

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **CG Oil**

2550 Airbase Rd.
Victoria, Ks 67671

ATTN: Roger Fisher

20 16S 13W Barton KS

MJR #1

Start Date: 2011.01.17 @ 08:25:36

End Date: 2011.01.17 @ 15:39:06

Job Ticket #: 41826 DST #: 1

**KCC
APR 29 2011
CONFIDENTIAL**

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

**RECEIVED
APR 29 2011
KCC WICHITA**



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

CG Oil

2550 Airbase Rd.
Victoria, Ks 67671

ATTN: Roger Fisher

MJR #1

20 16S 13W Barton KS

Job Ticket: 41826

DST#: 1

Test Start: 2011.01.17 @ 08:25:36

GENERAL INFORMATION:

Formation: LKC "C"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:40:16

Time Test Ended: 15:39:06

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 31

Interval: 3169.00 ft (KB) To 3195.00 ft (KB) (TVD)

Total Depth: 3195.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1958.00 ft (KB)

1950.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8017

Inside

Press@RunDepth: 41.81 psig @ 3170.00 ft (KB)

Start Date: 2011.01.17

End Date:

2011.01.17

Start Time: 08:25:41

End Time:

15:39:05

Capacity: 8000.00 psig

Last Calib.: 2011.01.17

Time On Btm: 2011.01.17 @ 10:40:06

Time Off Btm: 2011.01.17 @ 13:44:45

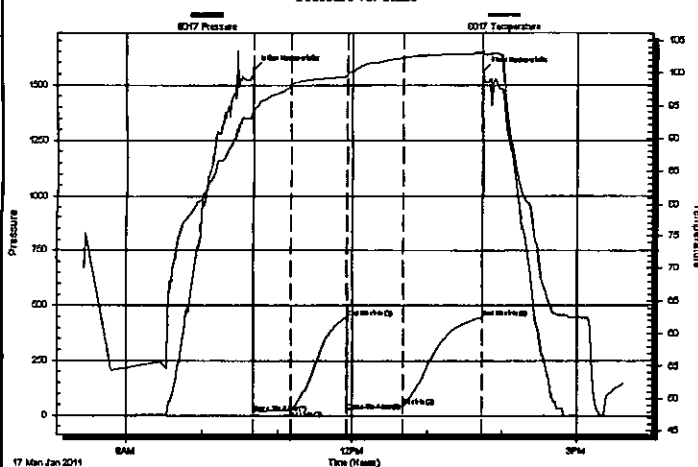
TEST COMMENT: IF-Fair building blow . BOB in 11 minutes 30 seconds.

ISI-Steady weak surface return @ 2 minutes.

FF-Strong building blow . BOB in 2 minutes.

FSI-No Return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1573.12	94.03	Initial Hydro-static
1	13.01	93.16	Open To Flow (1)
31	27.23	97.92	Shut-In (1)
75	447.85	99.51	End Shut-In (1)
76	22.52	99.95	Open To Flow (2)
121	41.81	102.34	Shut-In (2)
184	444.85	103.02	End Shut-In (2)
185	1562.63	103.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	90%Mud/10%Oil	0.15
30.00	50%Oil/40%Gas/5%Water/5%Mud	0.41
30.00	60%Oil/25%Mud/10%Gas/5%Water	0.42
0.00	527' G.I.P.	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (MMcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

OG Oil

MJR #1

2550 Airbase Rd.
Victoria, Ks 67671

20 16S 13W Barton KS

Job Ticket: 41826

DST#: 1

ATTN: Roger Fisher

Test Start: 2011.01.17 @ 08:25:36

Tool Information

Drill Pipe:	Length: 3143.00 ft	Diameter: 3.80 inches	Volume: 44.09 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	14000.00 lb
		Total Volume:	44.24 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3169.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	26.00 ft				
Tool Length:	46.00 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			3154.00	
Hydraulic tool	5.00			3159.00	
Packer	5.00			3164.00	20.00 Bottom Of Top Packer
Packer	5.00			3169.00	
Stubb	1.00			3170.00	
Recorder	0.00	8017	Inside	3170.00	
Recorder	0.00	8352	Outside	3170.00	
Perforations	22.00			3192.00	
Bullnose	3.00			3195.00	26.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

CG Oil

MJR #1

2550 Airbase Rd.
Victoria, Ks 67671

20 16S 13W Barton KS

Job Ticket: 41826

DST#: 1

ATTN: Roger Fisher

Test Start: 2011.01.17 @ 08:25:36

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: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	90%Mud/10%Oil	0.148
30.00	50%Oil/40%Gas/5%Water/5%Mud	0.412
30.00	60%Oil/25%Mud/10%Gas/5%Water	0.421
0.00	527' G.I.P.	0.000

