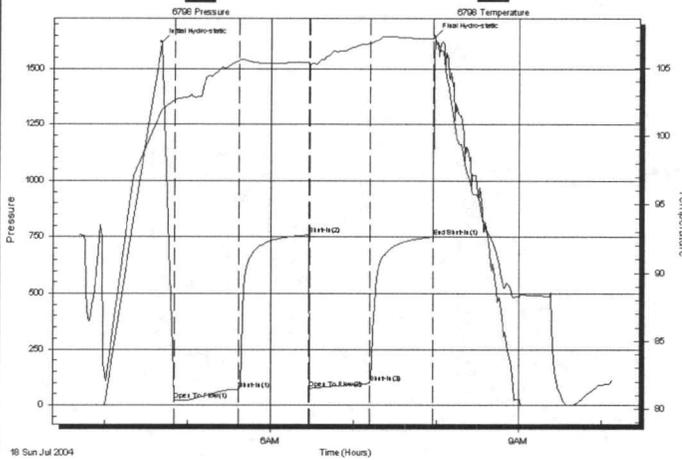
TEST COMMENT: IF; Weak building blow to 6"

IS; No return blow

FF; Surface return in 10 mins built to 2"

FS; No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1620.28	101.93	Initial Hydro-static
10	21.40	102.66	Open To Flow (1)
57	69.94	105.55	Shut-In(1)
107	759.61	105.45	Shut-In(2)
108	74.37	105.23	Open To Flow (2)
152	97.89	106.83	Shut-In(3)
197	751.36	107.17	End Shut-In(1)
198	1644.68	107.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MCW trc/oil 80%w 20%m	0.61
62.00	SOWCM 5%o 45%w 50%m	0.87
4.00	FO	0.06

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company

LeSage #1-17

P. O. Box 428
Logan KS. 67646

17-7S-20W Rooks KS

Job Ticket: 19040

DST#: 3

ATTN: Jim Baird

Test Start: 2004.07.18 @ 03:41:33

Tool Information

Drill Pipe:	Length: 3283.00 ft	Diameter: 3.80 inches	Volume: 46.05 bbl	Tool Weight: 2000.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 46.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3409.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	46.00 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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Shut In Tool	5.00			3395.00	
Hydraulic tool	5.00			3400.00	
Packer	5.00			3405.00	19.00 Bottom Of Top Packer
Packer	4.00			3409.00	
Stubb	1.00			3410.00	
Recorder	0.00	6798	Inside	3410.00	
Anchor	21.00			3431.00	
Recorder	0.00	13276	Outside	3431.00	
Bullnose	5.00			3436.00	27.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

LeSage #1-17

P. O. Box 428
Logan KS. 67646

17-7S-20W Rooks KS

Job Ticket: 19040

DST#: 3

ATTN: Jim Baird

Test Start: 2004.07.18 @ 03:41:33

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

23 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	MCW trc/oil 80%w 20%m	0.610
62.00	SOWCM 5%o 45%w 50%m	0.870
4.00	FO	0.056

Total Length: 190.00 ft Total Volume: 1.536 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

