

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mid Continent Resources Inc.**

Box 399
Garden City KS 67846

ATTN: Scott Corsair

23/19/22

Gillig #4-23

Start Date: 2006.02.07 @ 07:30:13

End Date: 2006.02.07 @ 15:47:43

Job Ticket #: 22921 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Mid Continent Resources Inc.

Gillig #4-23

23/19/22

DST # 1

Cherokee

2006.02.07



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mid Continent Resources Inc.

Gillig #4-23

Box 399
Garden City KS 67846

23/19/22

Job Ticket: 22921

DST#: 1

ATTN: Scott Corsair

Test Start: 2006.02.07 @ 07:30:13

GENERAL INFORMATION:

Formation: **Cherokee**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 10:31:58
 Time Test Ended: 15:47:43

Test Type: Conventional Bottom Hole
 Tester: Harley Davidson
 Unit No: 33

Interval: **4275.00 ft (KB) To 4300.00 ft (KB) (TVD)**
 Total Depth: 4300.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches Hole Condition: Fair

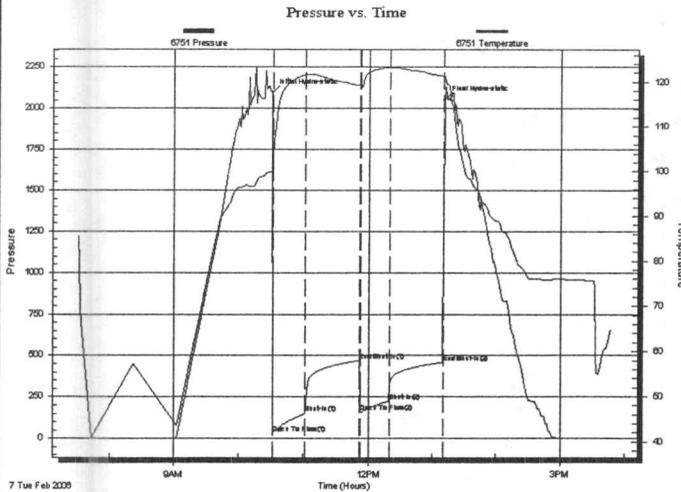
Reference Elevations: 2244.00 ft (KB)
 2240.00 ft (CF)
 KB to GR/CF: 4.00 ft

Serial #: 6751 Inside

Press@RunDepth: 224.80 psig @ 4277.00 ft (KB)
 Start Date: 2006.02.07 End Date: 2006.02.07
 Start Time: 07:30:14 End Time: 15:47:43

Capacity: 7000.00 psig
 Last Calib.: 1899.12.30
 Time On Btm: 2006.02.07 @ 10:30:58
 Time Off Btm: 2006.02.07 @ 13:10:58

TEST COMMENT: IF- Good building blow, BOB 6min. "No GTS".
 IS- Blow back weak built to 1" into bucket.
 FF- Weak building blow, BOB 20min. "No GTS".
 FS- Weak blow back, built to 1/2" into bucket.



PRESSURE SUMMARY

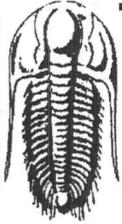
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2096.92	100.03	Initial Hydro-static
1	33.39	102.64	Open To Flow (1)
31	151.16	121.69	Shut-In(1)
81	470.00	119.15	End Shut-In(1)
82	158.03	118.94	Open To Flow (2)
109	224.80	123.15	Shut-In(2)
160	458.27	121.29	End Shut-In(2)
160	2051.72	121.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100% oil.	0.28
430.00	MCW 15%M 85%w ater.	6.03

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mid Continent Resources Inc.

Gillig #4-23

Box 399
Garden City KS 67846

23/19/22

Job Ticket: 22921

DST#: 1

ATTN: Scott Corsair

Test Start: 2006.02.07 @ 07:30:13

Tool Information

Drill Pipe:	Length: 4258.00 ft	Diameter: 3.80 inches	Volume: 59.73 bbl	Tool Weight: 1800.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 59.73 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4275.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4249.00	
Shut In Tool	5.00			4254.00	
Hydraulic tool	5.00			4259.00	
Jars	5.00			4264.00	
Safety Joint	2.00			4266.00	
Packer	5.00			4271.00	27.00 Bottom Of Top Packer
Packer	4.00			4275.00	
Stubb	1.00			4276.00	
Perforations	1.00			4277.00	
Recorder	0.00	6751	Inside	4277.00	
Perforations	18.00			4295.00	
Recorder	0.00	6724	Outside	4295.00	
Bullnose	4.00			4299.00	24.00 Bottom Packers & Anchor

Total Tool Length: 51.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Mid Continent Resources Inc.

