

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

P.O.Box 352
Russell,Ks.67665

ATTN: John O.Farmer IV

34--12s--17w

Schmidt # 1

Start Date: 2004.05.23 @ 18:40:37

End Date: 2004.05.24 @ 00:42:37

Job Ticket #: 19430 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc

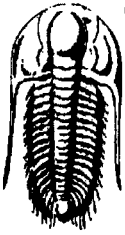
Schmidt # 1

34--12s--17w

DST # 1

Platsm.-Tron.

2004.05.23



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell,Ks.67665

34-12s-17w

Job Ticket: 19430

DST#: 1

ATTN: John O.Farmer IV

Test Start: 2004.05.23 @ 18:40:37

GENERAL INFORMATION:

Formation: **Platm.-Tron.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:50:37

Time Test Ended: 00:42:37

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: 3223.00 ft (KB) To 3313.00 ft (KB) (TVD)

Reference Elevations: 2962.00 ft (KB)

Total Depth: 3313.00 ft (KB) (TVD)

2554.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 408.00 ft

Serial #: 6741

Inside

Press@RunDepth: 17.29 psig @ 3227.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2004.05.23

End Date:

2004.05.24

Last Calib.: 2004.05.24

Start Time: 18:40:38

End Time:

00:42:37

Time On Btm: 2004.05.23 @ 20:50:07

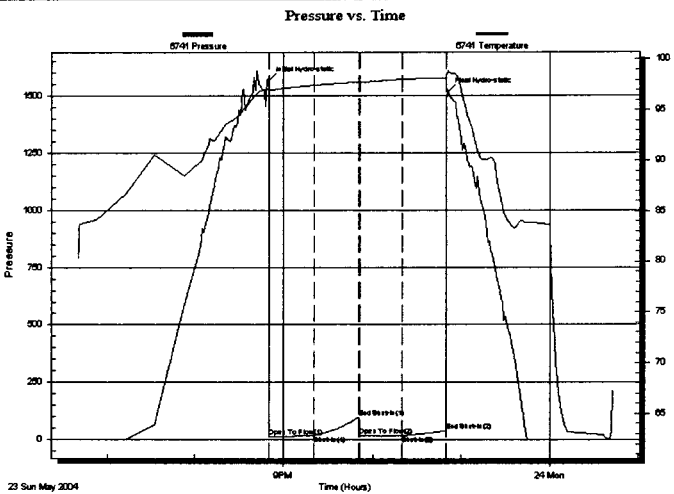
Time Off Btm: 2004.05.23 @ 22:51:07

TEST COMMENT: F-Weak Dead in 15 min.

ISI-Dead

FF-Dead

FSI-Dead



PRESSURE SUMMARY

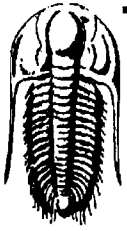
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1568.68	97.13	Initial Hydro-static
1	12.93	96.97	Open To Flow (1)
31	16.72	97.47	Shut-In(1)
60	96.37	97.78	End Shut-In(1)
61	16.89	97.76	Open To Flow (2)
90	17.29	98.03	Shut-In(2)
120	38.67	98.19	End Shut-In(2)
121	1518.60	98.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM-3%oil-97%mud	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell,Ks.67665

34-12s-17w

Job Ticket: 19430

DST#: 1

ATTN: John O.Farmer IV

Test Start: 2004.05.23 @ 18:40:37

Tool Information

Drill Pipe:	Length: 3236.00 ft	Diameter: 3.80 inches	Volume: 45.39 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 45.39 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3223.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	110.00 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			3204.00	
Shut In Tool	5.00			3209.00	
Hydraulic tool	5.00			3214.00	
Packer	4.00			3218.00	20.00 Bottom Of Top Packer
Packer	5.00			3223.00	
Stubb	1.00			3224.00	
Perforations	2.00			3226.00	
Change Over Sub	1.00			3227.00	
Recorder	0.00	6741	Inside	3227.00	
Blank Spacing	62.00			3289.00	
Change Over Sub	1.00			3290.00	
Recorder	0.00	11084	Outside	3290.00	
Perforations	20.00			3310.00	
Bullnose	3.00			3313.00	90.00 Bottom Packers & Anchor

Total Tool Length: 110.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell,Ks.67665

34-12s-17w

Job Ticket: 19430

DST#: 1

ATTN: John O.Farmer IV

Test Start: 2004.05.23 @ 18:40:37

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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.35 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SOCM-3%oil-97%mud	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6741

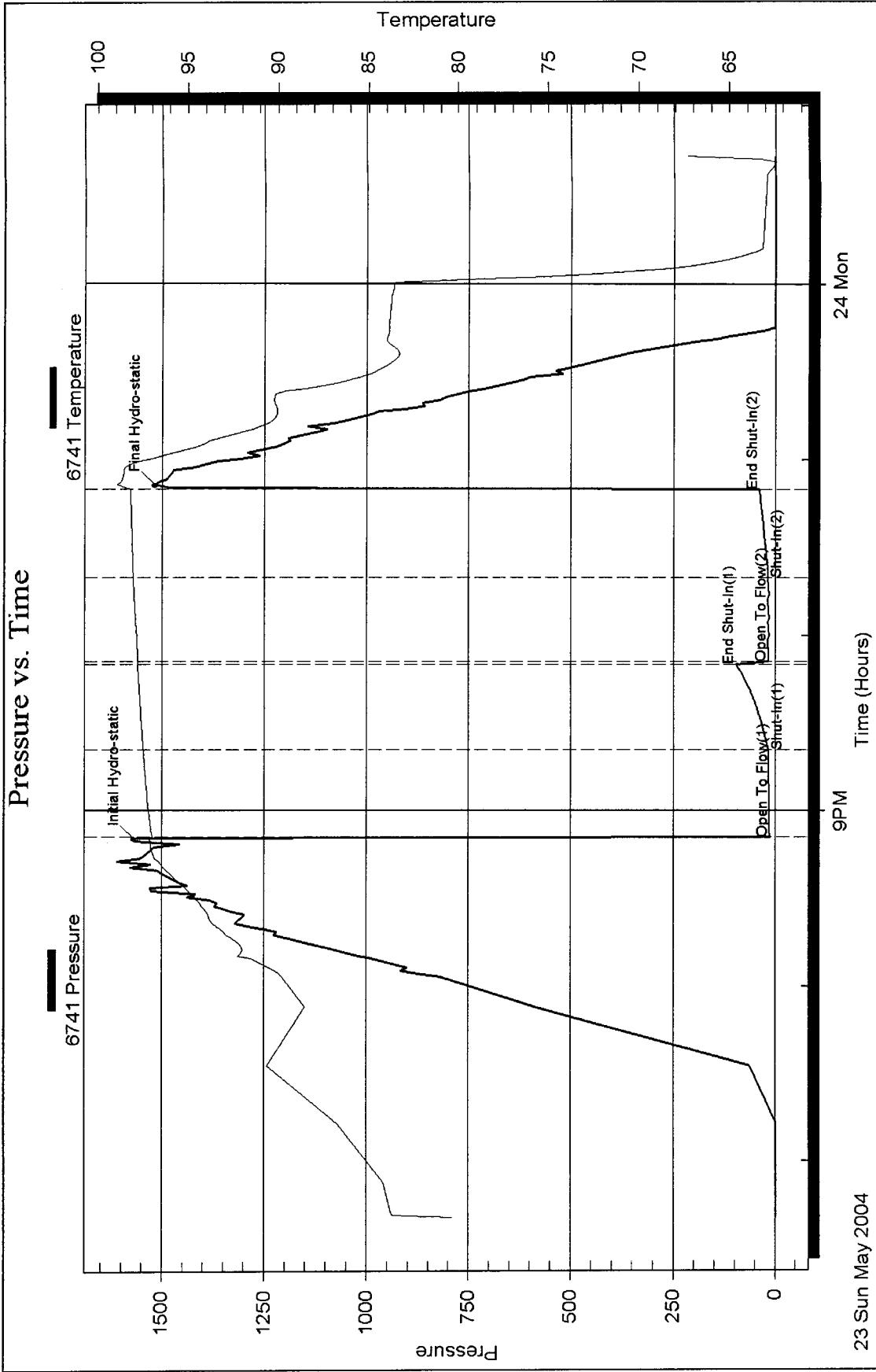
Inside

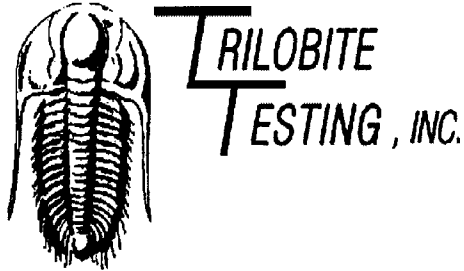
John O Farmer Inc

34--12s--17w

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

P.O.Box 352
Russell, Ks. 67665

ATTN: John O. Farmer IV

34--12s--17w

Schmidt # 1

Start Date: 2004.05.24 @ 06:56:06

End Date: 2004.05.24 @ 11:40:36

Job Ticket #: 19431 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc

Schmidt # 1

34--12s--17w

DST # 2

L.Kc.-C

2004.05.24



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell, Ks. 67665

34-12s-17w

Job Ticket: 19431

DST#: 2

ATTN: John O. Farmer IV

Test Start: 2004.05.24 @ 06:56:06

GENERAL INFORMATION:

