

DRILL STEM TEST REPORT

Prepared For: **Pioneer Res**

177 W Limestone Rd
Phillipsburg Ks 67661

ATTN: Roger Wells

15-8-23-Graham-Ks

Melanie # 1

Start Date: 2005.01.26 @ 12:15:04

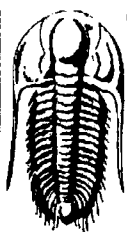
End Date: 2005.01.26 @ 06:45:04

Job Ticket #: 21174 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Pioneer Res

177 W Limestone Rd
Phillipsburg Ks 67661

ATTN: Roger Wells

Melanie # 1

15-8-23-Graham-Ks

Job Ticket: 21174

DST#: 1

Test Start: 2005.01.26 @ 12:15:04

GENERAL INFORMATION:

Formation: 35' LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:20:34

Time Test Ended: 06:45:04

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: 3502.00 ft (KB) To 3524.00 ft (KB) (TVD)

Total Depth: 3524.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2213.00 ft (KB)

2208.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 340.68 psig @ 3503.00 ft (KB)

Start Date: 2005.01.26

End Date:

2005.01.26

Capacity: 7000.00 psig

Last Calib.: 2005.01.26

Start Time: 00:15:05

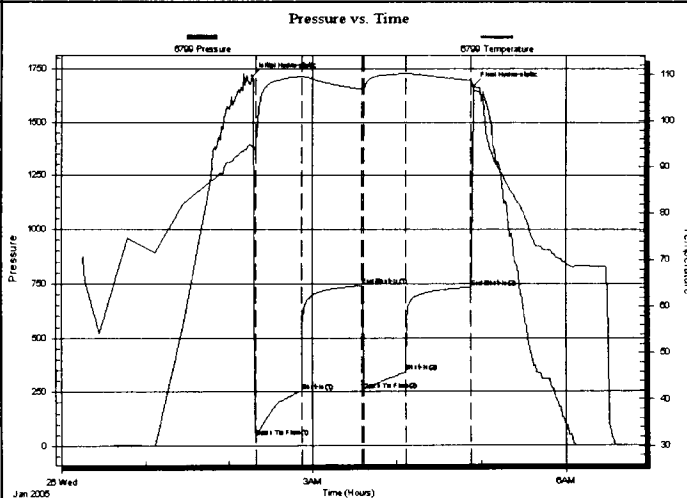
End Time:

06:37:04

Time On Btm: 2005.01.26 @ 02:17:04

Time Off Btm: 2005.01.26 @ 04:54:04

TEST COMMENT: F-Strong B-B in 7 min
ISI-Weak steady surface blow
FF-Strong B-B in 12 min
FSI-Weak steady surface blow



PRESSURE SUMMARY

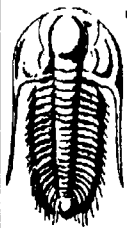
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1714.63	94.44	Initial Hydro-static
3	39.84	94.20	Open To Flow (1)
36	253.76	109.51	Shut-In(1)
79	740.58	106.74	End Shut-In(1)
80	258.42	106.36	Open To Flow (2)
110	340.68	110.10	Shut-In(2)
156	733.18	108.54	End Shut-In(2)
157	1667.92	106.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
600.00	Wtr	4.98
10.00	CO	0.14
0.00	110 GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pioneer Res

Melanie # 1

177 W Limestone Rd
Phillipsburg Ks 67661

15-8-23-Graham-Ks

Job Ticket: 21174

DST#: 1

ATTN: Roger Wells

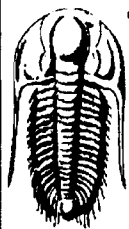
Test Start: 2005.01.26 @ 12:15:04

Tool Information

Drill Pipe:	Length: 3135.00 ft	Diameter: 3.80 inches	Volume: 43.98 bbl	Tool Weight: 1200.00 lb
Heavy Wt. Pipe:	Length: 377.00 ft	Diameter: 2.25 inches	Volume: 1.85 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 45.83 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3502.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 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
Change Over Sub	1.00			3482.00	
Shut In Tool	5.00			3487.00	
Hydraulic tool	5.00			3492.00	
Packer	5.00			3497.00	21.00 Bottom Of Top Packer
Packer	5.00			3502.00	
Stubb	1.00			3503.00	
Recorder	0.00	6799	Inside	3503.00	
Perforations	18.00			3521.00	
Recorder	0.00	13254	Outside	3521.00	
Bullnose	3.00			3524.00	22.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pioneer Res

Melanie # 1

177 W Limestone Rd
Phillipsburg Ks 67661

15-8-23-Graham-Ks

Job Ticket: 21174

DST#: 1

ATTN: Roger Wells

Test Start: 2005.01.26 @ 12:15:04

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: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
600.00	Wtr	4.982
10.00	CO	0.140
0.00	110 GP	0.000

