

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **IA Operating Co.**

900 N Tyler Rd #14
Wichita, KS. 67212

ATTN: Randy Kilian

5-13-16-Ellis

Gladys #5-1

Start Date: 2004.09.19 @ 13:51:55

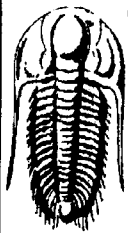
End Date: 2004.09.19 @ 21:21:55

Job Ticket #: 20363 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

IA Operating Co.

900 N Tyler Rd #14
Wichita, KS. 67212

ATTN: Randy Kilian

Gladys #5-1

5-13-16-Elis

Job Ticket: 20363

DST#: 1

Test Start: 2004.09.19 @ 13:51:55

GENERAL INFORMATION:

Formation: **Tor-Lans-A-C**

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

Time Tool Opened: 15:43:25

Time Test Ended: 21:21:55

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **24**

Interval: **3178.00 ft (KB) To 3265.00 ft (KB) (TVD)**

Total Depth: **3265.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **1988.00 ft (KB)**

1983.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6753

Inside

Press@RunDepth: **282.53 psig @ 3181.00 ft (KB)**

Start Date: **2004.09.19**

End Date:

2004.09.19

Start Time: **13:52:05**

End Time:

21:21:55

Capacity: **7000.00 psig**

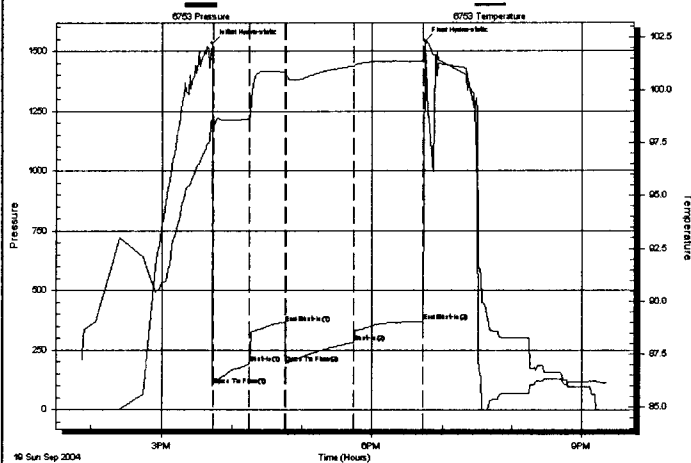
Last Calib.: **1899.12.30**

Time On Btm: **2004.09.19 @ 15:42:55**

Time Off Btm: **2004.09.19 @ 18:44:25**

TEST COMMENT: IFP-Good Blow , BOB in 7 Mn.
ISI-Blow back Built to 9"
FFP-Good Blow , BOB in 15 Mn.
FSI-Blow back To BOB

Pressure vs. Time



PRESSURE SUMMARY

| Time (Mn.) | Pressure (psig) | Temp (deg F) | Annotation |
|------------|-----------------|--------------|----------------------|
| 0 | 1534.74 | 98.59 | Initial Hydro-static |
| 1 | 102.91 | 98.29 | Open To Flow (1) |
| 32 | 192.51 | 98.68 | Shut-In(1) |
| 63 | 363.34 | 100.86 | End Shut-In(1) |
| 63 | 194.29 | 100.73 | Open To Flow (2) |
| 122 | 282.53 | 101.14 | Shut-In(2) |
| 181 | 370.87 | 101.38 | End Shut-In(2) |
| 182 | 1542.31 | 102.07 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 690.00 | Frothy Oil | 8.55 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

IA Operating Co.

Gladys #5-1

900 N Tyler Rd #14
Wichita, KS. 67212

5-13-16-Ellis

Job Ticket: 20363

DST#: 1

ATTN: Randy Kilian

Test Start: 2004.09.19 @ 13:51:55

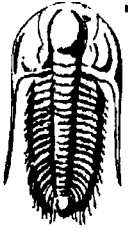
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3066.00 ft | Diameter: 3.80 inches | Volume: 43.01 bbl | Tool Weight: 3000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 124.00 ft | Diameter: 2.25 inches | Volume: 0.61 bbl | Weight to Pull Loose: 61000.00 lb |
| | | | <u>Total Volume: 43.62 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 33.00 ft | | | String Weight: Initial 57000.00 lb |
| Depth to Top Packer: | 3178.00 ft | | | Final 60000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 87.00 ft | | | |
| Tool Length: | 108.00 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 | | | 3158.00 | |
| Shut In Tool | 5.00 | | | 3163.00 | |
| Hydraulic tool | 5.00 | | | 3168.00 | |
| Packer | 5.00 | | | 3173.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3178.00 | |
| Stubb | 1.00 | | | 3179.00 | |
| Perforations | 1.00 | | | 3180.00 | |
| Change Over Sub | 1.00 | | | 3181.00 | |
| Recorder | 0.00 | 6753 | Inside | 3181.00 | |
| Blank Spacing | 62.00 | | | 3243.00 | |
| Change Over Sub | 1.00 | | | 3244.00 | |
| Perforations | 18.00 | | | 3262.00 | |
| Recorder | 0.00 | 13252 | Outside | 3262.00 | |
| Bullnose | 3.00 | | | 3265.00 | 87.00 Bottom Packers & Anchor |

Total Tool Length: 108.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

I A Operating Co.

Gladys #5-1

900 N Tyler Rd #14
Wichita, KS. 67212

5-13-16-Ellis

Job Ticket: 20363

DST#: 1

ATTN: Randy Kilian

Test Start: 2004.09.19 @ 13:51:55

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|-------------|----------------|
| 690.00 | Frothy Oil | 8.549 |

Total Length: 690.00 ft Total Volume: 8.549 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