Formation: **L.Kc.-C**

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

Time Tool Opened: 08:24:36

Time Test Ended: 11:40:36

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3301.00 ft (KB) To 3360.00 ft (KB) (TVD)**

Reference Elevations: **2962.00 ft (KB)**

Total Depth: **3360.00 ft (KB) (TVD)**

2554.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **408.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **12.91 psig @ 3305.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.05.24**

End Date:

2004.05.24

Last Calib.: **2004.05.24**

Start Time: **06:56:07**

End Time:

11:40:36

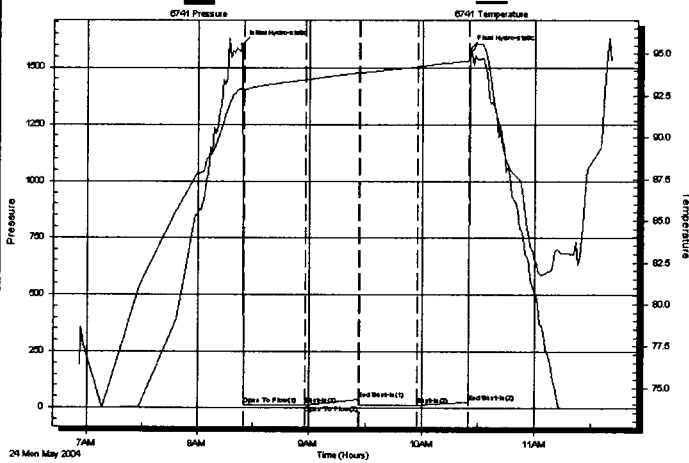
Time On Btm: **2004.05.24 @ 08:23:36**

Time Off Btm: **2004.05.24 @ 10:25:36**

TEST COMMENT: **F-Weak Dead in 8 min.
FF-Dead**

**ISI-Dead
FSI-Dead**

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1603.25	93.00	Initial Hydro-static
1	12.04	92.76	Open To Flow (1)
34	12.98	93.44	Shut-In (1)
63	38.40	93.87	End Shut-In (1)
63	12.99	93.86	Open To Flow (2)
94	12.91	94.23	Shut-In (2)
122	27.97	94.59	End Shut-In (2)
122	1580.63	94.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling mud with oil spots	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell, Ks. 67665

34-12s-17w

Job Ticket: 19431

DST#: 2

ATTN: John O. Farmer IV

Test Start: 2004.05.24 @ 06:56:06

Tool Information

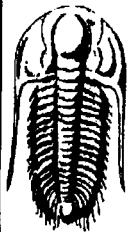
Drill Pipe:	Length: 3299.00 ft	Diameter: 3.80 inches	Volume: 46.28 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 46.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3301.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.00 ft			
Tool Length:	79.00 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			3282.00	
Shut In Tool	5.00			3287.00	
Hydraulic tool	5.00			3292.00	
Packer	4.00			3296.00	20.00 Bottom Of Top Packer
Packer	5.00			3301.00	
Stubb	1.00			3302.00	
Perforations	2.00			3304.00	
Change Over Sub	1.00			3305.00	
Recorder	0.00	6741	Inside	3305.00	
Blank Spacing	31.00			3336.00	
Change Over Sub	1.00			3337.00	
Recorder	0.00	11084	Outside	3337.00	
Perforations	20.00			3357.00	
Bullnose	3.00			3360.00	59.00 Bottom Packers & Anchor

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell, Ks. 67665

34-12s-17w

Job Ticket: 19431

DST#: 2

ATTN: John O.Farmer IV

Test Start: 2004.05.24 @ 06:56:06

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.34 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling mud w ith oil spots	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6741

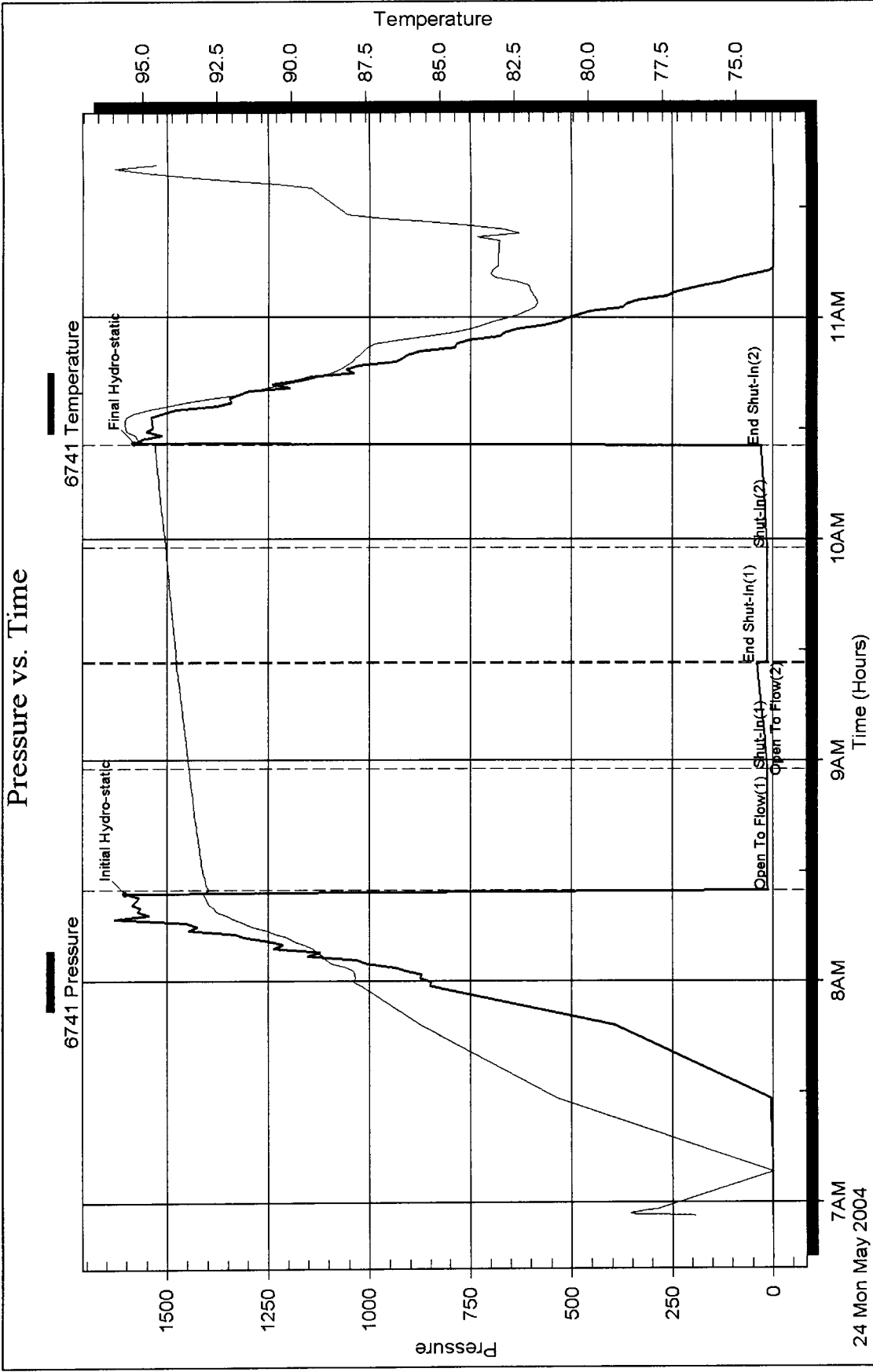
Inside

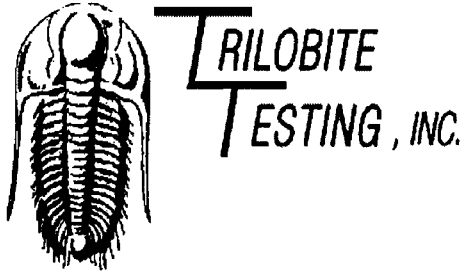
John O Farmer Inc

34--12s--17w

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

P.O.Box 352
Russell, Ks. 67665

ATTN: John O. Farmer IV

34--12s--17w

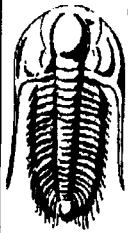
Schmidt # 1

Start Date: 2004.05.24 @ 16:39:27

End Date: 2004.05.24 @ 21:43:27

Job Ticket #: 19432 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

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell,Ks.67665

34-12s-17w

Job Ticket: 19432

DST#: 3

ATTN: John O.Farmer IV

Test Start: 2004.05.24 @ 16:39:27

GENERAL INFORMATION:

Formation: **L.Kc.-D**

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

Time Tool Opened: 18:11:57

Time Test Ended: 21:43:27

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3353.00 ft (KB) To 3380.00 ft (KB) (TVD)**

Reference Elevations: **2962.00 ft (KB)**

Total Depth: **3380.00 ft (KB) (TVD)**

2554.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **408.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **16.12 psig @ 3357.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.05.24**

End Date:

2004.05.24

Last Calib.: **2004.05.24**

Start Time: **16:39:28**

End Time:

21:43:27

Time On Btm: **2004.05.24 @ 18:11:27**

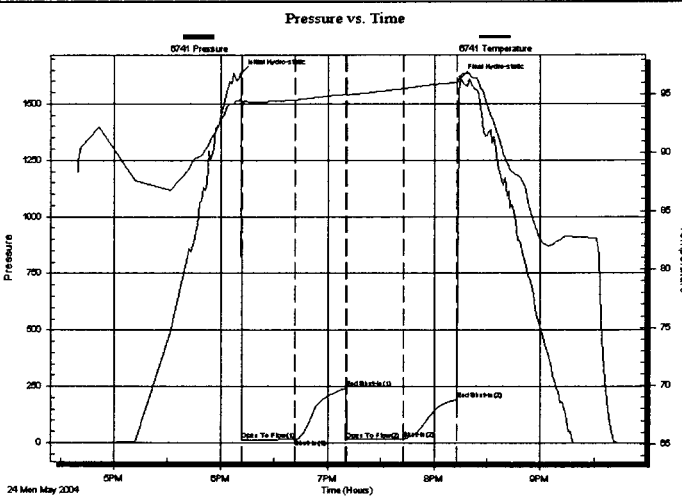
Time Off Btm: **2004.05.24 @ 20:14:57**

TEST COMMENT: **F-Weak Dead in 5 min.**

ISI-Dead

FF-Dead

FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1634.66	94.62	Initial Hydro-static
1	11.59	93.96	Open To Flow (1)
30	15.13	94.56	Shut-In(1)
59	242.48	95.03	End Shut-In(1)
60	15.12	94.98	Open To Flow (2)
91	16.12	95.52	Shut-In(2)
122	192.69	96.06	End Shut-In(2)
124	1615.69	96.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling mud with oilspots	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell, Ks. 67665

34-12s-17w

Job Ticket: 19432

DST#: 3

ATTN: John O. Farmer IV

Test Start: 2004.05.24 @ 16:39:27

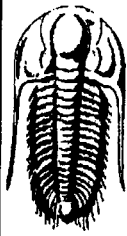
Tool Information

Drill Pipe:	Length: 3362.00 ft	Diameter: 3.80 inches	Volume: 47.16 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 55000.00 lb
			<u>Total Volume: 47.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3353.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	47.00 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			3334.00	
Shut In Tool	5.00			3339.00	
Hydraulic tool	5.00			3344.00	
Packer	4.00			3348.00	20.00 Bottom Of Top Packer
Packer	5.00			3353.00	
Stubb	1.00			3354.00	
Perforations	3.00			3357.00	
Recorder	0.00	6741	Inside	3357.00	
Perforations	20.00			3377.00	
Recorder	0.00	11084	Outside	3377.00	
Bullnose	3.00			3380.00	27.00 Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell, Ks. 67665

34-12s-17w

Job Ticket: 19432

DST#: 3

ATTN: John O. Farmer IV

Test Start: 2004.05.24 @ 16:39:27

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.35 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling mud with oilspots	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

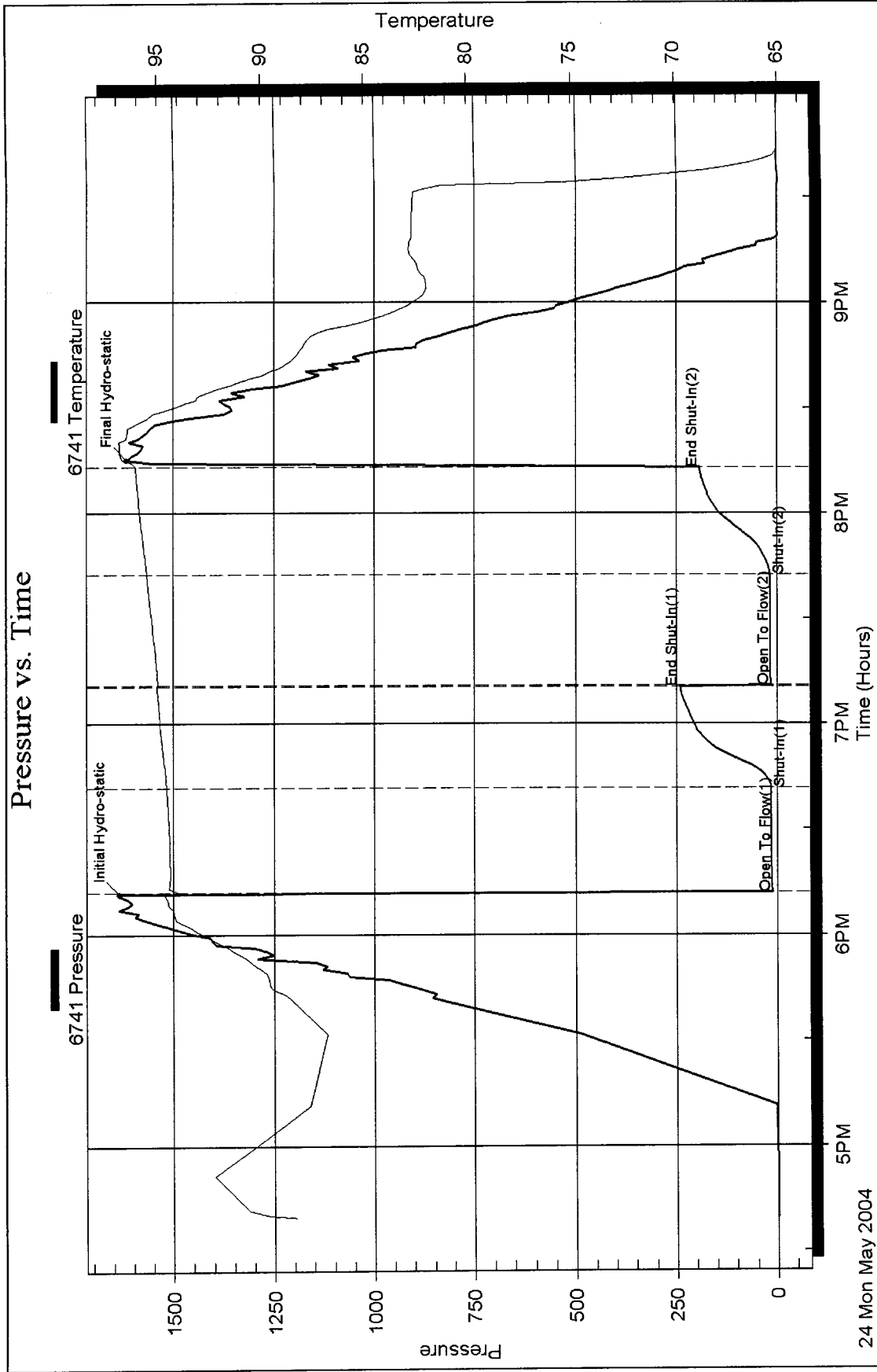
Serial #:

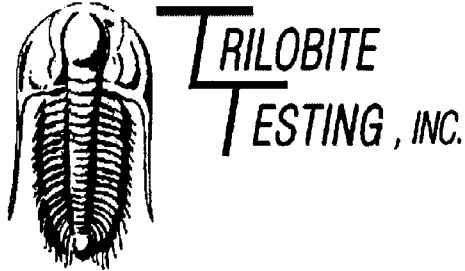
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

P.O.Box 352
Russell,Ks.67665

ATTN: John O.Farmer IV

34--12s--17w

Schmidt # 1

Start Date: 2004.05.25 @ 04:55:33

End Date: 2004.05.25 @ 10:38:33

Job Ticket #: 19433 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc

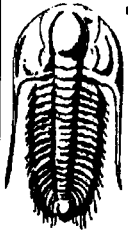
Schmidt # 1

34--12s--17w

DST # 4

L.Kc.-E-G

2004.05.25



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell,Ks.67665

34-12s-17w

Job Ticket: 19433

DST#: 4

ATTN: John O.Farmer IV

Test Start: 2004.05.25 @ 04:55:33

GENERAL INFORMATION:

Formation: **L.Kc.-E-G**

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

Time Tool Opened: 06:35:03

Time Test Ended: 10:38:33

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3370.00 ft (KB) To 3420.00 ft (KB) (TVD)**

Reference Elevations: **2962.00 ft (KB)**

Total Depth: **3420.00 ft (KB) (TVD)**

2554.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **408.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **40.26 psig @ 3373.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.05.25**

End Date:

2004.05.25

Last Calib.: **2004.05.25**

Start Time: **04:55:34**

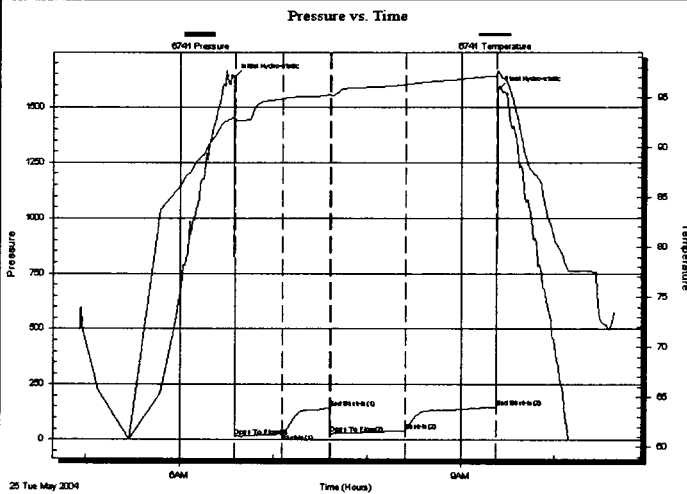
End Time:

10:38:33

Time On Btm: **2004.05.25 @ 06:34:33**

Time Off Btm: **2004.05.25 @ 09:23:03**

TEST COMMENT: **F-Weak 1" decrease to 1/2" in. ISI-Dead**
FF-Weak2" decrease to 1" in. FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1633.56	93.06	Initial Hydro-static
1	13.83	92.82	Open To Flow (1)
31	25.79	94.87	Shut-In(1)
61	144.09	95.29	End Shut-In(1)
62	27.52	95.22	Open To Flow (2)
110	40.26	96.28	Shut-In(2)
168	149.04	97.14	End Shut-In(2)
169	1578.41	97.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
69.00	OCM 15%oil-85%mud	0.97

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell, Ks. 67665

34-12s-17w

Job Ticket: 19433

DST#: 4

ATTN: John O. Farmer IV

Test Start: 2004.05.25 @ 04:55:33

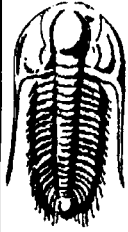
Tool Information

Drill Pipe:	Length: 3362.00 ft	Diameter: 3.80 inches	Volume: 47.16 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 47.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3370.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	70.00 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	4.00			3365.00	20.00 Bottom Of Top Packer
Packer	5.00			3370.00	
Stubb	1.00			3371.00	
Perforations	1.00			3372.00	
Change Over Sub	1.00			3373.00	
Recorder	0.00	6741	Inside	3373.00	
Blank Spacing	31.00			3404.00	
Change Over Sub	1.00			3405.00	
Recorder	0.00	11084	Outside	3405.00	
Perforations	12.00			3417.00	
Bullnose	3.00			3420.00	50.00 Bottom Packers & Anchor

Total Tool Length: 70.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell, Ks. 67665

34-12s-17w

Job Ticket: 19433

DST#: 4

ATTN: John O.Farmer IV

Test Start: 2004.05.25 @ 04:55:33

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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.35 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
69.00	OCM 15%oil-85%mud	0.968

Total Length: 69.00 ft Total Volume: 0.968 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

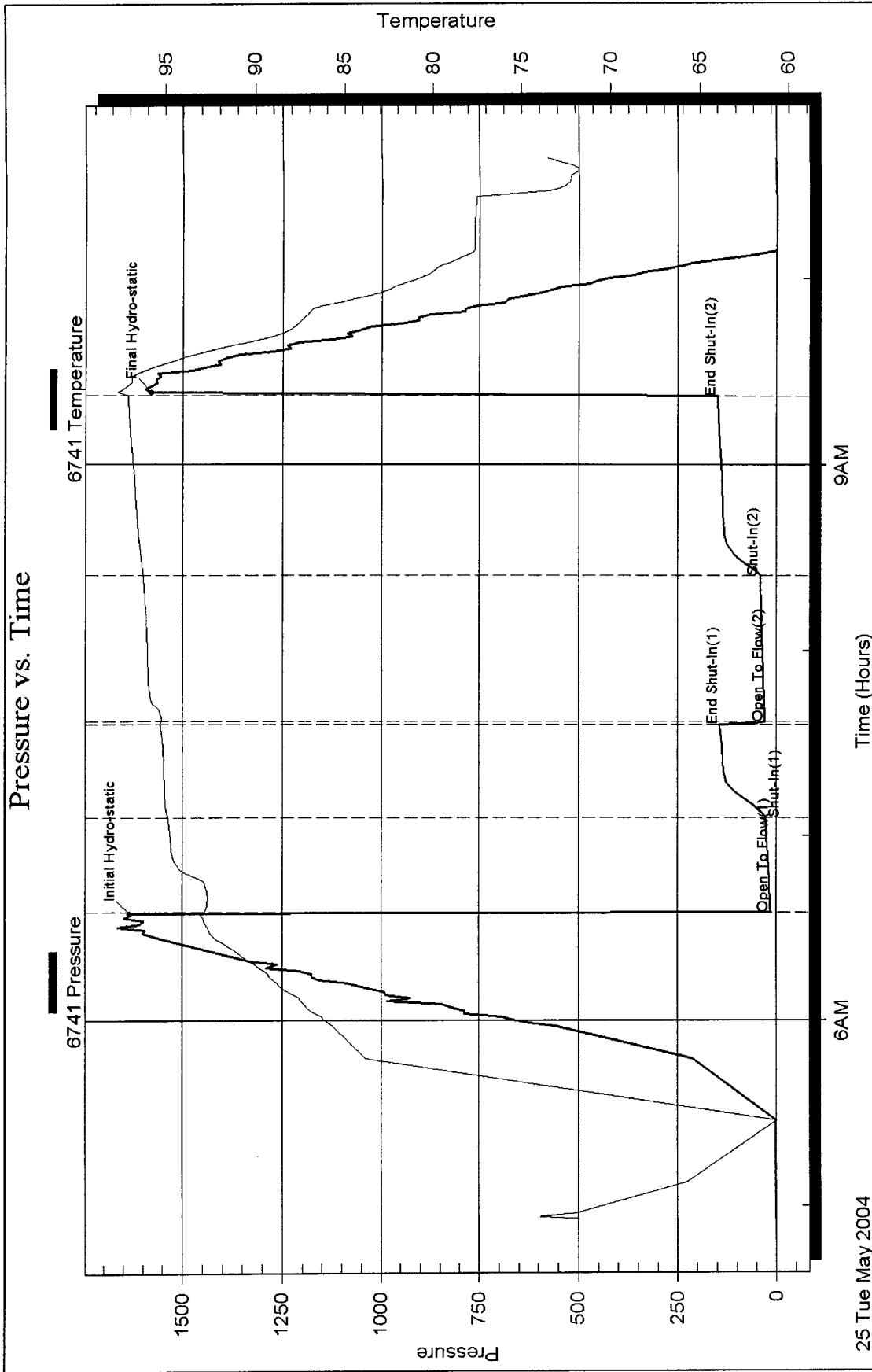
Serial #: 6741

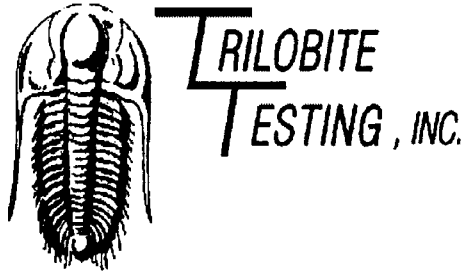
Inside

John O Farmer Inc

34--12s--17w

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

P.O.Box 352
Russell,Ks.67665

ATTN: John O.Farmer IV

34--12s--17w

Schmidt # 1

Start Date: 2004.05.25 @ 21:42:12

End Date: 2004.05.26 @ 02:55:42

Job Ticket #: 19434 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc

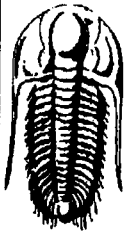
Schmidt # 1

34--12s--17w

DST # 5

L.Kc.-I-J

2004.05.25



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell, Ks. 67665

34-12s-17w

Job Ticket: 19434

DST#: 5

ATTN: John O.Farmer IV

Test Start: 2004.05.25 @ 21:42:12

GENERAL INFORMATION:

Formation: **L.Kc.-I-J**

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

Time Tool Opened: 23:29:12

Time Test Ended: 02:55:42

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3462.00 ft (KB) To 3540.00 ft (KB) (TVD)**

Reference Elevations: **2962.00 ft (KB)**

Total Depth: **3540.00 ft (KB) (TVD)**

2554.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **408.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **17.61 psig @ 3465.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.05.25**

End Date:

2004.05.26

Last Calib.: **2004.05.26**

Start Time: **21:42:13**

End Time:

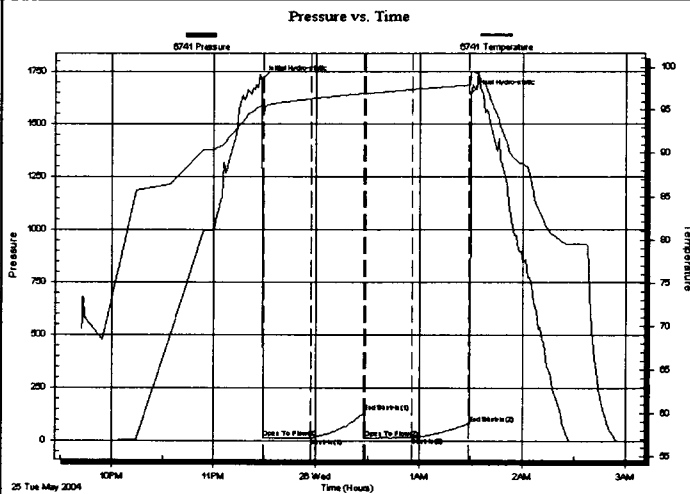
02:55:42

Time On Btm: **2004.05.25 @ 23:28:12**

Time Off Btm: **2004.05.26 @ 01:29:42**

TEST COMMENT: **F-Weak Dead in 5 min.
FF-Weak Dead in 10 min.**

**ISI-Dead
FSI-Dead**



PRESSURE SUMMARY

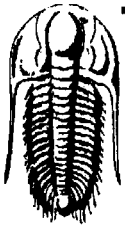
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1714.32	95.49	Initial Hydro-static
1	13.61	94.67	Open To Flow (1)
29	16.29	96.31	Shut-In(1)
60	137.89	96.95	End Shut-In(1)
61	12.86	96.92	Open To Flow (2)
88	17.61	97.40	Shut-In(2)
121	84.05	97.89	End Shut-In(2)
122	1644.17	98.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 15% oil 85% mud	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell, Ks. 67665