Total Length: 90.00 ft

Total Volume: 0.981 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

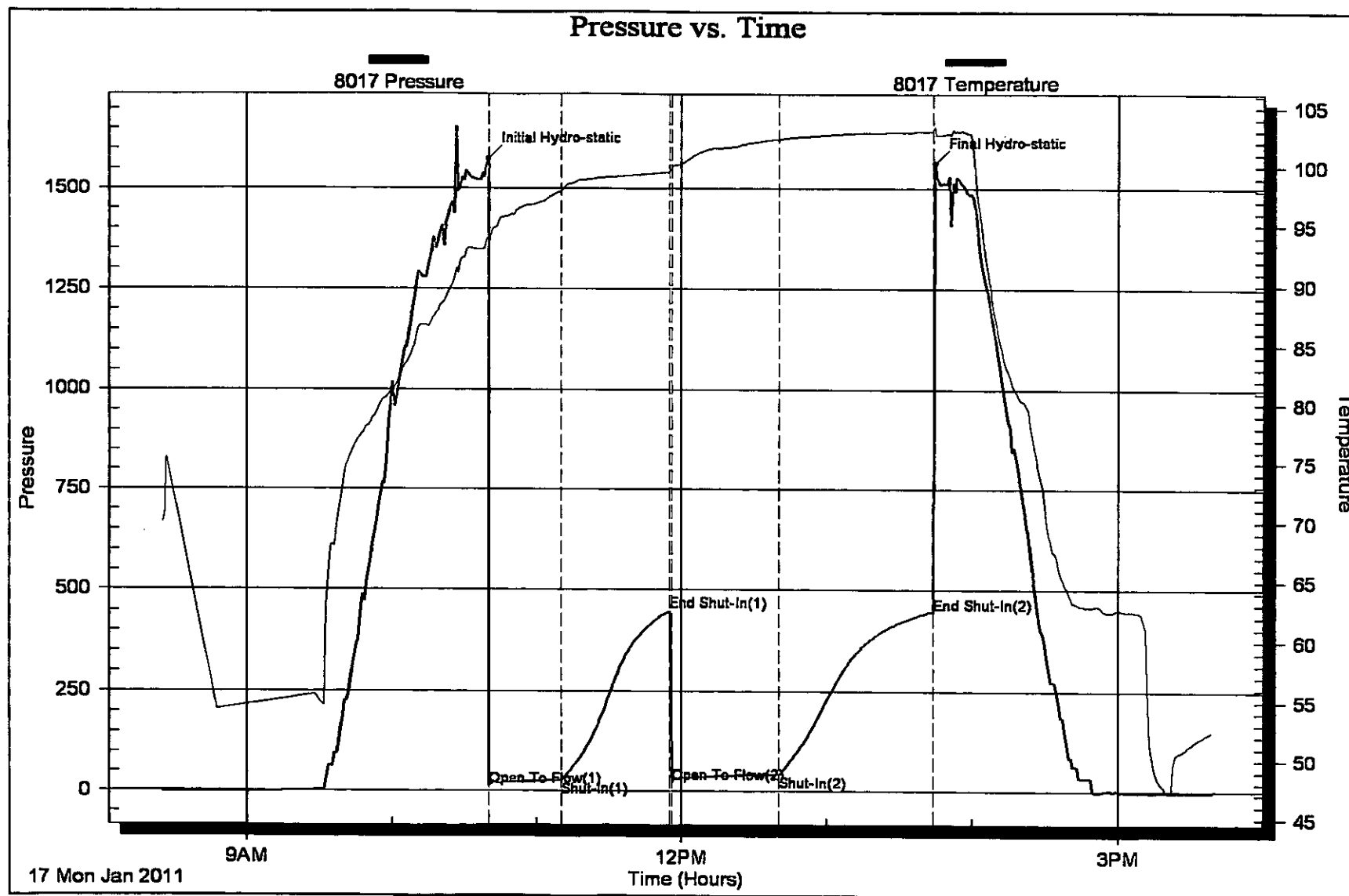
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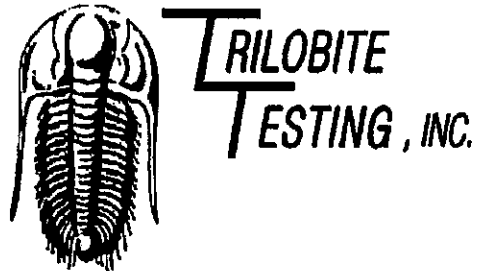
Serial #: 8017

Inside CG Oil

20 16S 13W Barton KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **CG Oil**

2550 Airbase Rd.
Victoria, Ks 67671

ATTN: Roger Fisher

20 16S 13W Barton KS

MJR #1

Start Date: 2011.01.17 @ 22:40:27

End Date: 2011.01.18 @ 04:47:27

Job Ticket #: 41827 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

CG Oil

MJR #1

2550 Airbase Rd.
Victoria, Ks 67671

20 16S 13W Barton KS

Job Ticket: 41827

DST#: 2

ATTN: Roger Fisher

Test Start: 2011.01.17 @ 22:40:27

GENERAL INFORMATION:

Formation: LKC "D&E"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:47:27

Time Test Ended: 04:47:27

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 31

Interval: 3199.00 ft (KB) To 3220.00 ft (KB) (TVD)

Total Depth: 3220.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1958.00 ft (KB)

1950.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8017 Inside

Press@RunDepth: 29.61 psig @ 3200.00 ft (KB)

Start Date: 2011.01.17

End Date:

2011.01.18

Start Time: 22:40:32

End Time:

04:47:26

Capacity: 8000.00 psig

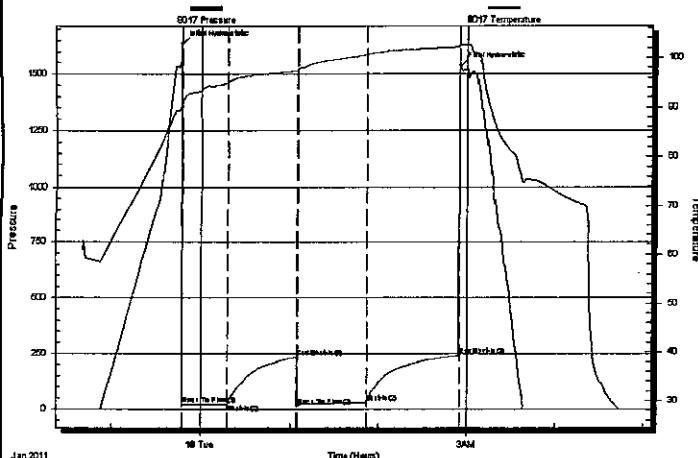
Last Calib.: 2011.01.18

Time On Btm: 2011.01.17 @ 23:47:17

Time Off Btm: 2011.01.18 @ 02:55:07

TEST COMMENT: IF-Fair building blow . BOB in 12 minutes.
ISI-No Return.
FF-Strong building blow . BOB in 15 seconds.
FSI-No Return.

