

DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428
Logan KS 67646

ATTN: Richard Bell

15 4 21W Norton KS

ANNA #1-15

Start Date: 2007.04.06 @ 17:20:26

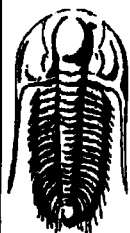
End Date: 2007.04.06 @ 21:39:05

Job Ticket #: 26098 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

PO Box 428
Logan KS 67646

ATTN: Richard Bell

ANNA #1-15

15 4 21W Norton KS

Job Ticket: 26098

DST#: 1

Test Start: 2007.04.06 @ 17:20:26

GENERAL INFORMATION:

Formation: **L, KC "A"**

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

Time Tool Opened: 19:04:36

Time Test Ended: 21:39:05

Test Type: **Conventional Bottom Hole**

Tester: **Jake Fahrenbruch**

Unit No: **22**

Interval: **3430.00 ft (KB) To 3450.00 ft (KB) (TVD)**

Total Depth: **3450.00 ft (KB) (TVD)**

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

Reference Elevations: **2203.00 ft (KB)**

2198.00 ft (CF)

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

Serial #: 6799 **Inside**

Press@RunDepth: **17.71 psig @ 3431.00 ft (KB)**

Start Date: **2007.04.06**

End Date:

2007.04.06

Capacity: **7000.00 psig**

Last Calib.:

2007.04.06

Start Time: **17:20:28**

End Time:

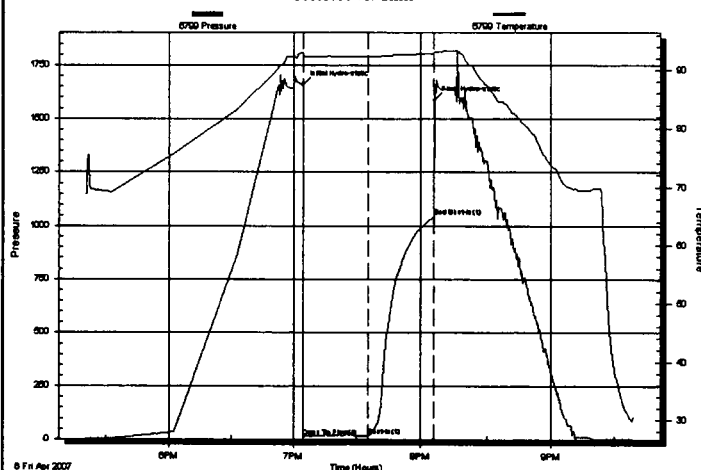
21:39:06

Time On Btm: **2007.04.06 @ 19:04:26**

Time Off Btm: **2007.04.06 @ 20:06:06**

TEST COMMENT: IF Weak blow steady @ .5 " in bucket
ISI Bled off no blow back

Pressure vs. Time



PRESSURE SUMMARY

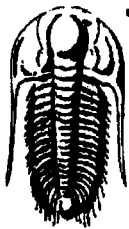
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1660.96	93.01	Initial Hydro-static
1	13.92	92.40	Open To Flow (1)
31	17.71	92.39	Shut-In (1)
62	1043.62	92.84	End Shut-In (1)
62	1587.82	93.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drilling Mud	0.10

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company

ANNA #1-15

PO Box 428
Logan KS 67646

15 4 21W Norton KS

Job Ticket: 26098

DST#: 1

ATTN: Richard Bell

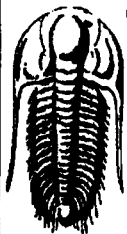
Test Start: 2007.04.06 @ 17:20:26

Tool Information

Drill Pipe:	Length: 3318.00 ft	Diameter: 3.80 inches	Volume: 46.54 bbl	Tool Weight:	2100.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	47.13 bbl	Tool Chased	6.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3430.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	40.00 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			3415.00	
Hydraulic tool	5.00			3420.00	
Packer	5.00			3425.00	20.00 Bottom Of Top Packer
Packer	5.00			3430.00	
Stubb	1.00			3431.00	
Recorder	0.00	6799	Inside	3431.00	
Perforations	16.00			3447.00	
Recorder	0.00	10270	Outside	3447.00	
Bullnose	3.00			3450.00	20.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

ANNA #1-15

PO Box 428
Logan KS 67646

15 4 21W Norton KS

Job Ticket: 26098

DST#: 1

ATTN: Richard Bell

Test Start: 2007.04.06 @ 17:20:26

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Drilling Mud	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

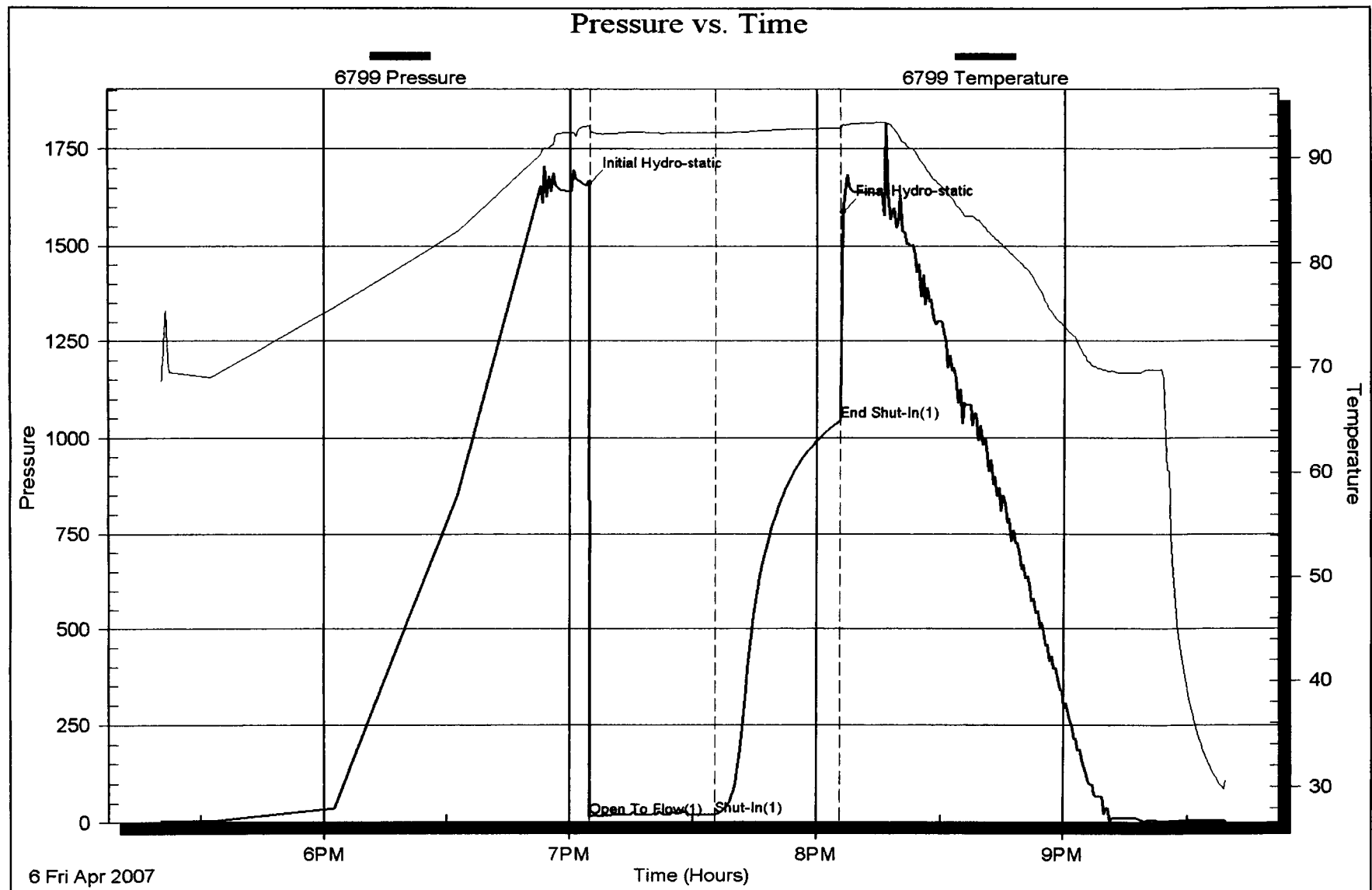
Num Gas Bombs: 0

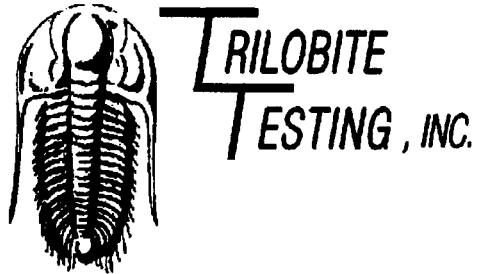
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428
Logan KS 67646

ATTN: Richard Bell

15 4 21W Norton KS

ANNA #1-15

Start Date: 2007.04.07 @ 03:35:56

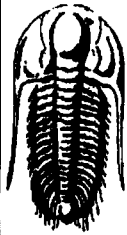
End Date: 2007.04.07 @ 10:32:46

Job Ticket #: 26099 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

Baird Oil Company

PO Box 428
Logan KS 67646

ATTN: Richard Bell

ANNA #1-15

15 4 21W Norton KS

Job Ticket: 26099

DST#: 2

Test Start: 2007.04.07 @ 03:35:56

GENERAL INFORMATION:

Formation: L, KC "C"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:29:46

Time Test Ended: 10:32:46

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 22

Interval: 3454.00 ft (KB) To 3478.00 ft (KB) (TVD)

Total Depth: 3478.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2203.00 ft (KB)

2198.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 116.74 psig @ 3455.00 ft (KB)

Start Date: 2007.04.07

End Date:

2007.04.07

Start Time: 03:35:58

End Time:

10:32:45

Capacity: 7000.00 psig

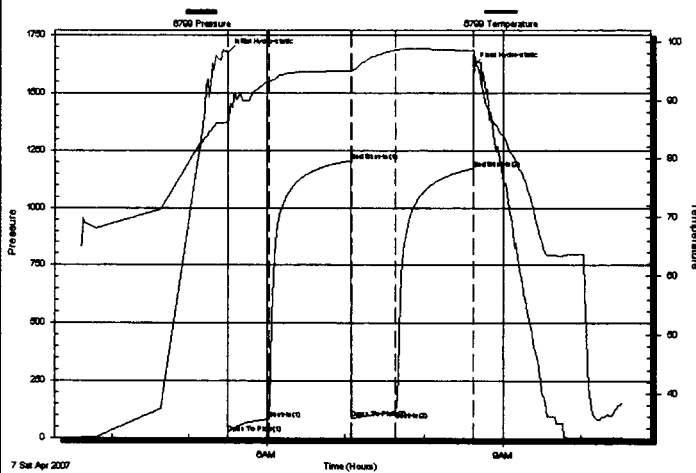
Last Calib.: 2007.04.07

Time On Btm: 2007.04.07 @ 05:29:36

Time Off Btm: 2007.04.07 @ 08:37:45

TEST COMMENT: IF Fairly strong blow built to BOB in 25 minutes.
ISI Bled off weak blow back @ .5 "
FF Fairly strong blow built to 10.5 " in bucket.
FSI Bled off weak blow back @ .5 "

