

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC**

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

6 4s 21w Norton KS

Schemper - Kats Unit #4-6

Start Date: 2010.08.15 @ 23:20:00

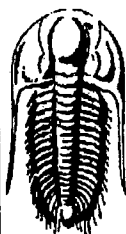
End Date: 2010.08.16 @ 03:51:00

Job Ticket #: 38383 DST #: 1

KCC
SEP 07 2010
CONFIDENTIAL

RECEIVED
SEP 09 2010
KCC WICHITA

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 Company, LLC

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Schemper - Kats Unit #4-6

6 4s 21w Norton KS

Job Ticket: 38383

DST#: 1

Test Start: 2010.08.15 @ 23:20:00

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:14:30

Time Test Ended: 03:51:00

Interval: **3567.00 ft (KB) To 3590.00 ft (KB) (TVD)**

Total Depth: 3590.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Reference Elevations: 2326.00 ft (KB)

2321.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 15.24 psig @ 3568.00 ft (KB)

Start Date: 2010.08.15

End Date:

2010.08.16

Start Time: 23:20:05

End Time:

03:50:59

Capacity: 8000.00 psig

Last Calib.: 2010.08.16

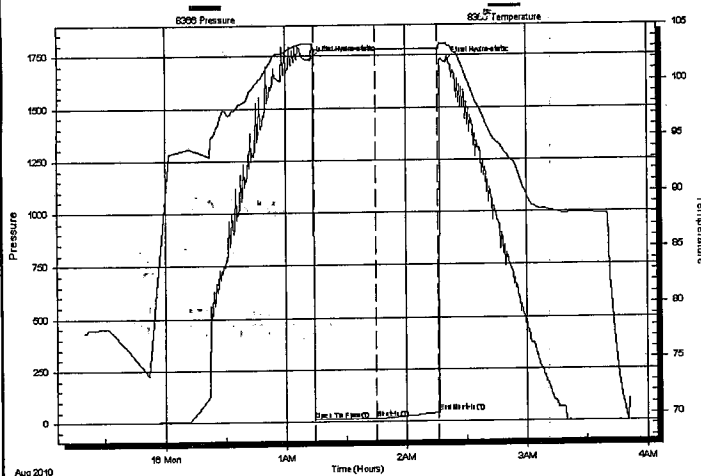
Time On Btm: 2010.08.16 @ 01:12:30

Time Off Btm: 2010.08.16 @ 02:19:30

TEST COMMENT: IF: Blow built to 1/8", dead @ 17 min.

IS: No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1729.80	103.33	Initial Hydro-static
2	11.48	102.31	Open To Flow (1)
33	15.24	102.80	Shut-In(1)
63	43.83	102.79	End Shut-In(1)
67	1716.70	103.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	SOCM 95% m, 5% o	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Schemper - Kats Unit #4-6

6 4s 21w Norton KS

Job Ticket: 38383

DST#: 1

Test Start: 2010.08.15 @ 23:20:00

Tool Information

Drill Pipe:	Length: 3450.00 ft	Diameter: 3.80 inches	Volume: 48.39 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	37000.00 lb
		Total Volume:	48.99 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3567.00 ft			Final	35000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	23.00 ft				
Tool Length:	43.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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	5.00 *			3567.00	
Stubb	1.00			3568.00	
Recorder	0.00	8366	Inside	3568.00	
Recorder	0.00	8320	Inside	3568.00	
Perforations	19.00			3587.00	
Bullnose	3.00			3590.00	23.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

Schemper - Kats Unit #4-6

PO Box 428
Logan, KS 67646

6 4s 21w Norton KS

Job Ticket: 38383

DST#: 1

ATTN: Richard Bell

Test Start: 2010.08.15 @ 23:20:00

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: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	SOCM 95% m, 5% o	0.020

Total Length: 4.00 ft

Total Volume: 0.020 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

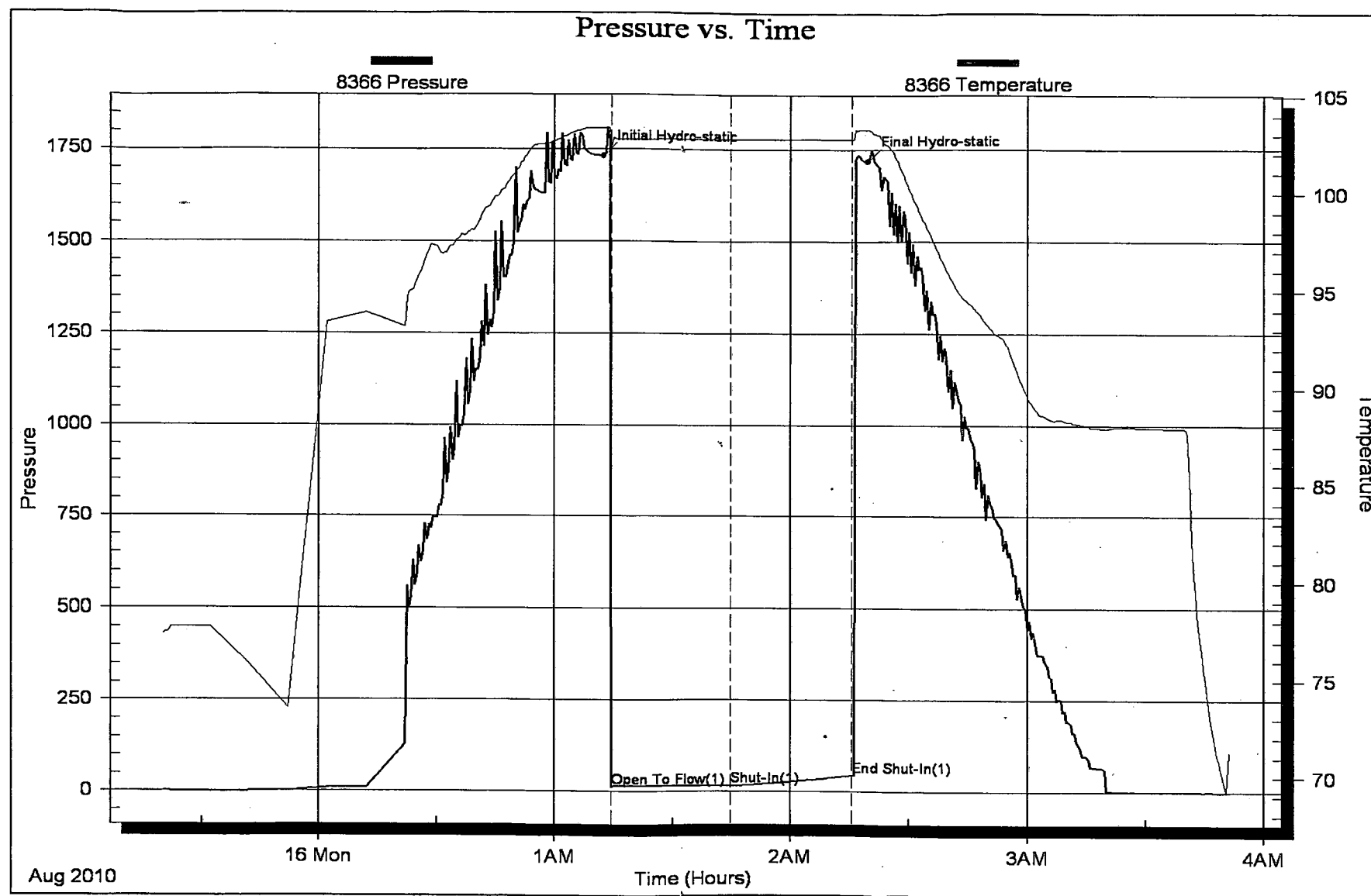
Recovery Comments:

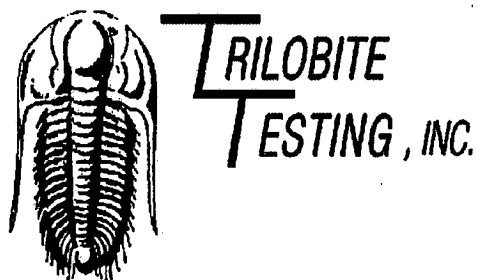
Serial #: 8366

Inside Baird Oil Company, LLC

6 4s 21w Norton KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC**

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

6 4s 21w Norton KS

Schemper - Kats Unit #4-6

Start Date: 2010.08.16 @ 09:51:00

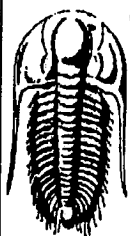
End Date: 2010.08.16 @ 14:24:30

Job Ticket #: 38384 DST #: 2

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 Company, LLC

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Schemper - Kats Unit #4-6

6 4s 21w Norton KS

Job Ticket: 38384

DST#: 2

Test Start: 2010.08.16 @ 09:51:00

GENERAL INFORMATION:

Formation: LKC "C"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:09:00

Time Test Ended: 14:24:30

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: 3593.00 ft (KB) To 3613.00 ft (KB) (TVD)

Total Depth: 3613.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2326.00 ft (KB)

2321.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 18.35 psig @ 3594.00 ft (KB)

Start Date: 2010.08.16

End Date: 2010.08.16

Start Time: 09:51:05

End Time: 14:24:29

Capacity: 8000.00 psig

Last Calib.: 2010.08.16

Time On Btm: 2010.08.16 @ 11:07:00

Time Off Btm: 2010.08.16 @ 13:11:30

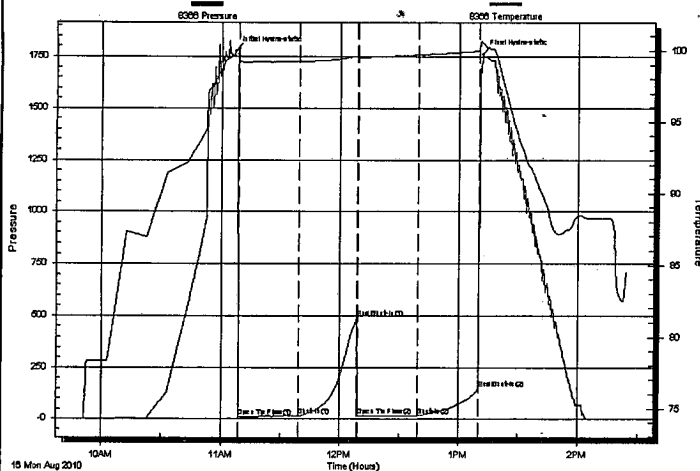
TEST COMMENT: IF: Surface blow, dead @ 9 min., surface blow 24 min. - 30 min.

IS: No blow back

FF: No blow

FS: No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1776.34	99.65	Initial Hydro-static
2	12.57	99.29	Open To Flow (1)
32	15.23	99.23	Shut-In(1)
62	492.04	99.60	End Shut-In(1)
62	16.64	99.46	Open To Flow (2)
92	18.35	99.71	Shut-In(2)
123	146.93	100.00	End Shut-In(2)
125	1762.94	100.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 76% m, 24% o	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Schemper - Kats Unit #4-6

6 4s 21w Norton KS

Job Ticket: 38384

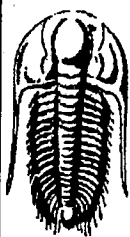
DST#: 2

Test Start: 2010.08.16 @ 09:51:00

Tool Information

Drill Pipe:	Length: 3471.00 ft	Diameter: 3.80 inches	Volume: 48.69 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	39000.00 lb
		Total Volume:	49.29 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	36000.00 lb
Depth to Top Packer:	3593.00 ft			Final	36000.00 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			3578.00	
Hydraulic tool	5.00			3583.00	
Packer	5.00			3588.00	20.00 Bottom Of Top Packer
Packer	5.00			3593.00	
Stubb	1.00			3594.00	
Recorder	0.00	8366	Inside	3594.00	
Recorder	0.00	8320	Inside	3594.00	
Perforations	16.00			3610.00	
Bullnose	3.00			3613.00	20.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