Total Length: 610.00 ft

Total Volume: 5.122 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

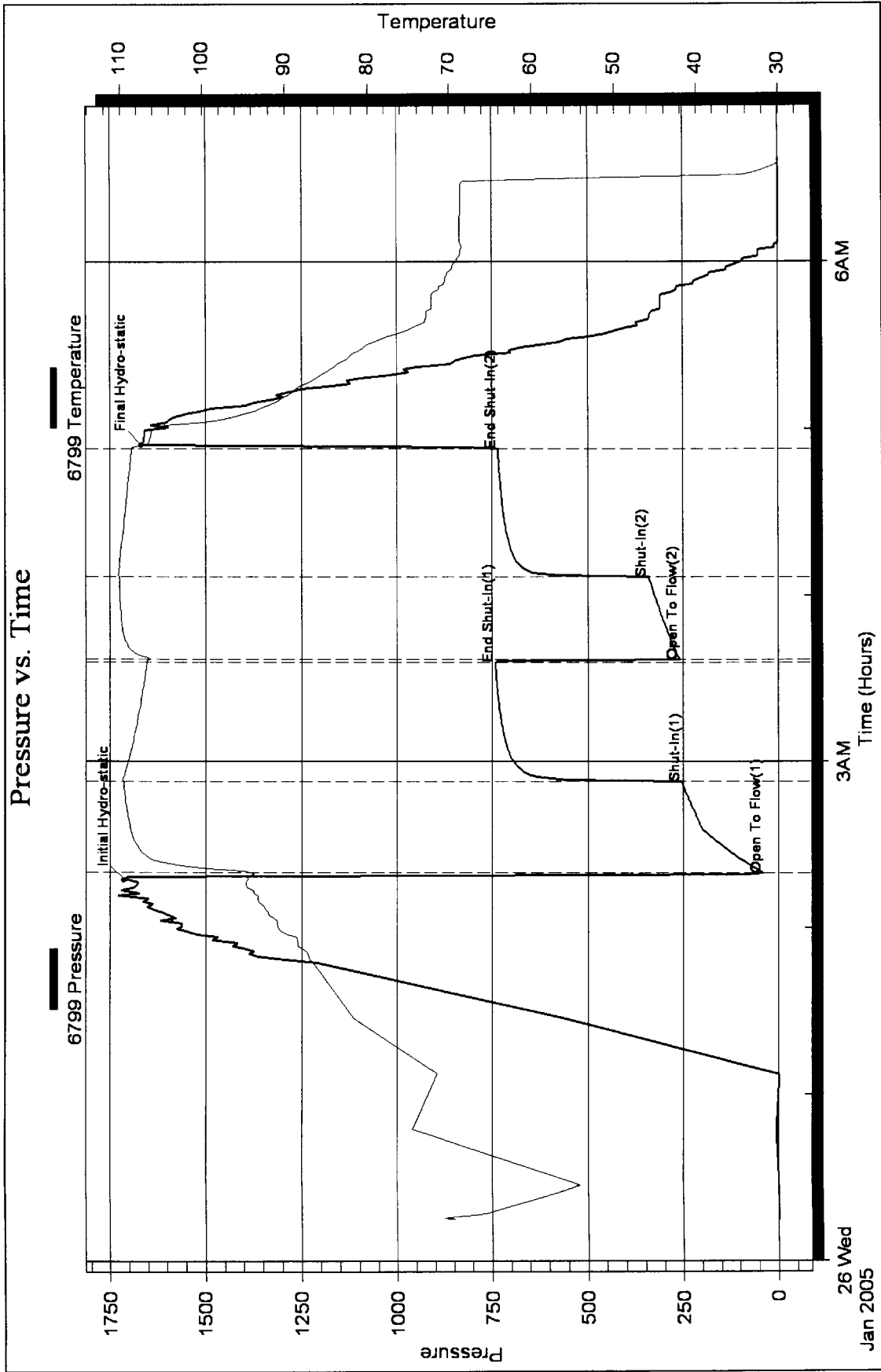
Serial #: 6799

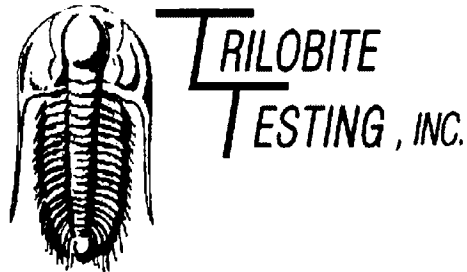
Inside

Pioneer Res

15-8-23-Graham-Ks

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Pioneer Res**

177 W Limestone Rd
Phillipsburg Ks 67661

ATTN: Roger Wells

15-8-23-Graham-Ks

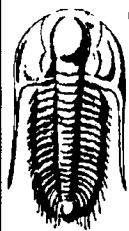
Melanie # 1

Start Date: 2005.01.26 @ 14:30:38

End Date: 2005.01.26 @ 19:30:08

Job Ticket #: 21175 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

Pioneer Res
177 W Limestone Rd
Phillipsburg Ks 67661
ATTN: Roger Wells

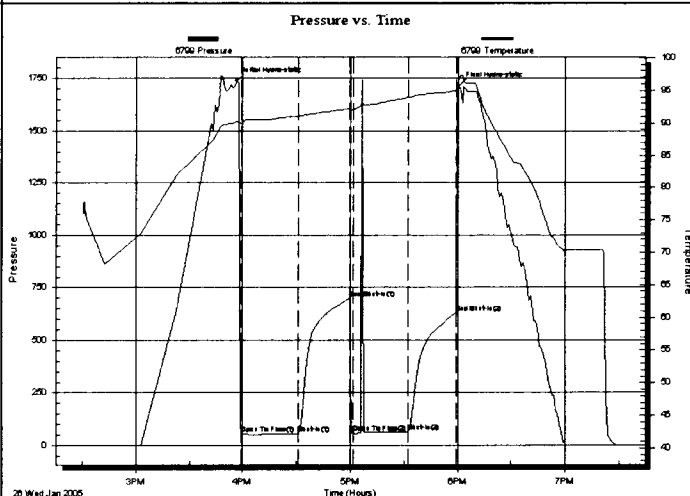
Melanie # 1
15-8-23-Graham-Ks
Job Ticket: 21175 **DST#: 2**
Test Start: 2005.01.26 @ 14:30:38

GENERAL INFORMATION:

Formation: **70' LKC**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 15:59:08
Time Test Ended: 19:30:08
Interval: **3534.00 ft (KB) To 3556.00 ft (KB) (TVD)**
Total Depth: **3556.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Dan Bangle**
Unit No: **21**
Reference Elevations: **2213.00 ft (KB)**
2208.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 6799 **Inside**
Press@RunDepth: **66.41 psig @ 3535.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2005.01.26** End Date: **2005.01.26** Last Calib.: **2005.01.26**
Start Time: **14:30:39** End Time: **19:30:08** Time On Btm: **2005.01.26 @ 15:56:38**
Time Off Btm: **2005.01.26 @ 18:00:38**

TEST COMMENT: **F-Opened tool lost 20' of mud - set more w t on tool - 1/2" blow decreasing to weak steady surface blow**
FF- No blow - flushed tool
Times-30-30-30-30



PRESSURE SUMMARY

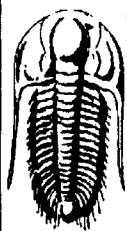