34-12s-17w

Job Ticket: 19434

DST#: 5

ATTN: John O.Farmer IV

Test Start: 2004.05.25 @ 21:42:12

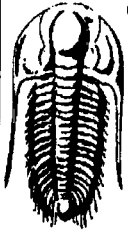
Tool Information

Drill Pipe:	Length: 3456.00 ft	Diameter: 3.80 inches	Volume: 48.48 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 48.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3462.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	98.00 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			3443.00	
Shut In Tool	5.00			3448.00	
Hydraulic tool	5.00			3453.00	
Packer	4.00			3457.00	20.00 Bottom Of Top Packer
Packer	5.00			3462.00	
Stubb	1.00			3463.00	
Perforations	1.00			3464.00	
Change Over Sub	1.00			3465.00	
Recorder	0.00	6741	Inside	3465.00	
Blank Spacing	61.00			3526.00	
Change Over Sub	1.00			3527.00	
Recorder	0.00	11084	Outside	3527.00	
Perforations	10.00			3537.00	
Bullnose	3.00			3540.00	78.00 Bottom Packers & Anchor

Total Tool Length: 98.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell, Ks. 67665

34-12s-17w

Job Ticket: 19434

DST#: 5

ATTN: John O.Farmer IV

Test Start: 2004.05.25 @ 21:42:12

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:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OCM 15% oil 85% mud	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6741

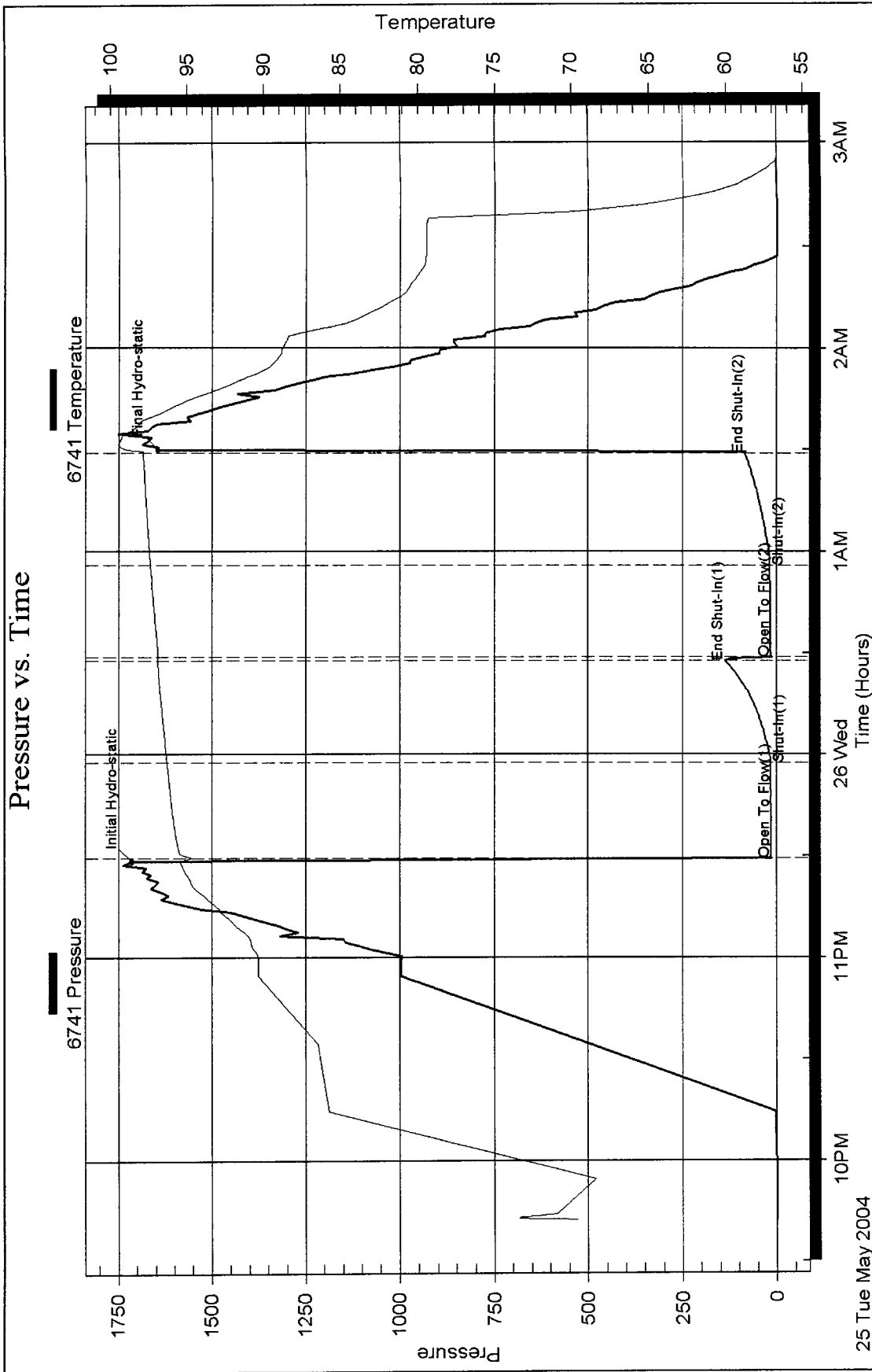
Inside

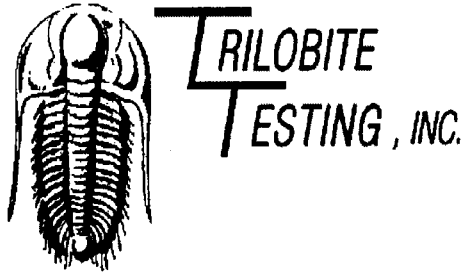
John O Farmer Inc

34--12s--17w

DST Test Number: 5

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

P.O.Box 352
Russell, Ks. 67665

ATTN: John O. Farmer IV

34--12s--17w

Schmidt # 1

Start Date: 2004.05.26 @ 11:29:43

End Date: 2004.05.26 @ 16:42:13

Job Ticket #: 19435 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc

Schmidt # 1

34--12s--17w

DST # 6

Arbuckle

2004.05.26



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell, Ks. 67665

34-12s-17w

Job Ticket: 19435

DST#: 6

ATTN: John O. Farmer IV

Test Start: 2004.05.26 @ 11:29:43

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:07:13

Time Test Ended: 16:42:13

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: **3535.00 ft (KB) To 3605.00 ft (KB) (TVD)**

Reference Elevations: 2962.00 ft (KB)

Total Depth: 3605.00 ft (KB) (TVD)

2554.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 408.00 ft

Serial #: 6741 Inside

Press@RunDepth: 31.79 psig @ 3538.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2004.05.26

End Date: 2004.05.26

Last Calib.: 2004.05.26

Start Time: 11:29:44

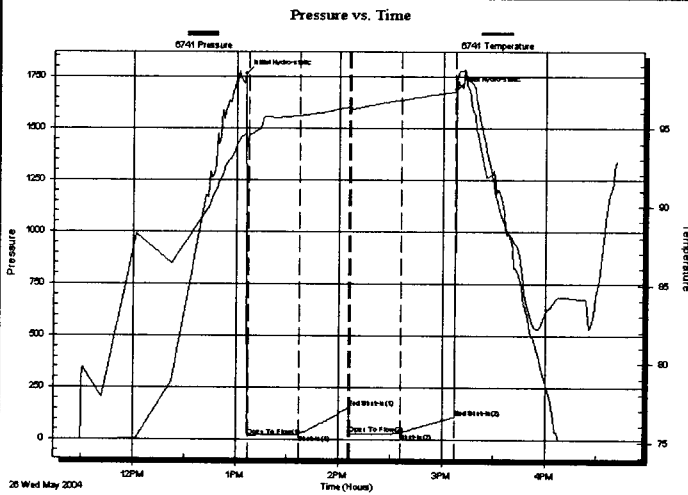
End Time: 16:42:13

Time On Btm: 2004.05.26 @ 13:05:43

Time Off Btm: 2004.05.26 @ 15:07:43

TEST COMMENT: IF-Weak Dead in 25 min.
FF-Weak Dead in 10 min.