Gillig #4-23

Box 399
Garden City KS 67846

23/19/22

Job Ticket: 22921

DST#: 1

ATTN: Scott Corsair

Test Start: 2006.02.07 @ 07:30:13

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:

23000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.69 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	100% oil.	0.281
430.00	MCW 15%M 85%w ater.	6.032

Total Length: 450.00 ft Total Volume: 6.313 bbl

Num Fluid Samples: 0

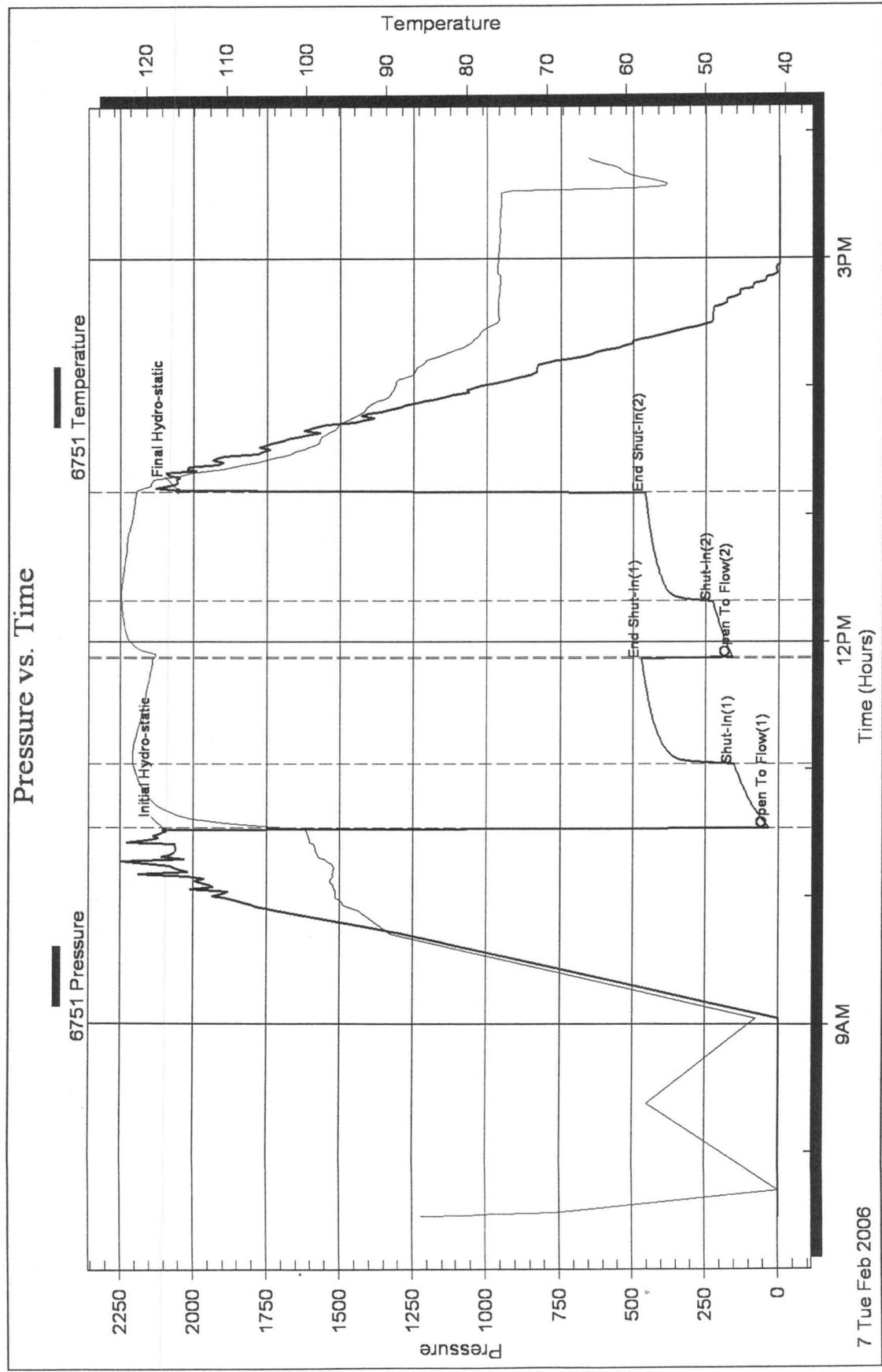
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Mid Continent Resources Inc.**

