

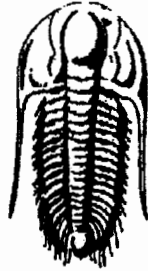
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15-167-23277

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KCC WICHITA



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Imperial American Oper.Inc**

900 N Tyler Rd #1-15
Wichita Ks 67212

ATTN: Hal Porter

31-11s-15w Russell

Julia B Unit 31-1

Start Date: 2005.03.04 @ 19:03:08

End Date: 2005.03.05 @ 01:02:37

Job Ticket #: 20799 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Imperial American Oper.Inc

Julia B Unit 31-1

31-11s-15w Russell

DST # 1

Tor-LKC C

2005.03.04



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Imperial American Oper. Inc

Julia B Unit 31-1

900 N Tyler Rd #1-15
Wichita Ks 67212

31-11s-15w Russell

ATTN: Hal Porter

Job Ticket: 20799

DST#: 1

Test Start: 2005.03.04 @ 19:03:08

GENERAL INFORMATION:

Formation: Tor-LKC C

Deviated: No Whipstock ft (KB)

Time Tool Opened: 20:44:37

Time Test Ended: 01:02:37

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: 2960.00 ft (KB) To 3050.00 ft (KB) (TVD)

Reference Elevations: 1777.00 ft (KB)

Total Depth: 3050.00 ft (KB) (TVD)

1772.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6668

Inside

Press@RunDepth: 85.32 psig @ 2963.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.03.04

End Date:

2005.03.05

Last Calib.: 2005.03.05

Start Time: 19:03:08

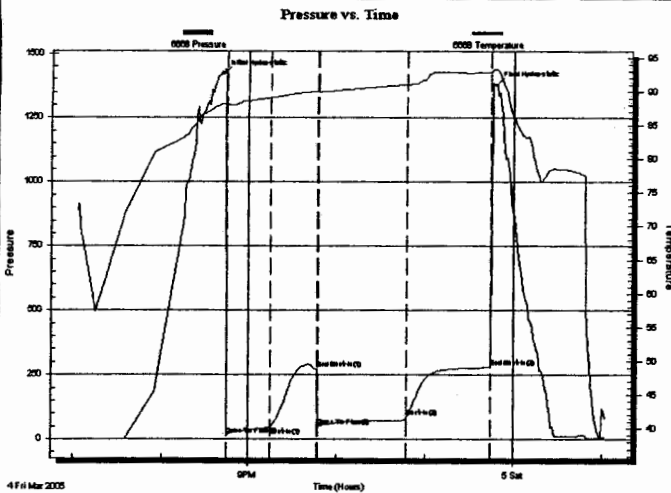
End Time:

01:02:37

Time On Btmr 2005.03.04 @ 20:42:07

Time Off Btmr 2005.03.04 @ 23:47:37

TEST COMMENT: FFP-wk bl thru-out 1/4" to 1 3/4" bl
FFP-wk bl thru-out 1/4" bl
Times 30-30-60-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1420.88	88.11	Initial Hydro-static
3	14.57	88.02	Open To Flow (1)
33	45.79	89.04	Shut-In (1)
65	274.18	90.05	End Shut-In (1)
66	47.29	89.94	Open To Flow (2)
126	85.32	91.00	Shut-In (2)
182	279.42	92.77	End Shut-In (2)
186	1377.15	93.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	SO&GCM 5%gas 4%oil 91%mud	0.32
60.00	SO&GCM 11%gas 5%oil 84%mud	0.34

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oper. Inc

Julia B Unit 31-1

900 N Tyler Rd #1-15
Wichita Ks 67212

31-11s-15w Russell

Job Ticket: 20799

DST#: 1

ATTN: Hal Porter

Test Start: 2005.03.04 @ 19:03:08

Tool Information

Drill Pipe:	Length: 2850.00 ft	Diameter: 3.80 inches	Volume: 39.98 bbl	Tool Weight: 2200.00 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
			<u>Total Volume: 40.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	2960.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.02 ft			
Tool Length:	111.02 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			2940.00	
Shut In Tool	5.00			2945.00	
Hydraulic tool	5.00			2950.00	
Packer	5.00			2955.00	21.00 Bottom Of Top Packer
Packer	5.00			2960.00	
Stubb	1.00			2961.00	
Perforations	1.00			2962.00	
Change Over Sub	1.00			2963.00	
Recorder	0.01	6668	Inside	2963.01	
Blank Spacing	63.00			3026.01	
Change Over Sub	1.00			3027.01	
Recorder	0.01	13534	Outside	3027.02	
Perforations	20.00			3047.02	
Bullnose	3.00			3050.02	90.02 Bottom Packers & Anchor