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1738.77	90.29	Initial Hydro-static
3	54.67	89.88	Open To Flow (1)
35	55.49	91.06	Shut-In(1)
63	696.57	92.22	End Shut-In(1)
65	58.21	92.04	Open To Flow (2)
96	66.41	93.89	Shut-In(2)
123	629.58	94.95	End Shut-In(2)
124	1716.04	97.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCO 30%o 70%w	0.59
5.00	CO	0.02
0.00	60 GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pioneer Res

Melanie # 1

177 W Limestone Rd
Phillipsburg Ks 67661

15-8-23-Graham-Ks

Job Ticket: 21175

DST#: 2

ATTN: Roger Wells

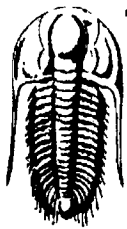
Test Start: 2005.01.26 @ 14:30:38

Tool Information

Drill Pipe:	Length: 3163.00 ft	Diameter: 3.80 inches	Volume: 44.37 bbl	Tool Weight: 1200.00 lb
Heavy Wt. Pipe:	Length: 377.00 ft	Diameter: 2.25 inches	Volume: 1.85 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 46.22 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3534.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 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
Change Over Sub	1.00			3514.00	
Shut In Tool	5.00			3519.00	
Hydraulic tool	5.00			3524.00	
Packer	5.00			3529.00	21.00 Bottom Of Top Packer
Packer	5.00			3534.00	
Stubb	1.00			3535.00	
Recorder	0.00	6799	Inside	3535.00	
Perforations	18.00			3553.00	
Recorder	0.00	13254	Outside	3553.00	
Bullnose	3.00			3556.00	22.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pioneer Res

Melanie # 1

177 W Limestone Rd
Phillipsburg Ks 67661

15-8-23-Graham-Ks

Job Ticket: 21175

DST#: 2

ATTN: Roger Wells

Test Start: 2005.01.26 @ 14:30:38

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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MCO 30%o 70% _m	0.590
5.00	CO	0.025
0.00	60 GIP	0.000