Pressure vs. Time



PRESSURE SUMMARY

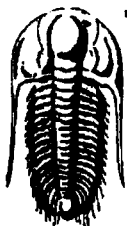
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1677.04	86.32	Initial Hydro-static
1	20.14	85.69	Open To Flow (1)
32	84.12	93.32	Shut-In (1)
95	1205.59	95.05	End Shut-In (1)
96	86.26	94.97	Open To Flow (2)
129	116.74	98.63	Shut-In (2)
188	1171.91	98.46	End Shut-In (2)
189	1618.88	98.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OSMCW 4%O 20%M 76%W	0.59
65.00	OSWCM 4%O 36%W 56%M	0.91
50.00	Free Oil	0.70

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company

ANNA #1-15

PO Box 428
Logan KS 67646

15 4 21W Norton KS

Job Ticket: 26099

DST#: 2

ATTN: Richard Bell

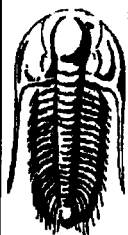
Test Start: 2007.04.07 @ 03:35:56

Tool Information

Drill Pipe:	Length: 3320.00 ft	Diameter: 3.80 inches	Volume: 46.57 bbl	Tool Weight: 2100.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 54000.00 lb
		Total Volume:	47.16 bbl	Tool Chased 2.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3454.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	44.00 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			3439.00	
Hydraulic tool	5.00			3444.00	
Packer	5.00			3449.00	20.00 Bottom Of Top Packer
Packer	5.00			3454.00	
Stubb	1.00			3455.00	
Recorder	0.00	6799	Inside	3455.00	
Perforations	20.00			3475.00	
Recorder	0.00	10270	Outside	3475.00	
Bullnose	3.00			3478.00	24.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

ANNA #1-15

PO Box 428
Logan KS 67646

15 4 21W Norton KS

Job Ticket: 26099

DST#: 2

ATTN: Richard Bell

Test Start: 2007.04.07 @ 03:35:56

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: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	OSMCW 4%O 20%M 76%W	0.590
65.00	OSWCM 4%O 36%W 56%M	0.912
50.00	Free Oil	0.701

Total Length: 235.00 ft

Total Volume: 2.203 bbl

Num Fluid Samples: 0

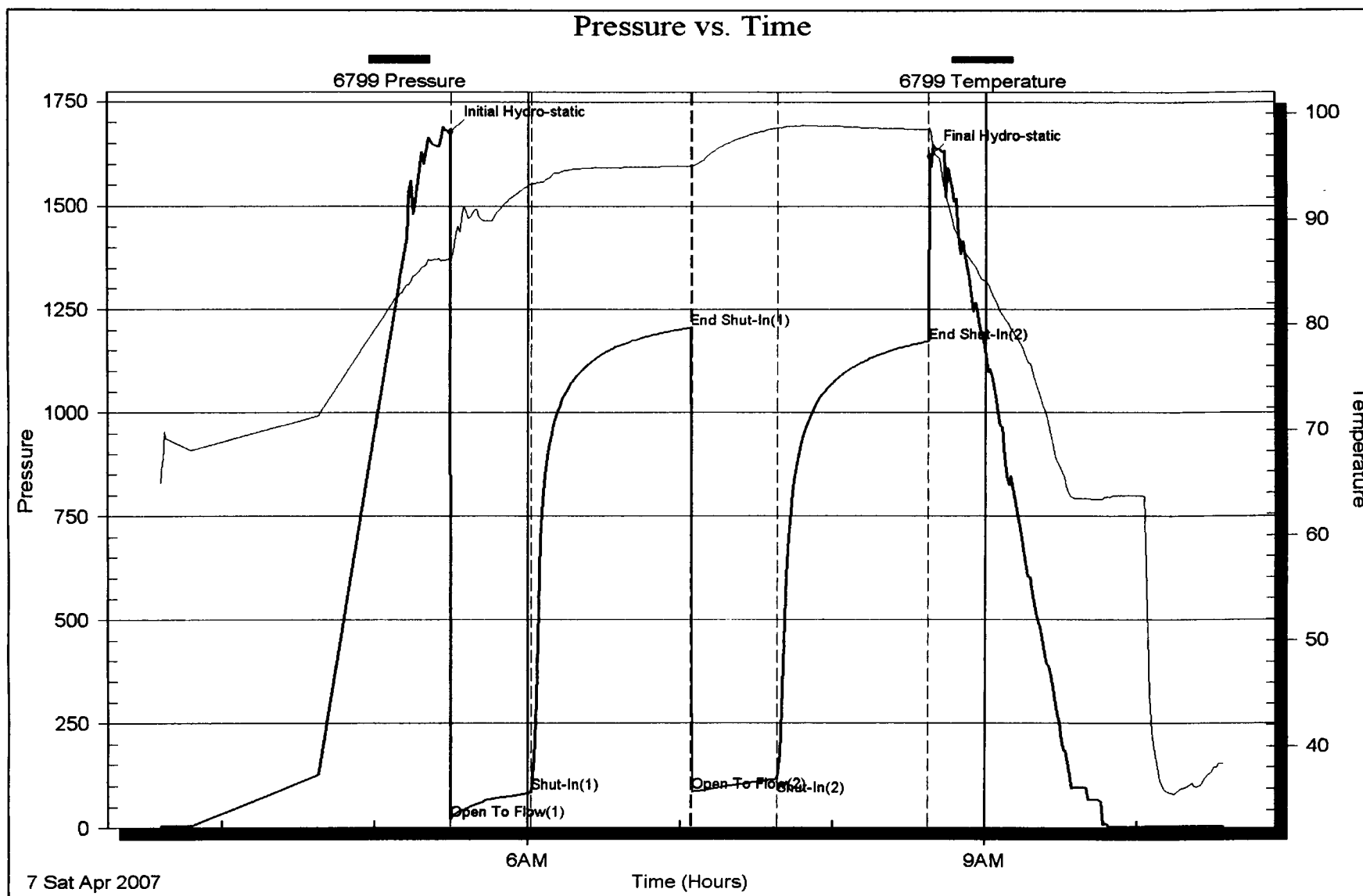
Num Gas Bombs: 0

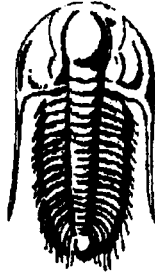
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428
Logan KS 67646

ATTN: Richard Bell

15 4 21W Norton KS

ANNA #1-15

Start Date: 2007.04.07 @ 16:18:56

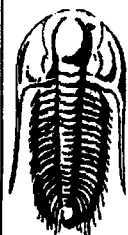
End Date: 2007.04.07 @ 23:11:56

Job Ticket #: 26100 DST #: 3

Trilobite Testing, Inc

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Baird Oil Company

PO Box 428
Logan KS 67646

ATTN: Richard Bell

ANNA #1-15

15 4 21W Norton KS

Job Ticket: 26100

DST#: 3

Test Start: 2007.04.07 @ 16:18:56

GENERAL INFORMATION:

Formation: **L,KC "D"**

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

Time Tool Opened: 18:09:16

Time Test Ended: 23:11:56

Test Type: **Conventional Bottom Hole**

Tester: **Jake Fahrenbruch**

Unit No: **22**

Interval: **3477.00 ft (KB) To 3494.00 ft (KB) (TVD)**

Total Depth: **3494.00 ft (KB) (TVD)**

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

Reference Elevations: **2203.00 ft (KB)**

2198.00 ft (CF)

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

Serial #: 6799 **Inside**

Press@RunDepth: **86.02 psig @ 3478.00 ft (KB)**

Start Date: **2007.04.07**

End Date:

2007.04.07

Capacity: **7000.00 psig**

Last Calib.: **2007.04.08**

Start Time: **16:18:58**

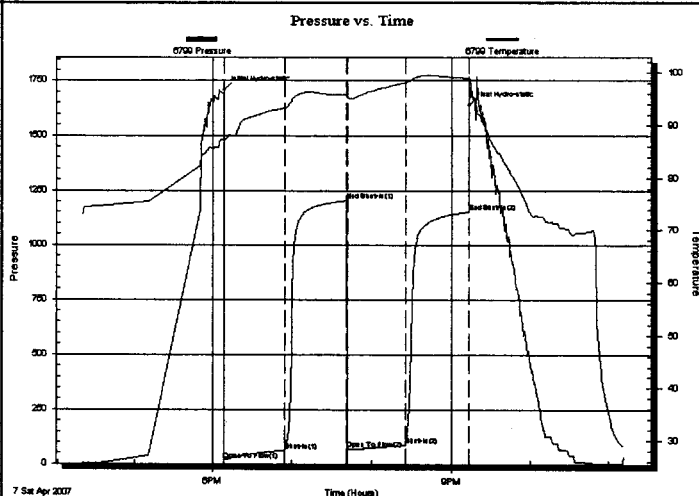
End Time:

23:11:56

Time On Btm: **2007.04.07 @ 18:09:06**

Time Off Btm: **2007.04.07 @ 21:13:26**

TEST COMMENT: IF Fairly strong blow BOB in 33 minutes.
ISI Bled off weak blow back @ .5 "
FF Fairly strong blow, BOB in 42 minutes.
FSI Bled off weak blow back @ .5 "



PRESSURE SUMMARY

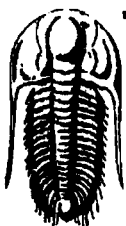
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1708.01	87.41	Initial Hydro-static
1	16.13	86.95	Open To Flow (1)
46	62.47	93.26	Shut-In(1)
92	1202.78	95.85	End Shut-In(1)
93	68.69	95.46	Open To Flow (2)
136	86.02	98.19	Shut-In(2)
184	1150.83	99.01	End Shut-In(2)
185	1637.91	99.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
230.00	SGOO 10%G 90%O	2.13
40.00	OCM 30%O 70%M	0.56
0.00	Gravity= 27.5 deg API corrected	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