Pressure vs. Time



Jan 2011

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1632.77	90.54	Initial Hydro-static
1	18.78	89.77	Open To Flow (1)
31	21.40	95.04	Shut-In(1)
77	233.25	97.31	End Shut-In(1)
78	13.23	97.63	Open To Flow (2)
124	29.61	100.59	Shut-In(2)
188	240.30	102.09	End Shut-In(2)
188	1535.82	102.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	90%Mud/10%Oil	0.15
30.00	70%Oil/20%Gas/5%Water/5%Mud	0.41
0.00	496' G.I.P.	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

CG Oil

MJR #1

2550 Airbase Rd.
Victoria, Ks 67671

20 16S 13W Barton KS

Job Ticket: 41827

DST#: 2

ATTN: Roger Fisher

Test Start: 2011.01.17 @ 22:40:27

Tool Information

Drill Pipe:	Length: 3173.00 ft	Diameter: 3.80 inches	Volume: 44.51 bbl	Tool Weight:	2000.00 lb	
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb	
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	5000.00 lb	
			Total Volume:	44.66 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	46000.00 lb	
Depth to Top Packer:	3199.00 ft			Final	47000.00 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	
Shut In Tool	5.00			3184.00		
Hydraulic tool	5.00			3189.00		
Packer	5.00			3194.00	20.00	Bottom Of Top Packer
Packer	5.00			3199.00		
Stubb	1.00			3200.00		
Recorder	0.00	8017	Inside	3200.00		
Recorder	0.00	8352	Outside	3200.00		
Perforations	17.00			3217.00		
Bullnose	3.00			3220.00	21.00	Bottom Packers & Anchor
Total Tool Length:	41.00					



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DRILL STEM TEST REPORT

FLUID SUMMARY

CG Oil

MJR #1

2550 Airbase Rd.
Victoria, Ks 67671

20 16S 13W Barton KS

Job Ticket: 41827

DST#: 2

ATTN: Roger Fisher

Test Start: 2011.01.17 @ 22:40:27

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	90%Mud/10%Oil	0.148
30.00	70%Oil/20%Gas/5%Water/5%Mud	0.412
0.00	496' G.I.P.	0.000

Total Length: 60.00 ft

Total Volume: 0.560 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

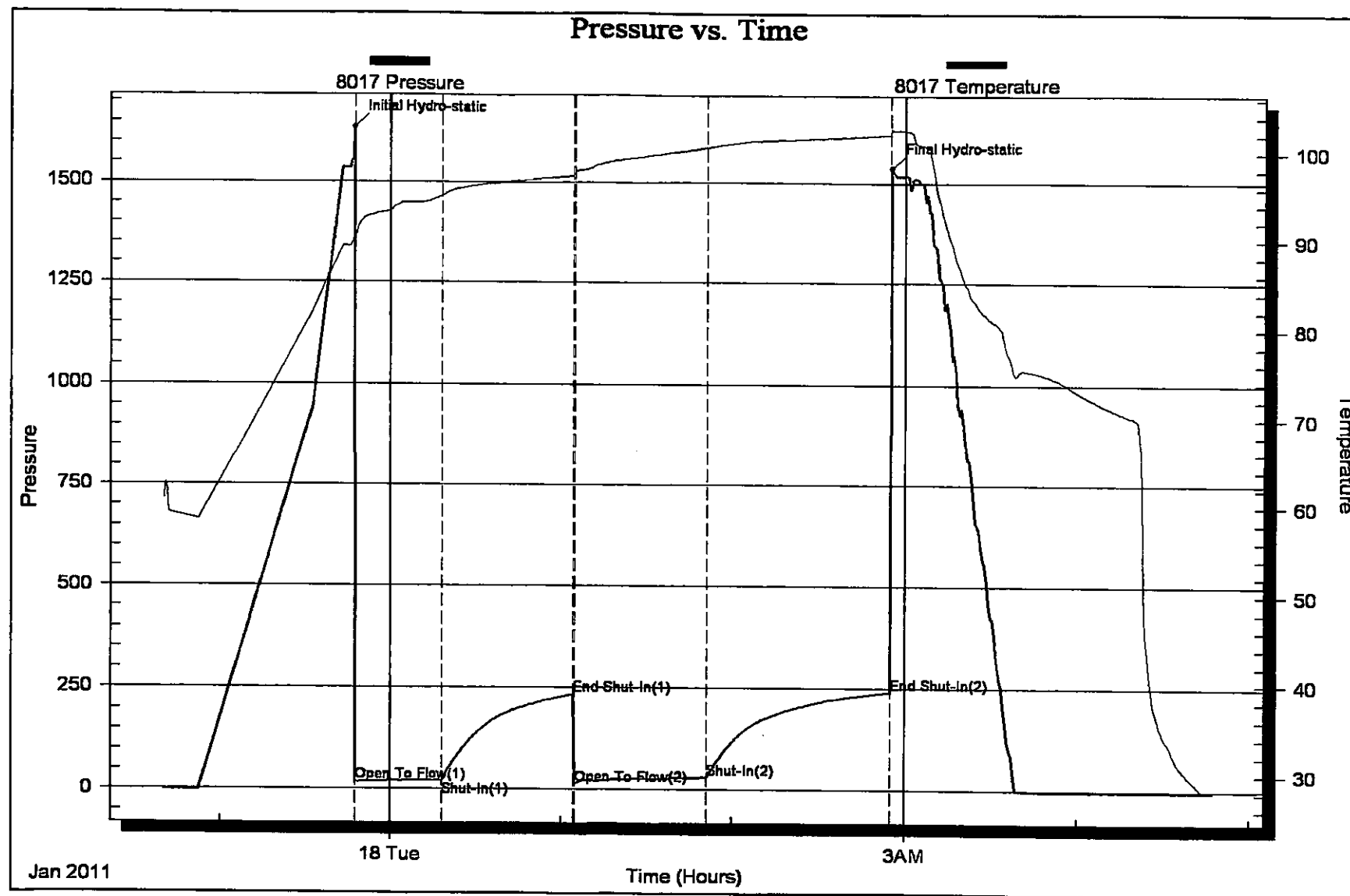
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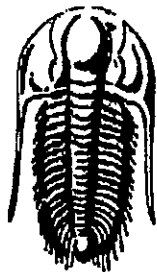
Serial #: 8017

