



DRILL STEM TEST REPORT

Prepared For: **Baird Oil Co. LLC**

PO Box 428
Logan Ks. 67646-0428

ATTN: Richard Bell

35-3s-22w Norton,KS

Esslinger Ranch inc #3-35

Start Date: 2011.03.19 @ 17:02:05

End Date: 2011.03.19 @ 23:24:59

Job Ticket #: 041566 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Baird Oil Co. LLC

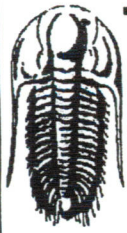
Esslinger Ranch Inc #3-35

35-3s-22w Norton,KS

DST # 1

LKC"A"

2011.03.19



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Baird Oil Co. LLC
 PO Box 428
 Logan Ks. 67646-0428
 ATTN: Richard Bell

Esslinger Ranch inc #3-35
35-3s-22w Norton,KS
 Job Ticket: 041566 DST#: 1
 Test Start: 2011.03.19 @ 17:02:05

GENERAL INFORMATION:

Formation: **LKC"A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:25:00
 Time Test Ended: 23:24:59
 Interval: **3566.00 ft (KB) To 3590.00 ft (KB) (TVD)**
 Total Depth: **3590.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair

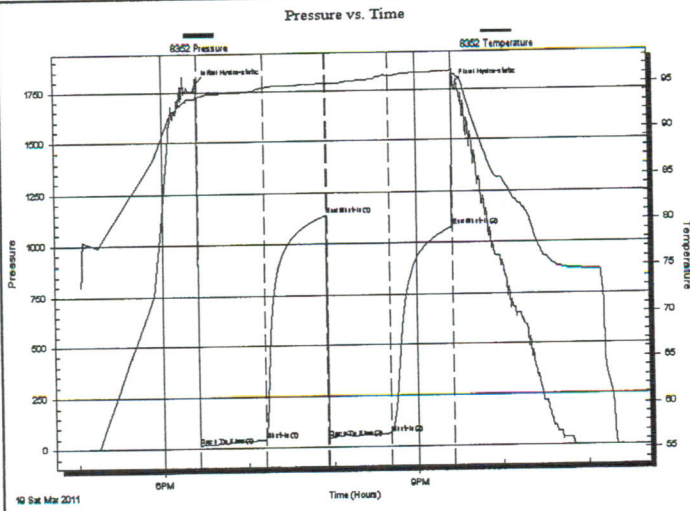
Test Type: Conventional Bottom Hole
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2347.00 ft (KB)
 2340.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8352

Outside

Press@RunDepth: 65.96 psig @ 3567.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.03.19 End Date: 2011.03.19 Last Calib.: 2011.03.19
 Start Time: 17:02:05 End Time: 23:24:59 Time On Btm: 2011.03.19 @ 18:24:20
 Time Off Btm: 2011.03.19 @ 21:26:20

TEST COMMENT: IF: Fair, 1 inch in 9 min. building to 2 inches
 IS: No Return
 FF: Half inch blow
 FS: No Return



PRESSURE SUMMARY

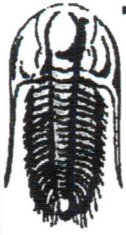
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1790.81	93.77	Initial Hydro-static
1	13.80	93.30	Open To Flow (1)
48	39.73	94.69	Shut-In(1)
92	1137.95	95.11	End Shut-In(1)
92	44.56	94.69	Open To Flow (2)
136	65.96	95.86	Shut-In(2)
181	1074.08	96.31	End Shut-In(2)
182	1775.23	95.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	OSMW m=30% w =70%	0.32
5.00	Oil	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Co. LLC
PO Box 428
Logan Ks. 67646-0428
ATTN: Richard Bell

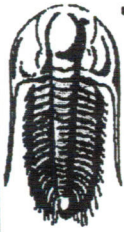
Esslinger Ranch inc #3-35
35-3s-22w Norton,KS
Job Ticket: 041566 DST#: 1
Test Start: 2011.03.19 @ 17:02:05

Tool Information

Drill Pipe:	Length: 3451.00 ft	Diameter: 3.80 inches	Volume: 48.41 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 122.13 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 49.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.13 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3566.00 ft			Final 46000.00 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
Change Over Sub	1.00			3547.00	
Shut In Tool	5.00			3552.00	
Hydraulic tool	5.00			3557.00	
Packer	5.00			3562.00	20.00 Bottom Of Top Packer
Packer	4.00			3566.00	
Stubb	1.00			3567.00	
Recorder	0.00	8017	Inside	3567.00	
Recorder	0.00	8352	Outside	3567.00	
Perforations	20.00			3587.00	
Bullnose	3.00			3590.00	24.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co. LLC
 PO Box 428
 Logan Ks. 67646-0428
 ATTN: Richard Bell

Esslinger Ranch Inc #3-35
35-3s-22w Norton,KS
 Job Ticket: 041566 DST#: 1
 Test Start: 2011.03.19 @ 17:02:05

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil Apt:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: inches			