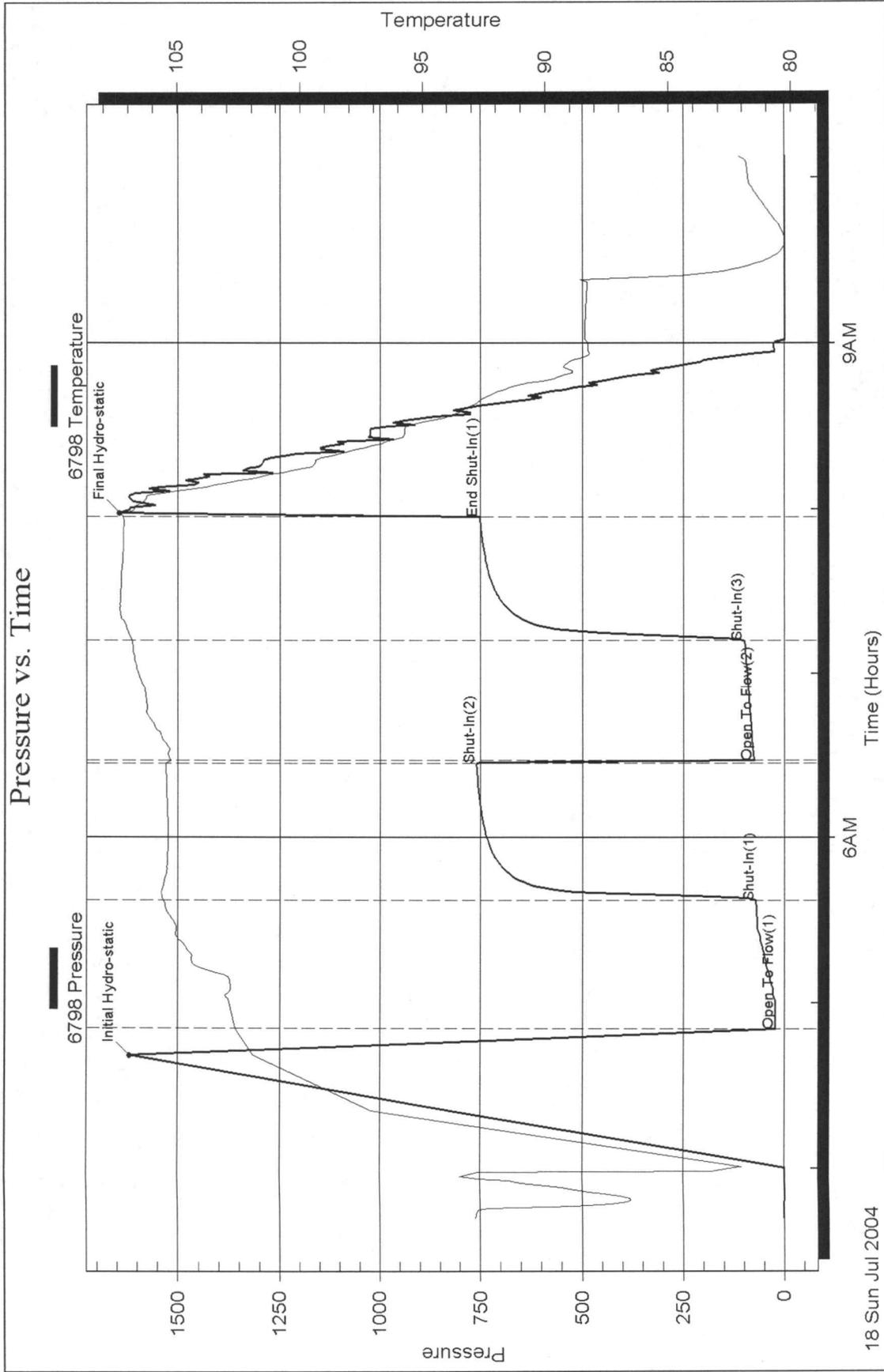
Serial #:

Laboratory Name:

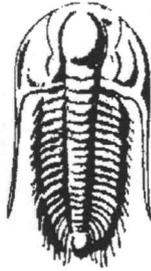
Laboratory Location:

Recovery Comments: RW .21 @ 70 Deg = 35,000 Chlorides

Pressure vs. Time



18 Sun Jul 2004



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

P. O. Box 428
Logan KS. 67646

ATTN: Jim Baird

17-7S-20W Rooks KS

LeSage #1-17

Start Date: 2004.07.20 @ 02:17:46

End Date: 2004.07.20 @ 08:59:46

Job Ticket #: 19041 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Baird Oil Company

LeSage #1-17

P. O. Box 428
Logan KS. 67646

17-7S-20W Rooks KS

ATTN: Jim Baird

Job Ticket: 19041

DST#: 4

Test Start: 2004.07.20 @ 02:17:46

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:40:01

Time Test Ended: 08:59:46

Test Type: Conventional Bottom Hole

Tester: Rod Steinbrink

Unit No: 22

Interval: 3570.00 ft (KB) To 3588.00 ft (KB) (TVD)

Total Depth: 3588.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2127.00 ft (KB)

2122.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6798

Inside

Press@RunDepth: 220.98 psig @ 3571.00 ft (KB)