Total Length: 125.00 ft

Total Volume: 0.615 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6799

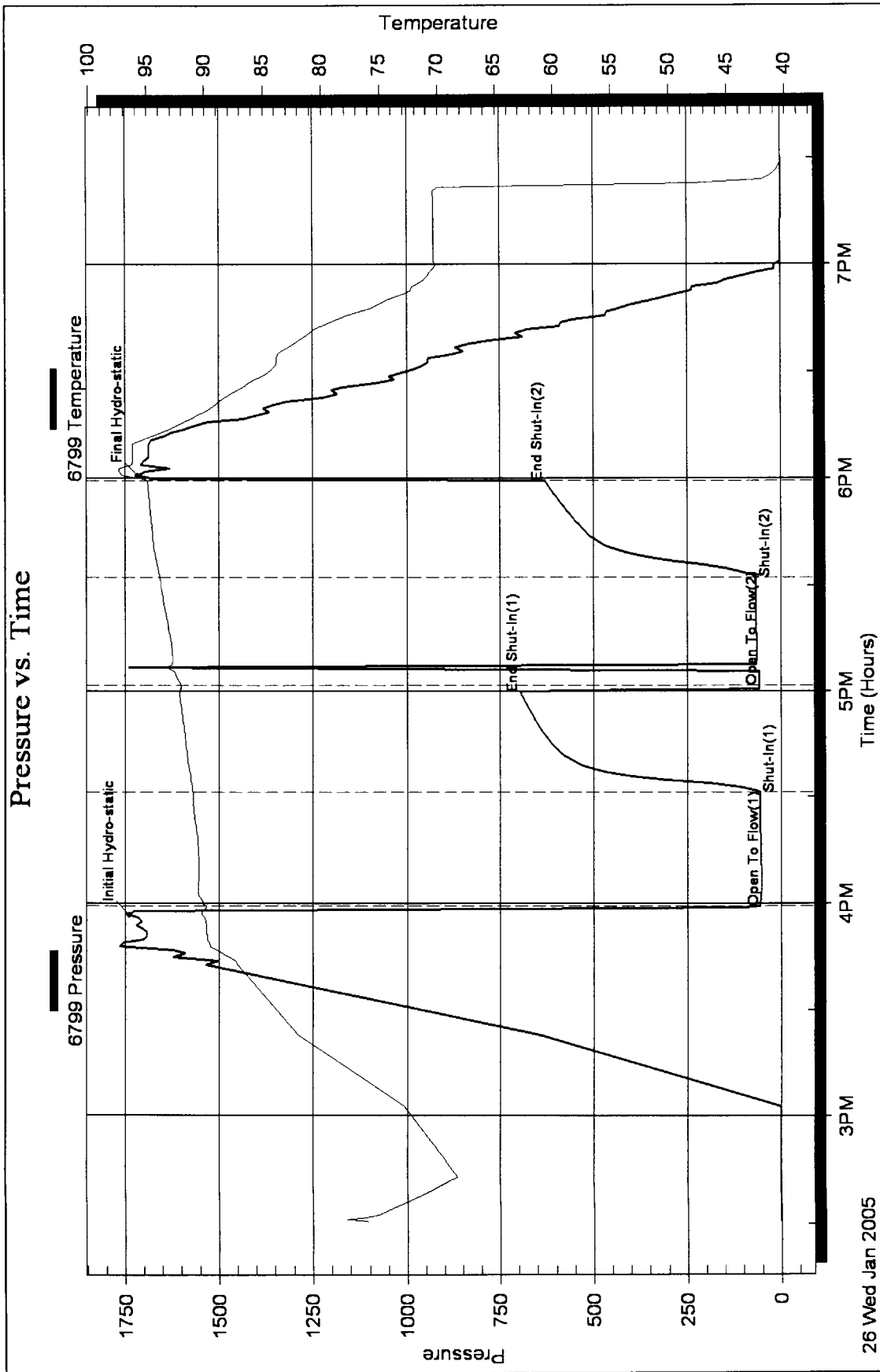
Inside

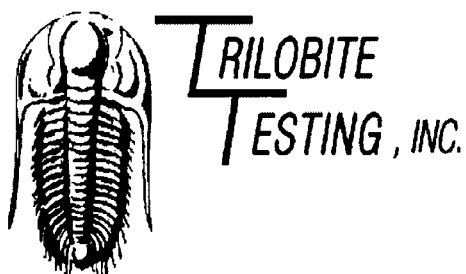
Pioneer Res

15-8-23-Graham-Ks

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Pioneer Res**

177 W Limestone Rd
Phillipsburg Ks 67661

ATTN: Roger Wells

15-8-23-Graham-Ks

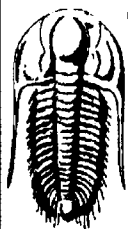
Melanie # 1

Start Date: 2005.01.27 @ 13:00:54

End Date: 2005.01.27 @ 20:22:54

Job Ticket #: 21226 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Pioneer Res

177 W Limestone Rd
Phillipsburg Ks 67661

ATTN: Roger Wells

Melanie # 1

15-8-23-Graham-Ks

Job Ticket: 21226

DST#: 3

Test Start: 2005.01.27 @ 13:00:54

GENERAL INFORMATION:

Formation: **180' LKC**

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

Time Tool Opened: 14:39:54

Time Test Ended: 20:22:54

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: 3622.00 ft (KB) To 3655.00 ft (KB) (TVD)

Total Depth: 3655.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2213.00 ft (KB)

2208.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 167.02 psig @ 3623.00 ft (KB)

Start Date: 2005.01.27

End Date:

2005.01.27

Start Time: 13:00:55

End Time:

20:22:54

Capacity: 7000.00 psig

Last Calib.: 2005.01.27

Time On Btmr: 2005.01.27 @ 14:37:54

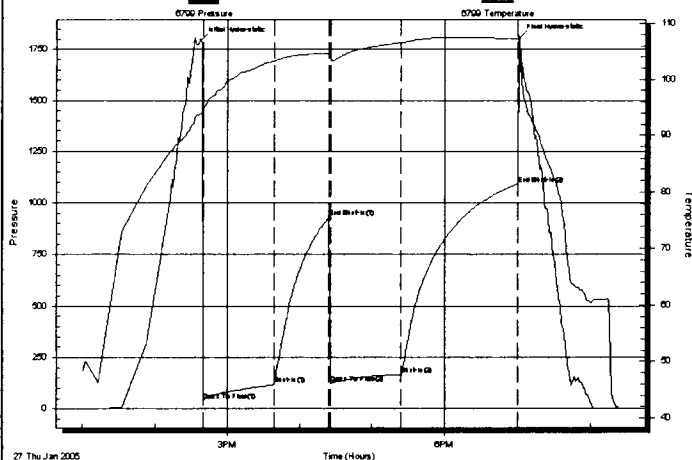
Time Off Btmr: 2005.01.27 @ 19:01:24

TEST COMMENT: IF-Weak building to 8"

FF-Weak building to 8" in 45 min - then decreasing to 4"

Times-60-45-60-90

Pressure vs. Time



PRESSURE SUMMARY

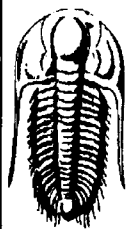
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1794.42	93.87	Initial Hydro-static
2	40.40	94.62	Open To Flow (1)
61	116.18	103.26	Shut-In(1)
107	931.03	104.64	End Shut-In(1)
109	123.75	103.31	Open To Flow (2)
166	167.02	106.59	Shut-In(2)
262	1092.04	107.30	End Shut-In(2)
264	1808.53	103.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCO 50%o 50%w	0.59
310.00	CGsyO 10%g 90%o	2.01
0.00	320 GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pioneer Res

Melanie # 1

177 W Limestone Rd
Phillipsburg Ks 67661

15-8-23-Graham-Ks

Job Ticket: 21226

DST#: 3

ATTN: Roger Wells

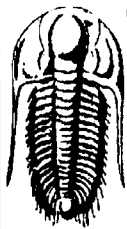
Test Start: 2005.01.27 @ 13:00:54

Tool Information

Drill Pipe:	Length: 3255.00 ft	Diameter: 3.80 inches	Volume: 45.66 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 377.00 ft	Diameter: 2.25 inches	Volume: 1.85 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	80000.00 lb
			Total Volume: 47.51 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3622.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	33.00 ft				
Tool Length:	54.00 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			3602.00	
Shut In Tool	5.00			3607.00	
Hydraulic tool	5.00			3612.00	
Packer	5.00			3617.00	21.00 Bottom Of Top Packer
Packer	5.00			3622.00	
Stubb	1.00			3623.00	
Recorder	0.00	6799	Inside	3623.00	
Perforations	29.00			3652.00	
Recorder	0.00	13254	Outside	3652.00	
Bullnose	3.00			3655.00	33.00 Bottom Packers & Anchor
Total Tool Length:	54.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pioneer Res

Melanie # 1

177 W Limestone Rd
Phillipsburg Ks 67661

15-8-23-Graham-Ks

Job Ticket: 21226

DST#: 3

ATTN: Roger Wells

Test Start: 2005.01.27 @ 13:00:54

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MCO 50%o 50%m	0.590
310.00	CGsyO 10%g 90%o	2.007
0.00	320 GIP	0.000