Schemper - Kats Unit #4-6

PO Box 428
Logan, KS 67646

6 4s 21w Norton KS

Job Ticket: 38384

DST#: 2

ATTN: Richard Bell

Test Start: 2010.08.16 @ 09:51:00

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: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OCM 76% _m , 24% _o	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

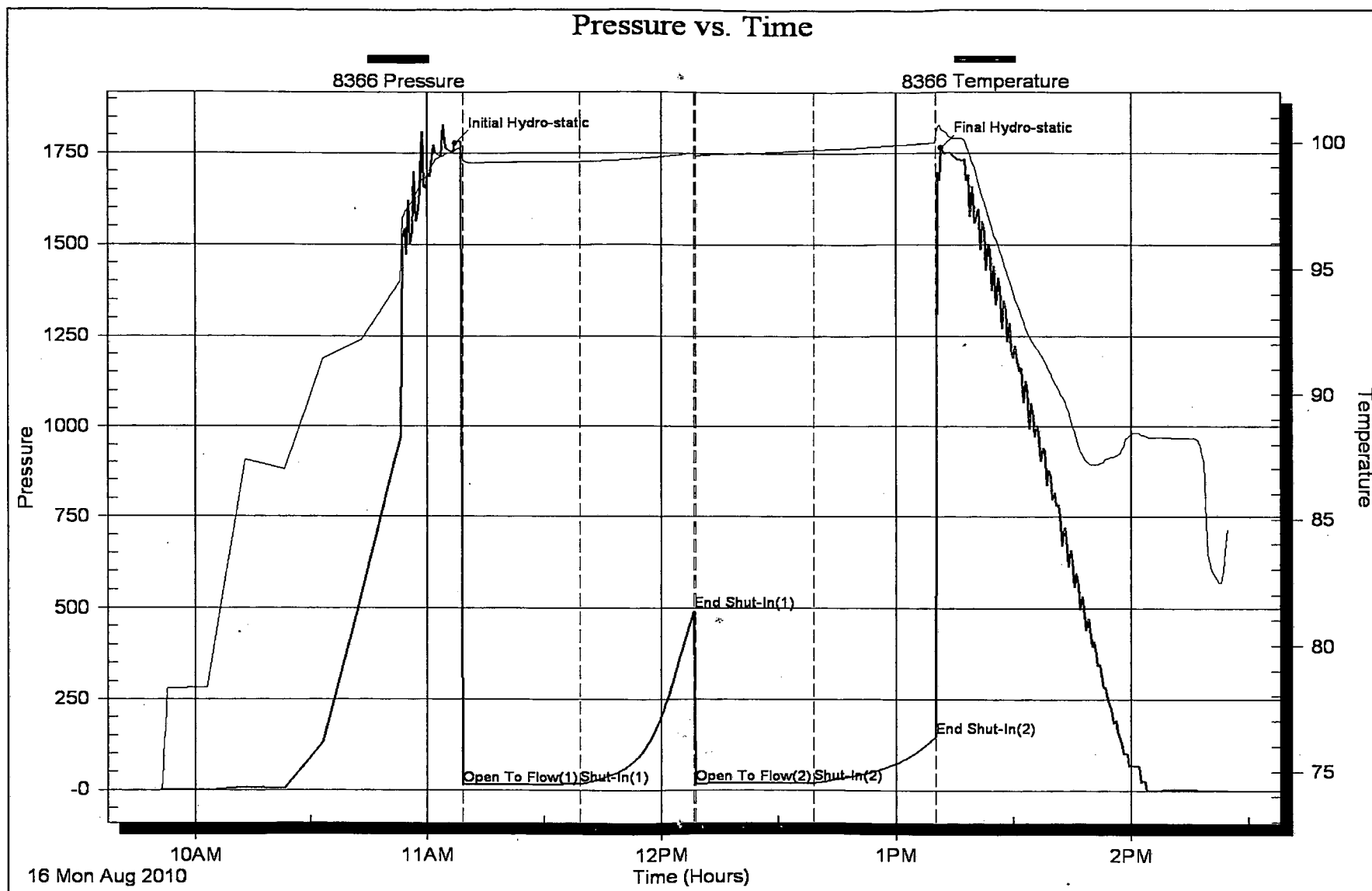
Num Gas Bombs: 0

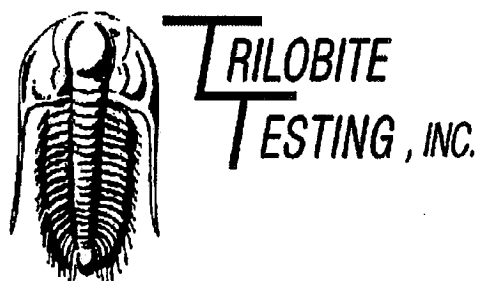
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC**

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

6 4s 21w Norton KS

Schemper - Kats Unit #4-6

Start Date: 2010.08.16 @ 20:02:00

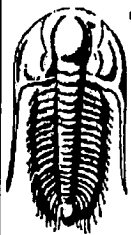
End Date: 2010.08.16 @ 23:37:30

Job Ticket #: 38385 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 Company, LLC

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Schemper - Kats Unit #4-6

6 4s 21w Norton KS

Job Ticket: 38385

DST#: 3

Test Start: 2010.08.16 @ 20:02:00

GENERAL INFORMATION:

Formation: **LKC "D"**

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

Time Tool Opened: 21:21:30

Time Test Ended: 23:37:30

Test Type: **Conventional Bottom Hole**

Tester: **James Winder**

Unit No: **46**

Interval: **3613.00 ft (KB) To 3636.00 ft (KB) (TVD)**

Total Depth: **3636.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2326.00 ft (KB)**

2321.00 ft (CF)

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

Serial #: 8366

Inside

Press@RunDepth: **13.33 psig @ 3614.00 ft (KB)**

Start Date: **2010.08.16**

End Date:

2010.08.16

Start Time: **20:02:05**

End Time:

23:37:30

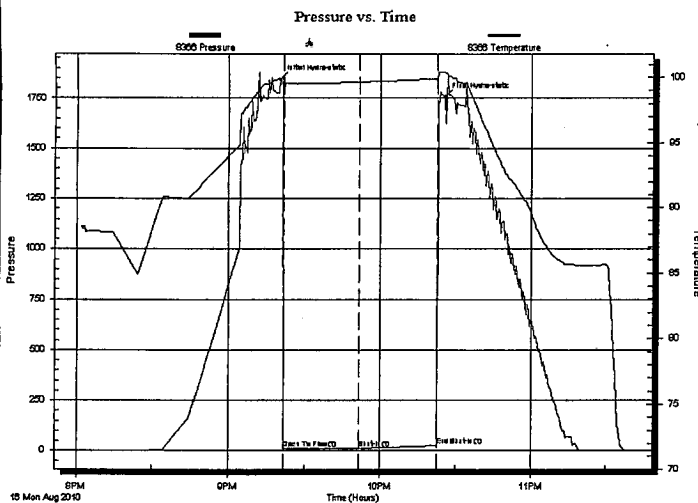
Capacity: **8000.00 psig**

Last Calib.: **2010.08.16**

Time On Btm: **2010.08.16 @ 21:20:00**

Time Off Btm: **2010.08.16 @ 22:25:30**

TEST COMMENT: IF: Weak surface blow, dead in 4 min.
ISI: No blow back



PRESSURE SUMMARY

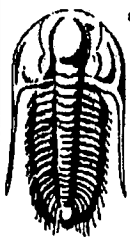
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1842.68	99.86	Initial Hydro-static
2	11.20	99.03	Open To Flow (1)
32	13.33	99.63	Shut-In(1)
63	26.32	99.88	End Shut-In(1)
66	1757.61	100.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	SOCM 97% m, 3% o	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

Schemper - Kats Unit #4-6

PO Box 428
Logan, KS 67646

6 4s 21w Norton KS

Job Ticket: 38385

DST#: 3

ATTN: Richard Bell

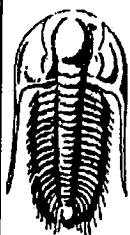
Test Start: 2010.08.16 @ 20:02:00

Tool Information

Drill Pipe:	Length:	3486.00 ft	Diameter:	3.80 inches	Volume:	48.90 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:	122.00 ft	Diameter:	2.25 inches	Volume:	0.60 bbl	Weight to Pull Loose:	39000.00 lb
					Total Volume:	49.50 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		15.00 ft					String Weight: Initial	36000.00 lb
Depth to Top Packer:		3613.00 ft					Final	36000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		23.00 ft						
Tool Length:		43.00 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			3598.00	
Hydraulic tool	5.00			3603.00	
Packer	5.00			3608.00	20.00 Bottom Of Top Packer
Packer	5.00			3613.00	
Stubb.	1.00			3614.00	
Recorder	0.00	8366	Inside	3614.00	
Recorder	0.00	8320	Inside	3614.00	
Perforations	19.00			3633.00	
Bullnose	3.00			3636.00	23.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

Schemper - Kats Unit #4-6

PO Box 428
Logan, KS 67646

6 4s 21w Norton KS

Job Ticket: 38385

DST#: 3

ATTN: Richard Bell

Test Start: 2010.08.16 @ 20:02:00

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: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	SOCM 97% m, 3% o	0.005

Total Length:

1.00 ft

Total Volume:

0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

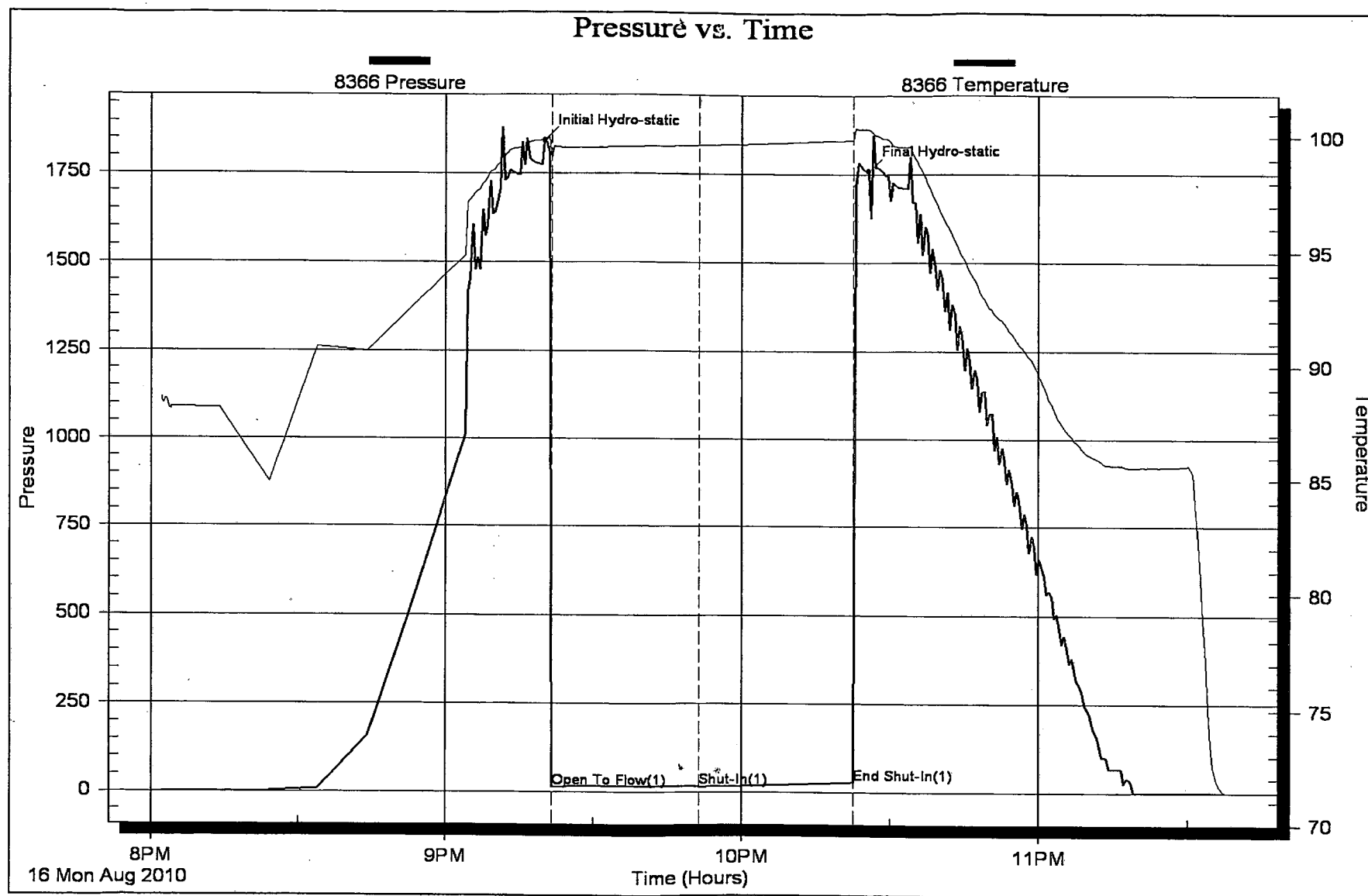
Recovery Comments:

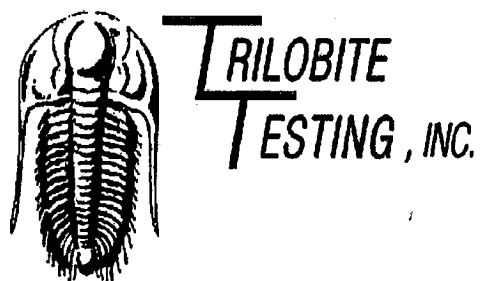
Serial #: 8366

Inside Baird Oil Company, LLC

6 4s 21w Norton KS

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC**

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

6 4s 21w Norton KS

Schemper - Kats Unit #4-6

Start Date: 2010.08.17 @ 06:16:00

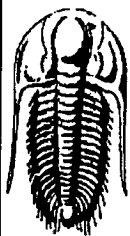
End Date: 2010.08.17 @ 10:35:30

Job Ticket #: 38386 DST #: 4

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 Company, LLC

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Schemper - Kats Unit #4-6

6 4s 21w Norton KS

Job Ticket: 38386

DST#: 4

Test Start: 2010.08.17 @ 06:16:00

GENERAL INFORMATION:

Formation: **LKC "E - G"**

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

Time Tool Opened: 08:08:30

Time Test Ended: 10:35:30

Test Type: **Conventional Bottom Hole**

Tester: **James Winder**

Unit No: **46**

Interval: **3636.00 ft (KB) To 3670.00 ft (KB) (TVD)**

Total Depth: **3670.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2326.00 ft (KB)**

2321.00 ft (CF)

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

Serial #: 8366

Inside

Press@RunDepth: **15.55 psig @ 3637.00 ft (KB)**

Start Date: **2010.08.17**

End Date: **2010.08.17**

Start Time: **06:16:05**

End Time: **10:35:29**

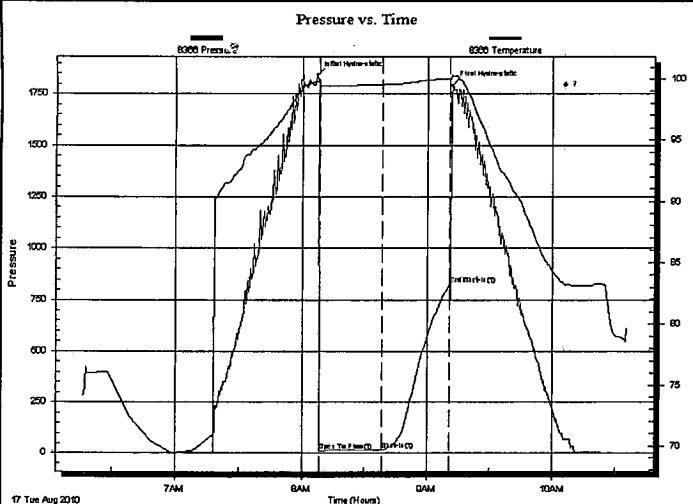
Capacity: **8000.00 psig**

Last Calib.: **2010.08.17**

Time On Btm: **2010.08.17 @ 08:07:00**

Time Off Btm: **2010.08.17 @ 09:12:00**

TEST COMMENT: IF: Blow built to 1/8", dieing back @ 14 min., dead @ 21 min.
IS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1843.36	99.78	Initial Hydro-static
2	13.09	99.44	Open To Flow (1)
32	15.55	99.55	Shut-In(1)
64	822.38	100.03	End Shut-In(1)
65	1793.26	100.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	SOCM 99% m, 1% o	0.01