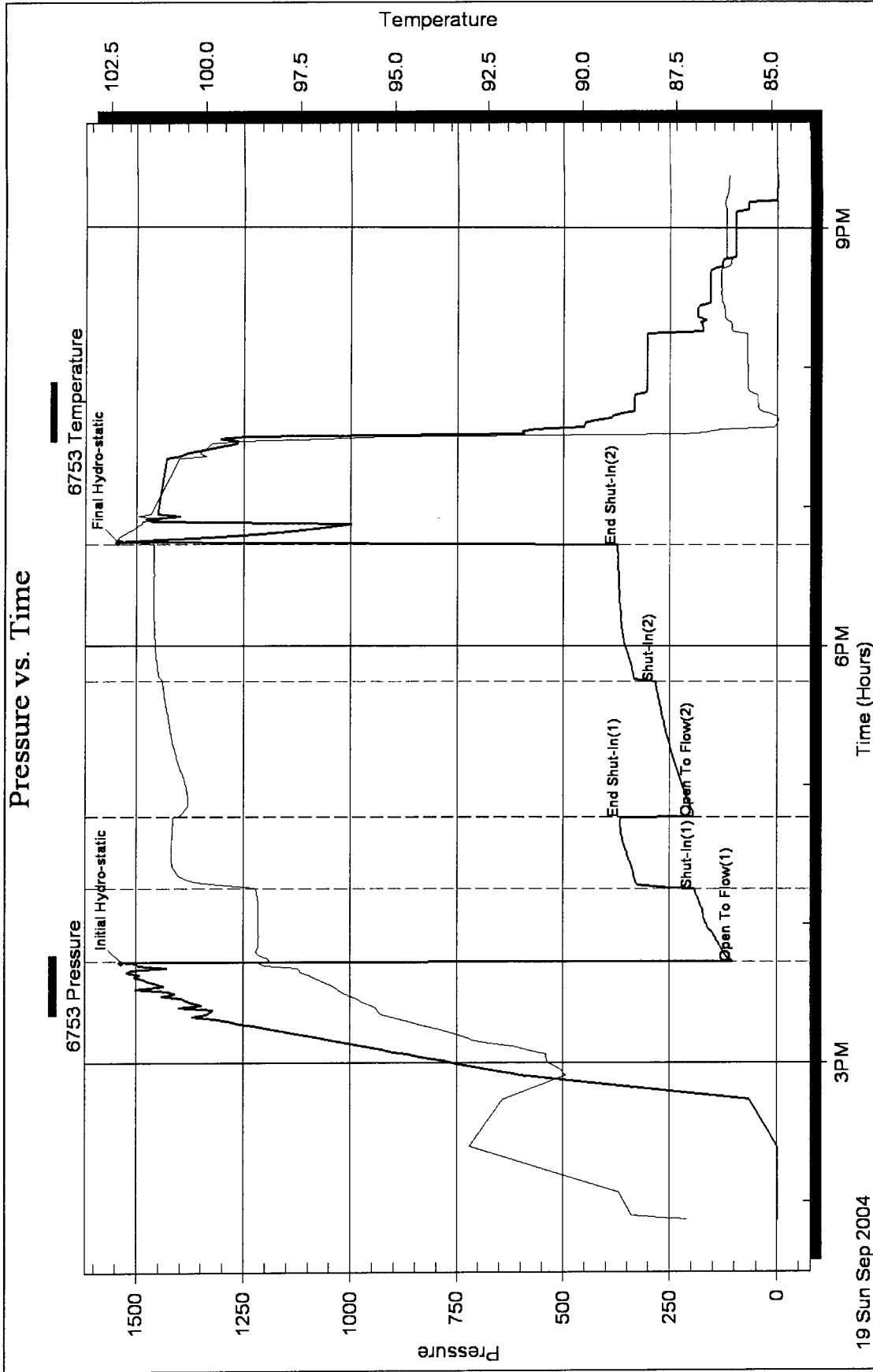
Serial #:

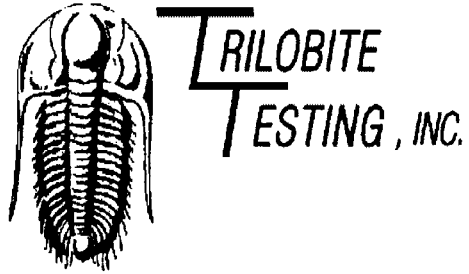
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **IA Operating Co.**

900 N Tyler Rd #14
Wichita, KS. 67212

ATTN: Randy Kilian

5-13-16-Ellis

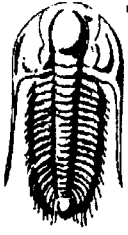
Gladys #5-1

Start Date: 2004.09.20 @ 14:20:08

End Date: 2004.09.20 @ 20:34:38

Job Ticket #: 20364 DST #: 2

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



**TRILOBITE
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DRILL STEM TEST REPORT

I/A Operating Co.
900 N Tyler Rd #14
Wichita, KS. 67212

ATTN: Randy Kilian

Gladys #5-1
5-13-16-Ellis
Job Ticket: 20364 **DST#: 2**
Test Start: 2004.09.20 @ 14:20:08

GENERAL INFORMATION:

Formation: **LKC-"I-K"**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 15:35:08
Time Test Ended: 20:34:38

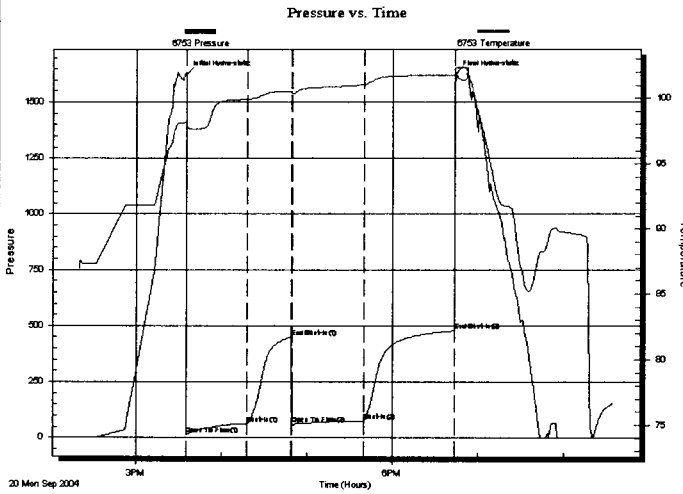
Interval: **3371.00 ft (KB) To 3445.00 ft (KB) (TVD)**
Total Depth: **3445.00 ft (KB) (TVD)**
Hole Diameter: **7.80 inches** Hole Condition: **Good**

Test Type: **Conventional Bottom Hole**
Tester: **Jason McLemore**
Unit No: **24**

Reference Elevations: **1988.00 ft (KB)**
1983.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 6753 **Inside**
Press@RunDepth: **75.59 psig @ 3374.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2004.09.20** End Date: **2004.09.20** Last Calib.: **1899.12.30**
Start Time: **14:20:13** End Time: **20:34:37** Time On Btm: **2004.09.20 @ 15:34:38**
Time Off Btm: **2004.09.20 @ 18:44:08**

TEST COMMENT: IFP-Weak Blow , Built to 4"
ISI-Dead
FFP_Good Blow , Built to 9"
FSI-Surface Blow back for 15 Min.



PRESSURE SUMMARY

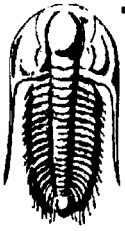
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1623.47 | 98.17 | Initial Hydro-static |
| 1 | 13.71 | 97.61 | Open To Flow (1) |
| 43 | 63.00 | 99.91 | Shut-In(1) |
| 74 | 448.26 | 100.56 | End Shut-In(1) |
| 75 | 62.70 | 100.35 | Open To Flow (2) |
| 125 | 75.59 | 101.05 | Shut-In(2) |
| 189 | 476.68 | 101.82 | End Shut-In(2) |
| 190 | 1627.20 | 102.37 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 160.00 | Frothy Oil | 1.11 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

I/A Operating Co.