Total Length: 430.00 ft

Total Volume: 2.597 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

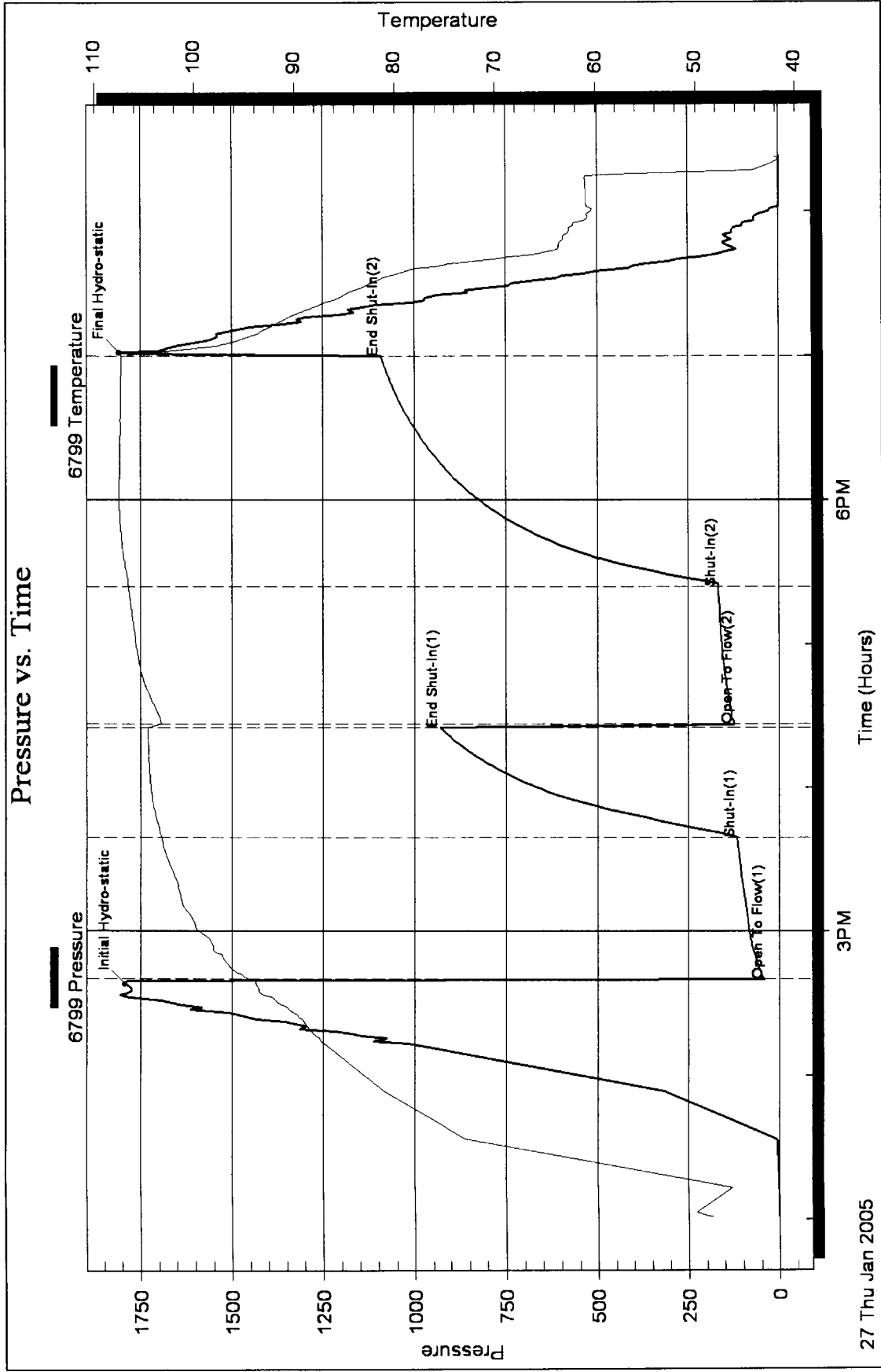
Serial #: 6799

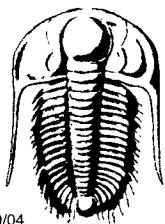
Inside

Pioneer Res

15-8-23-Graham-Ks

DST Test Number: 3





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 21174

INV 748

Test Ticket

Well Name & No. Melanie #1 Test No. 1 Date 1-26-05
 Company Pioneer Res. Zone Tested 35' LKC
 Address 177 W. Limestone Rd, Phillipsburg, Ks. 67661 Elevation 2213 KB 2208 GL
 Co. Rep / Geo. Todd Morgenstern Cont. Shields Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 15 Twp. 8 Rge. 23 Co. Graham State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3502 — 3524 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 52,000
 Anchor Length 22 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 80,000
 Top Packer Depth _____ Tool Weight 1200
 Bottom Packer Depth 3502 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3524 Wt. Pipe Run 377XH Drill Collar Run _____
 Mud Wt. 9.2 LCM _____ Vis. 44 WL 8.8 Drill Pipe Size 4.5FH Ft. Run 3185
 Blow Description I.F. Strong - B-B in 7 min.
ISI - Weak steady surface blow
E.F. Strong - B-B in 12 min.
ESI - Weak steady surface blow
 Recovery - Total Feet 610 GIP 110 Ft. in WT 377 Ft. in DP 233
 Rec. 10 Feet of CO %gas _____ %oil _____ %water _____ %mud _____
 Rec. 600 Feet of WTR %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 108 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .24 @ 76 °F Chlorides 48,000 ppm Recovery _____ Chlorides 800 ppm System

AK-1	Alpine	PSI	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1714</u>	PSI	<u>6799</u>	<u>900</u>
(B) First Initial Flow Pressure	<u>39</u>	PSI	(depth) <u>3503</u>	Jars _____
(C) First Final Flow Pressure	<u>253</u>	PSI	Recorder No. <u>13254</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>740</u>	PSI	(depth) <u>3521</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>258</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>340</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>733</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1667</u>	PSI	Initial Shut-In <u>45</u>	Shale Packer _____