Start Date: 2004.07.20 End Date: 2004.07.20

Start Time: 02:17:48 End Time: 08:59:46

Capacity: 7000.00 psig

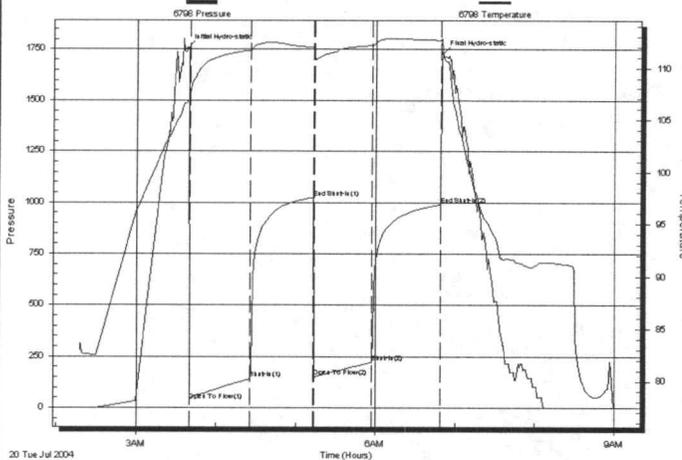
Last Calib.: 1899.12.30

Time On Btm: 2004.07.20 @ 03:38:16

Time Off Btm: 2004.07.20 @ 06:50:01

TEST COMMENT: IF; Weak to fair off btm in 8 mins
IS; Surface blow built to 5 1/4"
FF; Weak to fair off btm in 15 mins
FS; Surface blow built to 1"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1754.44	106.69	Initial Hydro-static
2	34.57	106.99	Open To Flow (1)
48	141.04	111.68	Shut-In(1)
95	1023.88	111.96	End Shut-In(1)
96	151.97	111.07	Open To Flow (2)
139	220.98	112.13	Shut-In(2)
191	988.48	112.66	End Shut-In(2)
192	1730.62	111.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	OCM 40%g 60%m	0.61
501.00	SGO 10%g 90%oil	7.03
	270 GIP	

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company

LeSage #1-17

P. O. Box 428
Logan KS. 67646

17-7S-20W Rooks KS

Job Ticket: 19041

DST#: 4

ATTN: Jim Baird

Test Start: 2004.07.20 @ 02:17:46

Tool Information

Drill Pipe:	Length: 3444.00 ft	Diameter: 3.80 inches	Volume: 48.31 bbl	Tool Weight: 2000.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 48.92 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3570.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3556.00	
Hydraulic tool	5.00			3561.00	
Packer	5.00			3566.00	19.00 Bottom Of Top Packer
Packer	4.00			3570.00	
Stubb	1.00			3571.00	
Recorder	0.00	6798	Inside	3571.00	
Anchor	12.00			3583.00	
Recorder	0.00	13276	Outside	3583.00	
Bullnose	5.00			3588.00	18.00 Bottom Packers & Anchor
Total Tool Length:	37.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

LeSage #1-17

P. O. Box 428
Logan KS. 67646

17-7S-20W Rooks KS

Job Ticket: 19041

DST#: 4

ATTN: Jim Baird

Test Start: 2004.07.20 @ 02:17:46

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30.2 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	OCM 40%g 60%m	0.610
501.00	SGO 10%g 90%oil	7.028
	270 GIP	