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Baird Oil Company, LLC

Schemper - Kats Unit #4-6

PO Box 428
Logan, KS 67646

6 4s 21w Norton KS

Job Ticket: 38386

DST#: 4

ATTN: Richard Bell

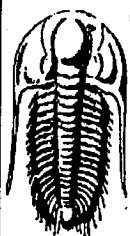
Test Start: 2010.08.17 @ 06:16:00

Tool Information

Drill Pipe:	Length: 3517.00 ft	Diameter: 3.80 inches	Volume: 49.33 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 40000.00 lb
		Total Volume: 49.93 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3636.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3621.00	
Hydraulic tool	5.00			3626.00	
Packer	5.00			3631.00	20.00 Bottom Of Top Packer
Packer	5.00			3636.00	
Stubb	1.00		*	3637.00	
Recorder	0.00	8366	Inside	3637.00	
Recorder	0.00	8320	Inside	3637.00	
Perforations	30.00			3667.00	
Bullnose	3.00			3670.00	34.00 Bottom Packers & Anchor
Total Tool Length:	54.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

Schemper - Kats Unit #4-6

PO Box 428
Logan, KS 67646

6 4s 21w Norton KS

Job Ticket: 38386

DST#: 4

ATTN: Richard Bell

Test Start: 2010.08.17 @ 06:16:00

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: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	SOCM 99% m, 1% o	0.015

Total Length:

3.00 ft

Total Volume:

0.015 bbl

Num Fluid Samples: 0

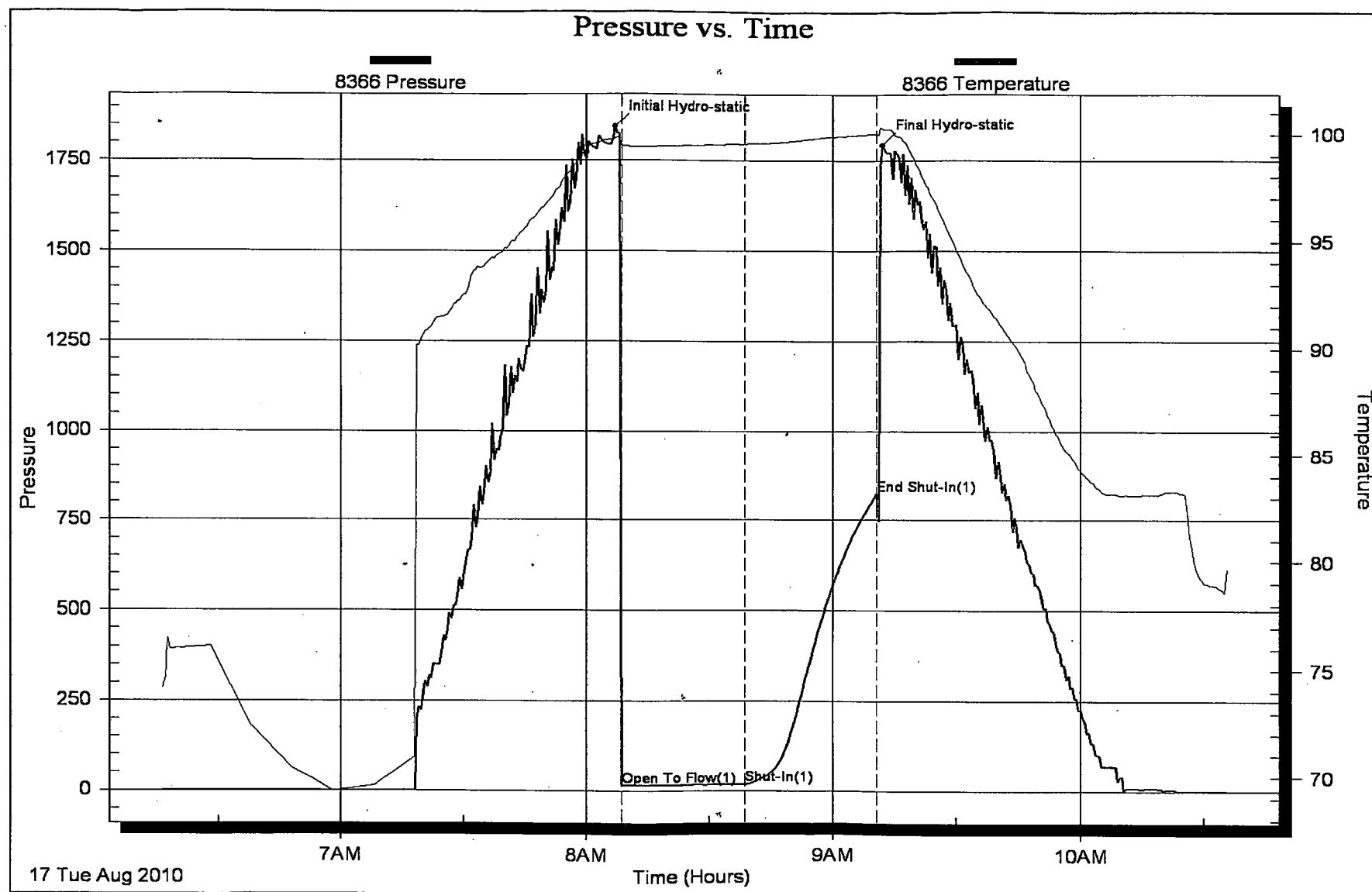
Num Gas Bombs: 0

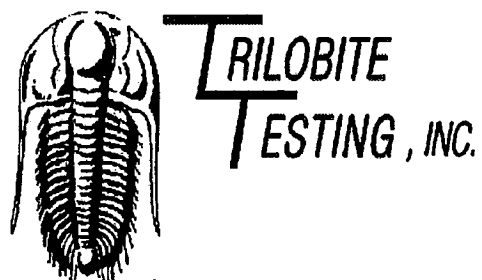
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Baird Oil Company, LLC**

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

6 4s 21w Norton KS

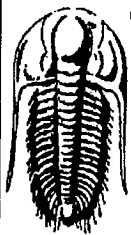
Schemper - Kats Unit #4-6

Start Date: 2010.08.18 @ 04:11:00

End Date: 2010.08.18 @ 10:26:00

Job Ticket #: 38387 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 Company, LLC