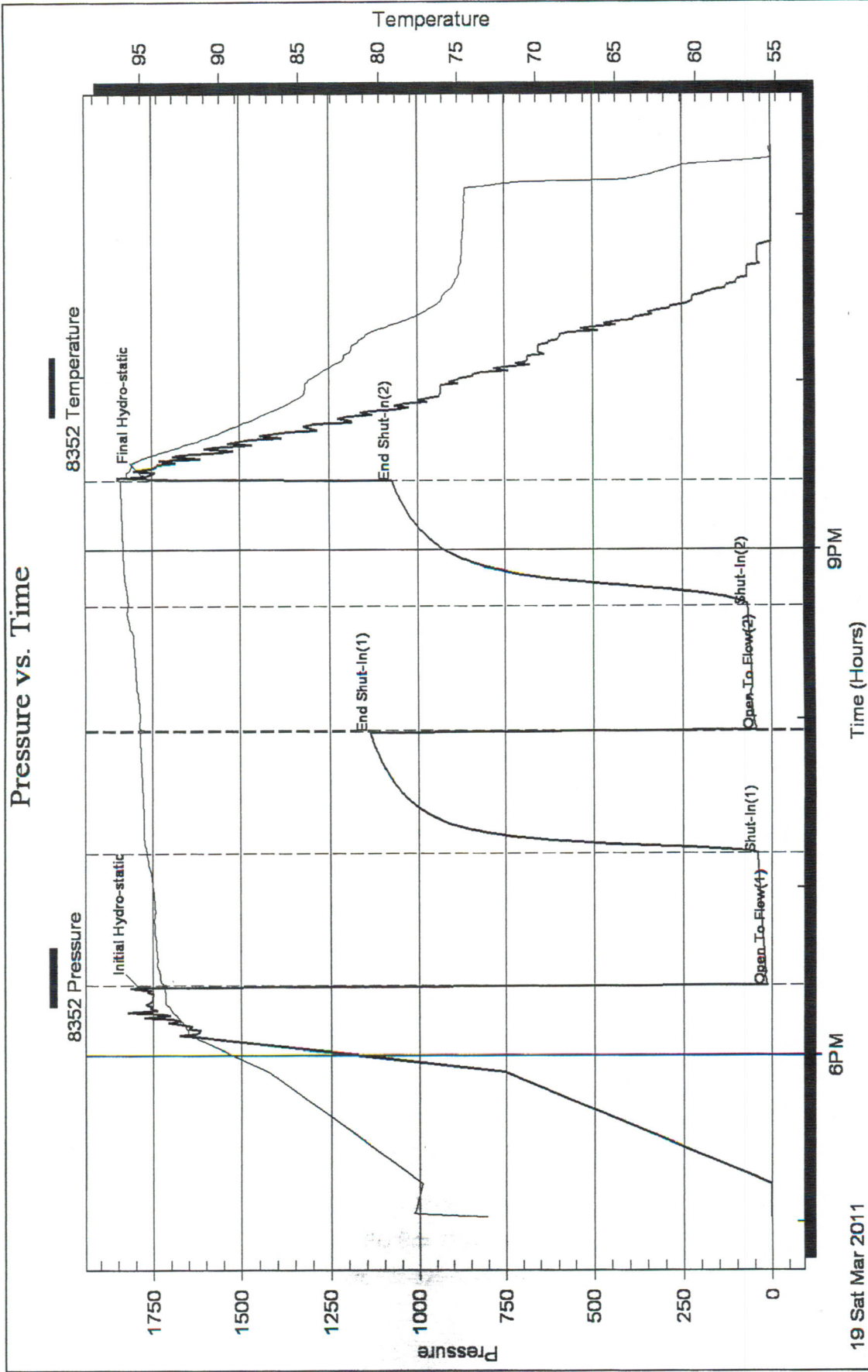
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	OSMW m=30% w =70%	0.320
5.00	Oil	0.025

Total Length: 70.00 ft Total Volume: 0.345 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

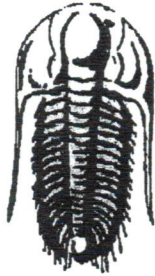
Pressure vs. Time



19 Sat Mar 2011

6PM

9PM



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DRILL STEM TEST REPORT

Prepared For: **Baird Oil Co. LLC**

PO Box 428
Logan Ks. 67646-0428

ATTN: Richard Bell

35-3s-22w Norton,KS

Esslinger Ranch inc #3-35

Start Date: 2011.03.20 @ 06:03:05

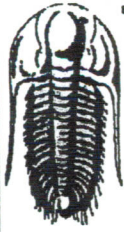
End Date: 2011.03.20 @ 12:56:59

Job Ticket #: 041567 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



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DRILL STEM TEST REPORT

Baird Oil Co. LLC
 PO Box 428
 Logan Ks. 67646-0428
 ATTN: Richard Bell

Esslinger Ranch inc #3-35
35-3s-22w Norton,KS
 Job Ticket: 041567 DST#: 2
 Test Start: 2011.03.20 @ 06:03:05

GENERAL INFORMATION:

Formation: LKC"C"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:56:50
 Time Test Ended: 12:56:59
 Interval: 3592.00 ft (KB) To 3613.00 ft (KB) (TVD)
 Total Depth: 3613.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2347.00 ft (KB)
 2340.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8352