Total Tool Length: 111.02



DRILL STEM TEST REPORT

Prepared For: **Imperial American Oper.Inc**

900 N Tyler Rd #1-15
Wichita Ks 67212

ATTN: Hal Porter

31-11s-15w Russell

Julia B Unit 31-1

Start Date: 2005.03.05 @ 17:08:31

End Date: 2005.03.05 @ 23:36:00

Job Ticket #: 20800 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

Imperial American Oper. Inc

Julia B Unit 31-1

900 N Tyler Rd #1-15
Wichita Ks 67212

31-11s-15w Russell

ATTN: Hal Porter

Job Ticket: 20800

DST#: 2

Test Start: 2005.03.05 @ 17:08:31

GENERAL INFORMATION:

Formation: LKC H-K

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:04:30

Time Test Ended: 23:36:00

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: 3135.00 ft (KB) To 3235.00 ft (KB) (TVD)

Total Depth: 3235.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1777.00 ft (KB)

1772.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6668

Inside

Press@RunDepth: 93.66 psig @ 3143.01 ft (KB)

Start Date: 2005.03.05

End Date:

2005.03.05

Start Time: 17:08:31

End Time:

23:36:00

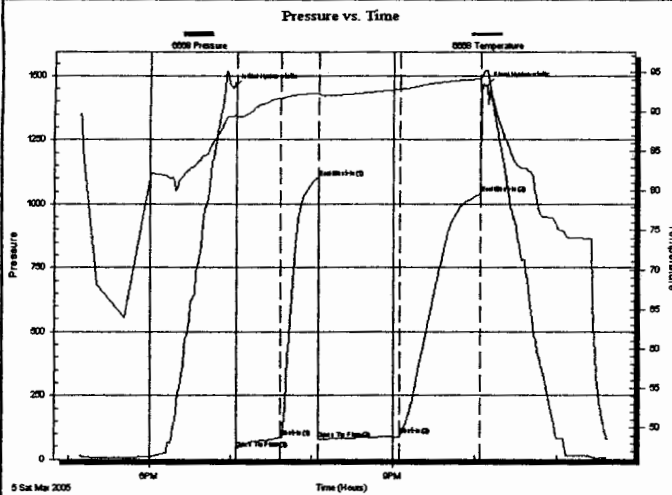
Capacity: 7000.00 psig

Last Calib.: 2005.03.05

Time On Btrr: 2005.03.05 @ 19:02:00

Time Off Btrr: 2005.03.05 @ 22:08:00

TEST COMMENT: FFP-wk to fr 1/2" to 3 1/2" bl
FFP-wk bl thru-out 1/4" to 1/2" bl
Times 30-30-60-60



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1453.24	89.41	Initial Hydro-static
3	39.59	89.43	Open To Flow (1)
35	85.25	91.68	Shut-In(1)
63	1101.33	92.33	End Shut-In(1)
63	78.24	92.14	Open To Flow (2)
123	93.66	92.80	Shut-In(2)
183	1040.14	94.10	End Shut-In(2)
186	1460.68	95.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCM 10%oil 90%mud	0.25
120.00	HO&GCM 5%G 20%O 75%M	1.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Imperial American Oper. Inc

Julia B Unit 31-1

900 N Tyler Rd #1-15
Wichita Ks 67212

31-11s-15w Russell

Job Ticket: 20800

DST#: 2

ATTN: Hal Porter

Test Start: 2005.03.05 @ 17:08:31

Tool Information

Drill Pipe:	Length: 3009.00 ft	Diameter: 3.80 inches	Volume: 42.21 bbl	Tool Weight: 2200.00 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: 40000.00 lb
			<u>Total Volume: 42.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3135.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.02 ft			
Tool Length:	121.02 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			3115.00	
Shut In Tool	5.00			3120.00	
Hydraulic tool	5.00			3125.00	
Packer	5.00			3130.00	21.00 Bottom Of Top Packer
Packer	5.00			3135.00	
Stubb	1.00			3136.00	
Perforations	6.00			3142.00	
Change Over Sub	1.00			3143.00	
Recorder	0.01	6668	Inside	3143.01	
Blank Spacing	63.00			3206.01	
Change Over Sub	1.00			3207.01	
Recorder	0.01	13534	Outside	3207.02	
Perforations	25.00			3232.02	
Bullnose	3.00			3235.02	100.02 Bottom Packers & Anchor