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Schemper - Kats Unit #4-6

6 4s 21w Norton KS

Job Ticket: 38387

DST#: 5

Test Start: 2010.08.18 @ 04:11:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:39:30

Time Test Ended: 10:26:00

Test Type: Conventional Straddle

Tester: James Winder

Unit No: 46

Interval: **3763.00 ft (KB) To 3813.00 ft (KB) (TVD)**

Total Depth: **3886.00 ft (KB) (TVD)**

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2326.00 ft (KB)

2321.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366 Inside

Press@RunDepth: 126.23 psig @ 3764.00 ft (KB)

Start Date: 2010.08.18

End Date:

2010.08.18

Start Time: 04:11:05

End Time:

10:25:59

Capacity: 8000.00 psig

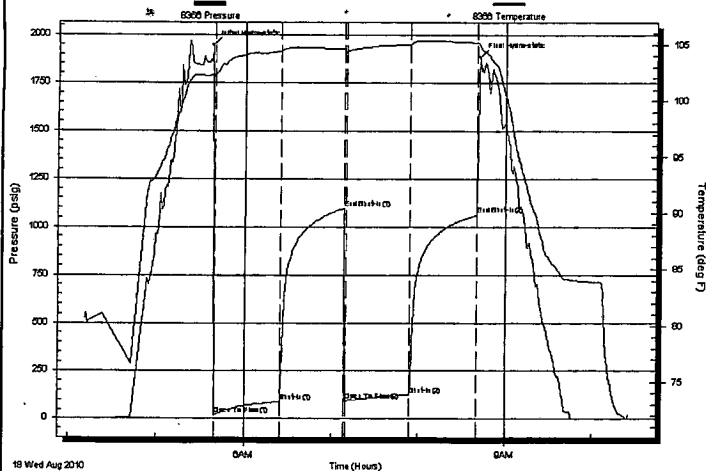
Last Calib.: 2010.08.18

Time On Btm: 2010.08.18 @ 05:38:00

Time Off Btm: 2010.08.18 @ 08:42:00

TEST COMMENT: IF: Blow built to 9 1/2"
IS: Bled off, No blow back
FF: Blow started @ 2 min., built to 6 1/2"
FS: Bled off, No blow back

Pressure vs. Time



PRESSURE SUMMARY

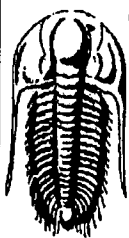
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1947.75	102.24	Initial Hydro-static
2	22.13	102.12	Open To Flow (1)
47	90.23	104.36	Shut-In(1)
91	1096.51	104.64	End Shut-In(1)
92	94.42	104.35	Open To Flow (2)
136	126.23	105.03	Shut-In(2)
183	1063.24	105.19	End Shut-In(2)
184	1887.50	104.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
245.00	MCW 82%w, 18%m	2.33
0.00	Trace Oil in Tool	0.00

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Baird Oil Company, LLC

PO Box 428
Logan, KS 67646

ATTN: Richard Bell

Schemper - Kats Unit #4-6

6 4s 21w Norton KS

Job Ticket: 38387

DST#: 5

Test Start: 2010.08.18 @ 04:11:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:39:30

Time Test Ended: 10:26:00

Interval: **3763.00 ft (KB) To 3813.00 ft (KB) (TVD)**

Total Depth: **3886.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: Good

Test Type: Conventional Straddle

Tester: James Winder

Unit No: 46

Reference Elevations: 2326.00 ft (KB)

2321.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8671 Inside

Press@RunDepth: psig @ 3814.00 ft (KB)

Start Date: 2010.08.18

End Date: 2010.08.18

Start Time: 04:11:05

End Time: 10:27:29

Capacity: 8000.00 psig

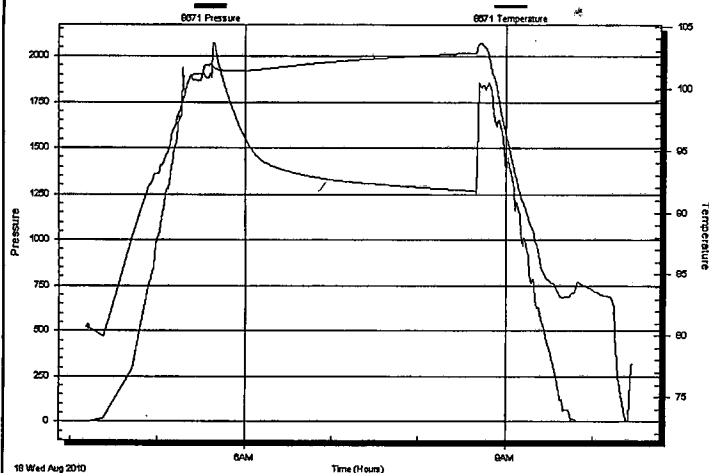
Last Calib.: 2010.08.18

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Blow built to 9 1/2"
IS: Bled off, No blow back
FF: Blow started @ 2 min., built to 6 1/2"
FS: Bled off, No blow back

Pressure vs. Time



18 Wed Aug 2010

0AM

Time (Hours)

0AM

PRESSURE SUMMARY

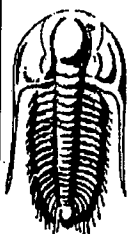
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
-------------	-----------------	--------------	------------

Recovery

Length (ft)	Description	Volume (bbl)
245.00	MCW 82%w, 18% m	2.33
0.00	Trace Oil in Tool	0.00