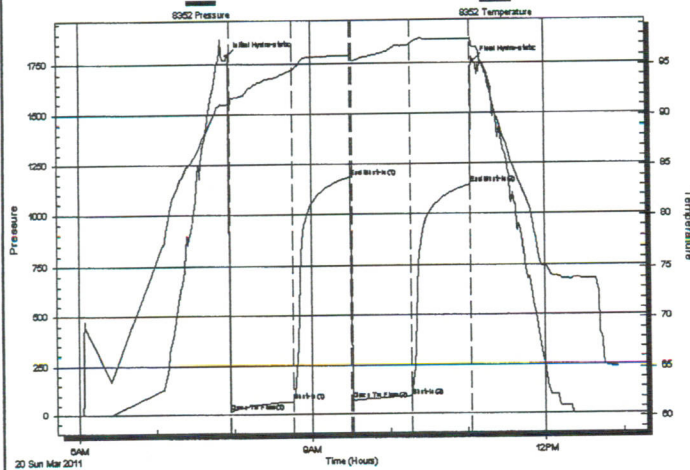
Outside

Press@RunDepth: 91.08 psig @ 3593.00 ft (KB)
 Start Date: 2011.03.20 End Date: 2011.03.20
 Start Time: 06:03:05 End Time: 12:56:59

Capacity: 8000.00 psig
 Last Calib.: 2011.03.20
 Time On Btm: 2011.03.20 @ 07:55:30
 Time Off Btm: 2011.03.20 @ 11:05:29

TEST COMMENT: IF: 4 inch in 11min. BOB, 32min.
 IS: Return blow, half inch in 10min.
 FF: 4 inch in 6 min. BOB, 24min.
 FS: Return blow, half inch in 8 min.

Pressure vs. Time



PRESSURE SUMMARY

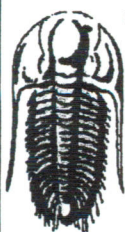
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1791.87	91.19	Initial Hydro-static
2	16.10	90.61	Open To Flow (1)
50	66.95	94.59	Shut-In(1)
95	1184.50	95.99	End Shut-In(1)
96	72.93	95.56	Open To Flow (2)
141	91.08	97.03	Shut-In(2)
188	1143.68	97.55	End Shut-In(2)
190	1761.91	96.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM g=10% o=40% m=50%	0.30
60.00	GMCO g=10% m=30% o=60%	0.30
90.00	GCO g=10% o=90%	1.24
0.00	GIP=270ft	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Co. LLC
PO Box 428
Logan Ks. 67646-0428

ATTN: Richard Bell

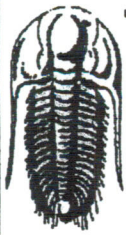
Esslinger Ranch inc #3-35
35-3s-22w Norton,KS
Job Ticket: 041567 DST#: 2
Test Start: 2011.03.20 @ 06:03:05

Tool Information

Drill Pipe:	Length: 3480.00 ft	Diameter: 3.80 inches	Volume: 48.82 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 122.13 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 56000.00 lb
		Total Volume: 49.42 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	30.13 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3592.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	41.00 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			3573.00	
Shut In Tool	5.00			3578.00	
Hydraulic tool	5.00			3583.00	
Packer	5.00			3588.00	20.00 Bottom Of Top Packer
Packer	4.00			3592.00	
Stubb	1.00			3593.00	
Recorder	0.00	8017	Inside	3593.00	
Recorder	0.00	8352	Outside	3593.00	
Perforations	17.00			3610.00	
Bullnose	3.00			3613.00	21.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

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PO Box 428
Logan Ks. 67646-0428
ATTN: Richard Bell

Esslinger Ranch inc #3-35
35-3s-22w Norton,KS
Job Ticket: 041567 DST#: 2
Test Start: 2011.03.20 @ 06:03:05

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 33 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.19 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1000.00 ppm		
Filter Cake: inches		