Total Length: -999374.00 ft

Total Volume: 7.638 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

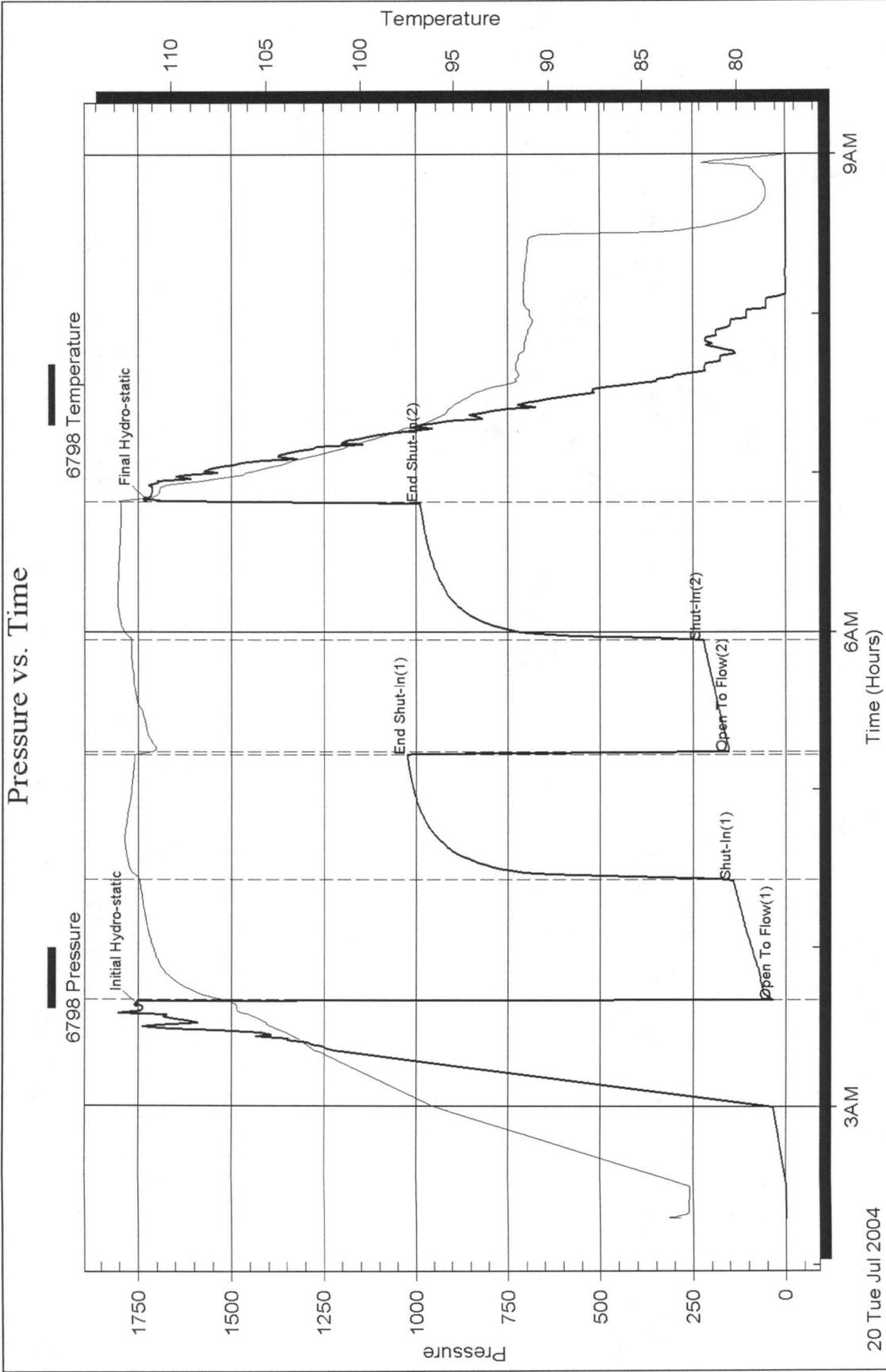
Serial #:

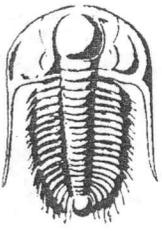
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 0612

No 19038

05/03

Test Ticket

Well Name & No. LeSage #1-17 Test No. 1 Date 7-17-04
 Company Baird Oil Company Zone Tested Top
 Address P.O. Box 428 Logan KS. Elevation 2127 KB 2122 GL
 Co. Rep / Geo. Jim Baird Cont. Murfin #16 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 17 Twp. 7^s Rge. 20^w Co. Rooks State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3303 - 3330 Initial Str Wt./Lbs. 54,000 Unseated Str Wt./Lbs. 68,000
 Anchor Length 27' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 75,000
 Top Packer Depth 3298 Tool Weight 2,000
 Bottom Packer Depth 3303 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3330 Wt. Pipe Run _____ Drill Collar Run 124'
 Mud Wt. 9.0 LCM - Vis. 46 WL 6.8 Drill Pipe Size 4 1/2" x 4 Ft. Run 3192'

Blow Description IF: Strong blow off btm 4 mins.
ISI: No return
FF: Strong blow off btm 4 mins.
FSI: Surface return built to 2"