Baird Oil Company

ANNA #1-15

PO Box 428
Logan KS 67646

15 4 21W Norton KS

Job Ticket: 26100

DST#: 3

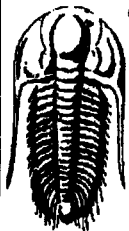
ATTN: Richard Bell

Test Start: 2007.04.07 @ 16:18:56

Tool Information

Drill Pipe:	Length:	3349.00 ft	Diameter:	3.80 inches	Volume:	46.98 bbl	Tool Weight:	2100.00 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:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	60000.00 lb	
					Total Volume:	47.57 bbl	Tool Chased	0.00 ft	
Drill Pipe Above KB:	12.00 ft							String Weight: Initial	41000.00 lb
Depth to Top Packer:	3477.00 ft							Final	42000.00 lb
Depth to Bottom Packer:	ft								
Interval between Packers:	17.00 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			3462.00	
Hydraulic tool	5.00			3467.00	
Packer	5.00			3472.00	20.00 Bottom Of Top Packer
Packer	5.00			3477.00	
Stubb	1.00			3478.00	
Recorder	0.00	6799	Inside	3478.00	
Perforations	13.00			3491.00	
Recorder	0.00	10270	Outside	3491.00	
Bullnose	3.00			3494.00	17.00 Bottom Packers & Anchor
Total Tool Length:	37.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

ANNA #1-15

PO Box 428
Logan KS 67646

15 4 21W Norton KS

Job Ticket: 26100

DST#: 3

ATTN: Richard Bell

Test Start: 2007.04.07 @ 16:18:56

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
230.00	SGCO 10%G 90%O	2.133
40.00	OCM 30%O 70%M	0.561
0.00	Gravity= 27.5 deg API corrected	0.000

Total Length: 270.00 ft

Total Volume: 2.694 bbl

Num Fluid Samples: 0

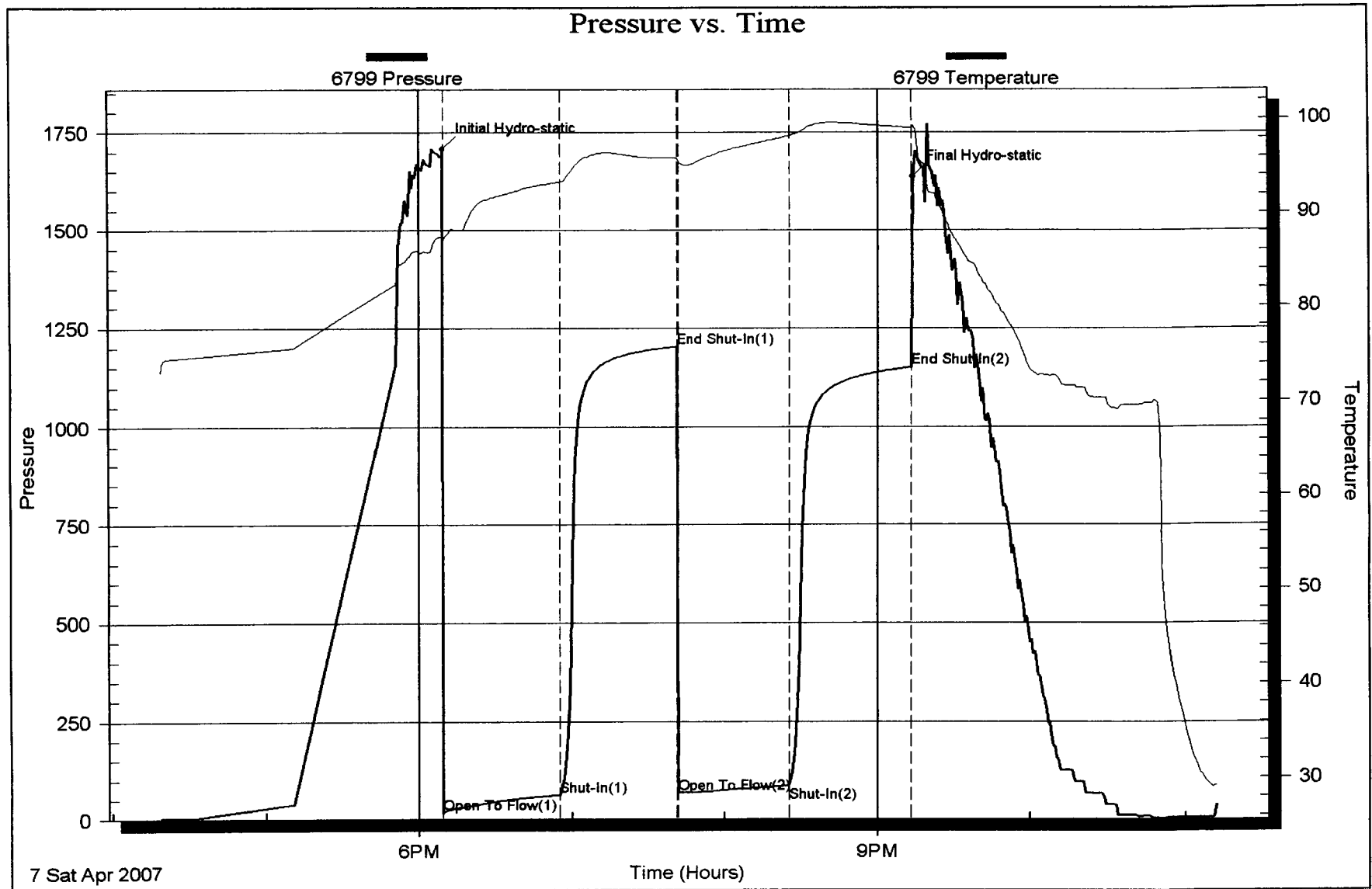
Num Gas Bombs: 0

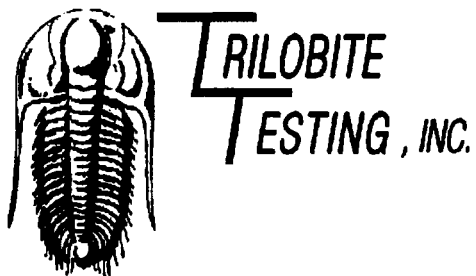
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428
Logan KS 67646

ATTN: Richard Bell

15 4 21W Norton KS

ANNA #1-15

Start Date: 2007.04.08 @ 05:58:12

End Date: 2007.04.08 @ 12:10:21

Job Ticket #: 27876 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
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DRILL STEM TEST REPORT

Baird Oil Company

PO Box 428
Logan KS 67646

ATTN: Richard Bell

ANNA #1-15

15 4 21W Norton KS

Job Ticket: 27876

DST#: 4

Test Start: 2007.04.08 @ 05:58:12

GENERAL INFORMATION:

Formation: **L,KC "E,F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:35:42

Time Test Ended: 12:10:21

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 22

Interval: **3493.00 ft (KB) To 3517.00 ft (KB) (TVD)**

Total Depth: 3517.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2203.00 ft (KB)

2198.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799 Inside

Press@RunDepth: 71.81 psig @ 3494.00 ft (KB)

Start Date: 2007.04.08

End Date:

2007.04.08

Capacity: 7000.00 psig

Last Calib.: 2007.04.08

Start Time: 05:58:14

End Time:

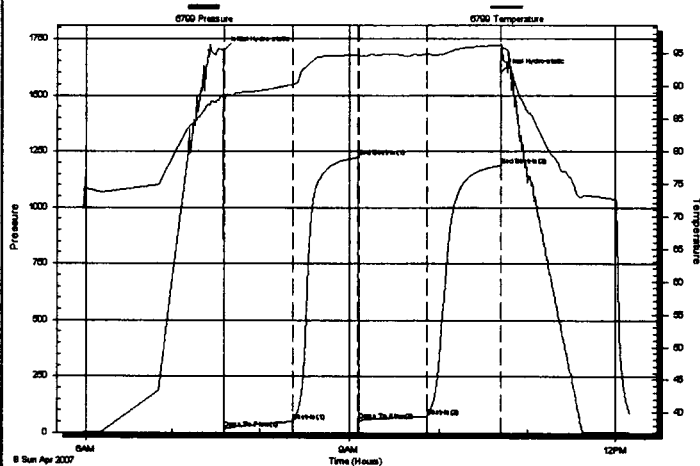
12:10:22

Time On Btm: 2007.04.08 @ 07:35:22

Time Off Btm: 2007.04.08 @ 10:42:01

TEST COMMENT: IF Fair blow built to 6 "
ISI Bled off no blow back
FF Fairly weak blow built to 5 "
FSI Bled off no blow back

Pressure vs. Time



PRESSURE SUMMARY

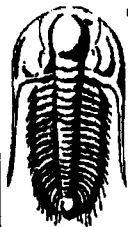
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1698.11	88.49	Initial Hydro-static
1	15.86	88.11	Open To Flow (1)
47	50.66	90.27	Shut-In(1)
91	1223.84	94.75	End Shut-In(1)
91	55.77	94.41	Open To Flow (2)
137	71.81	94.90	Shut-In(2)
187	1187.54	96.25	End Shut-In(2)
187	1602.85	96.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	OCWM 10%O 45%W 45%M	0.20
50.00	OCM 20%O 80%M	0.25
50.00	Oil 100%O	0.43
0.00	Gravity = 26 deg API corrected	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

Baird Oil Company

ANNA #1-15

PO Box 428
Logan KS 67646

15 4 21W Norton KS

Job Ticket: 27876

DST#: 4

ATTN: Richard Bell

Test Start: 2007.04.08 @ 05:58:12

Tool Information

Drill Pipe:	Length:	3381.00 ft	Diameter:	3.80 inches	Volume:	47.43 bbl	Tool Weight:	2100.00 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:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	60000.00 lb
					Total Volume:	48.02 bbl	Tool Chased	2.00 ft
Drill Pipe Above KB:	28.00 ft							
Depth to Top Packer:	3493.00 ft							
Depth to Bottom Packer:	ft							
Interval between Packers:	24.00 ft							
Tool Length:	44.00 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			3478.00	
Hydraulic tool	5.00			3483.00	
Packer	5.00			3488.00	20.00 Bottom Of Top Packer
Packer	5.00			3493.00	
Stubb	1.00			3494.00	
Recorder	0.00	6799	Inside	3494.00	
Perforations	20.00			3514.00	
Recorder	0.00	10270	Outside	3514.00	
Bullnose	3.00			3517.00	24.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

ANNA #1-15

PO Box 428
Logan KS 67646

15 4 21W Norton KS

Job Ticket: 27876

DST#: 4

ATTN: Richard Bell

Test Start: 2007.04.08 @ 05:58:12

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: 69.05 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	OCWM 10%O 45%W 45%M	0.197
50.00	OCM 20%O 80%M	0.246
50.00	Oil 100%O	0.428
0.00	Gravity = 26 deg API corrected	0.000