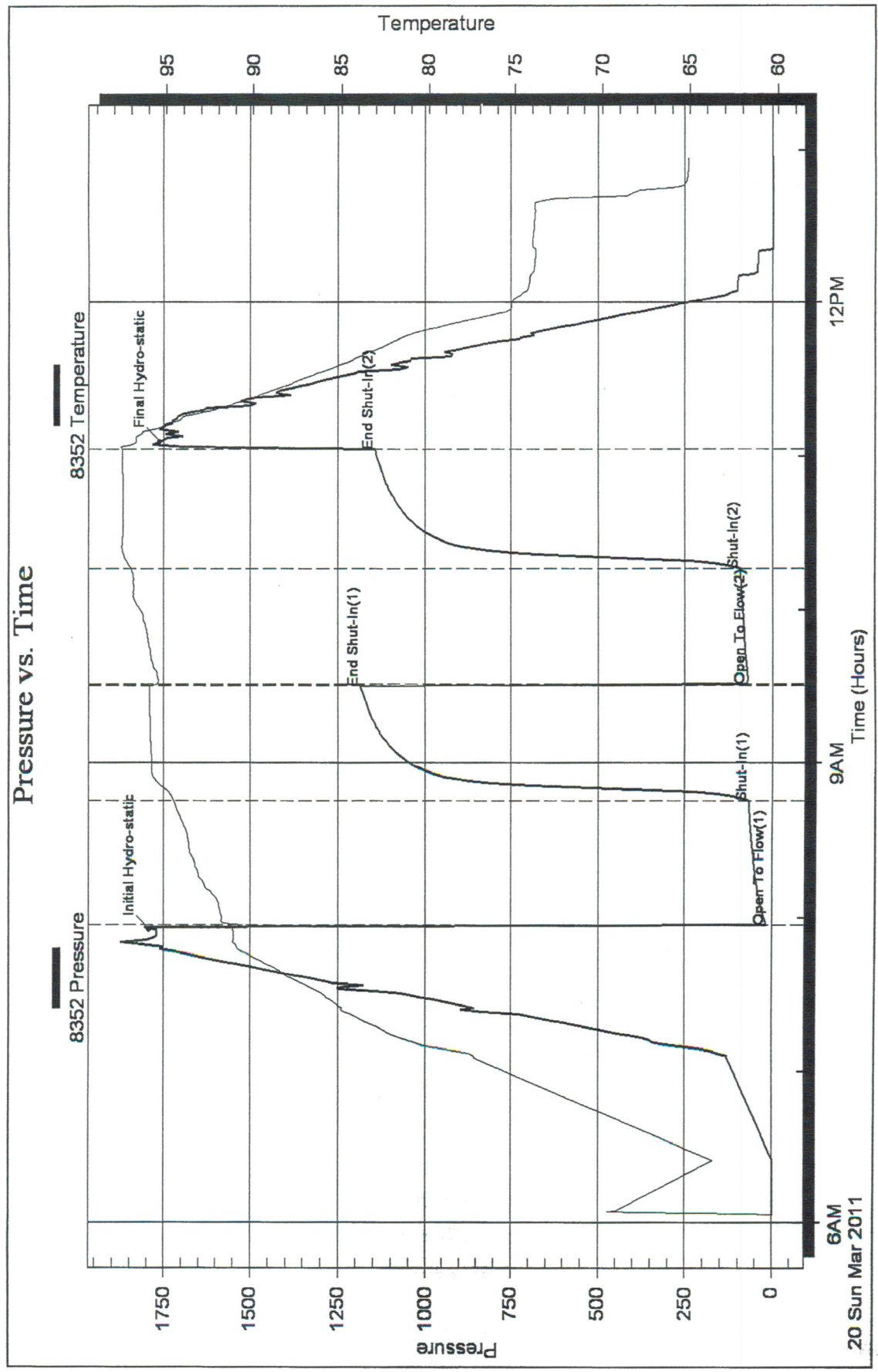
Recovery Information

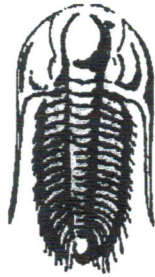
Recovery Table

Length ft	Description	Volume bbl
60.00	GOCM g=10% o=40% m=50%	0.295
60.00	GMCO g=10% m=30% o=60%	0.295
90.00	GCO g=10% o=90%	1.243
0.00	GIP=270ft	0.000

Total Length: 210.00 ft Total Volume: 1.833 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: **Baird Oil Co. LLC**

PO Box 428
Logan Ks. 67646-0428

ATTN: Richard Bell

35-3s-22w Norton,KS

Esslinger Ranch inc #3-35

Start Date: 2011.03.20 @ 18:04:05

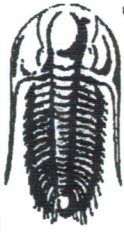
End Date: 2011.03.21 @ 00:49:09

Job Ticket #: 041568 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Baird Oil Co. LLC
PO Box 428
Logan Ks. 67646-0428
ATTN: Richard Bell

Esslinger Ranch inc #3-35
35-3s-22w Norton,KS
Job Ticket: 041568 DST#: 3
Test Start: 2011.03.20 @ 18:04:05

GENERAL INFORMATION:

Formation: LKC"D"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:36:10
Time Test Ended: 00:49:09

Test Type: Conventional Bottom Hole
Tester: Andy Carreira
Unit No: 39

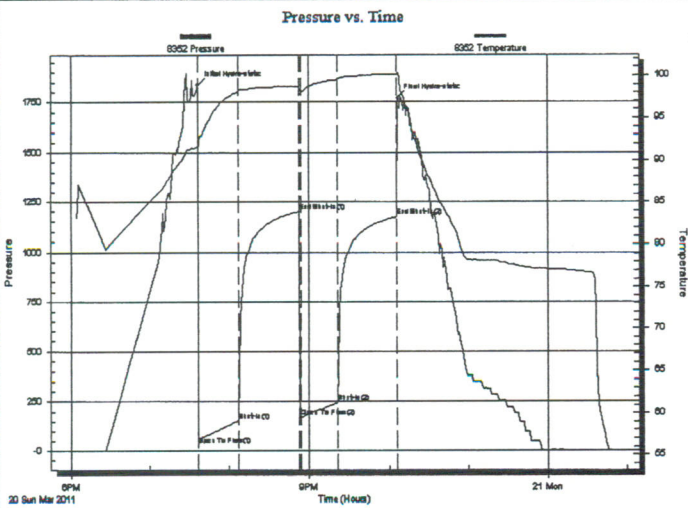
Interval: 3612.00 ft (KB) To 3630.00 ft (KB) (TVD)
Total Depth: 3630.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2347.00 ft (KB)
2340.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8352 Outside
Press@RunDepth: 245.28 psig @ 3613.00 ft (KB)
Start Date: 2011.03.20 End Date:
Start Time: 18:04:05 End Time:

Capacity: 8000.00 psig
Last Calib.: 2011.03.20
Time On Btm: 2011.03.20 @ 19:36:00
Time Off Btm: 2011.03.20 @ 22:06:30

TEST COMMENT: IF: BOB, 5 min.
IS: Return blow ,2inches in 15min. built to 6 inches
FF: BOB, 2 min.
FS: Return blow , built to 6 inches



PRESSURE SUMMARY

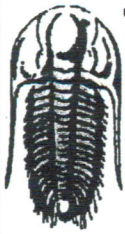
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1836.86	91.75	Initial Hydro-static
1	32.33	91.11	Open To Flow (1)
31	153.49	98.15	Shut-In(1)
77	1201.36	98.71	End Shut-In(1)
78	171.43	98.17	Open To Flow (2)
106	245.28	99.52	Shut-In(2)
150	1175.46	100.12	End Shut-In(2)
151	1770.41	100.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	HOCGM g=5% o=45% m=50%	0.30
610.00	GCO g=15% o=85%	7.99
0.00	GIP=350ft	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Co. LLC

Esslinger Ranch inc #3-35

PO Box 428
Logan Ks. 67646-0428

35-3s-22w Norton, KS

Job Ticket: 041568 DST#: 3

ATTN: Richard Bell

Test Start: 2011.03.20 @ 18:04:05

Tool Information

Drill Pipe:	Length: 3483.00 ft	Diameter: 3.80 inches	Volume: 48.86 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 122.13 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 49.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.13 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3612.00 ft			Final 48000.00 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
Change Over Sub	1.00			3593.00	
Shut In Tool	5.00			3598.00	
Hydraulic tool	5.00			3603.00	
Packer	5.00			3608.00	20.00 Bottom Of Top Packer
Packer	4.00			3612.00	
Stubb	1.00			3613.00	
Recorder	0.00	8017	Inside	3613.00	
Recorder	0.00	8352	Outside	3613.00	
Perforations	14.00			3627.00	
Bullnose	3.00			3630.00	18.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co. LLC
PO Box 428
Logan Ks. 67646-0428

Esslinger Ranch inc #3-35
35-3s-22w Norton,KS
Job Ticket: 041568 **DST#: 3**
Test Start: 2011.03.20 @ 18:04:05