Gladys #5-1

900 N Tyler Rd #14
Wichita, KS. 67212

5-13-16-Ellis

Job Ticket: 20364

DST#: 2

ATTN: Randy Kilian

Test Start: 2004.09.20 @ 14:20:08

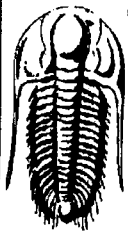
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3247.00 ft | Diameter: 3.80 inches | Volume: 45.55 bbl | Tool Weight: 3000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 124.00 ft | Diameter: 2.25 inches | Volume: 0.61 bbl | Weight to Pull Loose: 58000.00 lb |
| | | | Total Volume: 46.16 bbl | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 21.00 ft | | | String Weight: Initial 58000.00 lb |
| Depth to Top Packer: | 3371.00 ft | | | Final 58000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 74.00 ft | | | |
| Tool Length: | 95.00 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 | | | 3351.00 | |
| Shut In Tool | 5.00 | | | 3356.00 | |
| Hydraulic tool | 5.00 | | | 3361.00 | |
| Packer | 5.00 | | | 3366.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3371.00 | |
| Stubb | 1.00 | | | 3372.00 | |
| Perforations | 1.00 | | | 3373.00 | |
| Change Over Sub | 1.00 | | | 3374.00 | |
| Recorder | 0.00 | 6753 | Inside | 3374.00 | |
| Blank Spacing | 62.00 | | | 3436.00 | |
| Change Over Sub | 1.00 | | | 3437.00 | |
| Perforations | 5.00 | | | 3442.00 | |
| Recorder | 0.00 | 13252 | Outside | 3442.00 | |
| Bullnose | 3.00 | | | 3445.00 | 74.00 Bottom Packers & Anchor |

Total Tool Length: 95.00



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5-13-16-Ellis

Job Ticket: 20364

DST#: 2

ATTN: Randy Kilian

Test Start: 2004.09.20 @ 14:20:08

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: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 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 bbbl |
|--------------|-------------|----------------|
| 160.00 | Frothy Oil | 1.115 |

Total Length: 160.00 ft Total Volume: 1.115 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

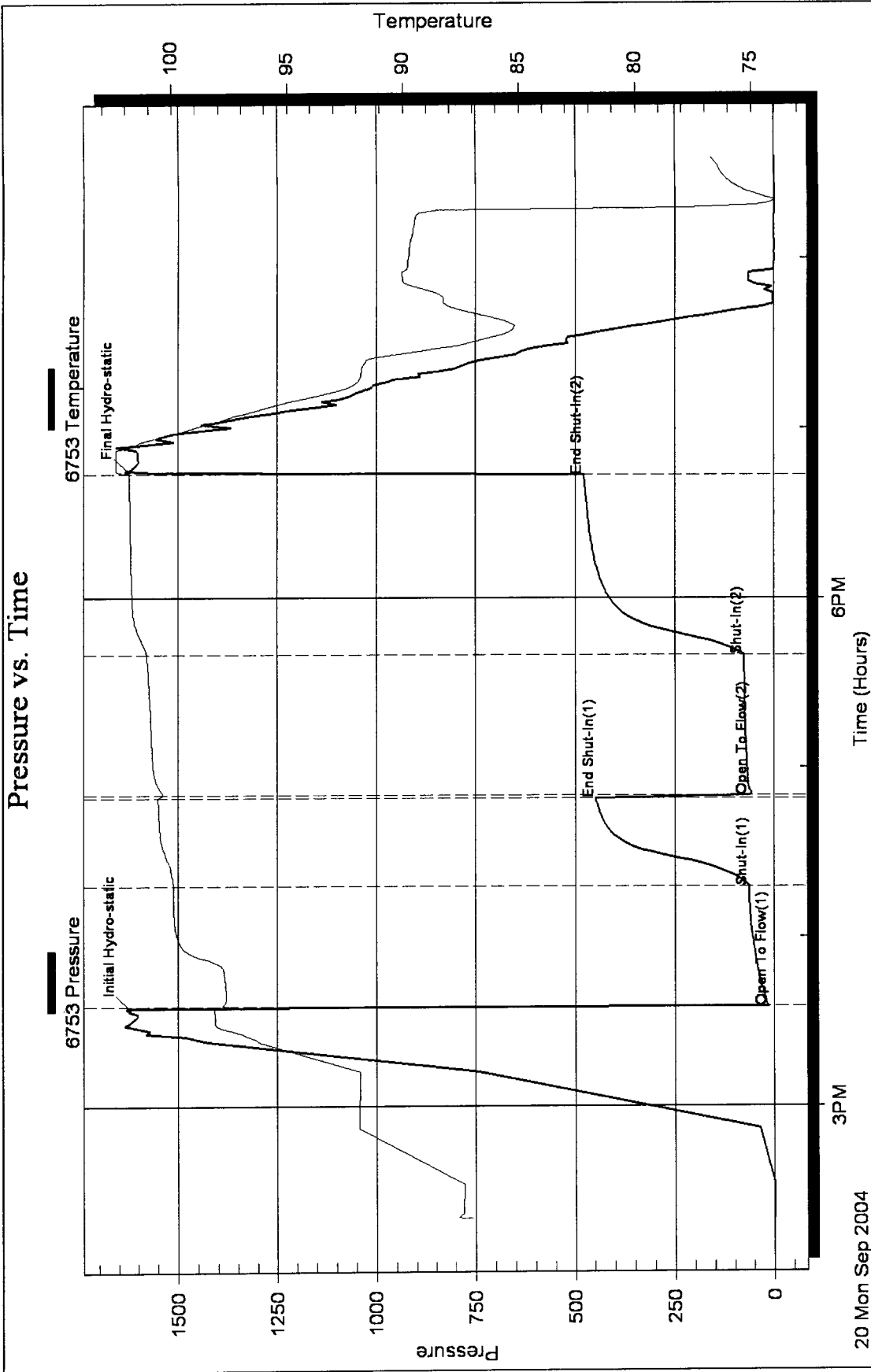
Serial #:

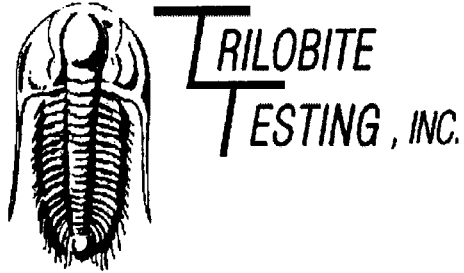
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **IA Operating Co.**

900 N Tyler Rd #14
Wichita, KS. 67212

ATTN: Randy Kilian

5-13-16-Ellis

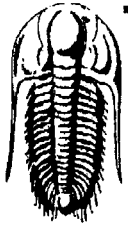
Gladys #5-1

Start Date: 2004.09.21 @ 05:38:14

End Date: 2004.09.21 @ 11:09:14

Job Ticket #: 20365 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

TOOL DIAGRAM

I A Operating Co.