Inside CG Oil

20 16S 13W Barton KS

DST Test Number: 2





TRILOBITE
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DRILL STEM TEST REPORT

Prepared For: **CG Oil**

2550 Airbase Rd.
Victoria, Ks 67671

ATTN: Roger Fisher

20 16S 13W Barton KS

MJR #1

Start Date: 2011.01.18 @ 10:13:01

End Date: 2011.01.18 @ 16:30:01

Job Ticket #: 41828 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
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DRILL STEM TEST REPORT

CG Oil

2550 Airbase Rd.
Victoria, Ks 67671

ATTN: Roger Fisher

MJR #1

20 16S 13W Barton KS

Job Ticket: 41828

DST#: 3

Test Start: 2011.01.18 @ 10:13:01

GENERAL INFORMATION:

Formation: LKC "F"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:46:51

Time Test Ended: 16:30:01

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 31

Interval: 3229.00 ft (KB) To 3238.00 ft (KB) (TVD)

Total Depth: 3238.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1958.00 ft (KB)

1950.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8017

Inside

Press@RunDepth: 37.00 psig @ 3230.00 ft (KB)

Start Date: 2011.01.18

End Date:

2011.01.18

Start Time: 10:13:06

End Time:

16:30:00

Capacity: 8000.00 psig

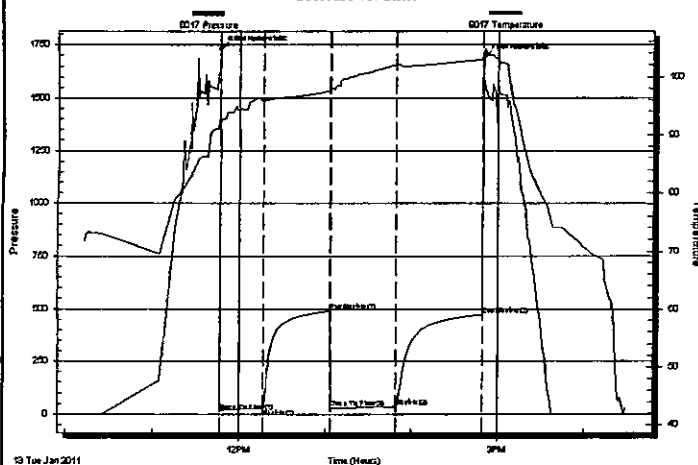
Last Calib.: 2011.01.18

Time On Btm: 2011.01.18 @ 11:46:41

Time Off Btm: 2011.01.18 @ 14:50:01

TEST COMMENT: IF-Weak building blow . Built to 2 inches.
IS-Very weak surface return @ 32 minutes. Died in 2 minutes.
FF-Weak building blow . Built to 2&1/4 inches.
FSI-No Return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1729.40	92.79	Initial Hydro-static
1	15.32	92.08	Open To Flow (1)
31	27.95	95.90	Shut-In(1)
77	488.17	97.59	End Shut-In(1)
77	30.52	97.35	Open To Flow (2)
123	37.00	102.06	Shut-In(2)
183	472.98	102.95	End Shut-In(2)
184	1686.61	103.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	70%Water/30%Mud	0.56

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (MMcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

OG Oil

MJR #1

2550 Airbase Rd.
Victoria, Ks 67671

20 16S 13W Barton KS

Job Ticket: 41828

DST#: 3

ATTN: Roger Fisher

Test Start: 2011.01.18 @ 10:13:01

Tool Information

Drill Pipe:	Length: 3206.00 ft	Diameter: 3.80 inches	Volume: 44.97 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	14000.00 lb
		Total Volume:	45.12 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3229.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	9.00 ft				
Tool Length:	29.00 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			3214.00	
Hydraulic tool	5.00			3219.00	
Packer	5.00			3224.00	20.00 Bottom Of Top Packer
Packer	5.00			3229.00	
Stubb	1.00			3230.00	
Recorder	0.00	8017	Inside	3230.00	
Recorder	0.00	8352	Outside	3230.00	
Perforations	5.00			3235.00	
Bullnose	3.00			3238.00	9.00 Bottom Packers & Anchor
Total Tool Length:	29.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

CG Oil

MJR #1

2550 Airbase Rd.
Victoria, Ks 67671

20 16S 13W Barton KS

Job Ticket: 41828

DST#: 3

ATTN: Roger Fisher

Test Start: 2011.01.18 @ 10:13:01

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:

39000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: 0.35 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	70%Water/30%Mud	0.559