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: inches			

Recovery Information

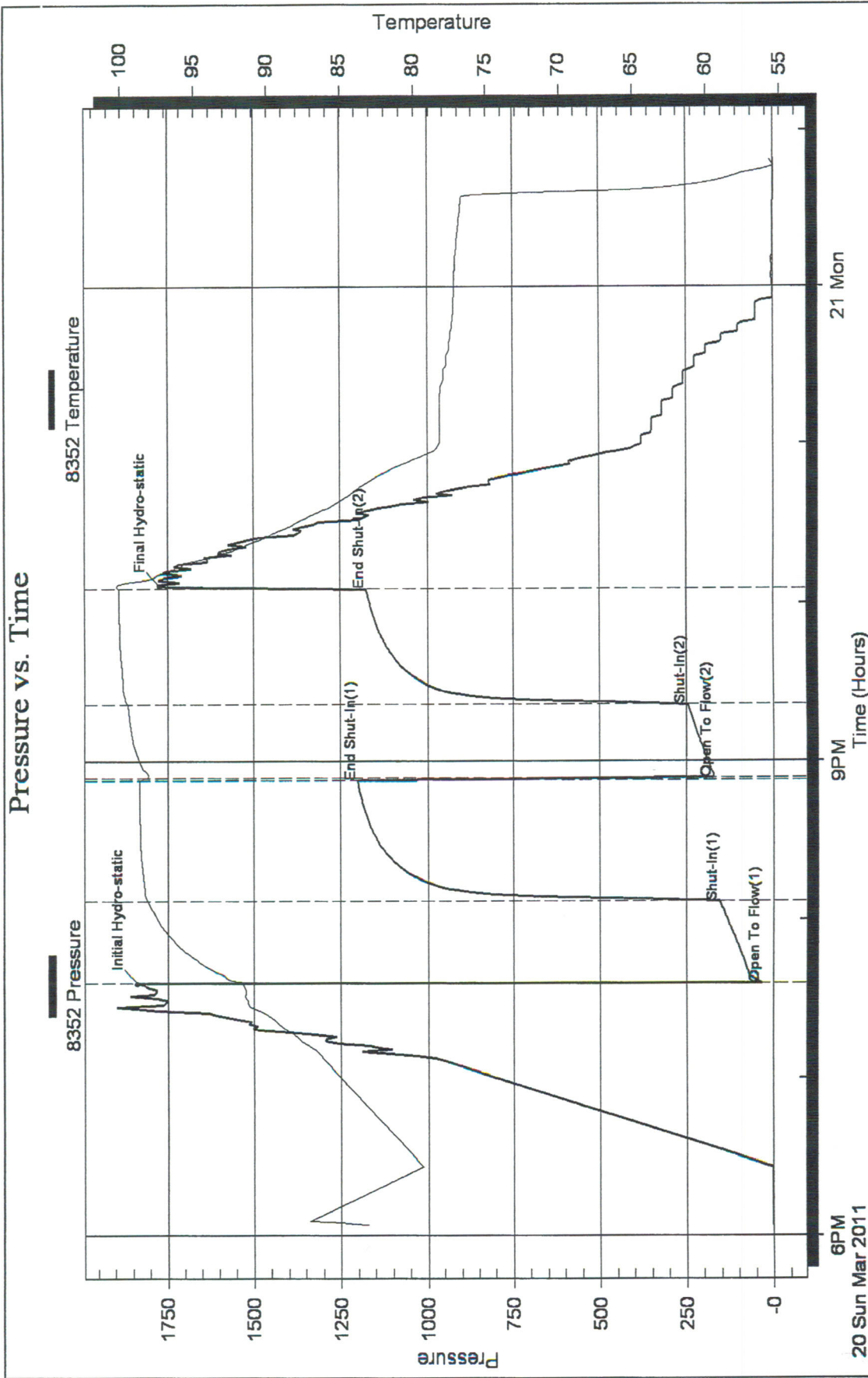
Recovery Table

Length ft	Description	Volume bbl
60.00	HOCGM g=5% o=45% m=50%	0.295
610.00	GCO g=15% o=85%	7.991
0.00	GIP=350ft	0.000

Total Length: 670.00 ft Total Volume: 8.286 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Co. LLC**

PO Box 428
Logan Ks. 67646-0428

ATTN: Richard Bell

35-3s-22w Norton,KS

Esslinger Ranch inc #3-35

Start Date: 2011.03.21 @ 07:28:05

End Date: 2011.03.21 @ 12:51:09

Job Ticket #: 041569 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Baird Oil Co. LLC

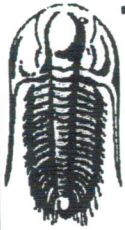
Esslinger Ranch inc #3-35

35-3s-22w Norton,KS

DST # 4

LKC:"F"

2011.03.21



**TRILOBITE
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DRILL STEM TEST REPORT

Baird Oil Co. LLC
 PO Box 428
 Logan Ks. 67646-0428
 ATTN: Richard Bell

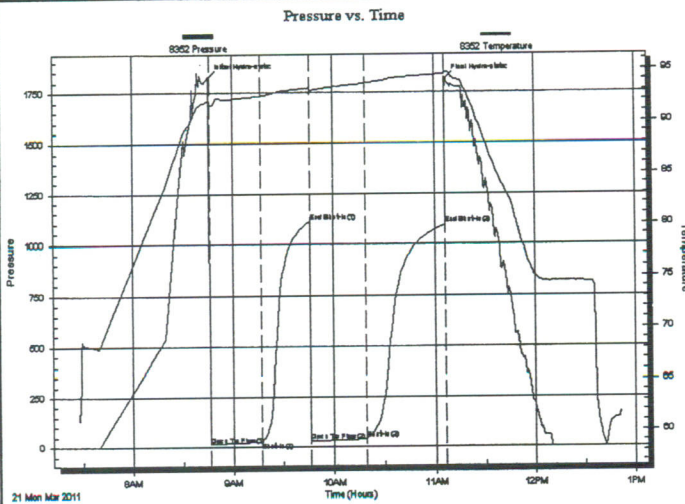
Esslinger Ranch inc #3-35
35-3s-22w Norton,KS
 Job Ticket: 041569 **DST#: 4**
 Test Start: 2011.03.21 @ 07:28:05

GENERAL INFORMATION:

Formation: LKC:"F"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:46:20
 Time Test Ended: 12:51:09
 Interval: 3630.00 ft (KB) To 3648.00 ft (KB) (TVD)
 Total Depth: 3648.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2347.00 ft (KB)
 2340.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8352 **Outside**
 Press@RunDepth: 38.83 psig @ 3631.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.03.21 End Date: 2011.03.21 Last Calib.: 2011.03.21
 Start Time: 07:28:05 End Time: 12:51:10 Time On Btm: 2011.03.21 @ 08:46:00
 Time Off Btm: 2011.03.21 @ 11:07:00

TEST COMMENT: IF: 1 inch blow in 11 min. built to 2 inches
 IS: No Return
 FF: Built to 1 inch
 FS: No Return



PRESSURE SUMMARY

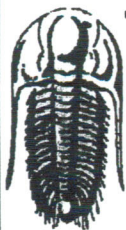
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1820.97	91.94	Initial Hydro-static
1	12.75	91.38	Open To Flow (1)
32	24.56	92.47	Shut-In(1)
61	1110.37	93.23	End Shut-In(1)
61	28.80	92.73	Open To Flow (2)
94	38.83	93.69	Shut-In(2)
141	1092.51	94.52	End Shut-In(2)
141	1812.77	94.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	MCO m=40% o=60%	0.25
10.00	Oil	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Co. LLC
 PO Box 428
 Logan Ks. 67646-0428
 ATTN: Richard Bell