ISI-Dead
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1763.54	94.64	Initial Hydro-static
2	17.03	94.48	Open To Flow (1)
31	25.27	95.82	Shut-In (1)
60	154.60	96.37	End Shut-In (1)
61	27.35	96.29	Open To Flow (2)
90	31.79	96.82	Shut-In (2)
122	109.48	97.36	End Shut-In (2)
122	1685.00	98.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	MCO-50% mud-50% oil	0.56
10.00	clean oil	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell, Ks. 67665

34-12s-17w

Job Ticket: 19435

DST#: 6

ATTN: John O.Farmer IV

Test Start: 2004.05.26 @ 11:29:43

Tool Information

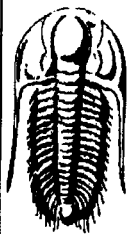
Drill Pipe:	Length: 3548.00 ft	Diameter: 3.80 inches	Volume: 49.77 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 49.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3535.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	90.00 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			3516.00	
Shut In Tool	5.00			3521.00	
Hydraulic tool	5.00			3526.00	
Packer	4.00			3530.00	20.00 Bottom Of Top Packer
Packer	5.00			3535.00	
Stubb	1.00			3536.00	
Perforations	1.00			3537.00	
Change Over Sub	1.00			3538.00	
Recorder	0.00	6741	Inside	3538.00	
Blank Spacing	31.00			3569.00	
Change Over Sub	1.00			3570.00	
Recorder	0.00	11084	Outside	3570.00	
Perforations	32.00			3602.00	
Bullnose	3.00			3605.00	70.00 Bottom Packers & Anchor

Total Tool Length: 90.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell, Ks. 67665

34-12s-17w

Job Ticket: 19435

DST#: 6

ATTN: John O.Farmer IV

Test Start: 2004.05.26 @ 11:29:43

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:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	MCO-50%mud-50%oil	0.561
10.00	clean oil	0.140

Total Length: 50.00 ft Total Volume: 0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6741

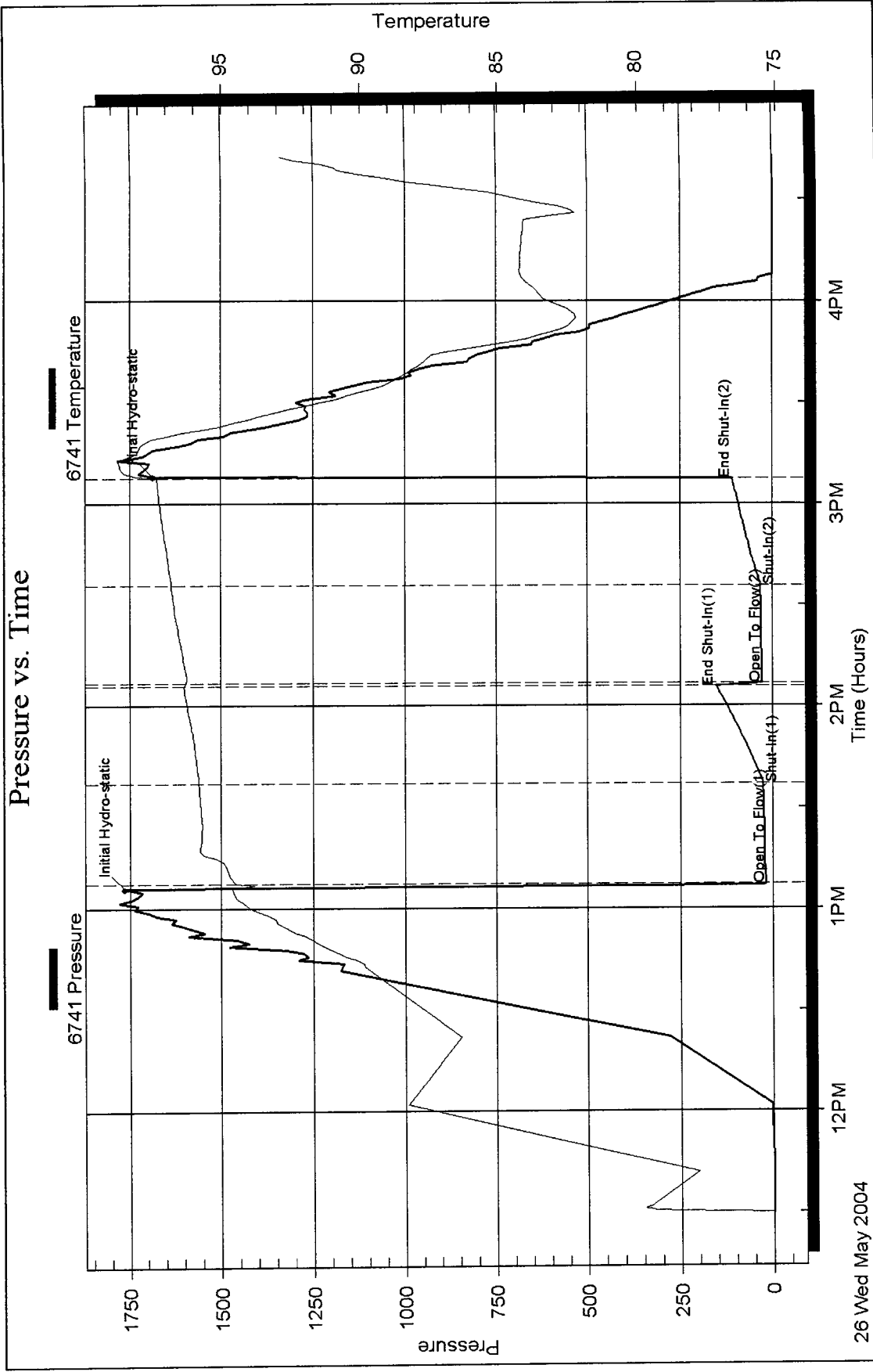
Inside

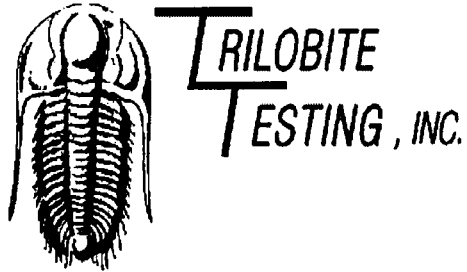
John O Farmer Inc

34--12s--17w

DST Test Number: 6

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

P.O.Box 352
Russell, Ks. 67665

ATTN: John O. Farmer IV

34--12s--17w

Schmidt # 1

Start Date: 2004.05.26 @ 21:45:08

End Date: 2004.05.27 @ 05:01:08

Job Ticket #: 19436 DST #: 7

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc

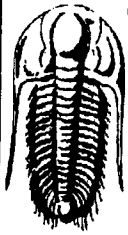
Schmidt # 1

34--12s--17w

DST # 7

Arbuckle

2004.05.26



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell, Ks. 67665

34-12s-17w

Job Ticket: 19436

DST#: 7

ATTN: John O. Farmer IV

Test Start: 2004.05.26 @ 21:45:08

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:29:08

Time Test Ended: 05:01:08

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: **3603.00 ft (KB) To 3614.00 ft (KB) (TVD)**

Reference Elevations: 2962.00 ft (KB)

Total Depth: 3614.00 ft (KB) (TVD)

2554.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 408.00 ft

Serial #: **6741**

Inside

Press@RunDepth: 27.03 psig @ 3604.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2004.05.26

End Date:

2004.05.27

Last Calib.:

2004.05.27

Start Time: 21:45:09

End Time:

05:01:08

Time On Btm:

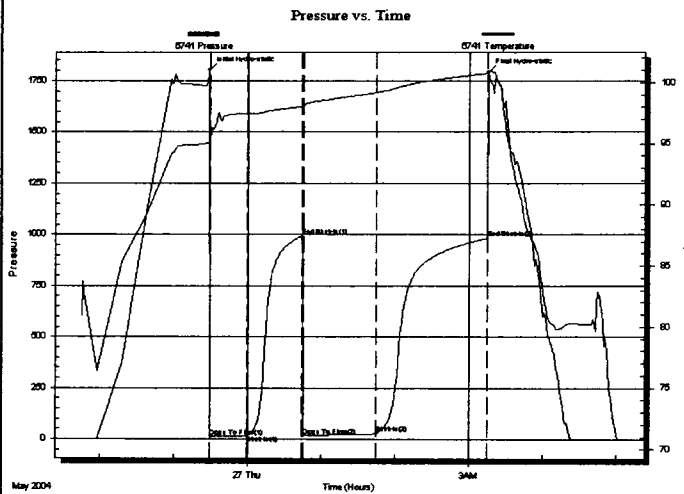
2004.05.26 @ 23:28:08

Time Off Btm:

2004.05.27 @ 03:15:08

TEST COMMENT: F-Weak Built to 1" in.
FF-Weak built to 3" in.