Total Length: 60.00 ft

Total Volume: 0.559 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

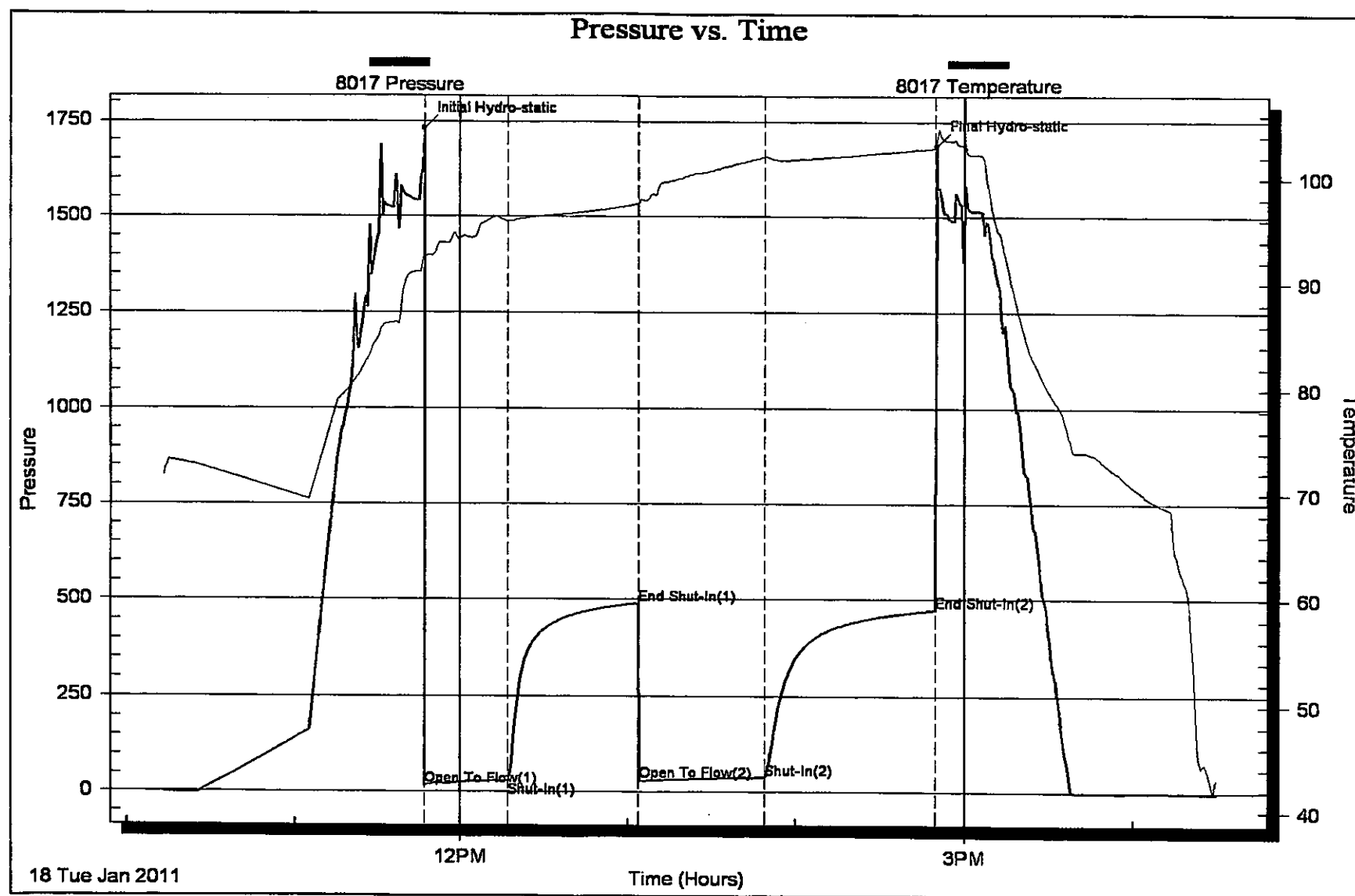
Recovery Comments: RW .35 @ 37F = 39000 chlorides

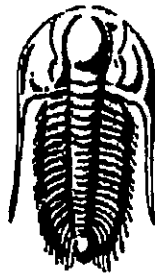
Serial #: 8017

Inside OG Oil

20 16S 13W Barton KS

DST Test Number: 3





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **CG Oil**

2550 Airbase Rd.
Victoria, Ks 67671

ATTN: Roger Fisher

20 16S 13W Barton KS

MJR #1

Start Date: 2011.01.19 @ 08:46:39

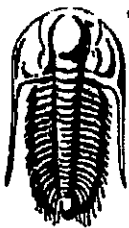
End Date: 2011.01.19 @ 17:52:58

Job Ticket #: 41829 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
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DRILL STEM TEST REPORT

CG Oil

MJR #1

2550 Airbase Rd.
Victoria, Ks 67671

20 16S 13W Barton KS

Job Ticket: 41829

DST#: 4

ATTN: Roger Fisher

Test Start: 2011.01.19 @ 08:46:39

GENERAL INFORMATION:

Formation: Arbuckle

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:26:09

Time Test Ended: 17:52:58

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 31

Interval: 3380.00 ft (KB) To 3390.00 ft (KB) (TVD)

Total Depth: 3390.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1958.00 ft (KB)

1950.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8017

Inside

Press@RunDepth: 953.08 psig @ 3381.00 ft (KB)

Start Date: 2011.01.19

End Date:

2011.01.19

Start Time: 08:46:44

End Time:

17:52:59

Capacity: 8000.00 psig

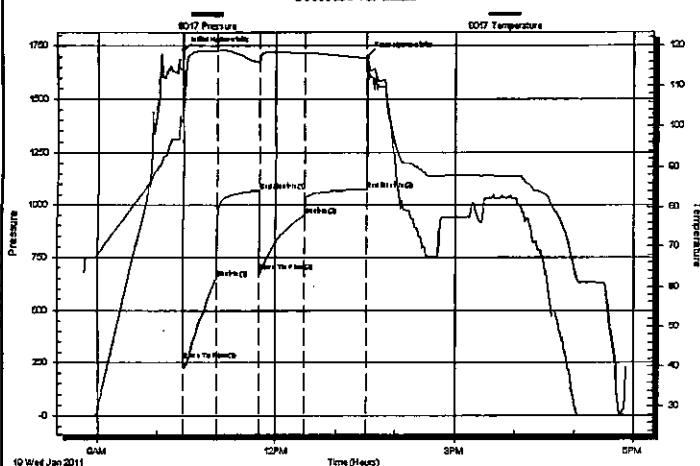
Last Calib.: 2011.01.19

Time On Btm: 2011.01.19 @ 10:25:49

Time Off Btm: 2011.01.19 @ 13:32:18

TEST COMMENT: IF-Strong building blow. BOB in 30 seconds.
ISI-Return in 30 seconds. Built to 1&1/4 inches. Died @ 27 minutes.
FF-Strong building blow. BOB in 30 seconds.
FSI-No Return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1730.04	102.35	Initial Hydro-static
1	266.63	103.14	Open To Flow (1)
34	652.79	118.47	Shut-In(1)
77	1069.55	115.77	End Shut-In(1)
78	681.78	115.51	Open To Flow (2)
123	953.08	118.12	Shut-In(2)
186	1074.23	116.87	End Shut-In(2)
187	1700.33	116.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	50%Water/50%Mud	0.59
62.00	70%Water/30%Mud	0.87
2294.00	60%Oil/40%Gas	32.18
0.00	124' G.I.P.	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

CG Oil

MJR #1

2550 Airbase Rd.
Victoria, Ks 67671

20 16S 13W Barton KS

Job Ticket: 41829

DST#: 4

ATTN: Roger Fisher

Test Start: 2011.01.19 @ 08:46:39

Tool Information

Drill Pipe:	Length: 3361.00 ft	Diameter: 3.80 inches	Volume: 47.15 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	14000.00 lb
		Total Volume:	47.30 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3380.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	30.00 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			3365.00	
Hydraulic tool	5.00			3370.00	
Packer	5.00			3375.00	20.00 Bottom Of Top Packer
Packer	5.00			3380.00	
Stubb	1.00			3381.00	
Recorder	0.00	8017	Inside	3381.00	
Recorder	0.00	8352	Outside	3381.00	
Perforations	6.00			3387.00	
Bullnose	3.00			3390.00	10.00 Bottom Packers & Anchor
Total Tool Length:	30.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

CG Oil

MJR #1

2550 Airbase Rd.
Victoria, Ks 67671

20 16S 13W Barton KS

Job Ticket: 41829

DST#: 4

ATTN: Roger Fisher

Test Start: 2011.01.19 @ 08:46:39

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

34000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: 0.57 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	50%Water/50%Mud	0.587
62.00	70%Water/30%Mud	0.870
2294.00	60%Oil/40%Gas	32.179
0.00	124' G.I.P.	0.000