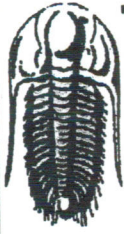
Esslinger Ranch inc #3-35
35-3s-22w Norton,KS
 Job Ticket: 041569 DST#: 4
 Test Start: 2011.03.21 @ 07:28:05

Tool Information

Drill Pipe:	Length: 3513.00 ft	Diameter: 3.80 inches	Volume: 49.28 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 122.13 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 49.88 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.13 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3630.00 ft			Final 46000.00 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
Change Over Sub	1.00			3611.00	
Shut In Tool	5.00			3616.00	
Hydraulic tool	5.00			3621.00	
Packer	5.00			3626.00	20.00 Bottom Of Top Packer
Packer	4.00			3630.00	
Stubb	1.00			3631.00	
Recorder	0.00	8017	Inside	3631.00	
Recorder	0.00	8352	Outside	3631.00	
Perforations	14.00			3645.00	
Bullnose	3.00			3648.00	18.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co. LLC
PO Box 428
Logan Ks. 67646-0428

ATTN: Richard Bell

Esslinger Ranch inc #3-35
35-3s-22w Norton,KS
Job Ticket: 041569 DST#: 4
Test Start: 2011.03.21 @ 07:28:05

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil Apt:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	MCO m=40% o=60%	0.246
10.00	Oil	0.049

Total Length: 60.00 ft Total Volume: 0.295 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8352