Gladys #5-1

900 N Tyler Rd #14
Wichita, KS. 67212

5-13-16-Ellis

Job Ticket: 20365

DST#: 3

ATTN: Randy Kilian

Test Start: 2004.09.21 @ 05:38:14

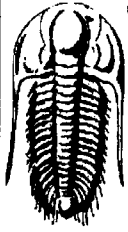
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3330.00 ft | Diameter: 3.80 inches | Volume: 46.71 bbl | Tool Weight: 2400.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 124.00 ft | Diameter: 2.25 inches | Volume: 0.61 bbl | Weight to Pull Loose: 58000.00 lb |
| | | | <u>Total Volume: 47.32 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 20.00 ft | | | String Weight: Initial 58000.00 lb |
| Depth to Top Packer: | 3455.00 ft | | | Final 58000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 35.00 ft | | | |
| Tool Length: | 56.00 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 | | | 3435.00 | |
| Shut In Tool | 5.00 | | | 3440.00 | |
| Hydraulic tool | 5.00 | | | 3445.00 | |
| Packer | 5.00 | | | 3450.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3455.00 | |
| Stubb | 1.00 | | | 3456.00 | |
| Perforations | 1.00 | | | 3457.00 | |
| Recorder | 0.00 | 6753 | Inside | 3457.00 | |
| Perforations | 30.00 | | | 3487.00 | |
| Recorder | 0.00 | 13252 | Outside | 3487.00 | |
| Bullnose | 3.00 | | | 3490.00 | 35.00 Bottom Packers & Anchor |

Total Tool Length: 56.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

IA Operating Co.

Gladys #5-1

900 N Tyler Rd #14
Wichita, KS. 67212

5-13-16-Ellis

Job Ticket: 20365

DST#: 3

ATTN: Randy Kilian

Test Start: 2004.09.21 @ 05:38:14

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: 51.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 8.79 in ³ | 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 |
|--------------|-----------------|---------------|
| 1.00 | Mud W/Oil Spots | 0.005 |

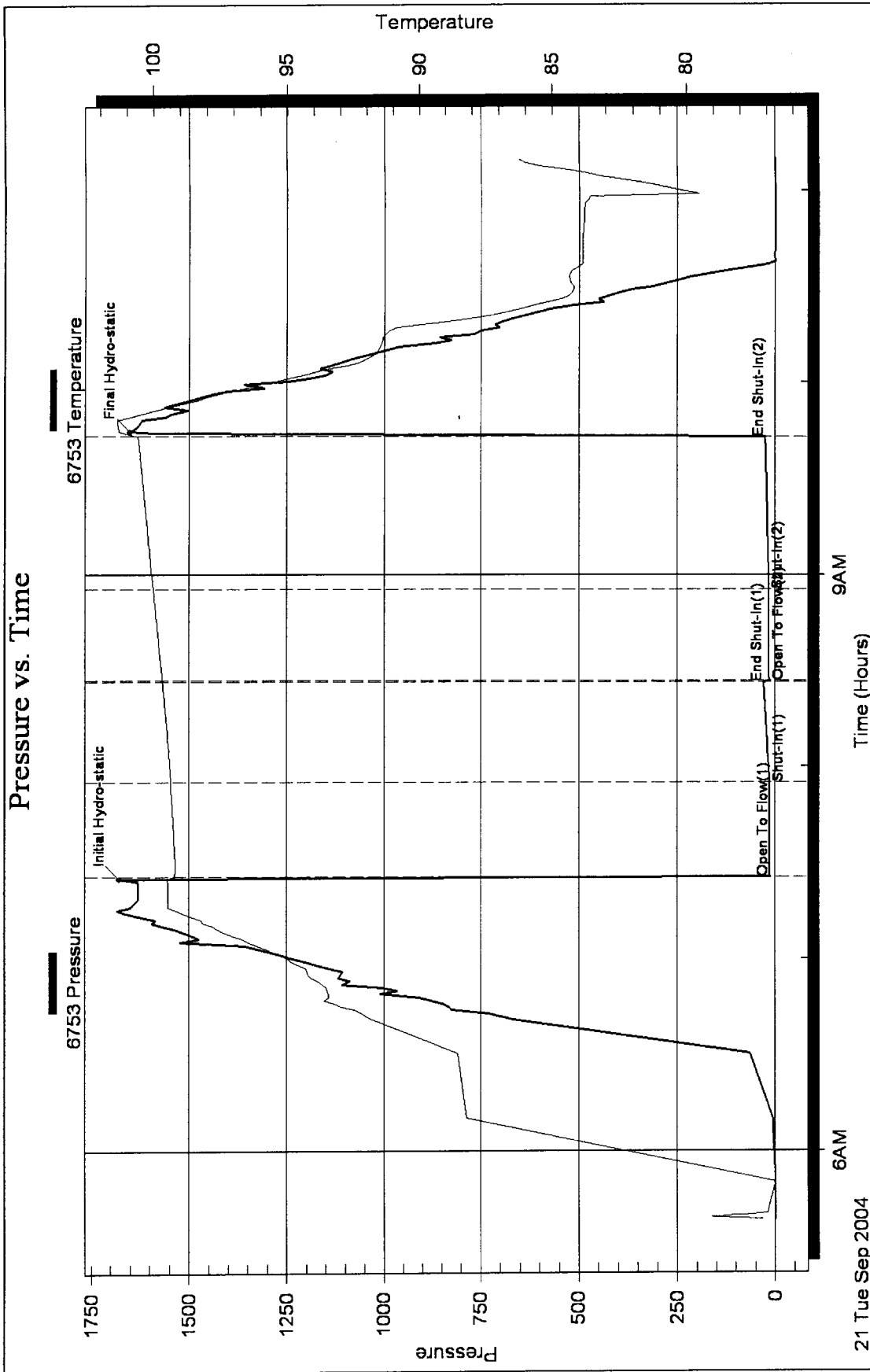
Total Length: 1.00 ft Total Volume: 0.005 bbl

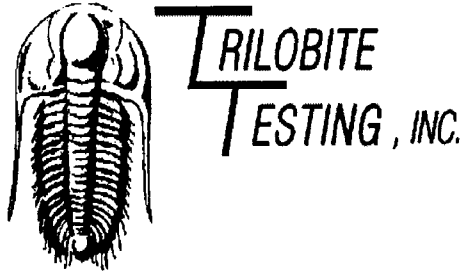
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **I A Operating Co.**

900 N Tyler Rd #14
Wichita, KS. 67212

ATTN: Randy Kilian

5-13-16-Ellis

Gladys #5-1

Start Date: 2004.09.21 @ 16:42:22

End Date: 2004.09.21 @ 19:47:52

Job Ticket #: 20366 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

I A Operating Co.