Box 399
Garden City KS 67846

ATTN: Scott Corsair

23/19/22

Gillig #4-23

Start Date: 2006.02.08 @ 05:30:47

End Date: 2006.02.08 @ 14:00:32

Job Ticket #: 22922 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Mid Continent Resources Inc.

Gillig #4-23

23/19/22

DST # 2

Mississippi

2006.02.08



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mid Continent Resources Inc.

Gillig #4-23

Box 399
Garden City KS 67846

23/19/22

Job Ticket: 22922

DST#: 2

ATTN: Scott Corsair

Test Start: 2006.02.08 @ 05:30:47

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:53:32
 Time Test Ended: 14:00:32

Test Type: Conventional Bottom Hole
 Tester: Harley Davidson
 Unit No: 33

Interval: **4308.00 ft (KB) To 4388.00 ft (KB) (TVD)**
 Total Depth: 4388.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2244.00 ft (KB)
 2240.00 ft (CF)
 KB to GR/CF: 4.00 ft

Serial #: 6751

Inside

Press@RunDepth: 68.71 psig @ 4374.00 ft (KB)

Start Date: 2006.02.08

End Date:

2006.02.08

Start Time: 05:30:48

End Time:

14:00:32

Capacity: 7000.00 psig

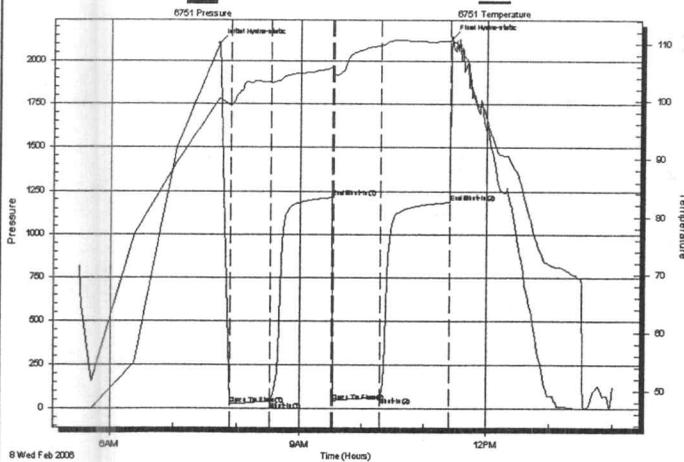
Last Calib.: 1899.12.30

Time On Btm: 2006.02.08 @ 07:42:47

Time Off Btm: 2006.02.08 @ 11:26:32

TEST COMMENT: IF- Weak building blow, built to 7" in bucket.
 IS- No blow back.
 FF- Weak building blow, built to 6" in bucket.
 FS- No blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2104.98	100.59	Initial Hydro-static
11	24.20	99.14	Open To Flow (1)
49	41.12	103.29	Shut-In(1)
108	1212.88	105.83	End Shut-In(1)
109	41.73	104.85	Open To Flow (2)
156	68.71	109.78	Shut-In(2)
222	1185.68	110.51	End Shut-In(2)
224	2134.41	110.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	650 GIP	0.00
124.00	GOCM 5% gas, 5% oil, 90% mud.	1.74

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mid Continent Resources Inc.

Gillig #4-23

Box 399
Garden City KS 67846

23/19/22

Job Ticket: 22922

DST#: 2

ATTN: Scott Corsair

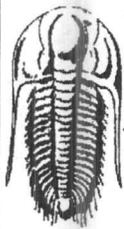
Test Start: 2006.02.08 @ 05:30:47

Tool Information

Drill Pipe:	Length: 4296.00 ft	Diameter: 3.80 inches	Volume: 60.26 bbl	Tool Weight: 1800.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 60.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 5800.00 lb
Depth to Top Packer:	4308.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	107.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4282.00	
Shut In Tool	5.00			4287.00	
Hydraulic tool	5.00			4292.00	
Jars	5.00			4297.00	
Safety Joint	2.00			4299.00	
Packer	5.00			4304.00	27.00 Bottom Of Top Packer
Packer	4.00			4308.00	
Stubb	1.00			4309.00	
Perforations	1.00			4310.00	
Change Over Sub	1.00			4311.00	
Drill Pipe	62.00			4373.00	
Change Over Sub	1.00			4374.00	
Recorder	0.00	6751	Inside	4374.00	
Perforations	10.00			4384.00	
Recorder	0.00	6724	Outside	4384.00	
Bullnose	4.00			4388.00	80.00 Bottom Packers & Anchor
Total Tool Length:	107.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Mid Continent Resources Inc.