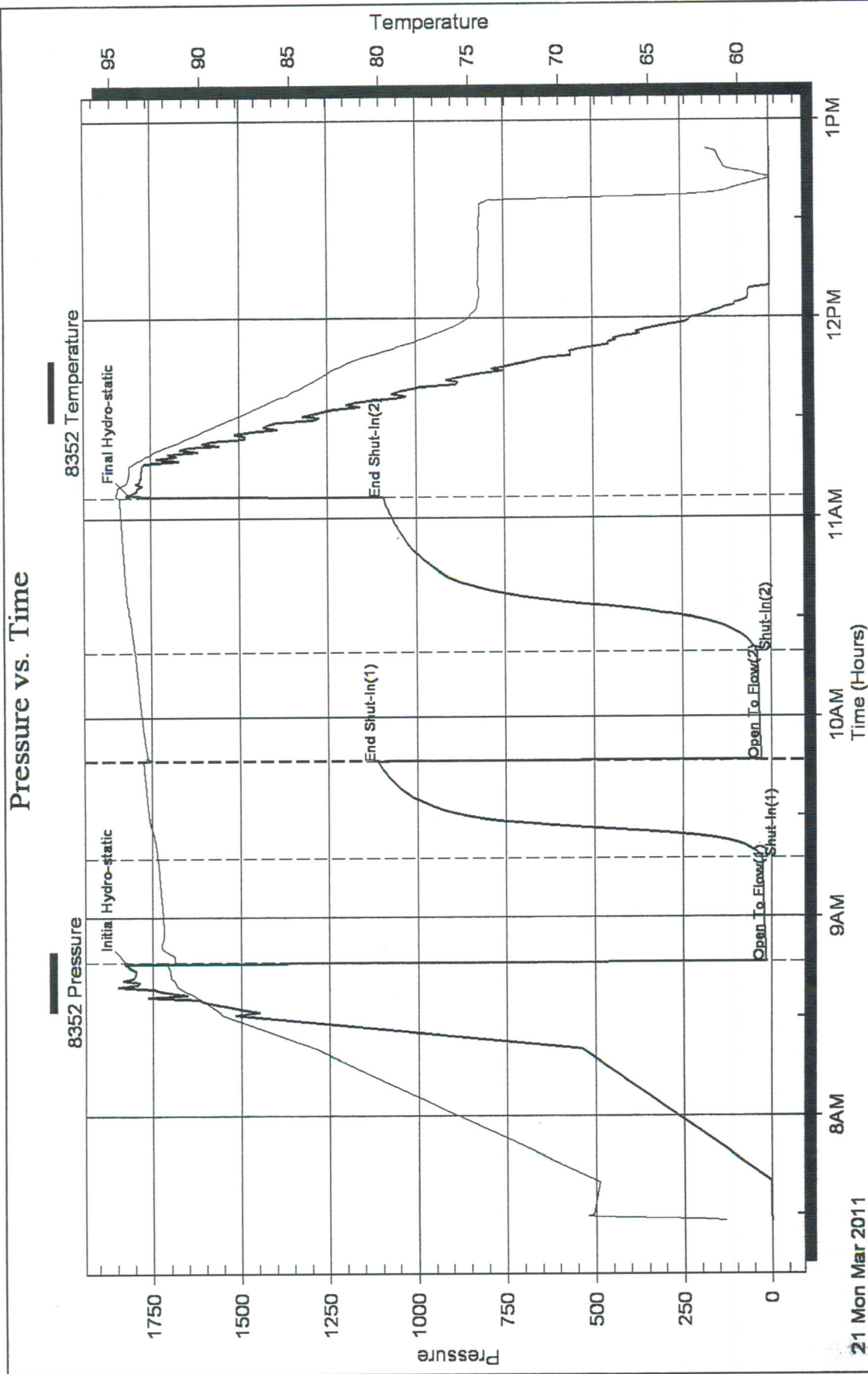
Outside

Baird Oil Co. LLC

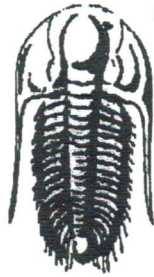
35-3s-22w Norton, KS

DST Test Number: 4

Pressure vs. Time



21 Mon Mar 2011



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Baird Oil Co. LLC**

PO Box 428
Logan Ks. 67646-0428

ATTN: Richard Bell

35-3s-22w Norton,KS

Esslinger Ranch inc #3-35

Start Date: 2011.03.21 @ 18:46:05

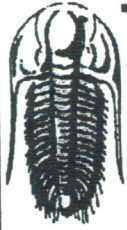
End Date: 2011.03.21 @ 22:52:30

Job Ticket #: 041570 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Baird Oil Co. LLC
 PO Box 428
 Logan Ks. 67646-0428
 ATTN: Richard Bell

Esslinger Ranch inc #3-35
35-3s-22w Norton,KS
 Job Ticket: 041570 DST#: 5
 Test Start: 2011.03.21 @ 18:46:05

GENERAL INFORMATION:

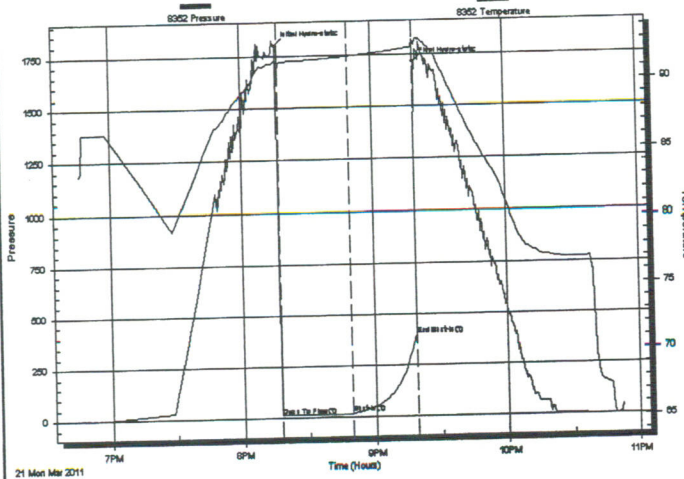
Formation: LKC"G"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:17:10
 Time Test Ended: 22:52:30
 Interval: 3648.00 ft (KB) To 3665.00 ft (KB) (TVD)
 Total Depth: 3665.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 2347.00 ft (KB)
 2340.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8352 Outside
 Press@RunDepth: 17.95 psig @ 3649.00 ft (KB)
 Start Date: 2011.03.21 End Date: 2011.03.21
 Start Time: 18:46:05 End Time: 22:52:30
 Capacity: 8000.00 psig
 Last Calib.: 2011.03.21
 Time On Btm: 2011.03.21 @ 20:16:20
 Time Off Btm: 2011.03.21 @ 21:19:20

TEST COMMENT: IF: Weak, 1/4 inch blow
 IS: No Return

Pressure vs. Time



PRESSURE SUMMARY

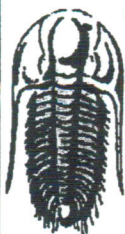
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1798.02	91.66	Initial Hydro-static
1	12.61	90.79	Open To Flow (1)
33	17.95	91.93	Shut-In(1)
63	394.32	92.55	End Shut-In(1)
63	1711.19	92.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM o=5% m=95%	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Co. LLC
PO Box 428
Logan Ks. 67646-0428
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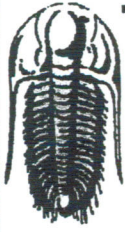
Esslinger Ranch inc #3-35
35-3s-22w Norton,KS
Job Ticket: 041570 DST#: 5
Test Start: 2011.03.21 @ 18:46:05

Tool Information

Drill Pipe:	Length: 3513.00 ft	Diameter: 3.80 inches	Volume: 49.28 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 122.13 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	49.88 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.13 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3648.00 ft			Final 47000.00 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
Change Over Sub	1.00			3629.00	
Shut In Tool	5.00			3634.00	
Hydraulic tool	5.00			3639.00	
Packer	5.00			3644.00	20.00 Bottom Of Top Packer
Packer	4.00			3648.00	
Stubb	1.00			3649.00	
Recorder	0.00	8017	Inside	3649.00	
Recorder	0.00	8352	Outside	3649.00	
Perforations	13.00			3662.00	
Bullnose	3.00			3665.00	17.00 Bottom Packers & Anchor
Total Tool Length:	37.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Co. LLC
PO Box 428
Logan Ks. 67646-0428

ATTN: Richard Bell

Esslinger Ranch inc #3-35
35-3s-22w Norton,KS
Job Ticket: 041570 DST#: 5
Test Start: 2011.03.21 @ 18:46:05

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: 7.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1200.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SOCM o=5% m=95%	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:

Recovery Comments:

Serial #: 8352

Outside Baird Oil Co. LLC

35-3s-22w Norton, KS

DST Test Number: 5

Pressure vs. Time