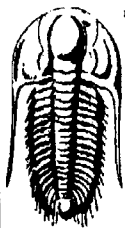
Gladys #5-1

5-13-16-Ellis

DST # 4

Arbuckle

2004.09.21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

I A Operating Co.

Gladys #5-1

900 N Tyler Rd #14
Wichita, KS. 67212

5-13-16-Ellis

Job Ticket: 20366

DST#: 4

ATTN: Randy Kilian

Test Start: 2004.09.21 @ 16:42:22

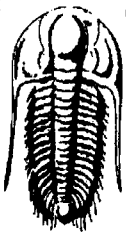
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3348.00 ft | Diameter: 3.80 inches | Volume: 46.96 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 124.00 ft | Diameter: 2.25 inches | Volume: 0.61 bbl | Weight to Pull Loose: 58000.00 lb |
| | | | <u>Total Volume: 47.57 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 4.00 ft | | | String Weight: Initial 58000.00 lb |
| Depth to Top Packer: | 3489.00 ft | | | Final 58000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 11.00 ft | | | |
| Tool Length: | 32.00 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 | | | 3469.00 | |
| Shut In Tool | 5.00 | | | 3474.00 | |
| Hydraulic tool | 5.00 | | | 3479.00 | |
| Packer | 5.00 | | | 3484.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3489.00 | |
| Stubb | 1.00 | | | 3490.00 | |
| Perforations | 2.00 | | | 3492.00 | |
| Recorder | 0.00 | 6753 | Inside | 3492.00 | |
| Perforations | 5.00 | | | 3497.00 | |
| Recorder | 0.00 | 13252 | Outside | 3497.00 | |
| Bullnose | 3.00 | | | 3500.00 | 11.00 Bottom Packers & Anchor |

Total Tool Length: 32.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

IA Operating Co.

Gladys #5-1

900 N Tyler Rd #14
Wichita, KS. 67212

5-13-16-Ellis

Job Ticket: 20366

DST#: 4

ATTN: Randy Kilian

Test Start: 2004.09.21 @ 16:42:22

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: 48.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 8.38 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 4000.00 ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 180.00 | Mud | 1.395 |

Total Length: 180.00 ft Total Volume: 1.395 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

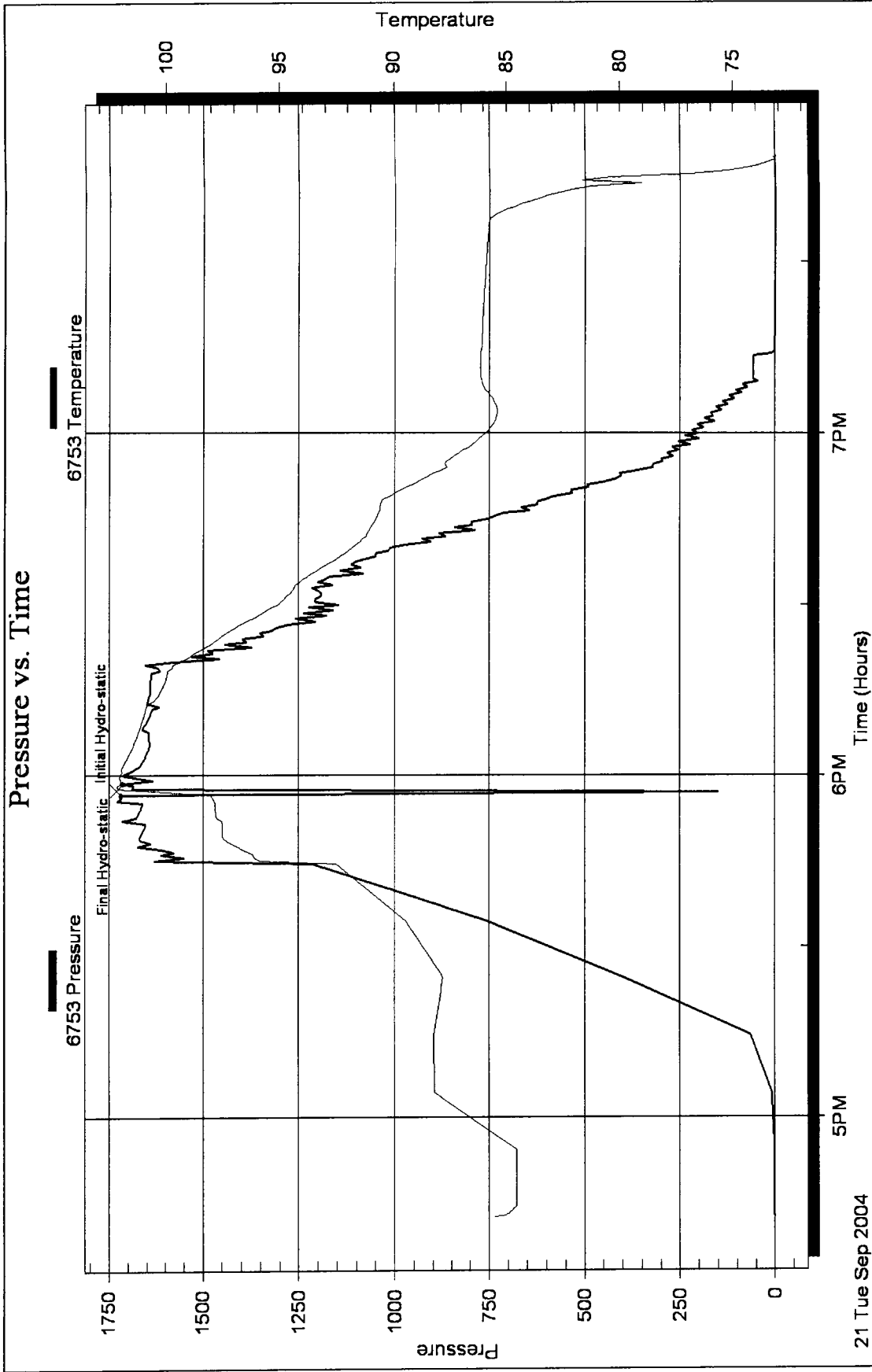
Serial #:

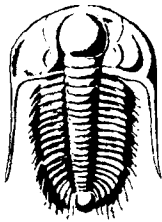
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 6804