Total Length: 2418.00 ft Total Volume: 33.636 bbl

Num Fluid Samples: 0

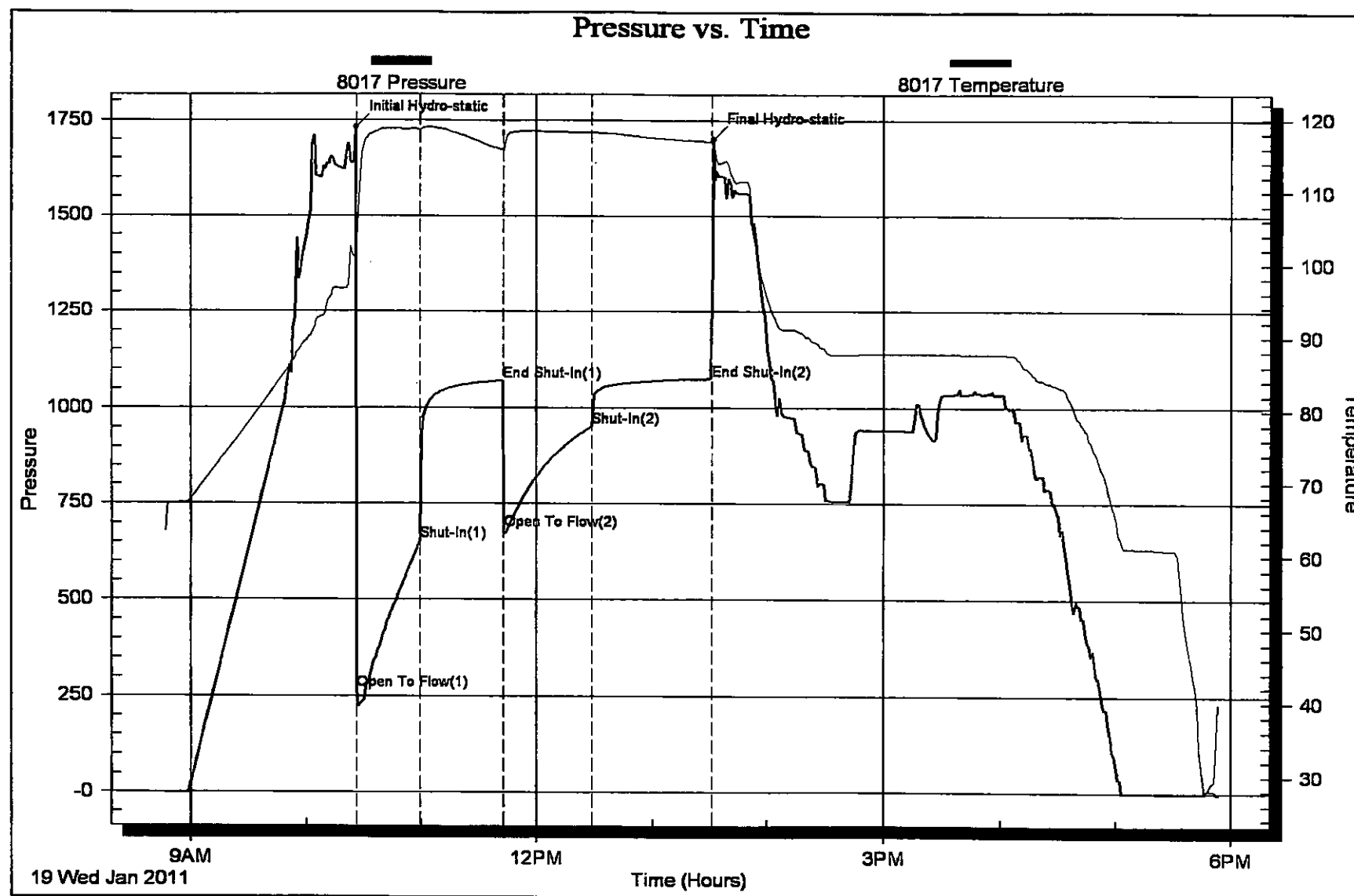
Num Gas Bombs: 0

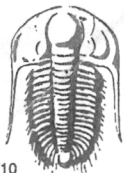
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .57 @ 18F = 34000 ppm chlorides





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Test Ticket

NO. 041826 15300

Well Name & No. MJR #1 Test No. 1 Date 1-17-10
 Company CGO Elevation 1956 KB 1950 GL
 Address 2550 Airbase Rd. Victoria, KS 67671
 Co. Rep / Geo. Roger Fisher Rig Discovery 2
 Location: Sec. 20 Twp. 16S Rge. 13W Co. Barton State KS

Interval Tested 3169-3195 Zone Tested LKC 'C'
 Anchor Length 26' Drill Pipe Run 3143 Mud Wt. 8.9
 Top Packer Depth 3164 Drill Collars Run 31 Vis 57
 Bottom Packer Depth 3169 Wt. Pipe Run 0 WL 7.8
 Total Depth 3195 Chlorides 2600 ppm System LCM 2#

Blow Description IF- Fair building blow. BOB in 11 minutes 30 seconds.
ISI- Steady weak surface return @ 2 minutes.
FF- Strong building blow. BOB in 2 minutes.
ESI- No Return

Rec	Feet of	%gas	%oil	%water	%mud
30	O/M/G/W	10	60	5	25
30	O/G/M/W	40	50	5	5
30	Oil Mud - 80CM	%gas	10	%oil	90
	527' G.I.P.	%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud

Rec Total 90 BHT 103 Gravity 1125 API RW @ °F Chlorides ppm

Test	Value	Test	Value
(A) Initial Hydrostatic	<u>1573</u>	T-On Location	<u>0620</u>
(B) First Initial Flow	<u>13</u>	T-Started	<u>0900</u>
(C) First Final Flow	<u>27</u>	T-Open	<u>1040</u>
(D) Initial Shut-In	<u>448</u>	T-Pulled	<u>1005/1340</u>
(E) Second Initial Flow	<u>23</u>	T-Out	<u>1530</u>
(F) Second Final Flow	<u>42</u>	Comments	<u>120</u>
(G) Final Shut-In	<u>445</u>		
(H) Final Hydrostatic	<u>1563</u>		

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

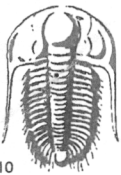
☒ Test 1125
☐ Jars
☐ Safety Joint
☐ Circ Sub
☐ Hourly Standby
☒ Mileage 48X2 90RT
☐ Sampler
☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
 Sub Total 1245

☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
 Sub Total 0
 Total 1245
 MP/DST Disc't

Approved By

Our Representative

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BY: _____

Test Ticket

NO. 041827

Well Name & No. <u>MJR #1</u>	Test No. <u>2</u>	Date <u>1-17-11</u>
Company <u>C GOM</u>	Elevation <u>1958</u>	KB <u>1950</u> GL
Address <u>2550 Airbase Rd. Victoria, KS 67671</u>		
Co. Rep / Geo. <u>Roger Fisher</u>	Rig <u>Discovery 2</u>	
Location: Sec. <u>20</u> Twp. <u>16S</u> Rge. <u>BW</u>	Co. <u>Barton</u>	State <u>KS</u>

Interval Tested <u>3199-3220</u>	Zone Tested <u>LKC "DHE"</u>
Anchor Length <u>21'</u>	Drill Pipe Run <u>3173</u>
Top Packer Depth <u>3194</u>	Drill Collars Run <u>31</u>
Bottom Packer Depth <u>3199</u>	Wt. Pipe Run <u>0</u>
Total Depth <u>3220</u>	Chlorides <u>2600</u> ppm System LCM <u>2#</u>

Blow Description FF- Fair building blow. BOB in 12 minutes,
FF- No Return,
FF- Strong building blow. BOB in 15 seconds,
FF- No Return.