Total Length: 140.00 ft

Total Volume: 0.871 bbl

Num Fluid Samples: 0

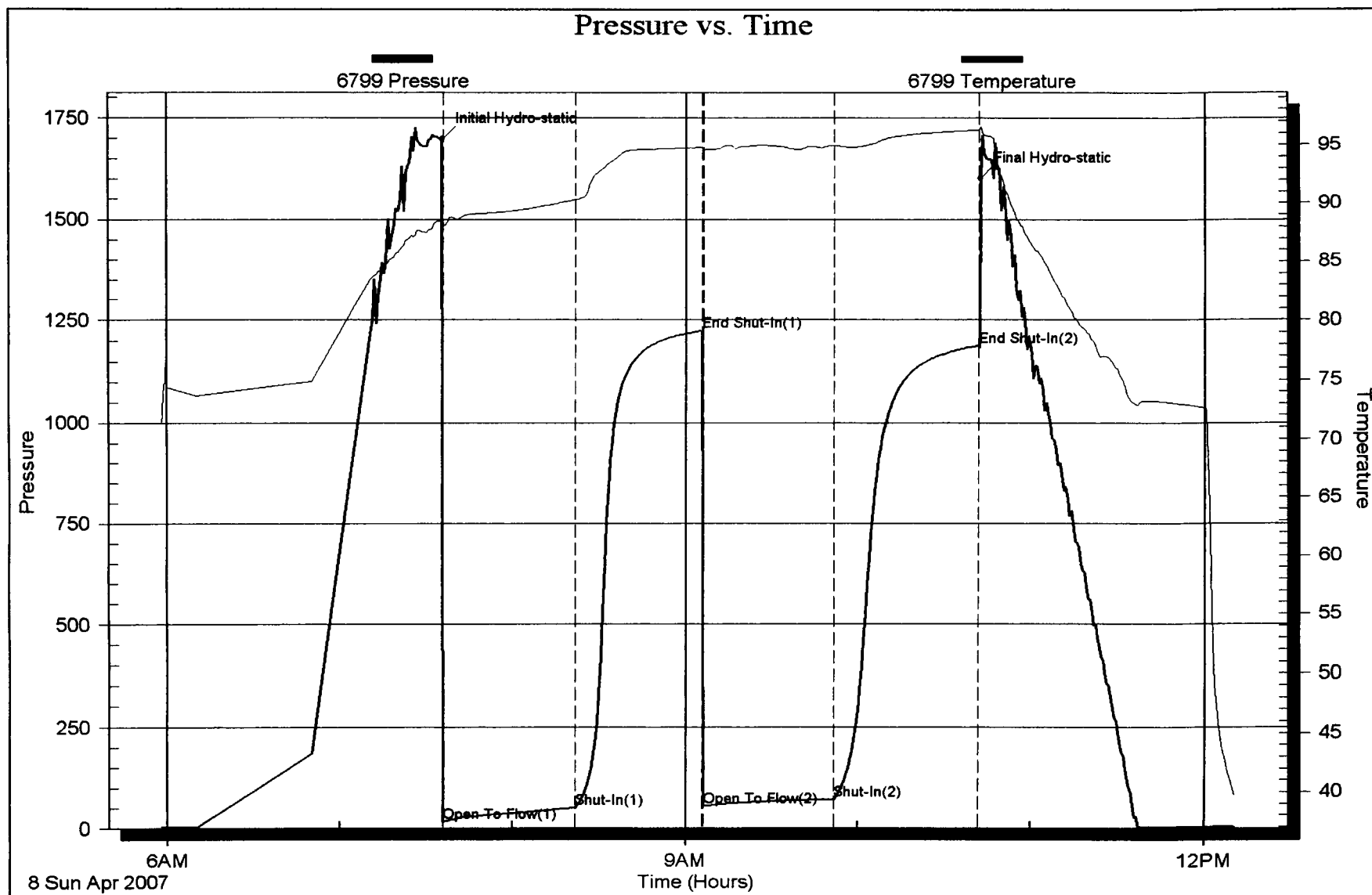
Num Gas Bombs: 0

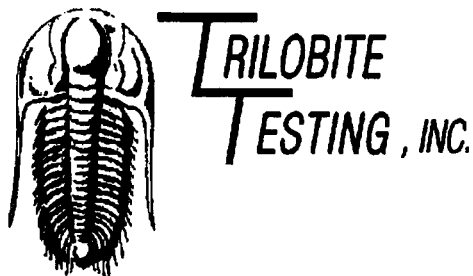
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428
Logan KS 67646

ATTN: Richard Bell

15 4 21W Norton KS

ANNA #1-15

Start Date: 2007.04.08 @ 17:48:59

End Date: 2007.04.08 @ 23:40:29

Job Ticket #: 27877 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

Baird Oil Company

PO Box 428
Logan KS 67646

ATTN: Richard Bell

ANNA #1-15

15 4 21W Norton KS

Job Ticket: 27877

DST#: 5

Test Start: 2007.04.08 @ 17:48:59

GENERAL INFORMATION:

Formation: **L, KC "G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:08:49

Time Test Ended: 23:40:29

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 22

Interval: **3517.00 ft (KB) To 3535.00 ft (KB) (TVD)**

Total Depth: 3535.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2203.00 ft (KB)

2198.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799 Inside

Press@RunDepth: 19.00 psig @ 3518.00 ft (KB)

Start Date: 2007.04.08

End Date:

2007.04.08

Capacity: 7000.00 psig

Last Calib.: 2007.04.08

Start Time: 17:49:01

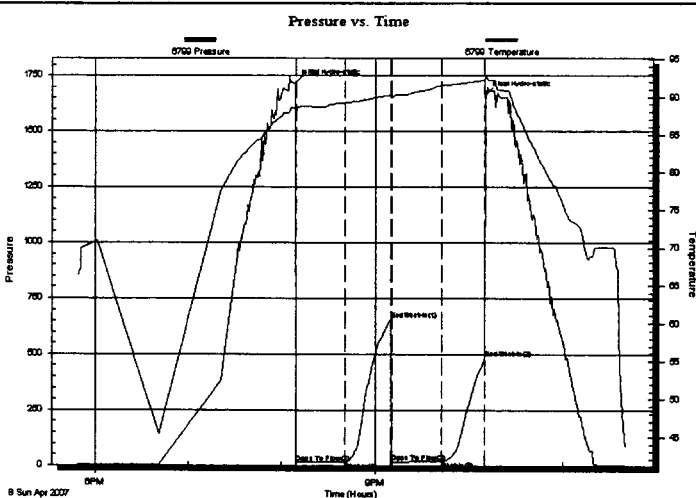
End Time:

23:40:29

Time On Btm: 2007.04.08 @ 20:08:39

Time Off Btm: 2007.04.08 @ 22:10:48

TEST COMMENT: IF Weak blow built to 1 "
ISI Bled off no blow back
FF No blow
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1714.32	88.50	Initial Hydro-static
1	13.79	87.92	Open To Flow (1)
32	17.54	89.24	Shut-In (1)
62	655.54	90.29	End Shut-In (1)
62	17.53	90.14	Open To Flow (2)
94	19.00	91.53	Shut-In (2)
122	484.06	92.26	End Shut-In (2)
123	1665.14	92.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling Mud	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company

ANNA #1-15

PO Box 428
Logan KS 67646

15 4 21W Norton KS

Job Ticket: 27877

DST#: 5

ATTN: Richard Bell

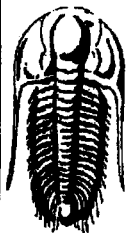
Test Start: 2007.04.08 @ 17:48:59

Tool Information

Drill Pipe:	Length: 3380.00 ft	Diameter: 3.80 inches	Volume: 47.41 bbl	Tool Weight: 2100.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 58000.00 lb
		Total Volume: 48.00 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3517.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	38.00 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			3502.00	
Hydraulic tool	5.00			3507.00	
Packer	5.00			3512.00	20.00 Bottom Of Top Packer
Packer	5.00			3517.00	
Stubb	1.00			3518.00	
Recorder	0.00	6799	Inside	3518.00	
Perforations	14.00			3532.00	
Recorder	0.00	10270	Outside	3532.00	
Bullnose	3.00			3535.00	18.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

ANNA #1-15

PO Box 428
Logan KS 67646

15 4 21W Norton KS

Job Ticket: 27877

DST#: 5

ATTN: Richard Bell

Test Start: 2007.04.08 @ 17:48:59

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling Mud	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

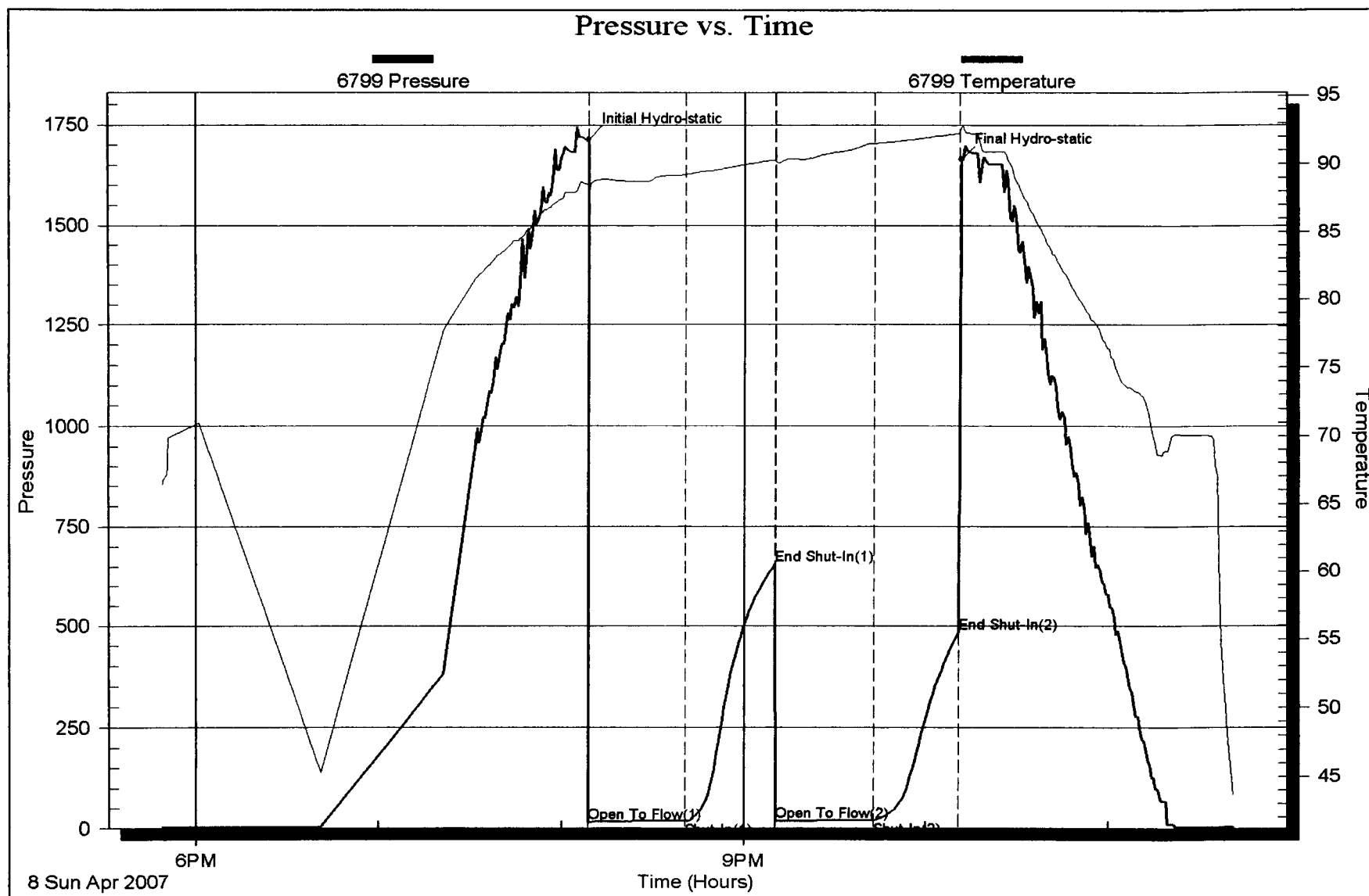
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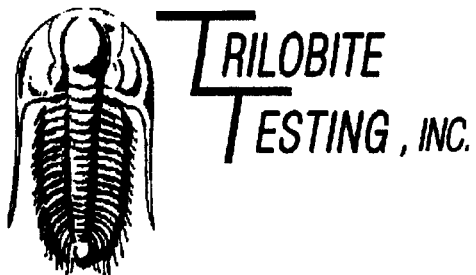
Serial #: 6799