No 20363

05/03

Test Ticket

Well Name & No. Glady's # 5-1 Test No. 1 Date 9-19-04
 Company FA Operating Co. Zone Tested Tor-Lans. AC
 Address 900 N. Tyler Rd. #14, Wichita, Ks. 67212 Elevation 1988 KB 1983 GL
 Co. Rep / Geo. Randy Kilian Cont. Murfin #16 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 5 Twp. 13 Rge. 16 Co. Ellis State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3178 - 3265 Initial Str Wt./Lbs. 57,000 Unseated Str Wt./Lbs. 60,000
 Anchor Length 87' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 61,000
 Top Packer Depth 3173 Tool Weight 3,000
 Bottom Packer Depth 3178 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3265 Wt. Pipe Run 0 Drill Collar Run 124
 Mud Wt. 8.9 LCM Tr Vis. 48 WL 8.4 Drill Pipe Size 4 1/2 X 11 Ft. Run 3066
 Blow Description Good Blow, BOB in 7 min
ISF - Blowback Built to 9"
FFP - BOB in 15 min
FSI - Blowback to BOB

Recovery - Total Feet 690 GIP 1290 Ft. in DC 124 Ft. in DP 566
 Rec. 60 Feet of HUCM 25 %gas 20 %oil %water 55 %mud
 Rec. 60 Feet of MCO 10 %gas 80 %oil %water 10 %mud
 Rec. 570 Feet of Frothy Oil + 60 %gas 20 %oil %water 20 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 101 °F Gravity 42 °API D @ 80 °F Corrected Gravity 40 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4,000 ppm System

| | AK-1 | Alpine | Recorder No. | Test |
|----------------------------------|------|-----------------|----------------------------------|--------------------------------|
| (A) Initial Hydrostatic Mud | | <u>1535</u> PSI | <u>6753</u> | ✓ <u>900</u> |
| (B) First Initial Flow Pressure | | <u>103</u> PSI | (depth) <u>3181</u> | Elec. Rec. ✓ |
| (C) First Final Flow Pressure | | <u>193</u> PSI | Recorder No. <u>13252</u> | Jars _____ |
| (D) Initial Shut-In Pressure | | <u>363</u> PSI | (depth) <u>3262</u> | Safety Jt. _____ |
| (E) Second Initial Flow Pressure | | <u>194</u> PSI | Recorder No. _____ | Circ Sub _____ |
| (F) Second Final Flow Pressure | | <u>283</u> PSI | (depth) _____ | Sampler _____ |
| (G) Final Shut-In Pressure | | <u>371</u> PSI | Initial Opening <u>30</u> | Straddle _____ |
| (Q) Final Hydrostatic Mud | | <u>1542</u> PSI | Initial Shut-In <u>30</u> | Ext. Packer _____ |
| | | | Final Flow <u>60</u> | Shale Packer _____ |
| | | | Final Shut-In <u>60</u> | Mileage <u>34</u> <u>28.90</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 _____ T-Started 13:51
 Our Representative Jason Mc Lemmon T-Open 15:42
 T-On Location 13:00 T-Pulled 18:42
 T-Out 21:40 Total: \$951.40

CHART PAGE

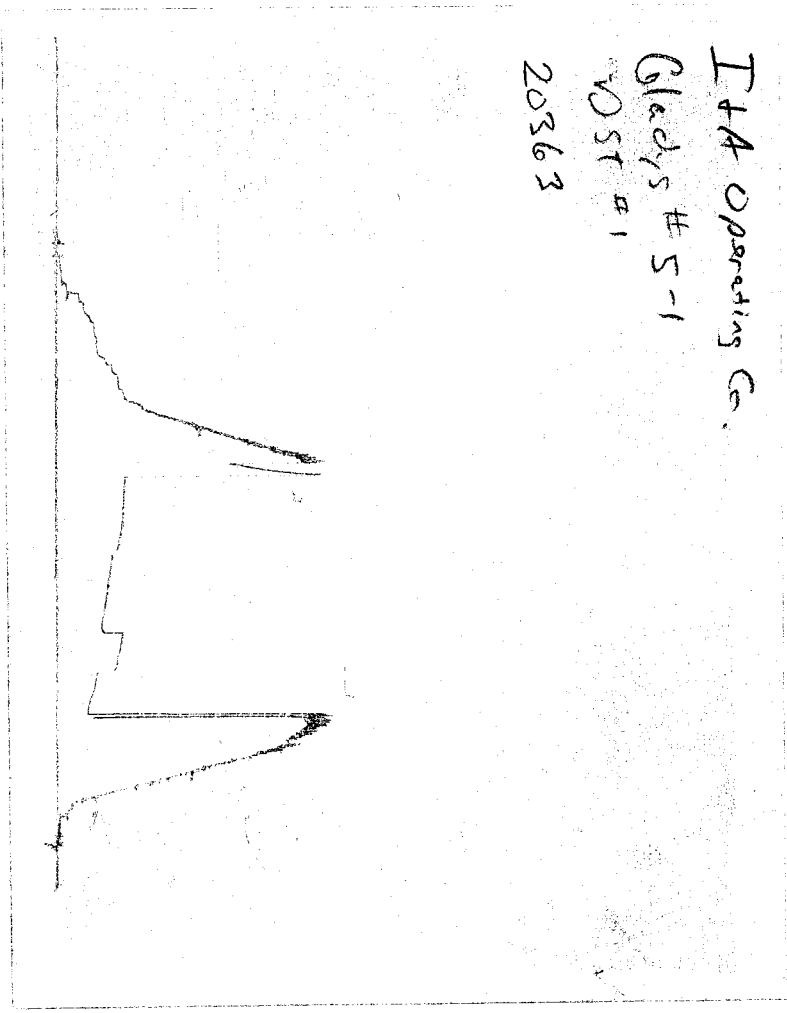
This is a photocopy of the actual AK-1 recorder chart

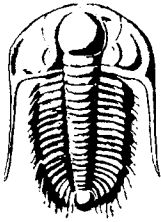
IT&A Operating Co.