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>1340'</u>	<u>60'</u>	<u>124'</u>	<u>1216'</u>
Rec. <u>20'</u>	Feet of <u>GWCO .281 bbls</u>	<u>10 %gas 60 %oil 30 %water</u>	<u>%mud</u>
Rec. <u>80'</u>	Feet of <u>GOMCW 1.122 bbls</u>	<u>10 %gas 10 %oil 65 %water 15 %mud</u>	
Rec. <u>120'</u>	Feet of <u>GOMCW 1.683 bbls</u>	<u>10 %gas 10 %oil 70 %water 10 %mud</u>	
Rec. <u>185'</u>	Feet of <u>SGOCW 2.595 bbls</u>	<u>5 %gas 8 %oil 87 %water - %mud</u>	
Rec. <u>935'</u>	Feet of <u>Wtr. 11.986 bbls</u>	<u>%gas trc. %oil 100 %water %mud</u>	
BHT <u>107°</u>	°F Gravity <u>32</u>	°API D @ <u>60°</u>	°F Corrected Gravity <u>32</u> °API
RW <u>.24</u>	@ <u>70°</u> °F	Chlorides <u>30,000</u> ppm	Recovery _____ Chlorides <u>700</u> ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1594</u> PSI	<u>6798</u>	_____
(B) First Initial Flow Pressure	<u>88</u> PSI	(depth) <u>3304</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>450</u> PSI	Recorder No. <u>13276</u>	Jars _____
(D) Initial Shut-In Pressure	<u>775</u> PSI	(depth) <u>3325</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>456</u> PSI	Recorder No. _____	Circ Sub <u>X</u> <u>N/C</u>
(F) Second Final Flow Pressure	<u>629</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>766</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1548</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
		Final Flow <u>30</u>	Shale Packer _____
		Final Shut-In <u>30</u>	Mileage <u>1 way 140</u>

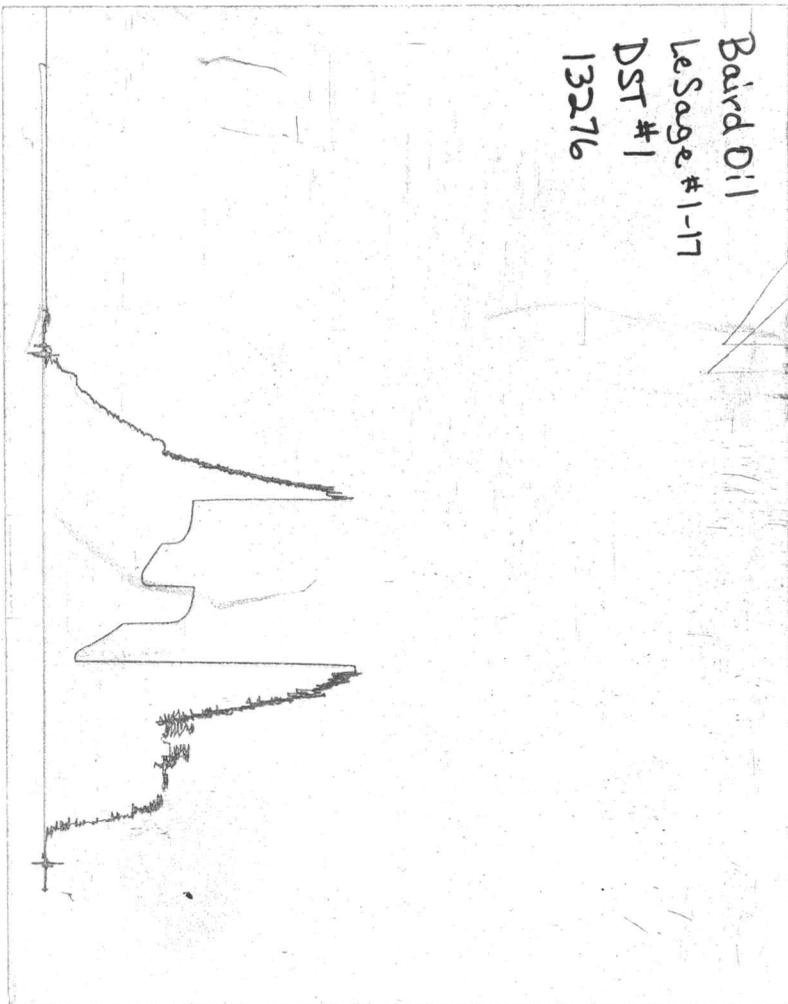
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

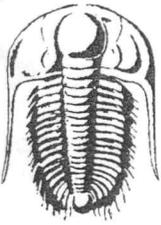
Approved By [Signature]
 Our Representative Rod Steinbrink

T-On Location 1745
 T-Started 1909
 T-Open 2033
 T-Pulled 2234
 T-Out 0107 7-18-04
 Sub Total: 1138.00
 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. 19039