Inside Baird Oil Company

15 4 21W Norton KS

DST Test Number: 5





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company**

PO Box 428
Logan KS 67646

ATTN: Richard Bell

15 4 21W Norton KS

ANNA #1-15

Start Date: 2007.04.09 @ 08:39:54

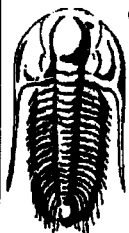
End Date: 2007.04.09 @ 12:38:14

Job Ticket #: 26878 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

Baird Oil Company

PO Box 428
Logan KS 67646

ATTN: Richard Bell

ANNA #1-15

15 4 21W Norton KS

Job Ticket: 26878

DST#: 6

Test Start: 2007.04.09 @ 08:39:54

GENERAL INFORMATION:

Formation: **L,KC "J"**

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

Time Tool Opened: 10:11:24

Time Test Ended: 12:38:14

Test Type: **Conventional Bottom Hole**

Tester: **Jake Fahrenbruch**

Unit No: **22**

Interval: **3582.00 ft (KB) To 3597.00 ft (KB) (TVD)**

Total Depth: **3597.00 ft (KB) (TVD)**

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

Reference Elevations: **2203.00 ft (KB)**

2198.00 ft (CF)

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

Serial #: 6799 **Inside**

Press@RunDepth: **15.60 psig @ 3583.00 ft (KB)**

Start Date: **2007.04.09**

End Date:

2007.04.09

Capacity: **7000.00 psig**

Last Calib.:

2007.04.09

Start Time: **08:39:56**

End Time:

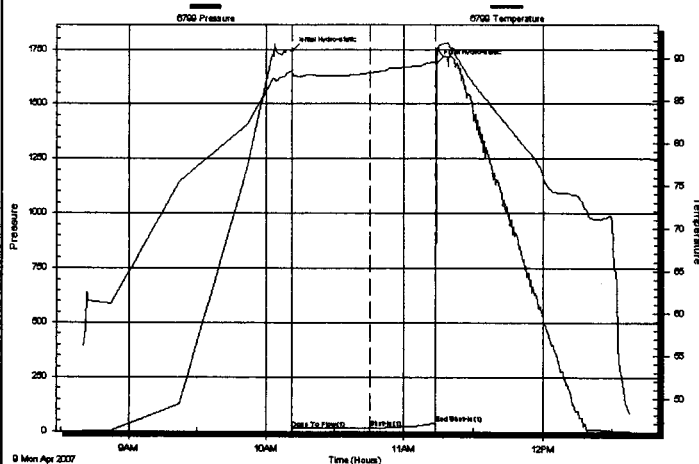
12:38:13

Time On Btm: **2007.04.09 @ 10:11:14**

Time Off Btm: **2007.04.09 @ 11:14:13**

TEST COMMENT: IF Weak blow @ .25 "
ISI Bled off no blow back

Pressure vs. Time



PRESSURE SUMMARY

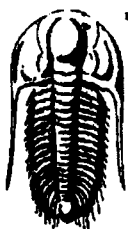
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1743.61	88.53	Initial Hydro-static
1	13.00	87.45	Open To Flow (1)
35	15.60	88.28	Shut-In(1)
63	38.19	89.51	End Shut-In(1)
63	1685.30	90.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Drilling Mud	0.01

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company

ANNA #1-15

PO Box 428
Logan KS 67646

15 4 21W Norton KS

Job Ticket: 26878

DST#: 6

ATTN: Richard Bell

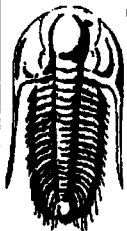
Test Start: 2007.04.09 @ 08:39:54

Tool Information

Drill Pipe:	Length: 3472.00 ft	Diameter: 3.80 inches	Volume: 48.70 bbl	Tool Weight: 2100.00 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 49.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3582.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	35.00 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			3567.00	
Hydraulic tool	5.00			3572.00	
Packer	5.00			3577.00	20.00 Bottom Of Top Packer
Packer	5.00			3582.00	
Stubb	1.00			3583.00	
Recorder	0.00	6799	Inside	3583.00	
Perforations	11.00			3594.00	
Recorder	0.00	10270	Outside	3594.00	
Bullnose	3.00			3597.00	15.00 Bottom Packers & Anchor
Total Tool Length:	35.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company

ANNA #1-15

PO Box 428
Logan KS 67646

15 4 21W Norton KS

Job Ticket: 26878

DST#: 6

ATTN: Richard Bell

Test Start: 2007.04.09 @ 08:39:54

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Drilling Mud	0.015

Total Length: 3.00 ft

Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

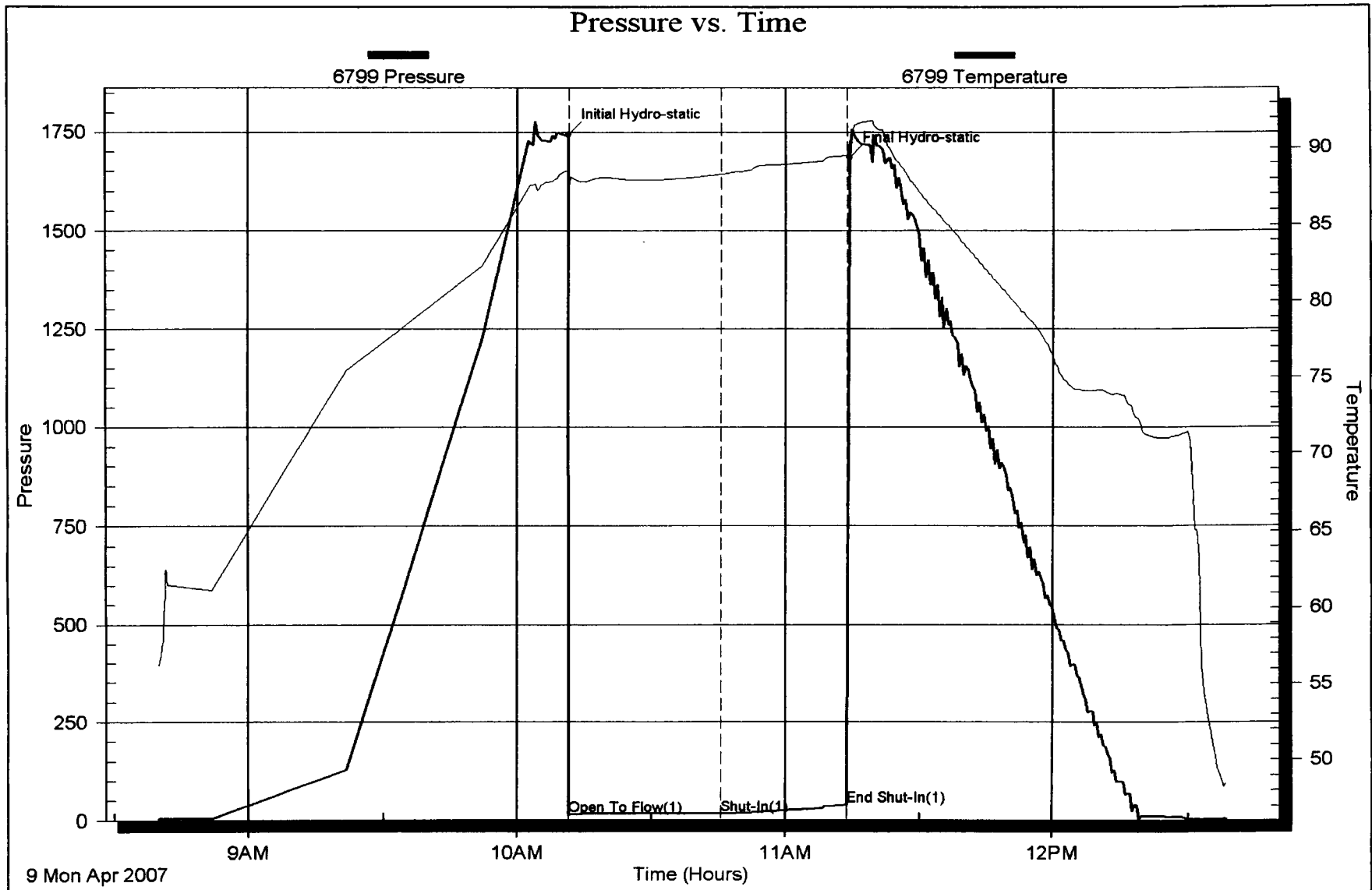
Recovery Comments:

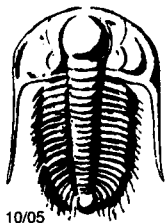
Serial #: 6799

Inside Baird Oil Company

15 4 21W Norton KS

DST Test Number: 6





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26098✓

10023

Test Ticket

Well Name & No. <u>Anna #1-15</u>	Test No. <u>1</u>	Date <u>4-6-07</u>
Company <u>Baird Oil Company</u>	Zone Tested <u>LKC "A"</u>	
Address <u>P.O. Box 428, Logan, KS 67646</u>	Elevation <u>2203</u>	KB <u>2198</u> GL
Co. Rep / Geo. <u>Richard Bell</u>	Rig <u>WW #6</u>	
Location: Sec. <u>15</u> Twp. <u>4S</u> Rge. <u>21W</u>	Co. <u>Norton</u>	State <u>Kansas</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3430-3450</u>	Initial Str Wt./Lbs. <u>42000</u>	Unseated Str Wt./Lbs. <u>42000</u>
Anchor Length <u>20</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>50000</u>
Top Packer Depth <u>3425</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>3430</u>	Hole Size 7 7/8" <u>Yes</u>	Rubber Size 6 3/4" <u>Yes</u>
Total Depth <u>3450</u>	Wt. Pipe Run <u>None</u>	Drill Collar Run <u>120</u>
Mud Wt. <u>9.0</u> LCM <u>0</u> Vis. <u>5.5</u> WL <u>6.8</u>	Drill Pipe Size <u>4 1/2" FH</u>	Ft. Run <u>3318</u>
Blow Description <u>EF: weak blow, steady @ 1/2" in bucket. (Tool slid 6' to bottom)</u> <u>ISI: Bled off, no blowback.</u>		

Recovery - Total Feet <u>20</u>	GIP <u>0</u>	Ft. in DC <u>20</u>	Ft. in DP <u>0</u>
Rec. <u>20</u> Feet of <u>Drilling Mud</u>	%gas	%oil	%water
Rec. _____ Feet of _____	%gas	%oil	%water
Rec. _____ Feet of _____	%gas	%oil	%water
Rec. _____ Feet of _____	%gas	%oil	%water
Rec. _____ Feet of _____	%gas	%oil	%water
BHT <u>93</u> °F Gravity <u>NA</u>	*API D @ _____	*F Corrected Gravity _____	*API _____
RW <u>NA</u> @ _____ °F	Chlorides _____ ppm	Recovery _____	Chlorides <u>800</u> ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1656</u>	PSI	<u>6799</u>	<u>* 8-Hour 1100</u>
(B) First Initial Flow Pressure	<u>14</u>	PSI	(depth) <u>3431</u>	Jars _____
(C) First Final Flow Pressure	<u>18</u>	PSI	Recorder No. <u>10270</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1044</u>	PSI	(depth) <u>3447</u>	Circ Sub _____
(E) Second Initial Flow Pressure	_____	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	_____	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	_____	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1643</u>	PSI	Initial Shut-In <u>30</u>	Shale 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.			Final Flow _____	Ruined Packer _____
			Final Shut-In _____	Mileage <u>140</u> <u>175</u>
			T-On Location <u>16:30</u>	Sub Total: <u>1275</u>
			T-Started <u>17:20</u> <u>1 1/2 Hr</u>	Std. By _____
			T-Open <u>19:04</u>	Acc. Chg: _____
			T-Pulled <u>20:06</u>	Other: _____
			T-Out <u>21:30</u>	Total: _____

Approved By Richard Bell

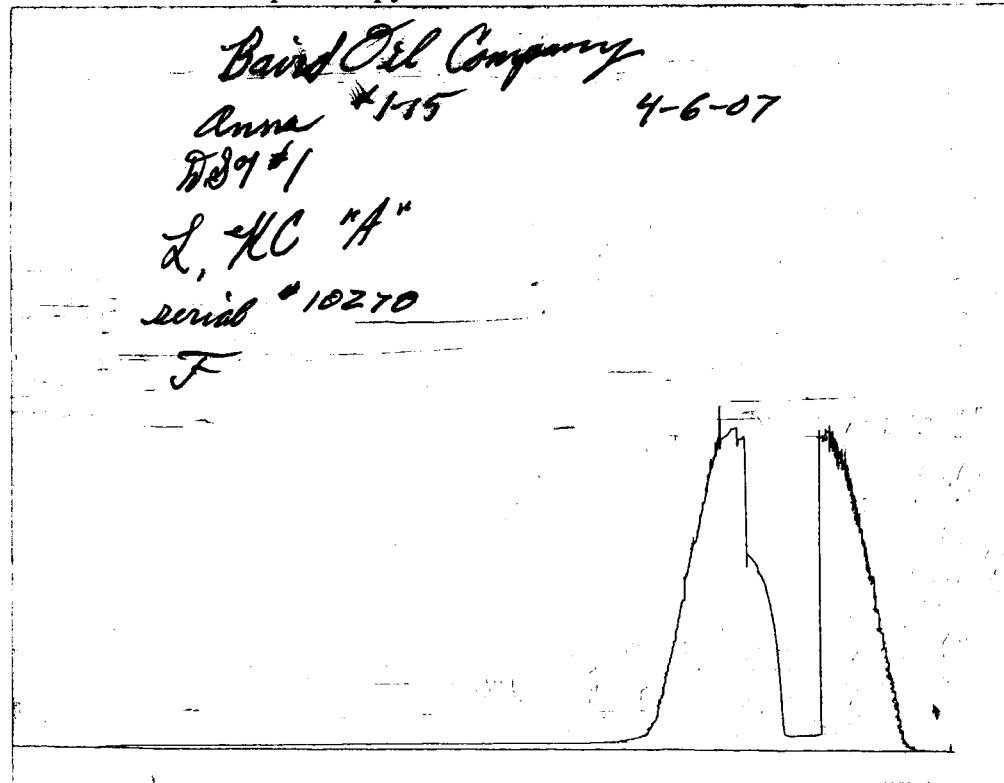
Our Representative [Signature]

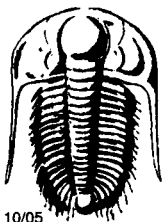
Thanka

5

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26099

Test Ticket

Well Name & No. <u>Anna #1-15</u>	Test No. <u>2</u>	Date <u>4-7-07</u>
Company <u>Baird Oil Company</u>	Zone Tested <u>L, KC "C"</u>	
Address <u>P.O. Box 428, Logan, KS 67646</u>	Elevation <u>2203</u> KB <u>2198</u>	GL
Co. Rep / Geo. <u>Richard Bell</u>	Rig <u>WW Rig #6</u>	
Location: Sec. <u>15</u> Twp. <u>4s</u> Rge. <u>21w</u>	Co. <u>Norton</u>	State <u>KS</u>
Comment: _____ Release date / time: _____		

Interval Tested <u>3454 - 3478</u>	Initial Str Wt./Lbs. <u>41000</u>	Unseated Str Wt./Lbs. <u>42000</u>
Anchor Length <u>24</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>54000</u>
Top Packer Depth <u>3449</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>3454</u>	Hole Size 7 7/8" <u>Yes</u>	Rubber Size 6 3/4" <u>Yes</u>
Total Depth <u>3478</u>	Wt. Pipe Run <u>None</u>	Drill Collar Run <u>120</u>
Mud Wt. <u>9.0</u> LCM <u>⊖</u> Vis. <u>54</u> WL <u>6.8</u>	Drill Pipe Size <u>4 1/2 FH</u>	Ft. Run _____

Blow Description IF: Fairly strong blow, built to BOB in 25 minutes.
ISI: Bled off, weak blowback @ 1/2" in bucket.
FF: Fairly strong blow, built to 10 1/2" in bucket.
FST: Bled off, weak blowback @ " in bucket.

Recovery - Total Feet <u>235</u>	GIP <u>760</u>	Ft. in DC <u>120</u>	Ft. in DP <u>115</u>
Rec. <u>50</u> Feet of <u>Free Oil</u>	%gas <u>100</u> %oil _____ %water _____ %mud _____		
Rec. <u>65</u> Feet of <u>OSWCM</u>	%gas <u>4</u> %oil <u>36</u> %water <u>56</u> %mud _____		
Rec. <u>120</u> Feet of <u>OSMCW</u>	%gas <u>4</u> %oil <u>76</u> %water <u>20</u> %mud _____		
Rec. <u>8</u> Feet of _____	%gas _____ %oil _____ %water _____ %mud _____		
Rec. _____ Feet of _____	%gas _____ %oil _____ %water _____ %mud _____		

BHT 98.5 °F Gravity 27 °API D @ 60 °F Corrected Gravity 27 °API
 RW .26 Ω @ 30°F °F Chlorides 69000 ppm Recovery _____ Chlorides 800 ppm System

AK-1	Alpine		
(A) Initial Hydrostatic Mud <u>1677</u> PSI	Recorder No. <u>6799</u>	Test <u>★ 8 Hour</u> <u>110</u>	
(B) First Initial Flow Pressure <u>20</u> PSI	(depth) <u>3455</u>	Jars _____	
(C) First Final Flow Pressure <u>84</u> PSI	Recorder No. <u>10270</u>	Safety Jt. _____	
(D) Initial Shut-In Pressure <u>1206</u> PSI	(depth) <u>3475</u>	Circ Sub _____	
(E) Second Initial Flow Pressure <u>86</u> PSI	Recorder No. _____	Sampler _____	
(F) Second Final Flow Pressure <u>117</u> PSI	(depth) _____	Straddle _____	
(G) Final Shut-In Pressure <u>1172</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____	
(Q) Final Hydrostatic Mud <u>1639</u> PSI	Initial Shut-In <u>60</u>	Shale Packer _____	
	Final Flow <u>30</u>	Ruined Packer _____	
	Final Shut-In <u>60</u>	Mileage <u>140 R.T.</u> <u>17</u>	
	T-On Location <u>03:30</u>	Sub Total: <u>7275</u>	
	T-Started <u>03:35</u> <u>1 1/2 hr</u>	Std. By _____	
	T-Open <u>05:29</u>	Acc. Chg: _____	
	T-Pulled <u>08:37</u>	Other: _____	
	T-Out <u>10:15</u>	Total: _____	

Approved By [Signature]

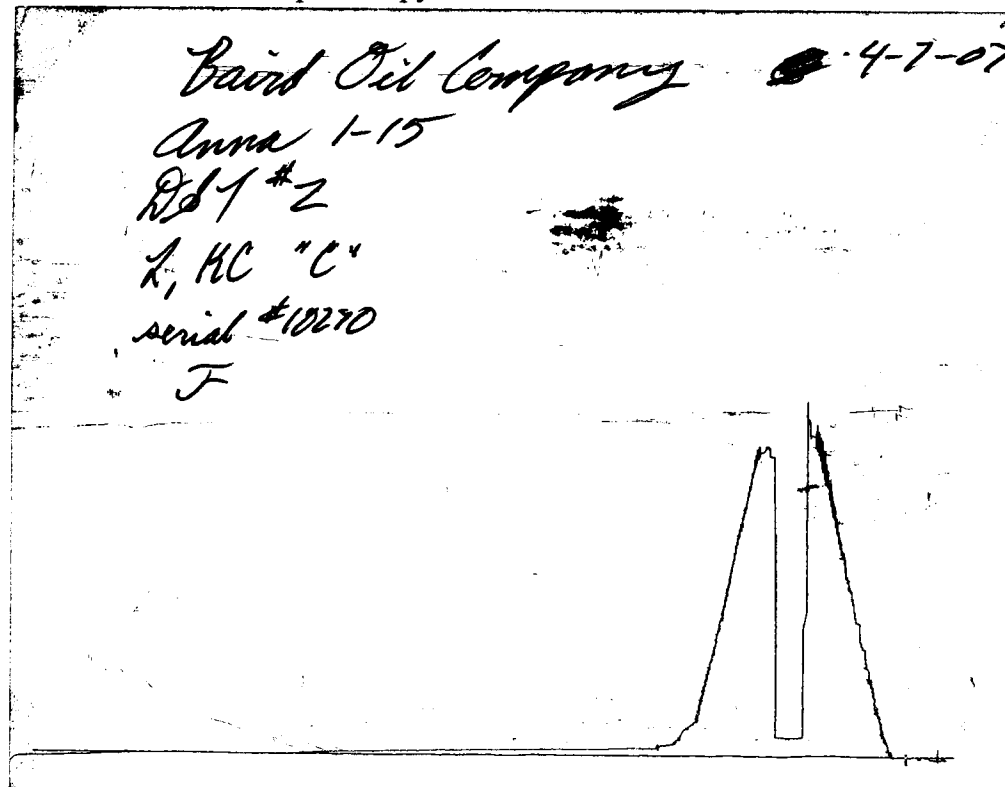
Our Representative [Signature]