Gledys # 5-1

WST # 1

20363





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20364

05/03

Test Ticket

Well Name & No. Glady's # 5-1 Test No. 2 Date 9-20-04
 Company JA Operating Co. Zone Tested LKC "I-K"
 Address 900 N. Tyler Rd, Wichita, Ks. 67212 Elevation 1988 KB 1983 GL
 Co. Rep / Geo. Randy Kilian Cont. Murfin #16 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 5 Twp. 13 Rge. 16 Co. Ellis State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3371-3445 Initial Str Wt./Lbs. 58,000 Unseated Str Wt./Lbs. 58,000
 Anchor Length 74' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 58,000
 Top Packer Depth 3366 Tool Weight 3,000
 Bottom Packer Depth 3371 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3445 Wt. Pipe Run 0 Drill Collar Run 124
 Mud Wt. 9.1 LCM Tr Vis. 43 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 3247

Blow Description IFP - Weak Blow, Built to 4"
ISI - Dead
FFP - Good Blow, Built to 9"
FSI - Surface Blowback for 15 min

Recovery - Total Feet 160 GIP 320 Ft. in DC _____ Ft. in DP 124
 Rec. 160 Feet of Frothy Oil %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 _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 102 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 5,000 ppm System

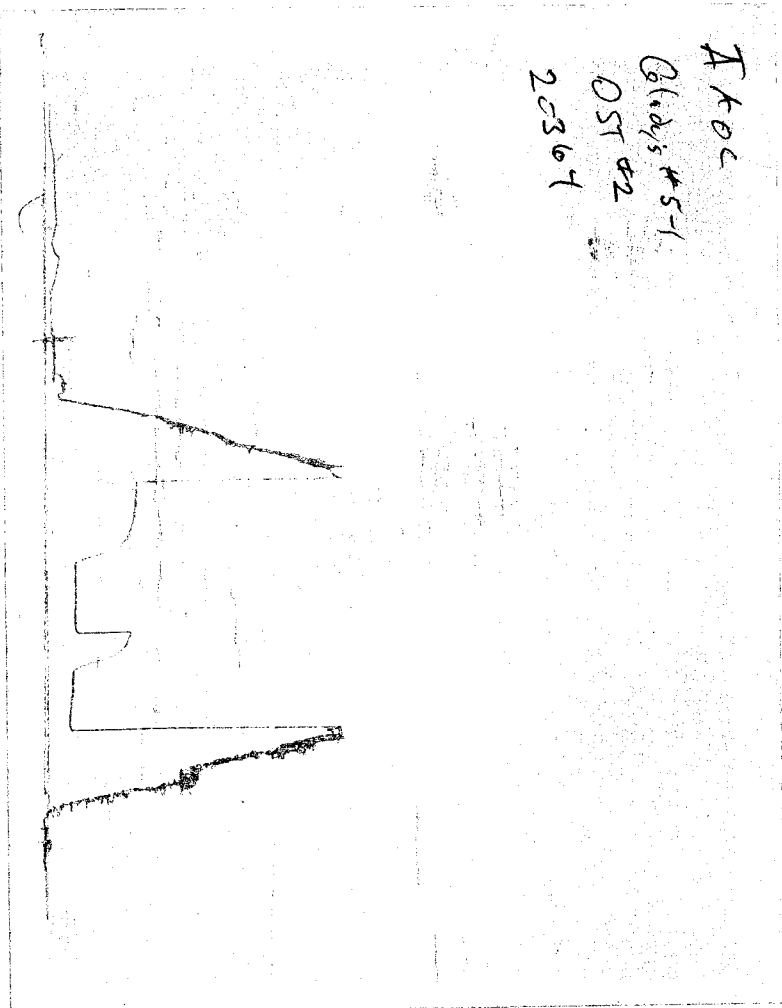
| | AK-1 | Alpine | Recorder No. | Test |
|----------------------------------|-------------|--------|-----------------------------------|--------------------------------|
| (A) Initial Hydrostatic Mud | <u>1623</u> | PSI | <u>6753</u> | ✓ <u>900</u> |
| (B) First Initial Flow Pressure | <u>14</u> | PSI | (depth) <u>3374</u> | Elec. Rec. ✓ |
| (C) First Final Flow Pressure | <u>63</u> | PSI | Recorder No. <u>13252</u> | Jars _____ |
| (D) Initial Shut-In Pressure | <u>448</u> | PSI | (depth) <u>3442</u> | Safety Jt. _____ |
| (E) Second Initial Flow Pressure | <u>63</u> | PSI | Recorder No. _____ | Circ Sub _____ |
| (F) Second Final Flow Pressure | <u>76</u> | PSI | (depth) _____ | Sampler _____ |
| (G) Final Shut-In Pressure | <u>477</u> | PSI | Initial Opening <u>30</u> | Straddle _____ |
| (Q) Final Hydrostatic Mud | <u>1627</u> | PSI | Initial Shut-In <u>30</u> | Ext. Packer _____ |
| | | | Final Flow <u>60</u> | Shale Packer _____ |
| | | | Final Shut-In <u>60</u> | Mileage <u>34</u> <u>29.90</u> |
| | | | T-On Location <u>13:30</u> | Sub Total: <u>928.90</u> |
| | | | T-Started <u>14:20</u> | Std. By _____ |
| | | | T-Open <u>15:35</u> | Other _____ |
| | | | T-Pulled <u>18:35</u> | Total: _____ |
| | | | T-Out <u>20:30</u> | |

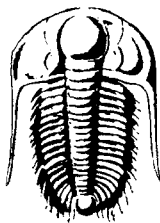
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By _____
 Our Representative Jason Mc Lane *Thank you*

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20365

05/03

Test Ticket

Well Name & No. Gladys #5-1 Test No. 3 Date 9-21-04
 Company IA Operating Co. Zone Tested Arbuckle
 Address 900 N. Tyler Rd. #14, Wichita Ks, 67212 Elevation 1988 KB 1983 GL
 Co. Rep / Geo. Randy Kilian Cont. Murfin #16 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 5 Twp. 13 Rge. 16 Co. Ellis State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3455-3490 Initial Str Wt./Lbs. 58,000 Unseated Str Wt./Lbs. 58,000
 Anchor Length 35' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 58,000
 Top Packer Depth 3450 Tool Weight 2400
 Bottom Packer Depth 3455 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3490 Wt. Pipe Run 0 Drill Collar Run 124
 Mud Wt. 9.1 LCM Tf Vis. 51 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run _____

Blow Description FFP - Weak Surface Blow for 2 min., DIED
ISI - Dead
FFP - Dead
FSI - Dead

| Recovery - Total Feet | GIP | Ft. in DC | Ft. in DP |
|-----------------------|--------------------------------|-----------|-----------|
| Rec. <u>1</u> | Feet of <u>Mud w/oil spots</u> | %gas | %oil |
| Rec. _____ | Feet of _____ | %gas | %oil |
| Rec. _____ | Feet of _____ | %gas | %oil |
| Rec. _____ | Feet of _____ | %gas | %oil |
| Rec. _____ | Feet of _____ | %gas | %oil |