ISI-Dead
FSI-Dead



PRESSURE SUMMARY

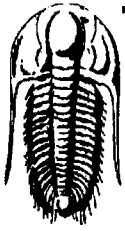
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1801.40	95.14	Initial Hydro-static
1	12.47	95.03	Open To Flow (1)
31	17.26	97.45	Shut-In (1)
76	992.99	98.04	End Shut-In (1)
77	17.30	98.15	Open To Flow (2)
137	27.03	99.19	Shut-In (2)
227	981.62	100.75	End Shut-In (2)
227	1793.21	101.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	MCO-40% mud--60% oil	0.35
25.00	Clean oil	0.35
0.00	70 gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell, Ks. 67665

34-12s-17w

Job Ticket: 19436

DST#: 7

ATTN: John O.Farmer IV

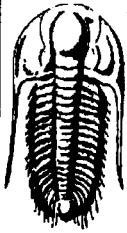
Test Start: 2004.05.26 @ 21:45:08

Tool Information

Drill Pipe:	Length: 3595.00 ft	Diameter: 3.80 inches	Volume: 50.43 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 50.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3603.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	31.00 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			3584.00	
Shut In Tool	5.00			3589.00	
Hydraulic tool	5.00			3594.00	
Packer	4.00			3598.00	20.00 Bottom Of Top Packer
Packer	5.00			3603.00	
Stubb	1.00			3604.00	
Recorder	0.00	6741	Inside	3604.00	
Perforations	7.00			3611.00	
Recorder	0.00	13308	Outside	3611.00	
Bullnose	3.00			3614.00	11.00 Bottom Packers & Anchor
Total Tool Length:	31.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell,Ks.67665

34-12s-17w

Job Ticket: 19436

DST#: 7

ATTN: John O.Farmer IV

Test Start: 2004.05.26 @ 21:45:08

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: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.34 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
25.00	MCO-40%mud--60%oil	0.351
25.00	Clean oil	0.351
0.00	70 gas in pipe	0.000

Total Length: 50.00 ft Total Volume: 0.702 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

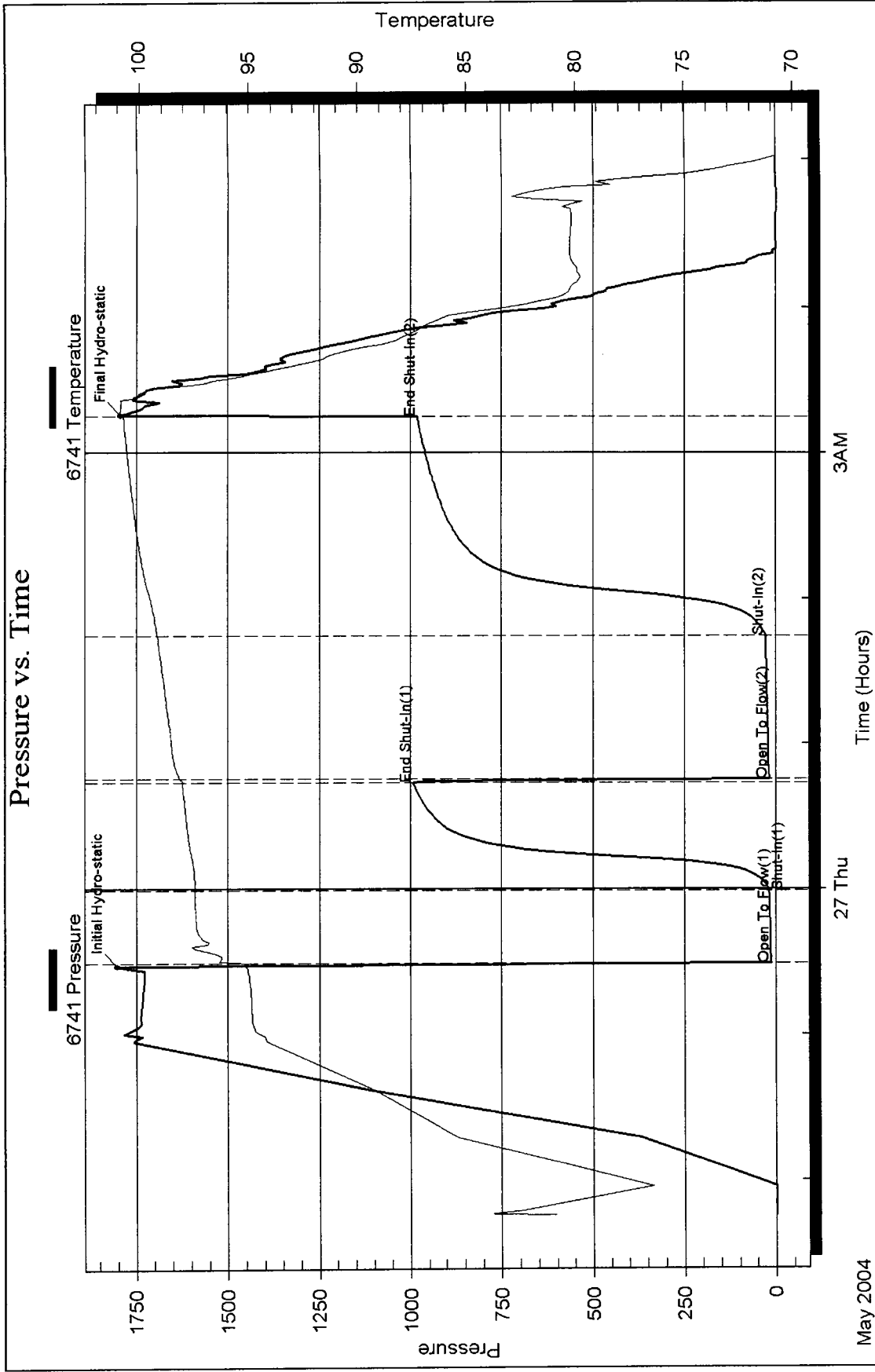
Serial #:

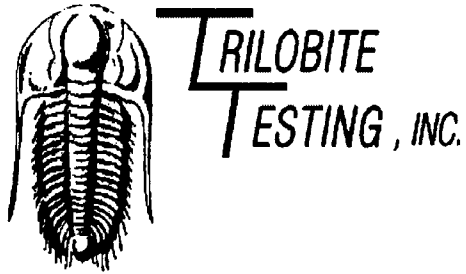
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

P.O.Box 352
Russell,Ks.67665

ATTN: John O.Farmer IV

34--12s--17w

Schmidt # 1

Start Date: 2004.05.27 @ 17:07:10

End Date: 2004.05.27 @ 23:26:10

Job Ticket #: 19437 DST #: 8

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc

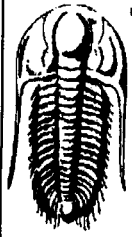
Schmidt # 1

34--12s--17w

DST # 8

Arbuckle

2004.05.27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell, Ks. 67665

34-12s-17w

Job Ticket: 19437

DST#: 8

ATTN: John O. Farmer IV

Test Start: 2004.05.27 @ 17:07:10

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:25:10

Time Test Ended: 23:26:10

Test Type: Conventional Straddle

Tester: John Schmidt

Unit No: 18

Interval: **3614.00 ft (KB) To 3634.00 ft (KB) (TVD)**

Reference Elevations: 2962.00 ft (KB)

Total Depth: 3645.00 ft (KB) (TVD)

2554.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 408.00 ft

Serial #: 6741 Inside

Press@RunDepth: 81.75 psig @ 3615.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2004.05.27 End Date: 2004.05.27

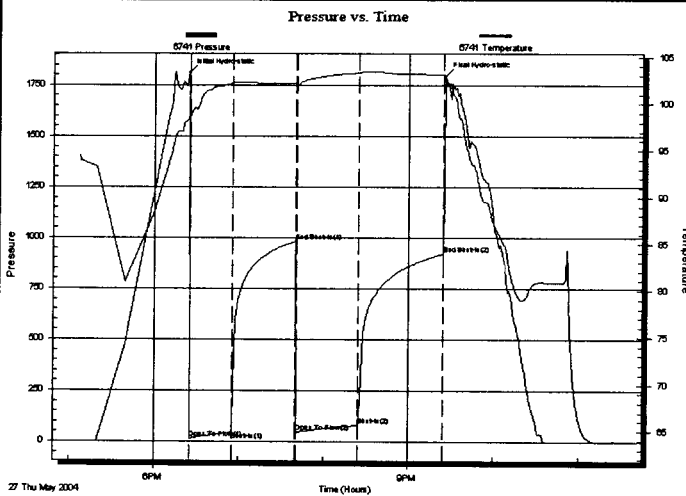
Last Calib.: 2004.05.27

Start Time: 17:07:11 End Time: 23:26:10

Time On Btm: 2004.05.27 @ 18:24:40

Time Off Btm: 2004.05.27 @ 21:25:40

TEST COMMENT: F-Good blow built to 7" in. IS-Dead
FF-Good blow built to 6" in. FSI-Dead



PRESSURE SUMMARY

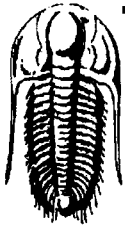
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1810.52	98.92	Initial Hydro-static
1	13.71	98.84	Open To Flow (1)
31	45.32	102.19	Shut-In(1)
76	980.87	102.19	End Shut-In(1)
76	45.79	102.00	Open To Flow(2)
120	81.75	103.33	Shut-In(2)
180	919.71	103.14	End Shut-In(2)
181	1794.84	102.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
159.00	Salt Water	2.23
1.00	Oil	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell, Ks. 67665