Rec <u>30</u>	Feet of <u>O/G/W/M</u>	<u>20</u> %gas	<u>70</u> %oil	<u>5</u> %water	<u>5</u> %mud
Rec <u>30</u>	Feet of <u>SOCM</u>	%gas	<u>10</u> %oil	%water	<u>90</u> %mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of <u>496' G.I.P.</u>	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total <u>60</u>	BHT <u>102</u>	Gravity _____	API RW _____	@ _____ °F	Chlorides _____ ppm
(A) Initial Hydrostatic <u>1633</u>	☒ Test <u>1125</u>	T-On Location <u>2210</u>			
(B) First Initial Flow <u>19</u>	☐ Jars _____	T-Started <u>2245</u>			
(C) First Final Flow <u>21</u>	☐ Safety Joint _____	T-Open <u>2348</u>			
(D) Initial Shut-In <u>233</u>	☐ Circ Sub _____	T-Pulled <u>0255</u>			
(E) Second Initial Flow <u>13</u>	☐ Hourly Standby _____	T-Out <u>0445</u>			
(F) Second Final Flow <u>30</u>	☒ Mileage <u>48 X 2 96 RT</u>	Comments <u>120</u>			
(G) Final Shut-In <u>240</u>	☐ Sampler _____				
(H) Final Hydrostatic <u>1536</u>	☐ Straddle _____	☐ Ruined Shale Packer _____			

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

☐ Shale Packer _____
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____
 Sub Total 1245

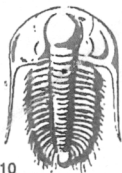
☐ Ruined Packer _____
☐ Extra Copies _____
 Sub Total 0
 Total 1245
 MP/DST Disc't _____

Approved By _____

Our Representative _____

D. Rask

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Test Ticket

NO. 041828

Well Name & No. MJR #1 Test No. 3 Date 1-18-11
Company CGO Elevation 1958 KB 1950 GL
Address 2550 Airbase Rd. Victoria KS 67671
Co. Rep / Geo. Roger Fisher Rig Discovery 2
Location: Sec. 20 Twp. 16S Rge. 13W Co. Barton State KS

Interval Tested 3229-3238 Zone Tested LKC "F"
Anchor Length 9' Drill Pipe Run 3206 Mud Wt. 9.0
Top Packer Depth 3224 Drill Collars Run 31 Vis 54
Bottom Packer Depth 3229 Wt. Pipe Run 0 WL 7.8
Total Depth 3238 Chlorides 2800 ppm System LCM 2#

Blow Description IF - Weak building blow, Built to 2 inches.
VF - Very weak surface return @ 32 minutes. Died after 2 minutes.
FF - Weak building blow, Built to 2 1/4 inches.
FR - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>Muddy Water</u>			<u>70</u>	<u>30</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

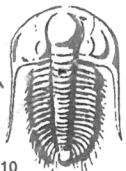
Rec Total 60 BHT 103 Gravity ✓ API RW 135 @ 37 °F Chlorides 39000 ppm
(A) Initial Hydrostatic 1729 ☒ Test 1125 T-On Location 0930
(B) First Initial Flow 15 ☐ Jars 1015
(C) First Final Flow 28 ☐ Safety Joint 1158
(D) Initial Shut-In 488 ☐ Circ Sub 1500
(E) Second Initial Flow 31 ☐ Hourly Standby 1630
(F) Second Final Flow 37 ☒ Mileage 48X2 96 RT Comments 120
(G) Final Shut-In 473 ☐ Sampler
(H) Final Hydrostatic 1687 ☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility

Initial Open 30 ☐ Ruined Shale Packer
Initial Shut-In 45 ☐ Ruined Packer
Final Flow 45 ☐ Extra Copies
Final Shut-In 60 Sub Total 8
Total 1245
MP/DST Disc't

Sub Total 1245

Approved By Our Representative D. Rash

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BY:

Test Ticket

NO. 041829

Well Name & No. MJR #1 Test No. 4 Date 1-19-11
Company CGOI Elevation 1958 KB 1950 GL
Address 2550 Arubase Rd. Victoria, KS 67671
Co. Rep / Geo. Roger Fichter Rig Discovery 2
Location: Sec. 20 Twp. 16S Rge. 13W Co. Barton State KS

Interval Tested 3380-3390 Zone Tested Aubuckle
Anchor Length 10' Drill Pipe Run 3361 Mud Wt. 9.1
Top Packer Depth 3375 Drill Collars Run 31 Vis 53
Bottom Packer Depth 3380 Wt. Pipe Run 0 WL 7.8
Total Depth 3390 Chlorides 3200 ppm System LCM 1 #

Blow Description FF-Strong holding blow. BOB in 30 seconds.
FF-Return in 30 seconds. Built to 1 1/4 inches. Died @ 27 minutes
FF-Strong holding blow. BOB in 30 seconds.
FF-No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>2294</u>	<u>Cassy O.I.</u>	<u>40</u>	<u>60</u>		
<u>62</u>	<u>Muddy Water</u>			<u>70</u>	<u>30</u>
<u>62</u>	<u>Muddy Water</u>			<u>50</u>	<u>50</u>
	<u>124' G.I.P.</u>				
	<u>Dropped Bar</u>				

Rec Total 2418 BHT 117 Gravity 38 API RW 157 @ 18 °F Chlorides 34,000 ppm

(A) Initial Hydrostatic	(B) First Initial Flow	(C) First Final Flow	(D) Initial Shut-In	(E) Second Initial Flow	(F) Second Final Flow	(G) Final Shut-In	(H) Final Hydrostatic
<u>1730</u>	<u>267</u>	<u>653</u>	<u>1070</u>	<u>682</u>	<u>953</u>	<u>1074</u>	<u>1700</u>

Initial Open	Initial Shut-In	Final Flow	Final Shut-In
<u>30</u>	<u>4.5</u>	<u>45</u>	<u>60</u>

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