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOQL DIAGRAM

Baird Oil Company, LLC

Schemper - Kats Unit #4-6

PO Box 428
Logan, KS 67646

6 4s 21w Norton KS

Job Ticket: 38387

DST#: 5

ATTN: Richard Bell

Test Start: 2010.08.18 @ 04:11:00

Tool Information

Drill Pipe:	Length: 3642.00 ft	Diameter: 3.80 inches	Volume: 51.09 bbl	Tool Weight: 3500.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 40000.00 lb
		Total Volume:	51.69 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3763.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	3886.00 ft			
Interval between Packers:	123.00 ft			
Tool Length:	143.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3748.00	
Hydraulic tool	5.00			3753.00	
Packer	5.00			3758.00	20.00 Bottom Of Top Packer
Packer	5.00			3763.00	
Stubb	1.00			3764.00	
Recorder	0.00	8366	Inside	3764.00	
Recorder	0.00	8320	Inside	3764.00	
Perforations	9.00			3773.00	
Blank Spacing	33.00			3806.00	
Perforations	2.00			3808.00	
Blank Off Sub	1.00			3809.00	
Blank Spacing	4.00			3813.00	
Packer - Shale	0.00			3813.00	
Stubb	1.00			3814.00	
Recorder	0.00	8671	Inside	3814.00	
Perforations	4.00			3818.00	
Blank Spacing	65.00			3883.00	
Bullnose	3.00			3886.00	123.00 Bottom Packers & Anchor
Total Tool Length:		143.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Baird Oil Company, LLC

Schemper - Kats Unit #4-6

PO Box 428
Logan, KS 67646

6 4s 21w Norton KS

Job Ticket: 38387

DST#: 5

ATTN: Richard Bell

Test Start: 2010.08.18 @ 04:11:00

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: 245000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
245.00	MCW 82%w, 18%m	2.325
0.00	Trace Oil in Tool	0.000

Total Length: 245.00 ft

Total Volume: 2.325 bbl

Num Fluid Samples: 0

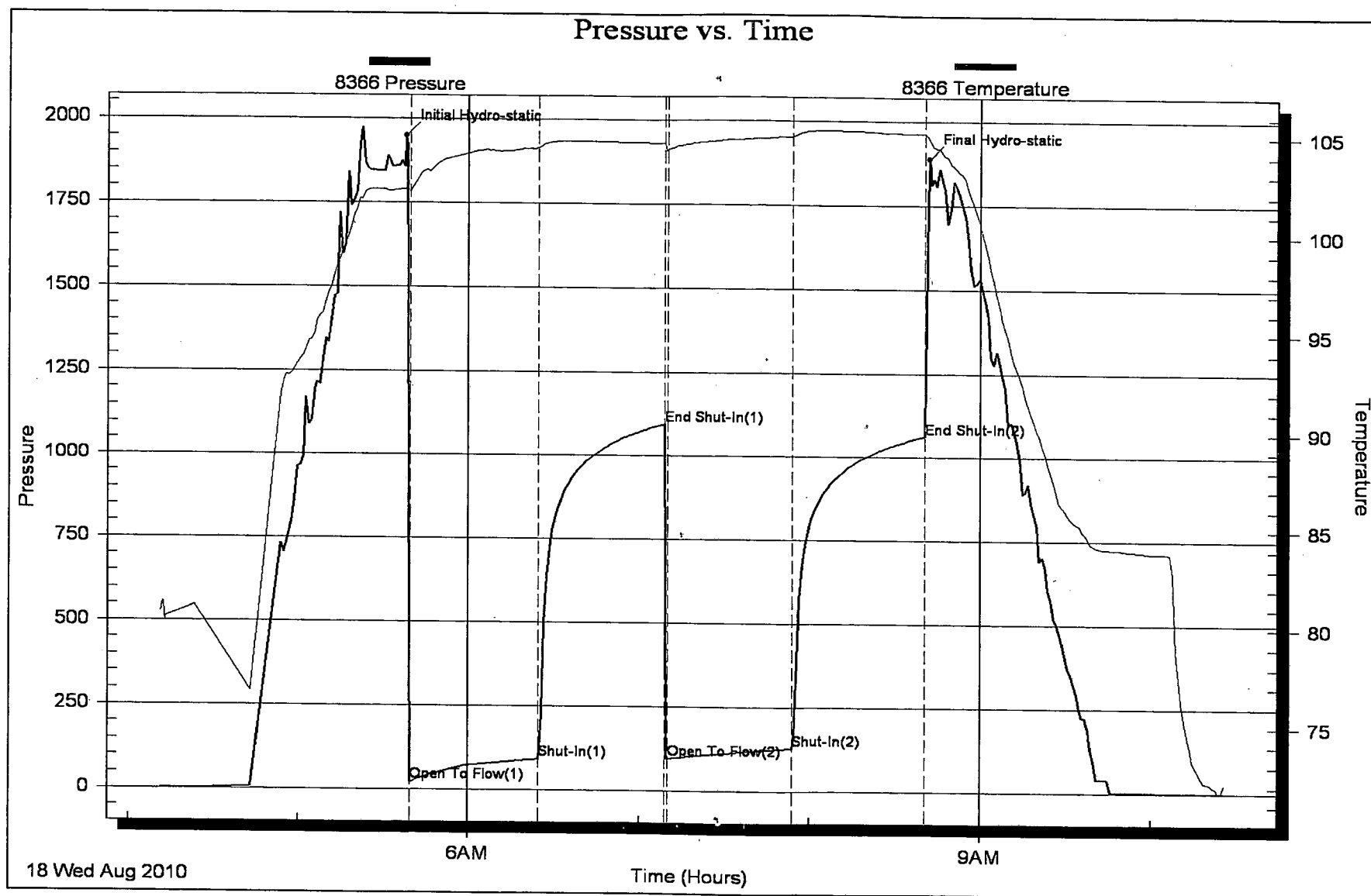
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .273 @ 73.2F = 245000 chlorides



Serial #: 8671

Inside

Baird Oil Company, LLC

6 4s 21w Norton KS

DST Test Number: 5