Total Tool Length: 121.02



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Imperial American Oper. Inc

Julia B Unit 31-1

900 N Tyler Rd #1-15
Wichita Ks 67212

31-11s-15w Russell

Job Ticket: 20800

DST#: 2

ATTN: Hal Porter

Test Start: 2005.03.05 @ 17:08:31

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
50.00	OCM 10%oil 90%mud	0.246
120.00	HO&GCM 5%G 20%O 75%M	1.046

Total Length: 170.00 ft Total Volume: 1.292 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 3#LCM

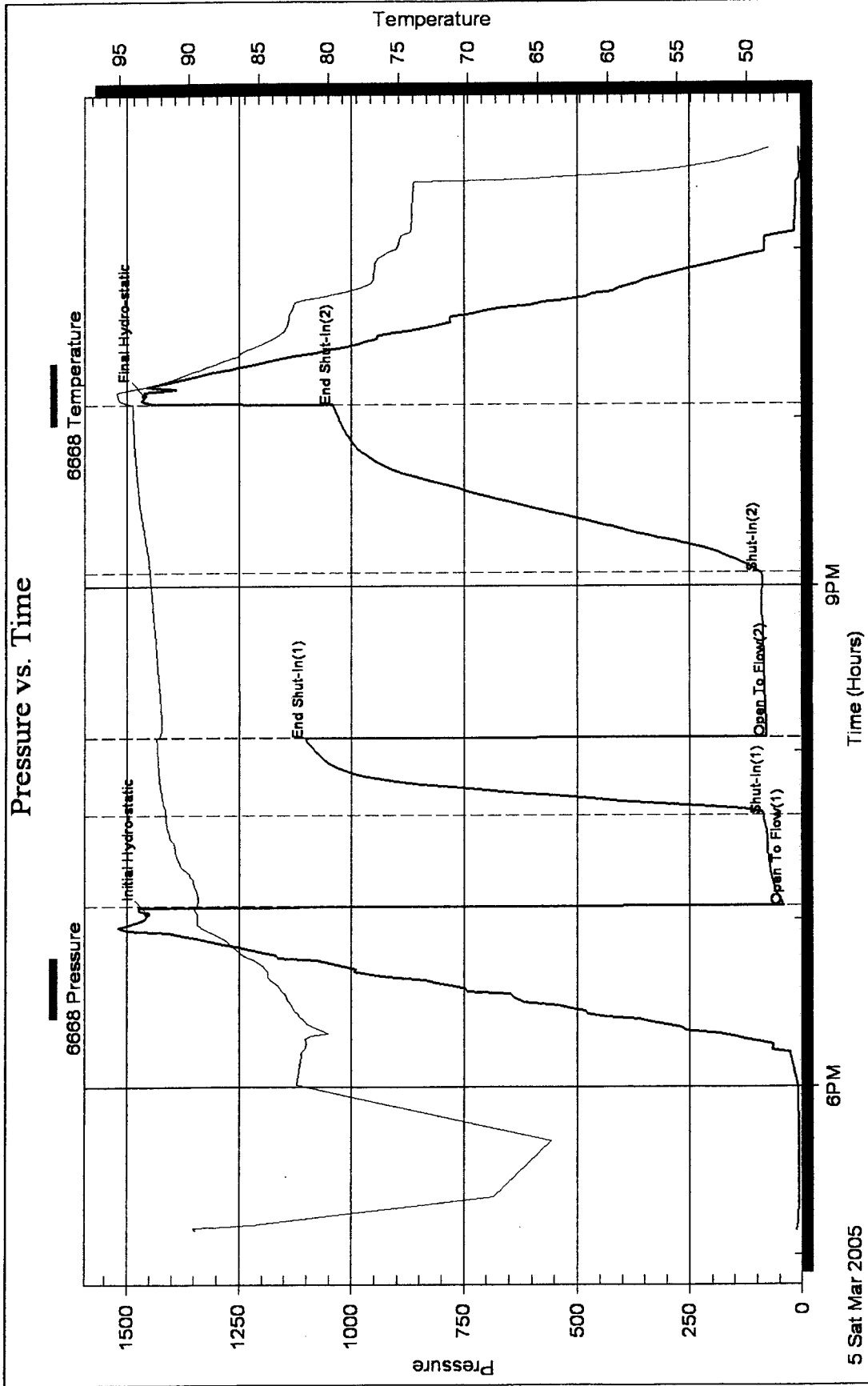
Serial #: 6668

Inside

Imperial American Oper, Inc

31-11s-15w Russell

DST Test Number: 2



5 Sat Mar 2005

6PM

9PM

Time (Hours)