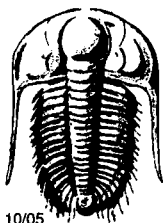
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CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26100

Test Ticket

Well Name & No. <u>Anna #1-15</u>	Test No. <u>3</u>	Date <u>4-7-07</u>
Company <u>Baird Oil Company</u>	Zone Tested <u>L, KC "D"</u>	
Address <u>P.O. Box 428, Logan, KS 67646</u>	Elevation <u>2203</u>	KB <u>2198</u> GL
Co. Rep / Geo. <u>Richard Bell</u>	Rig <u>WW Rig #6</u>	
Location: Sec. <u>15</u> Twp. <u>4s</u> Rge. <u>21w</u>	Co. <u>Norton</u>	State <u>Kansas</u>
Comment: _____ Release date / time: _____		

Interval Tested <u>3477-3494</u>	Initial Str Wt./Lbs. <u>41000</u>	Unseated Str Wt/Lbs. <u>42000</u>
Anchor Length <u>17</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>60000</u>
Top Packer Depth <u>3472</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>3477</u>	Hole Size 7 7/8" <u>Yes</u>	Rubber Size 6 3/4" <u>Yes</u>
Total Depth <u>3494</u>	Wt. Pipe Run <u>None</u>	Drill Collar Run <u>120</u>
Mud Wt. <u>9.4</u> LCM <u>5</u> Vis. <u>53</u> WL <u>6.4</u>	Drill Pipe Size <u>4 1/2" FH</u>	Ft. Run <u>3349</u>

Blow Description IF: Fairly strong blow, BOB in 33 minutes

FSI: Bled off, weak surface blowback @ 1/2"

FF: Fairly strong blow, BOB in 42 minutes.

FSI: Bled off, weak blowback @ 1/2"

Recovery - Total Feet <u>270</u>	GIP <u>100</u>	Ft. in DC <u>120</u>	Ft. in DP <u>150</u>
Rec. <u>230</u> Feet of <u>SGCO</u>	<u>10</u> %gas	<u>90</u> %oil	%water %mud
Rec. <u>40</u> Feet of <u>OCM</u>	%gas <u>30</u>	%oil	%water <u>70</u> %mud
Rec. _____ Feet of _____	%gas	%oil	%water %mud
Rec. _____ Feet of _____	%gas	%oil	%water %mud
Rec. _____ Feet of _____	%gas	%oil	%water %mud
BHT <u>99</u> °F Gravity <u>27 1/2</u>	°API D @ <u>60</u>	°F Corrected Gravity <u>27 1/2</u> API	
RW <u>NA</u> @ _____ °F	Chlorides _____ ppm Recovery _____	Chlorides <u>900</u> ppm System	

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>1687</u>	PSI	Recorder No. <u>6799</u>	Test <u>★ 8 hour</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>16</u>	PSI	(depth) <u>3478</u>	Jars _____	
(C) First Final Flow Pressure	<u>62</u>	PSI	Recorder No. <u>10270</u>	Safety Jt. _____	
(D) Initial Shut-In Pressure	<u>1203</u>	PSI	(depth) <u>3491</u>	Circ Sub _____	
(E) Second Initial Flow Pressure	<u>69</u>	PSI	Recorder No. _____	Sampler _____	
(F) Second Final Flow Pressure	<u>86</u>	PSI	(depth) _____	Straddle _____	
(G) Final Shut-In Pressure	<u>1151</u>	PSI	Initial Opening <u>45</u>	Ext. Packer _____	
(Q) Final Hydrostatic Mud	<u>1682</u>	PSI	Initial Shut-In <u>45</u>	Shale Packer _____	
			Final Flow <u>45</u>	Ruined Packer _____	
			Final Shut-In <u>45</u>	Mileage <u>140 R.T.</u>	<u>175</u>
			T-On Location <u>15:30</u>	Sub Total: _____	<u>1275</u>
			T-Started <u>16:18</u>	Std. By _____	
			T-Open <u>18:08</u>	Acc. Chg: _____	
			T-Pulled <u>21:08</u>	Other: _____	
			T-Out <u>23:00</u>	Total: _____	

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Approved By Richard Bell

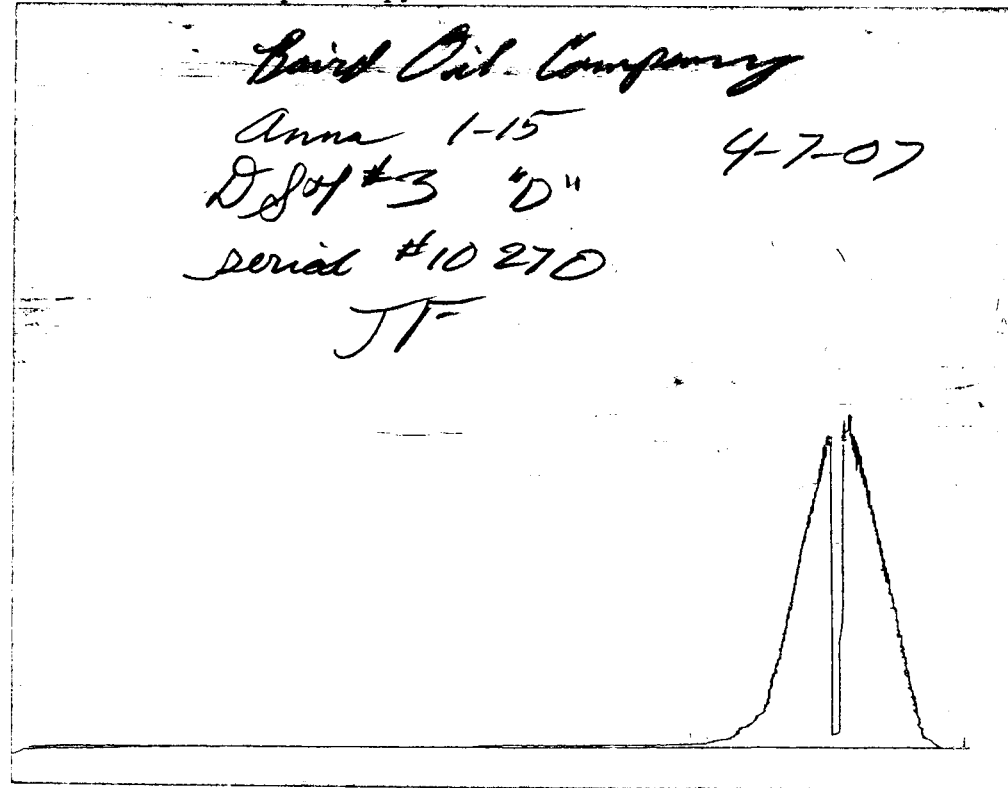
Our Representative John J. Plumb

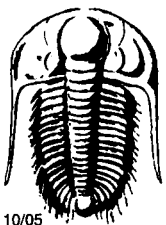
Thank you

7.5

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27876

Test Ticket

Well Name & No. <u>Anna 1-15</u>	Test No. <u>4</u>	Date <u>4-8-07</u>
Company <u>Baird Oil Company</u>	Zone Tested <u>L, KC "E, F"</u>	
Address <u>P.O. Box 428, Logan, KS 67646</u>	Elevation <u>2203</u>	KB <u>2198</u> GL
Co. Rep / Geo. <u>Richard Bell</u>	Rig <u>WW #6</u>	
Location: Sec. <u>15</u> Twp. <u>4s</u> Rge. <u>21w</u>	Co. <u>Norton</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

Interval Tested <u>3493-3517</u>	Initial Str Wt./Lbs. <u>41000</u>	Unseated Str Wt./Lbs. <u>41000</u>
Anchor Length <u>24</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>60000</u>
Top Packer Depth <u>3488</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>3493</u>	Hole Size 7 7/8" <u>Yes</u>	Rubber Size 6 3/4" <u>Yes</u>
Total Depth <u>3517</u>	Wt. Pipe Run <u>None</u>	Drill Collar Run <u>120</u>
Mud Wt. <u>9.0</u> LCM <u>0</u> Vis. <u>53</u> WL <u>6.4</u>	Drill Pipe Size <u>4 1/2" FH</u>	Ft. Run <u>3381</u>

Blow Description I.F.: Fair blow, built to 6".
ISI: Bled off, no blowback.
FF: Fairly weak blow, built to 5".
PSI: Bled off.

