

## DRILL STEM TEST REPORT

Prepared For: **Oil Producers Inc.of Kansas**

1710 Waterfront Pkwy  
Wichita, KS 67206

ATTN: Wes Hansen

**6-22-13 Stafford,KS**

**Baier #1-6**

Start Date: 2011.07.18 @ 22:25:16

End Date: 2011.07.19 @ 06:44:16

Job Ticket #: 43544                      DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Oil Producers Inc.of Kansas

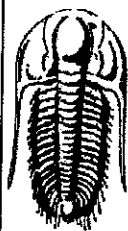
Baier #1-6

6-22-13 Stafford,KS

DST # 1

LKC I-J

2011.07.18



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Oil Producers Inc. of Kansas

**Baier #1-6**

1710 Waterfront Pkwy  
Wichita, KS 67206

**6-22-13 Stafford, KS**

ATTN: Wes Hansen

Job Ticket: 43544

**DST#: 1**

Test Start: 2011.07.18 @ 22:25:16

## GENERAL INFORMATION:

Formation: **LKC I-J**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 00:39:16

Time Test Ended: 06:44:16

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 54

Interval: **3528.00 ft (KB) To 3570.00 ft (KB) (TVD)**

Total Depth: 3570.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1919.00 ft (KB)

1911.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 8673**

**Inside**

Press@RunDepth: 95.69 psig @ 3565.00 ft (KB)

Start Date: 2011.07.18

End Date: 2011.07.19

Capacity: 8000.00 psig

Last Calib.: 2011.07.19

Start Time: 22:25:18

End Time: 06:44:16

Time On Btm: 2011.07.19 @ 00:39:01

Time Off Btm: 2011.07.19 @ 04:34:46

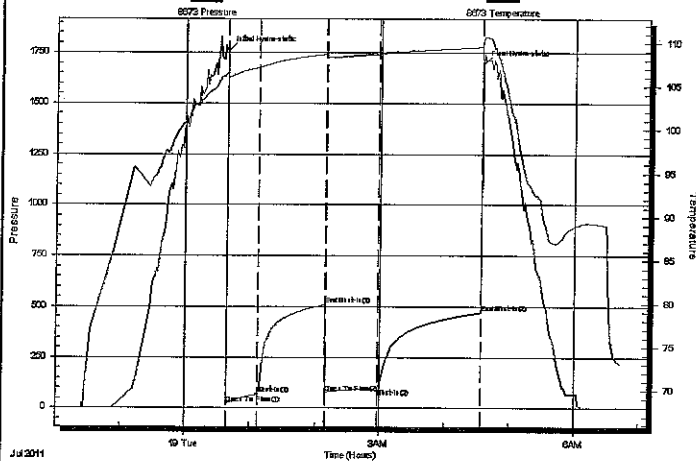
TEST COMMENT: IFF-Good Blow, BOB in 20 Min.

ISI-Dead

FFP-Good Blow, Built to 10"

FSI-Dead

Pressure vs. Time



## PRESSURE SUMMARY

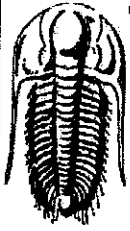
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1762.54	106.51	Initial Hydro-static
1	21.77	105.77	Open To Flow (1)
28	67.29	107.15	Shut-In (1)
90	509.60	108.65	End Shut-In (1)
91	75.00	108.45	Open To Flow (2)
139	95.69	108.73	Shut-In (2)
235	469.18	109.53	End Shut-In (2)
236	1695.71	110.20	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
150.00	Muddy Water-90%W-10%M	0.82

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Oil Producers Inc. of Kansas