BHT _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 5,000 ppm System

| (A) Initial Hydrostatic Mud | AK-1 | Alpine | PSI | Recorder No. | Test |
|----------------------------------|-------------|-------------|-----|----------------------------------|--------------------------------|
| (B) First Initial Flow Pressure | <u>13</u> | <u>1678</u> | PSI | <u>6753</u> | ✓ <u>900</u> |
| (C) First Final Flow Pressure | <u>14</u> | <u>13</u> | PSI | <u>3457</u> | Elec. Rec. ✓ |
| (D) Initial Shut-In Pressure | <u>28</u> | <u>14</u> | PSI | <u>13252</u> | Jars _____ |
| (E) Second Initial Flow Pressure | <u>15</u> | <u>28</u> | PSI | <u>3487</u> | Safety Jt. _____ |
| (F) Second Final Flow Pressure | <u>15</u> | <u>15</u> | PSI | Recorder No. _____ | Circ Sub _____ |
| (G) Final Shut-In Pressure | <u>24</u> | <u>15</u> | PSI | (depth) _____ | Sampler _____ |
| (Q) Final Hydrostatic Mud | <u>1651</u> | <u>24</u> | PSI | Initial Opening <u>30</u> | Straddle _____ |
| | | | | Initial Shut-In <u>30</u> | Ext. Packer _____ |
| | | | | Final Flow <u>30</u> | Shale Packer _____ |
| | | | | Final Shut-In <u>45</u> | Mileage <u>118</u> <u>1600</u> |

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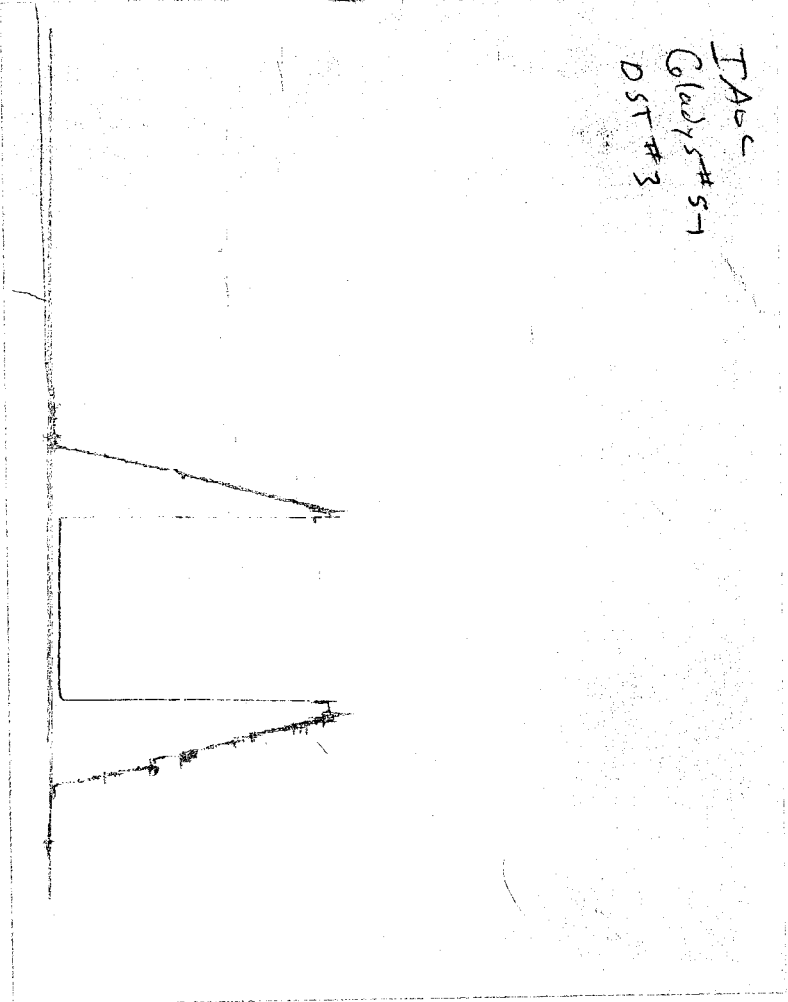
Approved By _____ T-Started 5:38
 Our Representative Jason Mc Lemore T-Open 7:24
 T-Pulled 9:38
 T-Out 11:05

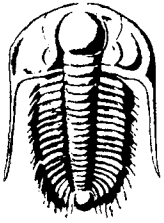
Sub Total: 928.90
 Total: _____

CHART PAGE

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

IASC
Cable # 5-1
DST # 3





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20366

05/03

Test Ticket

Well Name & No. Colady #5-1 Test No. 4 Date 9-21-04
 Company IA Operating Co. Zone Tested Arbuckle
 Address 900 N Tyler Rd. #14, Wichita, Ks 67212 Elevation ~~1983~~ KB 1983 GL
 Co. Rep / Geo. Randy Kelian Cont. Martin #16 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 5 Twp. 13 Rge. 16 Co. Ellis State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3489-3500 Initial Str Wt./Lbs. 58,000 Unseated Str Wt./Lbs. 58,000
 Anchor Length 11' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 58,000
 Top Packer Depth 3484 Tool Weight 2000
 Bottom Packer Depth 3489 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3500 Wt. Pipe Run 0 Drill Collar Run 124
 Mud Wt. 9.1 LCM _____ Vis. 51 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run _____
 Blow Description TFP- Packer Failure

IST-
FFP-
FST-

| Recovery - Total Feet | GIP | Ft. in DC | Ft. in DP |
|-----------------------|--------------------|-----------|-----------|
| Rec. <u>180</u> | Feet of <u>Mud</u> | %gas | %oil |
| Rec. _____ | Feet of _____ | %gas | %oil |
| Rec. _____ | Feet of _____ | %gas | %oil |
| Rec. _____ | Feet of _____ | %gas | %oil |
| Rec. _____ | Feet of _____ | %gas | %oil |

BHT _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 5,000 ppm System

| | AK-1 | Alpine | PSI | Recorder No. | Test |
|----------------------------------|------|--------|-----|--------------|--------------|
| (A) Initial Hydrostatic Mud | | | | <u>6753</u> | ✓ <u>550</u> |
| (B) First Initial Flow Pressure | | | | <u>3491</u> | ✓ |
| (C) First Final Flow Pressure | | | | <u>13252</u> | |
| (D) Initial Shut-In Pressure | | | | <u>3497</u> | |
| (E) Second Initial Flow Pressure | | | | | |
| (F) Second Final Flow Pressure | | | | | |
| (G) Final Shut-In Pressure | | | | | |
| (Q) Final Hydrostatic Mud | | | | | |

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Approved By _____
 Our Representative Jason Mc Lemore *Thank You*

Initial Opening _____
 Initial Shut-In _____
 Final Flow _____
 Final Shut-In _____
 T-On Location 15:45
 T-Started 16:42
 T-Open _____
 T-Pulled _____
 T-Out 19:45

Mileage 3476 28.90
 Sub Total: 578.90
 Std. By _____
 Other _____
 Total: 578.90

CHART PAGE

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