Recovery - Total Feet <u>140</u>	GIP <u>0</u>	Ft. in DC <u>120</u>	Ft. in DP <u>20</u>
Rec. <u>50</u> Feet of <u>Oil</u>	%gas <u>100</u>	%oil	%water
Rec. <u>50</u> Feet of <u>OCM</u>	%gas <u>20</u>	%oil	%water <u>80</u>
Rec. <u>40</u> Feet of <u>OCWM</u>	%gas <u>10</u>	%oil <u>45</u>	%water <u>45</u>
Rec. _____ Feet of _____	%gas	%oil	%water
Rec. _____ Feet of _____	%gas	%oil	%water

BHT 96.3 °F Gravity 26 °API D @ 60 °F Corrected Gravity 26 °API
 RW NC @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 900 ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1698</u> PSI	Alpine	Recorder No. <u>6799</u>	Test <u>★ 8 Hour</u> <u>1100</u>
(B) First Initial Flow Pressure	<u>16</u> PSI		(depth) <u>3494</u>	Jars _____
(C) First Final Flow Pressure	<u>51</u> PSI		Recorder No. <u>10270</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1224</u> PSI		(depth) <u>3514</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>56</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>72</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1189</u> PSI	Initial Opening	<u>45</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1673</u> PSI	Initial Shut-In	<u>45</u>	Shale Packer _____

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Approved By Richard Bell

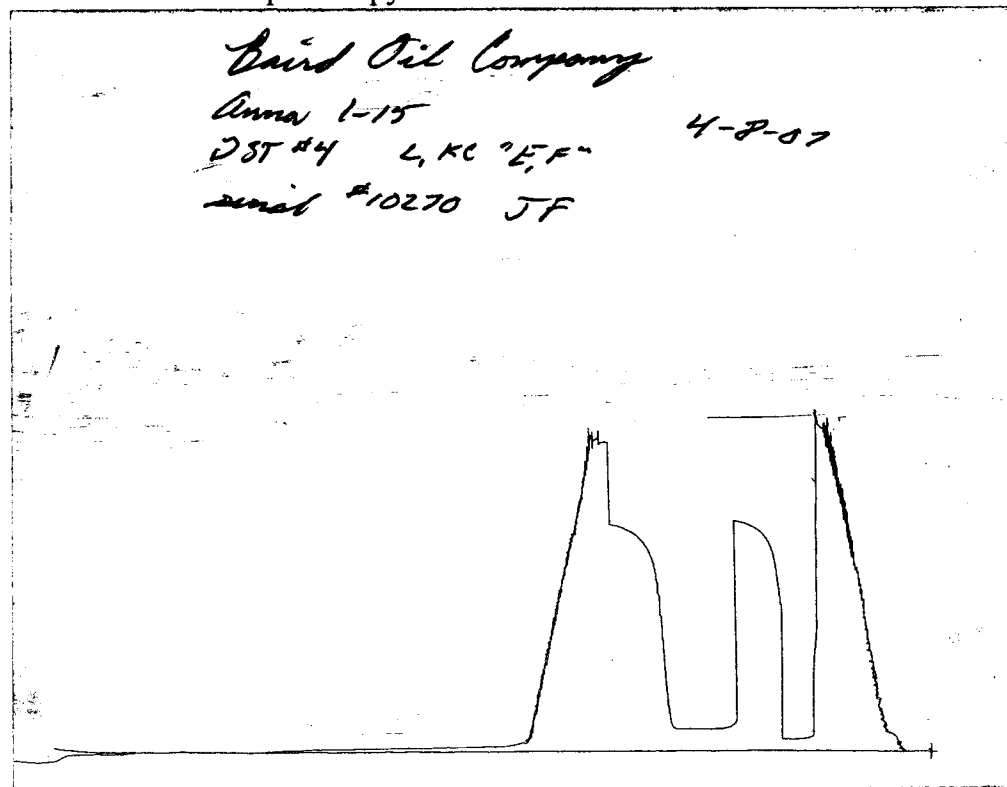
Our Representative [Signature]

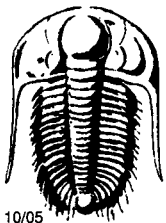
Final Flow	<u>45</u>	Ruined Packer	_____
Final Shut-In	<u>45</u>	Mileage <u>140 R.T.</u>	<u>125</u>
T-On Location	<u>05:45</u>	Sub Total:	<u>1275</u>
T-Started	<u>05:58 1 1/4 hour</u>	Std. By	_____
T-Open	<u>07:35</u>	Acc. Chg:	_____
T-Pulled	<u>10:41</u>	Other:	_____
T-Out	<u>12:15</u>	Total:	_____

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CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27877

Test Ticket

Well Name & No. <u>Anna #1-15</u>	Test No. <u>5</u>	Date <u>4-8-07</u>
Company <u>Baird Oil Company</u>	Zone Tested <u>4, KC "G"</u>	
Address <u>P.O. Box 428, Logan, KS 67646</u>	Elevation <u>2203</u>	KB <u>2198</u> GL
Co. Rep / Geo. <u>Richard Bell</u>	Rig <u>WW Rig #6</u>	
Location: Sec. <u>15</u> Twp. <u>4s</u> Rge. <u>21w</u>	Co. <u>Norton</u>	State <u>KS</u>
Comment: _____ Release date / time: _____		

Interval Tested <u>3517-3535</u>	Initial Str Wt./Lbs. <u>41000</u>	Unseated Str Wt./Lbs. <u>41000</u>
Anchor Length <u>18</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>58000</u>
Top Packer Depth <u>3512</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>3517</u>	Hole Size 7 7/8" <u>Yes</u>	Rubber Size 6 3/4" <u>Yes</u>
Total Depth <u>3535</u>	Wt. Pipe Run <u>None</u>	Drill Collar Run <u>120</u>
Mud Wt. <u>9.0</u> LCM <u>0</u> Vis. <u>53</u> WL <u>6.4</u>	Drill Pipe Size <u>4 1/2 FH</u>	Ft. Run <u>3380</u>
Blow Description <u>IF: Weak blow, built to 1"</u>		
<u>ISI: Bled off, no blowback.</u>		
<u>FF: No blow.</u>		
<u>FSI: No blowback.</u>		

Recovery - Total Feet <u>10</u>	GIP <u>0</u>	Ft. in DC <u>10</u>	Ft. in DP <u>0</u>
Rec. <u>10</u> Feet of <u>Drilling Mud</u>	%gas	%oil	%water <u>100</u> %mud
Rec. _____ Feet of _____	%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 <u>92</u> °F Gravity <u>NA</u>	*API D @ _____	*F Corrected Gravity _____	*API _____
RW <u>NA</u> @ _____ °F	Chlorides _____ ppm Recovery _____	Chlorides <u>900</u> ppm System	

(A) Initial Hydrostatic Mud	AK-1 <u>1714</u> PSI	Alpine	Recorder No. <u>6799</u>	Test <u>★ 8 Hour 1100</u>
(B) First Initial Flow Pressure	<u>14</u> PSI	(depth)	<u>3518</u>	Jars _____
(C) First Final Flow Pressure	<u>18</u> PSI	Recorder No. <u>10270</u>		Safety Jt. _____
(D) Initial Shut-In Pressure	<u>656</u> PSI	(depth)	<u>3532</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>18</u> PSI	Recorder No. _____		Sampler _____
(F) Second Final Flow Pressure	<u>19</u> PSI	(depth)	_____	Straddle _____
(G) Final Shut-In Pressure	<u>484</u> PSI	Initial Opening	<u>30</u>	Ext. Packer <u>✓</u>
(Q) Final Hydrostatic Mud	<u>1700</u> PSI	Initial Shut-In	<u>30</u>	Shale Packer _____

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Final Flow	<u>30</u>	Ruined Packer	_____
Final Shut-In	<u>30</u>	Mileage <u>140 R.T.</u>	<u>175</u>
T-On Location	<u>17:45</u>	Sub Total:	<u>1275</u>
T-Started	<u>17:49 (100 m)</u>	Std. By	_____
T-Open	<u>20:08</u>	Acc. Chg:	_____
T-Pulled	<u>22:10</u>	Other:	_____
T-Out	<u>23:45</u>	Total:	_____

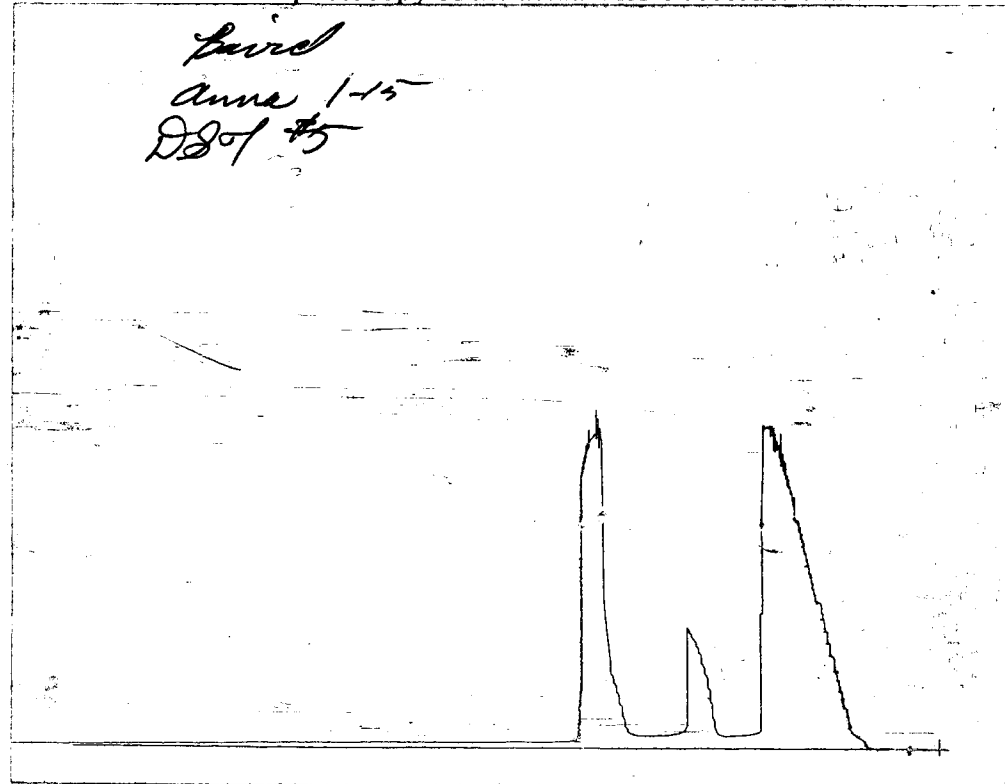
Approved By Richard Bell

Our Representative [Signature]

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CHART PAGE

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27878

Test Ticket

	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1742	PSI	Recorder No.	6799	Test Star 8 Hour 1100
(B) First Initial Flow Pressure		13	PSI	(depth)	3583	Jars
(C) First Final Flow Pressure		16	PSI	Recorder No.	10210	Safety Jt.
(D) Initial Shut-In Pressure		38	PSI	(depth)	3594	Circ Sub
(E) Second Initial Flow Pressure		—	PSI	Recorder No.	—	Sampler
(F) Second Final Flow Pressure		—	PSI	(depth)	—	Straddle
(G) Final Shut-In Pressure		—	PSI	Initial Opening	30	Ext. Packer
(Q) Final Hydrostatic Mud		1730	PSI	Initial Shut-In	30	Shale Packer

Final Flow	_____	Ruined Packer	_____
Final Shut-In	_____	Mileage	<u>170 R.T. 175</u>
T-On Location	<u>08:30</u>	Sub Total:	<u>1235</u>
T-Started	<u>08:40 (80m)</u>	Std. By	<u> </u>
T-Open	<u>10:11</u>	Acc. Chg:	<u> </u>
T-Pulled	<u>11:14</u>	Other:	<u> </u>
T-Out	<u>12:45</u>	Total:	<u> </u>

Our Representative Jacob E. Johnson

T-Out 12:45 ✓

CHART PAGE

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