**Baier #1-6**

1710 Waterfront Pkwy  
Wichita, KS 67206

**6-22-13 Stafford, KS**

ATTN: Wes Hansen

Job Ticket: 43544

**DST#: 1**

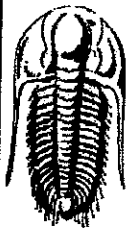
Test Start: 2011.07.18 @ 22:25:16

### Tool Information

Drill Pipe:	Length: 3364.00 ft	Diameter: 3.80 inches	Volume: 47.19 bbl	Tool Weight: 43544.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 141.00 ft	Diameter: 2.25 inches	Volume: 0.69 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 47.88 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3528.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	70.00 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			3501.00	
Shut In Tool	5.00			3506.00	
Hydraulic tool	5.00			3511.00	
Jars	5.00			3516.00	
Safety Joint	2.00			3518.00	
Packer	5.00			3523.00	28.00 Bottom Of Top Packer
Packer	5.00			3528.00	
Stubb	1.00			3529.00	
Perforations	3.00			3532.00	
Change Over Sub	1.00			3533.00	
Blank Spacing	31.00			3564.00	
Change Over Sub	1.00			3565.00	
Recorder	0.00	8673	Inside	3565.00	
Recorder	0.00	6755	Outside	3565.00	
Perforations	2.00			3567.00	
Bullnose	3.00			3570.00	42.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>70.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Oil Producers Inc.of Kansas

**Baier #1-6**

1710 Waterfront Pkwy  
Wichita, KS 67206

**6-22-13 Stafford,KS**

Job Ticket: 43544

**DST#: 1**

ATTN: Wes Hansen

Test Start: 2011.07.18 @ 22:25:16

**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:

60000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5900.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
150.00	Muddy Water-90%W-10%M	0.820

Total Length: 150.00 ft      Total Volume: 0.820 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

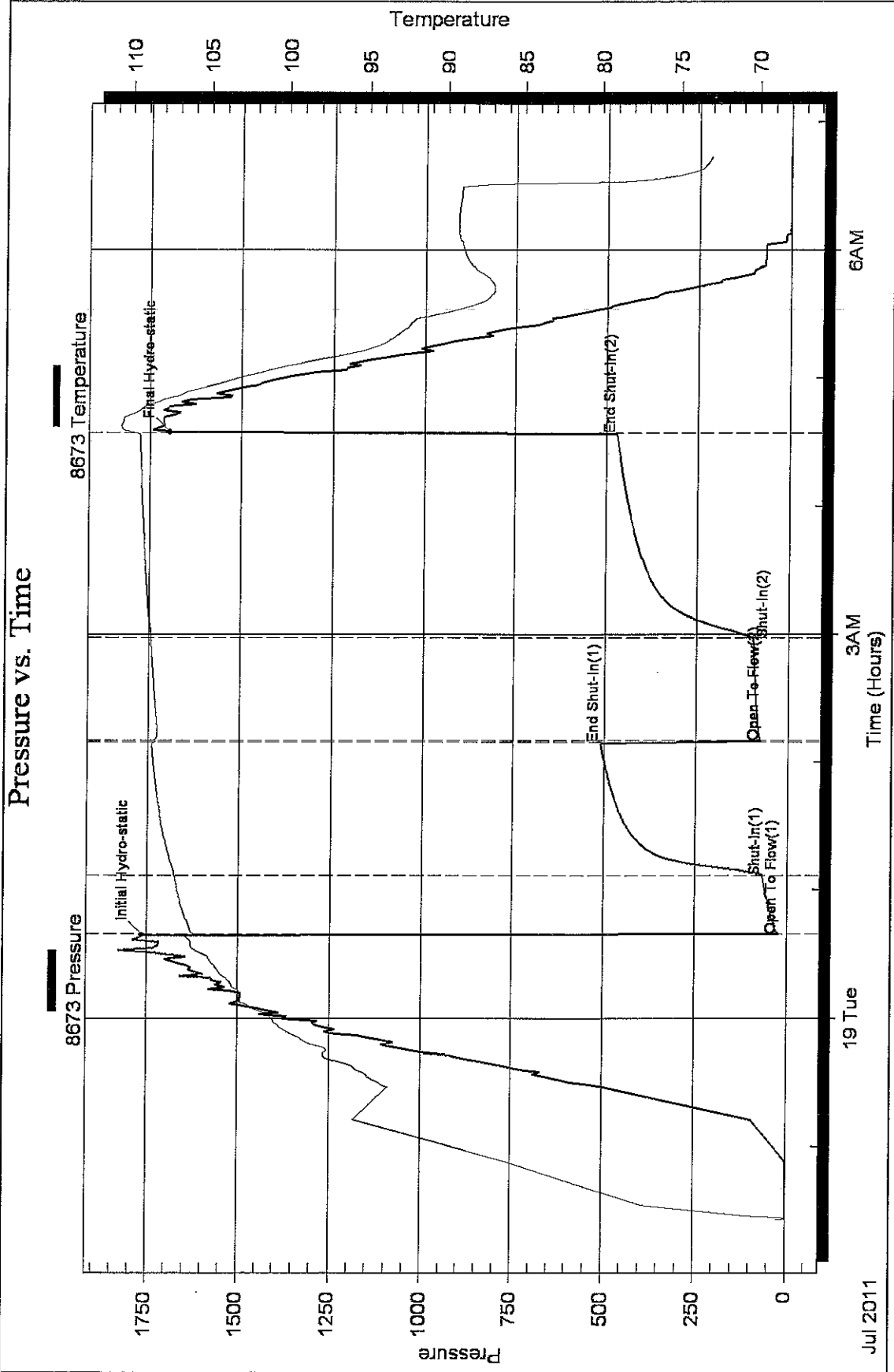
Serial #:

Laboratory Name:

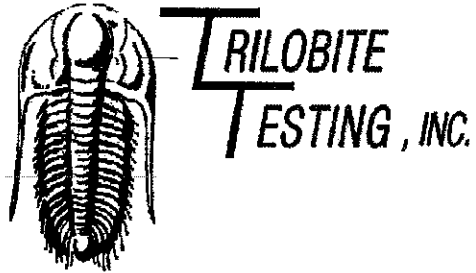
Laboratory Location:

Recovery Comments:

### Pressure vs. Time



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## DRILL STEM TEST REPORT

Prepared For: **Oil Producers Inc.of Kansas**

1710 Waterfront Pkwy  
Wichita, KS 67206

ATTN: Wes Hansen

**6-22-13 Stafford,KS**

**Baier #1-6**

Start Date: 2011.07.21 @ 10:38:15

End Date: 2011.07.21 @ 17:26:45

Job Ticket #: 43930                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Oil Producers Inc.of Kansas

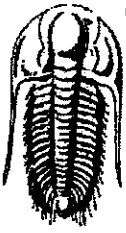
Baier #1-6

6-22-13 Stafford,KS

DST # 2

Arbuckle

2011.07.21



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# DRILL STEM TEST REPORT

Oil Producers Inc. of Kansas

1710 Waterfront Pkwy  
Wichita, KS 67206

ATTN: Wes Hansen

**Baier #1-6**

**6-22-13 Stafford, KS**

Job Ticket: 43930

DST#: 2

Test Start: 2011.07.21 @ 10:38:15

## GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 12:06:00

Time Test Ended: 17:26:45

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 45

Interval: **3610.00 ft (KB) To 3715.00 ft (KB) (TVD)**

Total Depth: 3715.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1919.00 ft (KB)

1911.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 6798**

**Inside**

Press@RunDepth: 946.39 psig @ 3611.00 ft (KB)

Start Date: 2011.07.21

End Date:

2011.07.21

Start Time: 10:38:16

End Time:

17:26:45

Capacity: 8000.00 psig

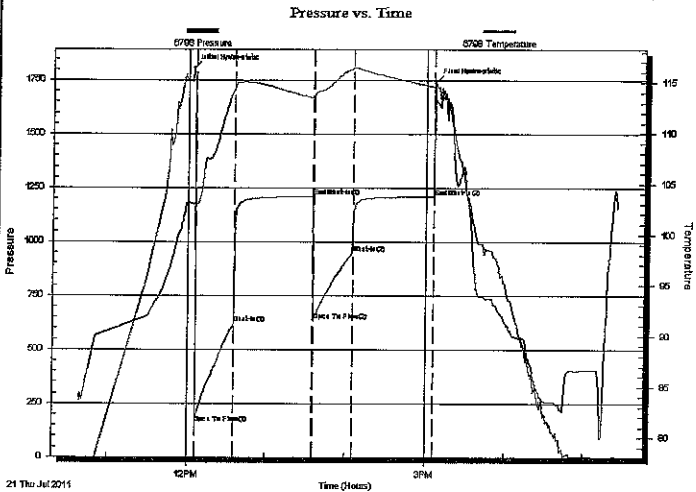
Last Calib.: 2011.07.21

Time On Btm: 2011.07.21 @ 12:04:00

Time Off Btm: 2011.07.21 @ 15:07:00

**TEST COMMENT:** IF: Strong Blow, BOB in 2 minutes  
 IS: Bled Off, No Blow back  
 FF: Strong Blow, BOB in 2 minutes  
 FS: Bled Off, No Blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1804.88	102.96	Initial Hydro-static
2	155.41	102.82	Open To Flow (1)
32	618.59	114.33	Shut-In(1)
92	1210.61	113.49	End Shut-in(1)
92	634.89	113.27	Open To Flow (2)
122	946.39	116.38	Shut-In(2)
182	1209.91	114.59	End Shut-In(2)
183	1741.57	113.37	Final Hydro-static

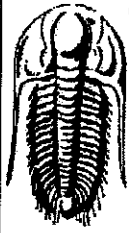
## Recovery

Length (ft)	Description	Volume (bbl)
1894.00	Salt Water	25.28
120.00	SOMCW 2%O 40%M 58%WV	1.68
504.00	SOMCW 5%O 40%M 55%WV	7.07
120.00	WCM 10%W 90%M	1.68

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Oil Producers Inc. of Kansas

**Baier #1-6**

1710 Waterfront Flwy  
Wichita, KS 67206

**6-22-13 Stafford, KS**

Job Ticket: 43930

**DST#: 2**

ATTN: Wes Hansen

Test Start: 2011.07.21 @ 10:38:15

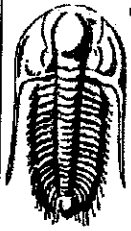
### Tool Information

Drill Pipe:	Length: 3455.00 ft	Diameter: 3.80 inches	Volume: 48.46 bbl	Tool Weight: 43544.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 141.00 ft	Diameter: 2.25 inches	Volume: 0.69 bbl	Weight to Pull Loose: 60000.00 lb
		<b>Total Volume:</b>	<b>49.15 bbl</b>	Tool Chased: ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3610.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	105.00 ft			
Tool Length:	132.00 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			3588.00	
Hydraulic tool	5.00			3593.00	
Jars	5.00			3598.00	
Safety Joint	2.00			3600.00	
Packer	5.00			3605.00	27.00 Bottom Of Top Packer
Packer	5.00			3610.00	
Stubb	1.00			3611.00	
Recorder	0.00	6798	Inside	3611.00	
Recorder	0.00	8367	Outside	3611.00	
Perforations	2.00			3613.00	
Change Over Sub	1.00			3614.00	
Drill Pipe	92.00			3706.00	
Change Over Sub	1.00			3707.00	
Perforations	5.00			3712.00	
Bullnose	3.00			3715.00	105.00 Bottom Packers & Anchor

**Total Tool Length: 132.00**



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Wichita, KS 67206

**6-22-13 Stafford,KS**

Job Ticket: 43930

**DST#: 2**

ATTN: Wes Hansen

Test Start: 2011.07.21 @ 10:38:15

**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:	55000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7300.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
1894.00	Salt Water	25.283
120.00	SOMCW 2%O 40%M 58%VW	1.683
504.00	SOMCW 5%O 40%M 55%VW	7.070
120.00	WCM 10%VW 90%M	1.683

Total Length: 2638.00ft      Total Volume: 35.719 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: RW was .1 @ 100 degrees

### Pressure vs. Time