Gillig #4-23

Box 399
Garden City KS 67846

23/19/22

Job Ticket: 22922

DST#: 2

ATTN: Scott Corsair

Test Start: 2006.02.08 @ 05:30:47

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: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	650 GIP	0.000
124.00	GOCM 5% gas, 5% oil, 90% mud.	1.739

Total Length: 124.00 ft Total Volume: 1.739 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

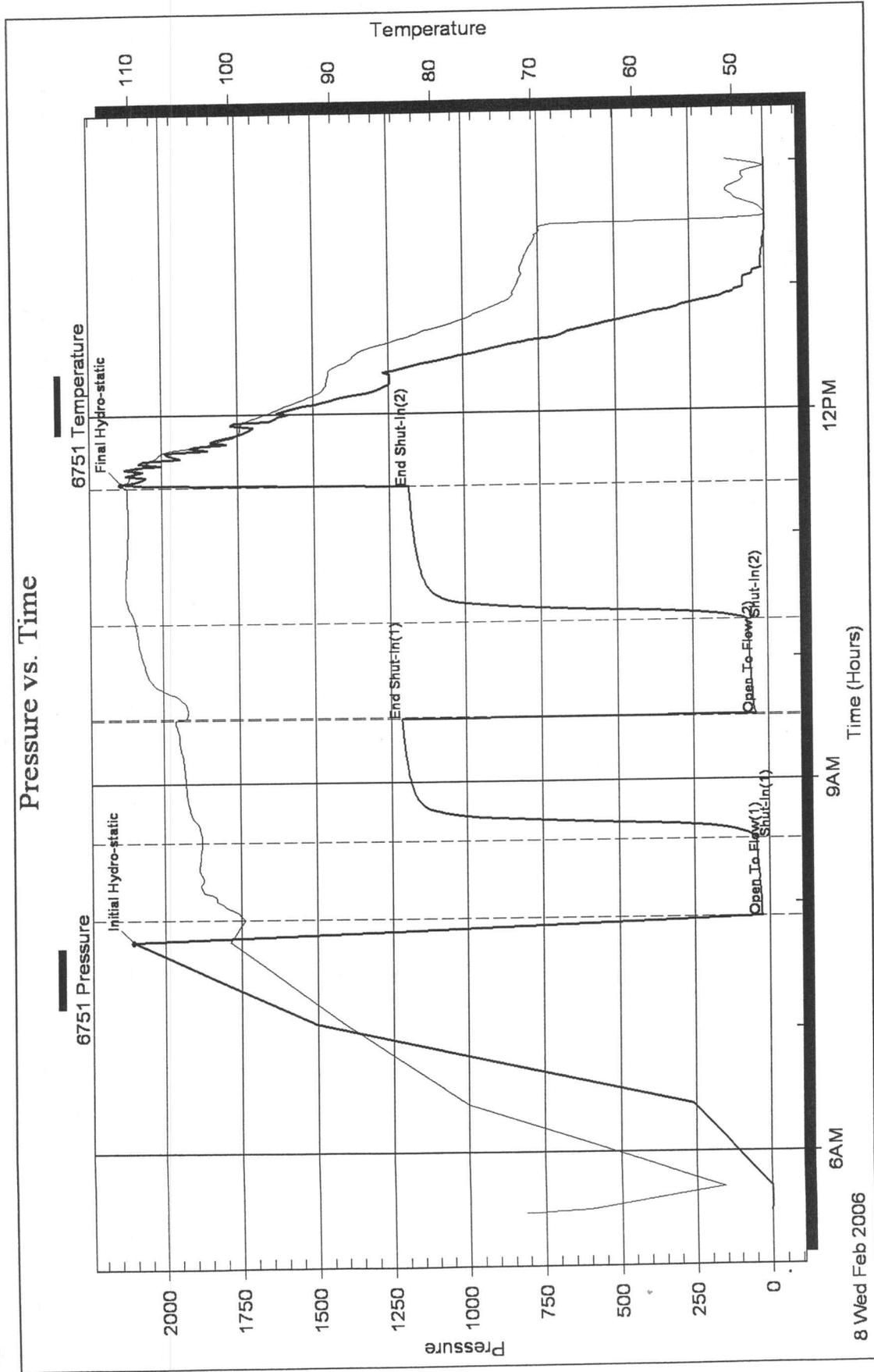
Serial #:

Laboratory Name:

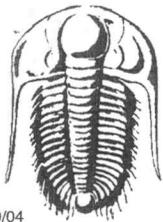
Laboratory Location:

Recovery Comments:

Pressure vs. Time



8 Wed Feb 2006



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

8411
No 22921

Test Ticket

Well Name & No. Gilling #4-23 Test No. 1 Date 2/17/06
 Company Mid-Continent Resources Inc. Zone Tested Cherokee
 Address Box 399 Garden City KS 67846 Elevation 2244 KB 2240 GL
 Co. Rep / Geo. Scott Carsar Cont. Petromark Drilling Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 23 Twp. 19 Rge. 22 Co. Ness State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4275 - 4300 Initial Str Wt./Lbs. 575 Unseated Str Wt./Lbs. 608
 Anchor Length 25 Wt. Set Lbs. 252 Wt. Pulled Loose/Lbs. 608
 Top Packer Depth 4270 Tool Weight 1800
 Bottom Packer Depth 4275 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4300 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.4 LCM 1 Vis. 47 WLS 7 Drill Pipe Size 4.5x# Ft. Run 4258
 Blow Description IF - Good building blow, BOB 6 min. "No BTS"

ISI - blow back weak, built to 1" into bucket
FF - Weak building blow, BOB 20 min. "No BTS"
FSI - Weak building blow back, built to 1/2" in bucket

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>70</u>	Feet of _____	%gas <u>100</u> %oil _____ %water _____ %mud _____	
Rec. <u>430</u>	Feet of <u>MCW</u>	%gas _____ %oil <u>85</u> %water <u>15</u> %mud _____	
Rec. _____	Feet of <u>Did not recover</u>	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____	Feet of <u>enough</u>	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____	Feet of <u>to</u>	%gas _____ %oil _____ %water _____ %mud _____	
BHT <u>121</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____ °API _____
RW _____ @ _____ °F	Chlorides _____ ppm	Recovery <u>23000</u>	Chlorides <u>5000</u> ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2097</u>	PSI	<u>6571</u>	<u>1100° 9hrs</u>
(B) First Initial Flow Pressure	<u>33</u>	PSI	(depth) <u>4277</u>	Jars <u>200°</u>
(C) First Final Flow Pressure	<u>151</u>	PSI	Recorder No. <u>11018</u>	Safety Jt. <u>50°</u>
(D) Initial Shut-In Pressure	<u>470</u>	PSI	(depth) <u>4300</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>158</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>275</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>458</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2052</u>	PSI	Initial Shut-In <u>45</u>	Shale Packer _____
			Final Flow <u>30</u>	Ruined Packer _____
			Final Shut-In <u>45</u>	Mileage <u>? 114 114</u>