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 _____

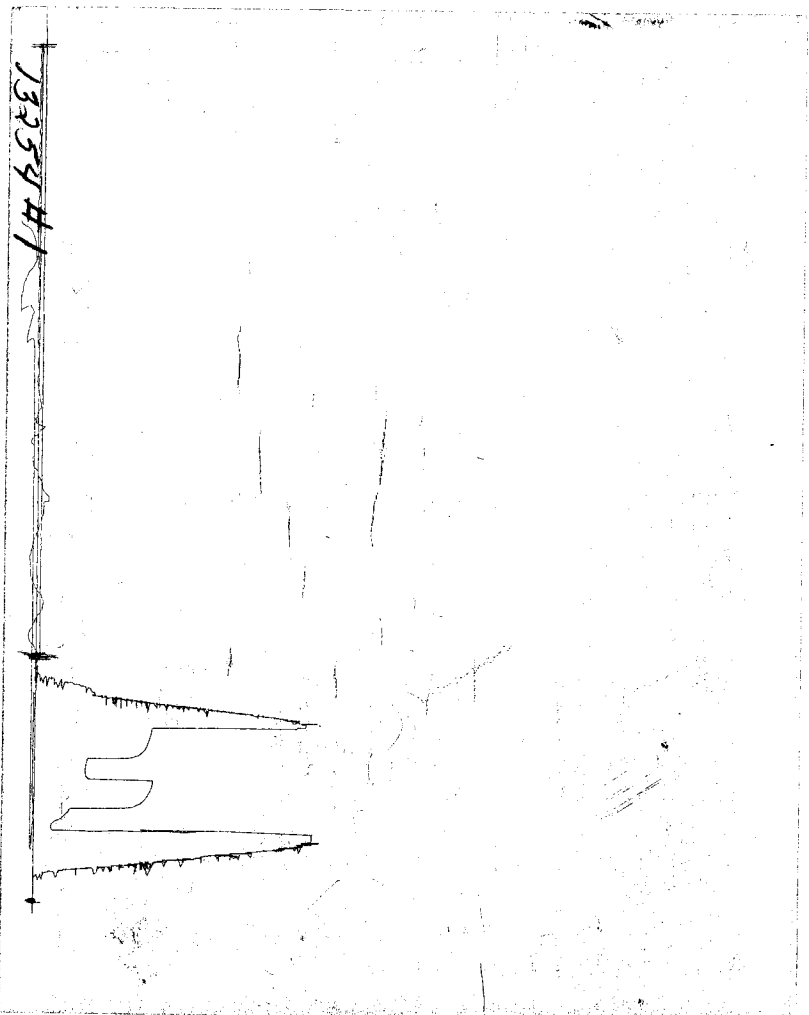
Our Representative Dan Bangle

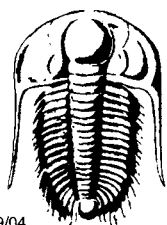
Final Flow 30
 Final Shut-In 45
 T-On Location 00:05
 T-Started 00:15
 T-Open 00:30
 T-Pulled 04:50
 T-Out 06:45

Test _____
 Jars _____
 Safety Jt. _____
 Circ Sub _____
 Sampler _____
 Straddle _____
 Ext. Packer _____
 Shale Packer _____
 Ruined Packer _____
 Mileage 122 122
 Sub Total: 1022
 Std. By _____
 Other _____
 Total: _____

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21175

9/04

Test Ticket

Well Name & No. Melanie #1 Test No. 2 Date 1-26-05
 Company Pioneer Res. Zone Tested 70' LKC
 Address _____ Elevation 2213 KB 2208 GL
 Co. Rep / Geo. Todd Morgenstern Cont. Shields Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 15 Twp. 8 Rge. 23 Co. Graham State Ks
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3534 — 3556 Initial Str Wt./Lbs. 59,000 Unseated Str Wt./Lbs. 59,000
 Anchor Length 22 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 89,000
 Top Packer Depth 3529 Tool Weight 1200
 Bottom Packer Depth 3534 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3556 Wt. Pipe Run 377XH Drill Collar Run _____
 Mud Wt. 9.3 LCM _____ Vis. 49 WL 8.2 Drill Pipe Size 4.5 FH Ft. Run 3163
 Blow Description Opened Tool - lost 20' of mud - set more wt on tool - 1/2"
blow - decreasing to weak steady surface blow.
F.F. No blow - flushed tool

Recovery - Total Feet 125 GIP 60 Ft. in 125 Ft. in DP _____
 Rec. 120 Feet of MCO %gas 30 %oil _____ %water 70 %mud _____
 Rec. 5 Feet of CO %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 94 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1000 ppm System

AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1738</u> PSI	Recorder No. <u>6799</u>	Test _____
(B) First Initial Flow Pressure	<u>54</u> PSI	(depth) <u>3535</u>	Jars _____
(C) First Final Flow Pressure	<u>55</u> PSI	Recorder No. <u>13254</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>696</u> PSI	(depth) <u>3553</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>58</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>66</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>629</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1716</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____