05/03

Test Ticket

Well Name & No. LeSage #1-17 Test No. 2 Date 7-18-04
 Company Baird Oil Company Zone Tested L/KC 'C'
 Address P.O. Box 428 Logan KS. 67646 Elevation 2127 KB 2122 GL
 Co. Rep / Geo. Jim Baird Cont. Murfin #16 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 17 Twp. 7^S Rge. 20^W Co. Rooks State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3358 - 3384 Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 60,000
 Anchor Length 26' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 3353 Tool Weight 2,000
 Bottom Packer Depth 3358 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3384 Wt. Pipe Run — Drill Collar Run 124'
 Mud Wt. 9.2 LCM — Vis. 50 WL 7.2 Drill Pipe Size 4 1/2" XH Ft. Run 3222'

Blow Description IF: Weak building blow to 5"
ISI: No return
FF: Weak building blow to 2"
FSI: No return

Recovery - Total Feet 185' GIP — Ft. in DC 124' Ft. in DP 41'

Rec.	Feet of	%gas	%oil	%water	%mud
<u>1'</u>	<u>Free Oil</u>				
<u>44'</u>	<u>HMCW w/Trc Oil</u>	<u>> 1</u>	<u>60</u>	<u>40</u>	
<u>120'</u>	<u>MCW</u>		<u>90</u>	<u>10</u>	

BHT 106° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW -19 @ 70° °F Chlorides 40,000 ppm Recovery _____ Chlorides 1,400 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1619</u> PSI		<u>6798</u>	
(B) First Initial Flow Pressure	<u>11</u> PSI		(depth) <u>3359</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>69</u> PSI		Recorder No. <u>13276</u>	Jars _____
(D) Initial Shut-In Pressure	<u>652</u> PSI		(depth) <u>3379</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>70</u> PSI		Recorder No. _____	Circ Sub <u>X</u> <u>N/C</u>
(F) Second Final Flow Pressure	<u>88</u> PSI		(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>643</u> PSI	Initial Opening	<u>45</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1614</u> PSI	Initial Shut-In	<u>45</u>	Ext. Packer _____
		Final Flow	<u>45</u>	Shale Packer _____
		Final Shut-In	<u>45</u>	Mileage <u>1 way 18</u>

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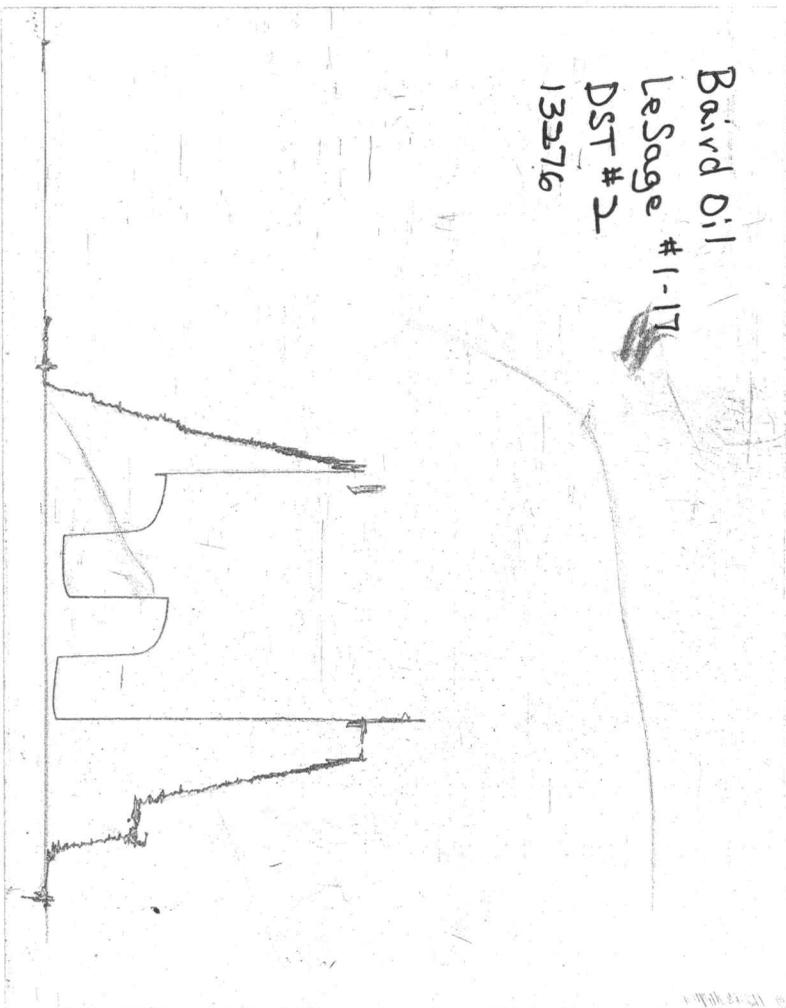
Approved By [Signature]
 Our Representative Rod Steinbrink