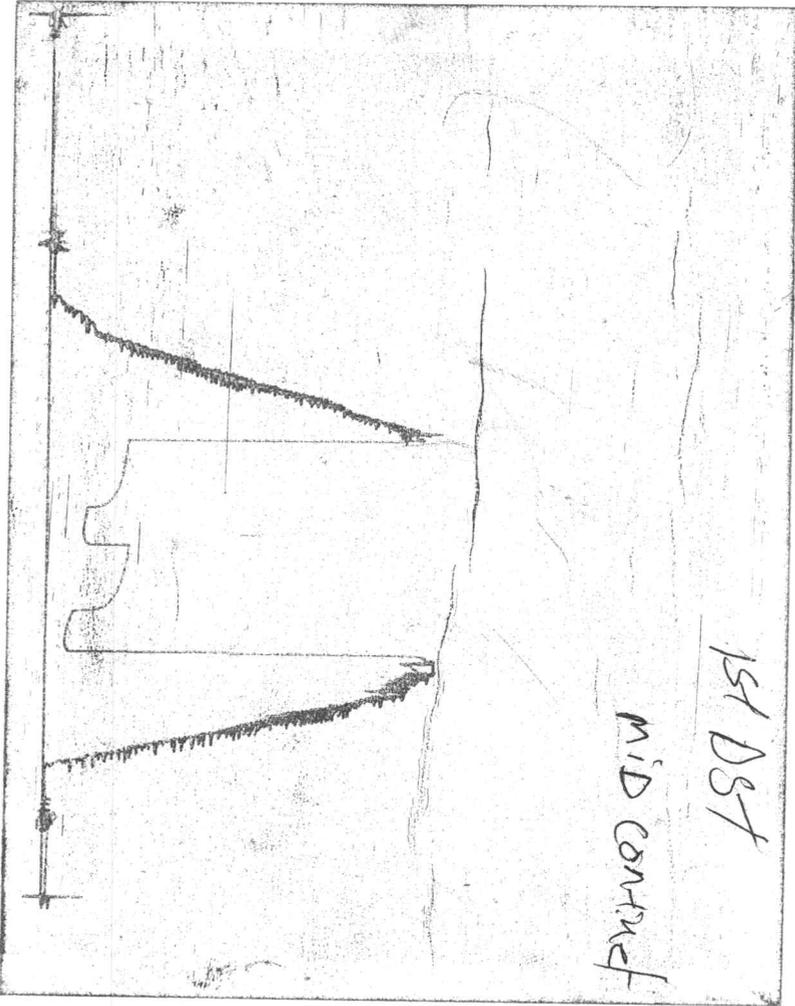
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

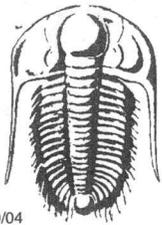
Approved By _____
 Our Representative _____

T-On Location 730 AM
 T-Started 900 AM
 T-Open 11:15 AM
 T-Pulled 1:30 PM
 T-Out 4:30 PM
 Sub Total: 1464
 Std. By _____
 Other _____
 Total: 1350 + Mileage

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22922

9/04

Test Ticket

Well Name & No. Gillig #4-23 Test No. 2 Date 2/18/06
 Company Mid-Continent Resources Inc Zone Tested Mississippi
 Address Box 399 Garden City KS 67846 Elevation 2244 KB 2240 GL
 Co. Rep / Geo. Scott Corsair Cont. Perthmark #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 23 Twp. 19 Rge. 22 Co. Ness State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4308 - 4388 Initial Str Wt./Lbs. 58K Unseated Str Wt./Lbs. 60K
 Anchor Length 80 Wt. Set Lbs. 25K Wt. Pulled Loose/Lbs. 60K
 Top Packer Depth 4303 Tool Weight 1800
 Bottom Packer Depth 4308 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4388 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.4 LCM 1 Vis. 47 WL 9.2 Drill Pipe Size 45x4 Ft. Run 4296
 Blow Description IF - weak building blow, built to Tin into bucket.
ISI - No blow back.
FF - weak building blow, 6" into bucket
FSI - No blow back

Recovery - Total Feet 124 GIP 650 Ft. in DC _____ Ft. in DP _____
 Rec. 124 Feet of 60CM 5 %gas 5 %oil %water 90 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 5000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2105</u> PSI	<u>6571</u>	<u>1100° 9 hrs</u>
(B) First Initial Flow Pressure		<u>24</u> PSI	(depth) <u>4311</u>	Jars <u>200°</u>
(C) First Final Flow Pressure		<u>41</u> PSI	Recorder No. <u>11018</u>	Safety Jt. <u>50°</u>
(D) Initial Shut-In Pressure		<u>1213</u> PSI	(depth) <u>4388</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>42</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>69</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>1186</u> PSI	Initial Opening <u>45</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>2134</u> PSI	Initial Shut-In <u>60</u>	Shale Packer _____
			Final Flow <u>45</u>	Ruined Packer _____
			Final Shut-In <u>60</u>	Mileage <u>? 28</u>
			T-On Location <u>500 AM</u>	Sub Total: <u>1378</u>
			T-Started <u>530 AM</u>	Std. By _____
			T-Open _____	Other _____
			T-Pulled _____	Total: <u>1350° + mileage</u>
			T-Out <u>200 PM</u>	

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [Signature]
 Our Representative [Signature]

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