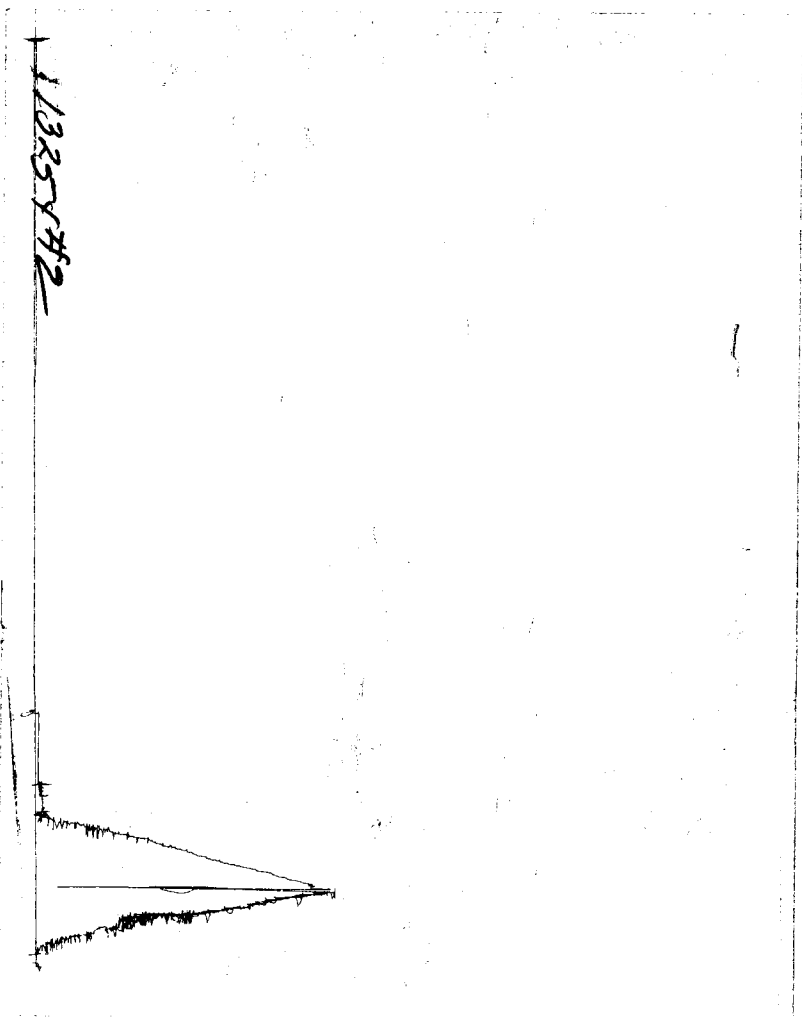
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

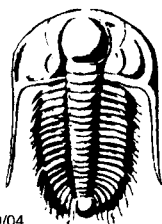
Approved By _____

Our Representative Dan Banfle

Final Flow	<u>30</u>	Ruined Packer _____
Final Shut-In	<u>30</u>	Mileage <u>4</u>
T-On Location	<u>14:30</u>	Sub Total: <u>904</u>
T-Started	<u>14:30</u>	Std. By <u>2</u>
T-Open	<u>16:00</u>	Other _____
T-Pulled	<u>18:00</u>	Total: _____
T-Out	<u>19:20</u>	

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21226

Test Ticket

Well Name & No. Melanie #1 Test No. 3 Date 1-27-05
 Company Pioneer Res. Zone Tested 180' LKC
 Address _____ Elevation 2213 KB 2208 GL
 Co. Rep / Geo. Todd Morgenstern Cont. Shields Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 15 Twp. 8 Rge. 23 Co. Graham State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3622 ——— 3655 Initial Str Wt./Lbs. 59,000 Unseated Str Wt./Lbs. 52,000
 Anchor Length 33 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 80,000
 Top Packer Depth 3617 Tool Weight 1500
 Bottom Packer Depth 3622 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3655 Wt. Pipe Run 377 XH Drill Collar Run _____
 Mud Wt. 9.6 LCM _____ Vis. 48 WL 8.8 Drill Pipe Size 4.5 FH Ft. Run 3255
 Blow Description I.F. Weak - building to 8" fair blow

F.F. Weak - building to 8" in 45 min - then decreasing to 4"

Recovery - Total Feet 430 GIP 320 Ft. in 377 Ft. in DP 53
 Rec. 310 Feet of CGS 0 %gas 90 %oil _____ %water _____ %mud
 Rec. 120 Feet of MC 0 %gas 50 %oil _____ %water 50 %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 107 °F Gravity _____ °API D @ _____ °F Corrected Gravity 36 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1100 ppm System

AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>1794</u> PSI	Recorder No.	<u>6799</u>	Test	<u>900</u>
(B) First Initial Flow Pressure	<u>40</u> PSI	(depth)	<u>3623</u>	Jars	_____
(C) First Final Flow Pressure	<u>116</u> PSI	Recorder No.	<u>13254</u>	Safety Jt.	_____
(D) Initial Shut-In Pressure	<u>931</u> PSI	(depth)	<u>3652</u>	Circ Sub	_____
(E) Second Initial Flow Pressure	<u>123</u> PSI	Recorder No.	_____	Sampler	_____
(F) Second Final Flow Pressure	<u>167</u> PSI	(depth)	_____	Straddle	_____
(G) Final Shut-In Pressure	<u>1092</u> PSI	Initial Opening	<u>60</u>	Ext. Packer	_____
(Q) Final Hydrostatic Mud	<u>1808</u> PSI	Initial Shut-In	<u>45</u>	Shale Packer	_____
		Final Flow	<u>60</u>	Ruined Packer	_____
		Final Shut-In	<u>90</u>	Mileage <u>4</u>	<u>4</u>
		T-On Location	<u>12:50</u>	Sub Total:	<u>904</u>
		T-Started	<u>13:00</u>	Std. By	_____
		T-Open	<u>14:38</u>	Other	_____
		T-Pulled	<u>18:53</u>	Total:	_____
		T-Out	<u>20:22</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 Dan Baugle