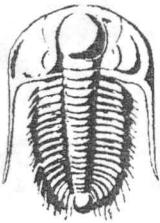
T-On Location 1015
 T-Started 1043
 T-Open 1206
 T-Pulled 1508
 T-Out 1646

Sub Total: 930.60
 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 19040

05/03

Test Ticket

Well Name & No. LeSage #1-17 Test No. 3 Date 7-19-04
 Company Baird Oil Company Zone Tested L/KC 'E-G'
 Address P.O. Box 428 Logan KS. 67646 Elevation 2127 KB 2122 GL
 Co. Rep / Geo. Jim Baird Cont. Murfin #16 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 17 Twp. 7^s Rge. 20^w Co. Rooks State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3409 - 3436 Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 60,000
 Anchor Length 27' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 3404 Tool Weight 2,000
 Bottom Packer Depth 3409 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3436 Wt. Pipe Run — Drill Collar Run 124'
 Mud Wt. 9.2 LCM — Vis. 46 WL 8.0 Drill Pipe Size 4 1/2" x 4 Ft. Run 3283'
 Blow Description IF: Weak building blow to 6"
ISI: No return
FF: Surface return in 10 mins built to 2"
FSI: No return

Recovery - Total Feet 190' GIP — Ft. in DC 124' Ft. in DP 66'

Rec.	Feet of	%gas	%oil	%water	%mud
<u>4'</u>	<u>FO</u>	<u>100</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>62'</u>	<u>SDWCM</u>	<u>5</u>	<u>45</u>	<u>50</u>	<u>—</u>
<u>124'</u>	<u>MCW</u>	<u>trc.</u>	<u>80</u>	<u>20</u>	<u>—</u>

 BHT _____ °F Gravity 25 °API D @ 90° °F Corrected Gravity 23 °API
 RW .21 @ 70° °F Chlorides 35,000 ppm Recovery _____ Chlorides 1,400 ppm System

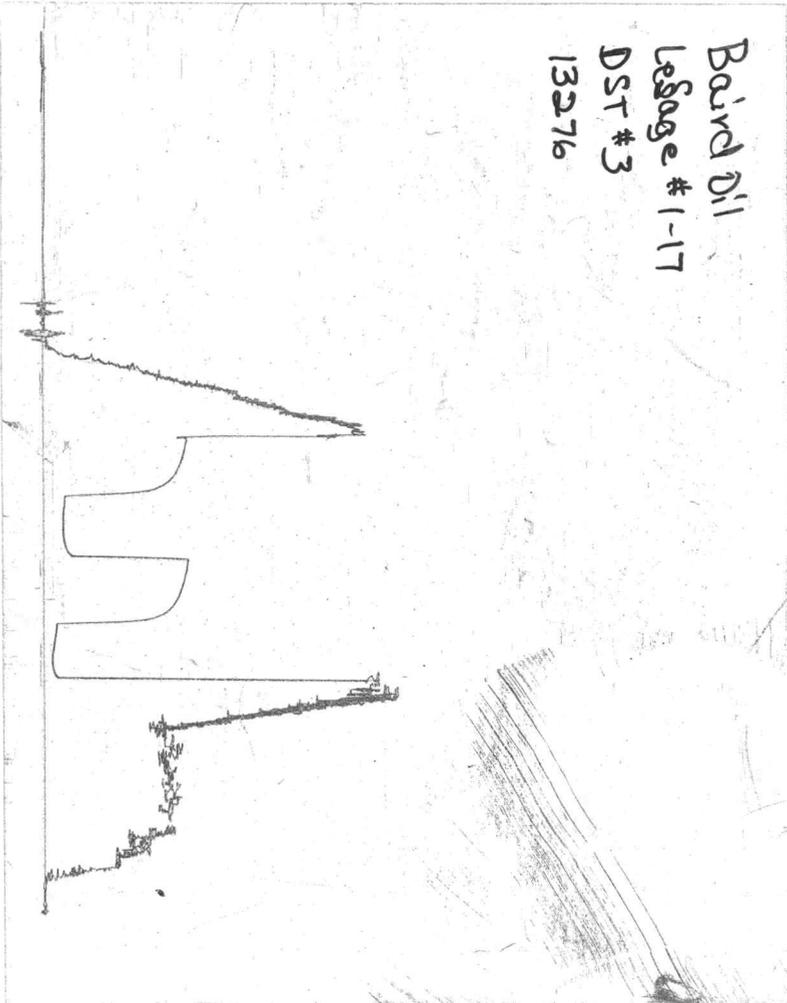
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1726</u>	<u>1620</u> PSI	<u>6798</u>	_____
(B) First Initial Flow Pressure	<u>50</u>	<u>21</u> PSI	(depth) <u>3410</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>70</u>	<u>69</u> PSI	Recorder No. <u>13276</u>	Jars _____
(D) Initial Shut-In Pressure	<u>741</u>	<u>759</u> PSI	(depth) <u>3431</u>	Safety Jt. <u>X</u>
(E) Second Initial Flow Pressure	<u>100</u>	<u>74</u> PSI	Recorder No. _____	Circ Sub <u>X</u> <u>N/C</u>
(F) Second Final Flow Pressure	<u>100</u>	<u>97</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>721</u>	<u>751</u> PSI	Initial Opening <u>45</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1646</u>	<u>1644</u> PSI	Initial Shut-In <u>45</u>	Ext. Packer _____
			Final Flow <u>45</u>	Shale Packer _____
			Final Shut-In <u>45</u>	Mileage <u>1 way 18</u>

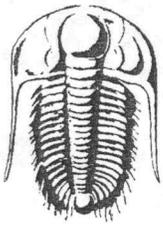
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Approved By Gary Hanson
 Our Representative Rod Steinbrink
 T-On Location D330
 T-Started 0341
 T-Open 0450
 T-Pulled 0756
 T-Out 0945
 Sub Total: \$930.60
 Std. By _____
 Other _____
 Total: _____

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19041

05/03

Test Ticket

Well Name & No. Le Sage #1-17 Test No. 4 Date 7-20-04
 Company Baird Oil Company Zone Tested Arbuckle
 Address P.O. Box 428 Logan KS. 67646 Elevation 2127 KB 2122 GL
 Co. Rep / Geo. Jim Baird Cont. Murfin #16 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 17 Twp. 7^S Rge. 20^W Co. Rooks State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3570 - 3588 Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 64,000
 Anchor Length 18' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 70,000
 Top Packer Depth 3565 Tool Weight 2,000
 Bottom Packer Depth 3570 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3588 Wt. Pipe Run — Drill Collar Run 124'
 Mud Wt. 9.2 LCM — Vis. 51 WL 7.2 Drill Pipe Size 4 1/2" XH Ft. Run 3444'

Blow Description IF: Weak to fair off btm 8 mins.
ISI: Surface blow built to 5 1/4"
FF: Weak to fair off btm 15 mins.
FSI: Surface blow built to 1"

Recovery - Total Feet 625' GIP 270' Ft. in DC 124' Ft. in DP 501'
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. 501' Feet of SGD 7.01 bbls 10 %gas 90 %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. 124' Feet of SGD 0.61 bbls. %gas 40 %oil — %water 60 %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 112° °F Gravity 32 °API D @ 88° °F Corrected Gravity 30.2 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1400 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1754</u> PSI	<u>6798</u>	
(B) First Initial Flow Pressure		<u>34</u> PSI	(depth) <u>3571</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure		<u>181</u> PSI	Recorder No. <u>13276</u>	Jars _____
(D) Initial Shut-In Pressure		<u>1023</u> PSI	(depth) <u>3583</u>	Safety Jt. _____
(E) Second Initial Flow Pressure		<u>151</u> PSI	Recorder No. _____	Circ Sub <u>X</u> <u>N/C</u>
(F) Second Final Flow Pressure		<u>220</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>988</u> PSI	Initial Opening <u>45</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1730</u> PSI	Initial Shut-In <u>45</u>	Ext. Packer _____

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Approved By [Signature] T-Open 0340
 Our Representative Rod Steinbrink T-Pulled 0648
 T-Started 0217 T-Out 0859
 Final Flow 45
 Final Shut-In 45
 T-On Location 0200
 Mileage 1 way 18
 Sub Total: 930.60
 Std. By _____
 Other _____
 Total: _____

CHART PAGE

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