34-12s-17w

Job Ticket: 19437

DST#: 8

ATTN: John O.Farmer IV

Test Start: 2004.05.27 @ 17:07:10

Tool Information

Drill Pipe:	Length: 3610.00 ft	Diameter: 3.80 inches	Volume: 50.64 bbl	Tool Weight: 2600.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 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: 55000.00 lb
			<u>Total Volume: 50.64 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3614.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	3634.00 ft			
Interval between Packers:	20.00 ft			
Tool Length:	55.00 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			3595.00	
Shut In Tool	5.00			3600.00	
Hydraulic tool	5.00			3605.00	
Packer	4.00			3609.00	20.00 Bottom Of Top Packer
Packer	5.00			3614.00	
Stubb	1.00			3615.00	
Recorder	0.00	6741	Inside	3615.00	
Perforations	18.00			3633.00	
Recorder	0.00	13308	Outside	3633.00	
Blank Off Sub	1.00			3634.00	20.00 Tool Interval
Packer	4.00			3638.00	
Stubb	1.00			3639.00	
Perforations	7.00			3646.00	
Recorder	0.00	11084	Outside	3646.00	
Bullnose	3.00			3649.00	15.00 Bottom Packers & Anchor

Total Tool Length: 55.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Schmidt # 1

P.O.Box 352
Russell, Ks. 67665

34-12s-17w

Job Ticket: 19437

DST#: 8

ATTN: John O.Farmer IV

Test Start: 2004.05.27 @ 17:07:10

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:	30000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.35 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
159.00	Salt Water	2.230
1.00	Oil	0.014

Total Length: 160.00 ft Total Volume: 2.244 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

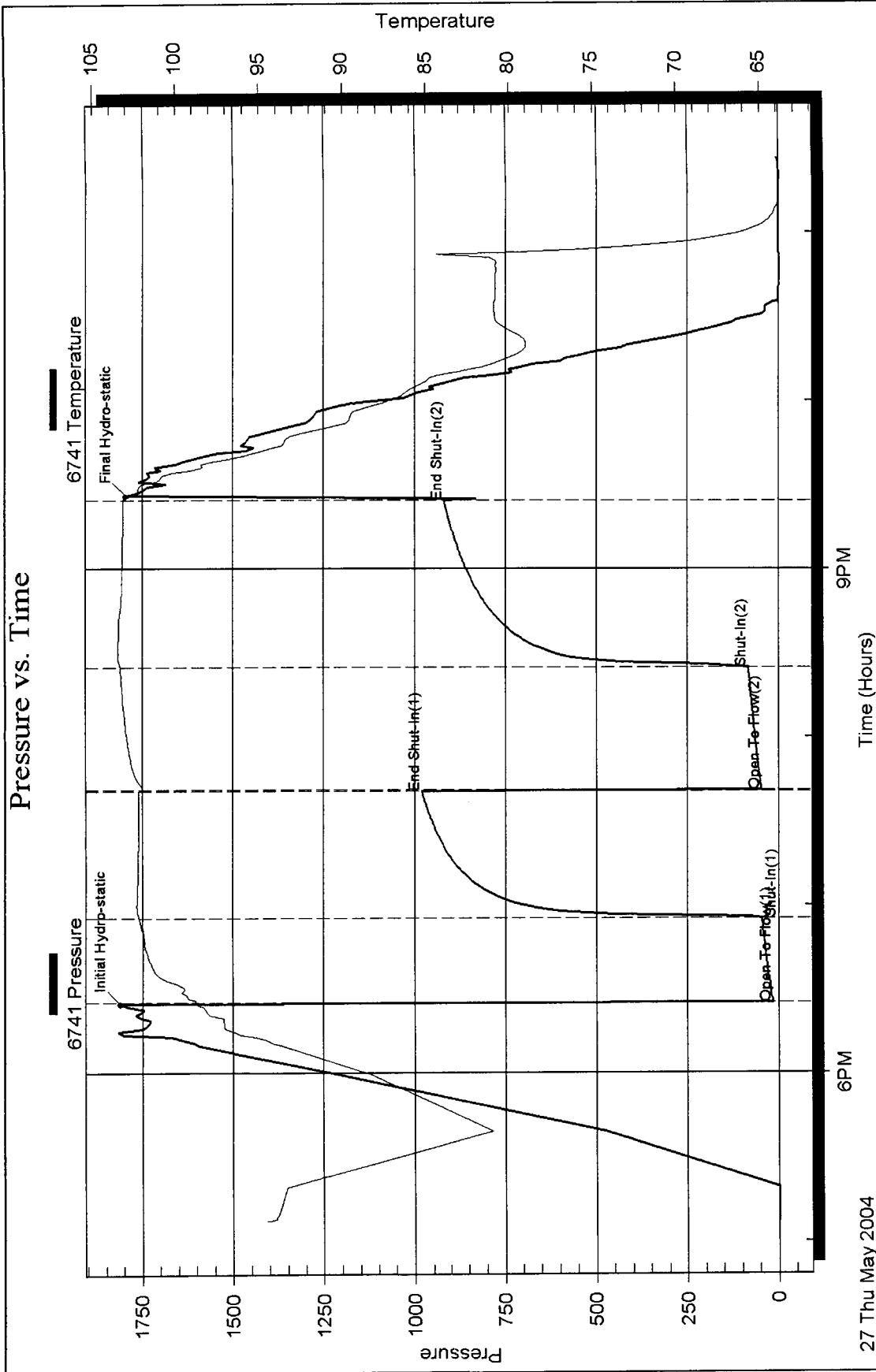
Serial #: 6741

Inside

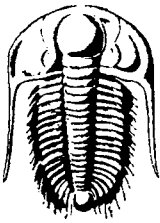
John O Farmer Inc

34--12s--17w

DST Test Number: 8



27 Thu May 2004



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19430

05/03

Test Ticket

Well Name & No. SCHMIDT #1 Test No. #1 Date 5-23-04
 Company JOHN O. FARMER, INC. Zone Tested PLATSM. - TROW.
 Address P.O. BOX 352 RUSSELL, KS. 67665 Elevation 2062 KB 2054 GL
 Co. Rep / Geo. MATT DREILING Cont. DISCOVERY #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 34 Twp. 12 Rge. 17 Co. ELLIS State KS
 No. of Copies _____ Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3223 TO 3313 Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 48,000
 Anchor Length 90' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 60,000
 Top Packer Depth 3218 Tool Weight 2200
 Bottom Packer Depth 3223 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3313 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 8.9 LCM 1/8" Vis. 52 WL 8.4 Drill Pipe Size 4 1/2 XH Ft. Run 3236
 Blow Description FF - WEAK DEAD IN 15-MIN. ISE - DEAD
FF -

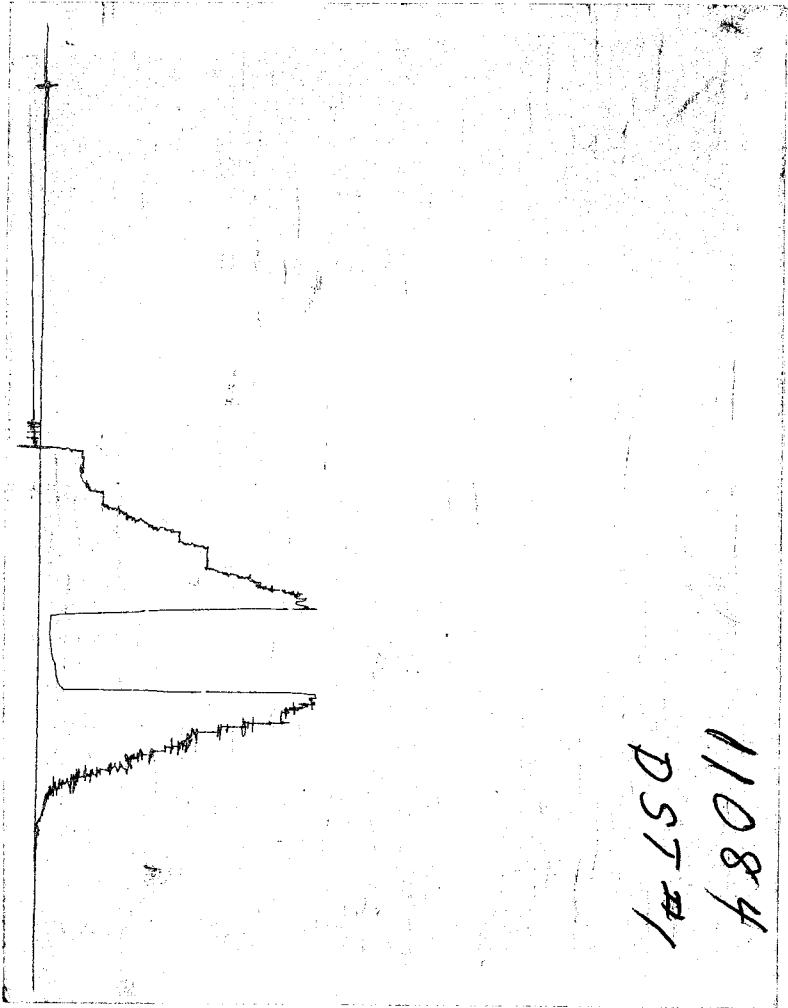
Recovery - Total Feet 10 GIP 0 Ft. in DC 0 Ft. in DP 10
 Rec. 10 Feet of SOCM %gas 3 %oil _____ %water 97 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 98 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4,500 ppm System

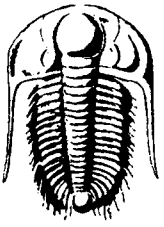
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1568</u> PSI	<u>1568</u> PSI	<u>6741</u>	<u>B. HOLE 700</u>
(B) First Initial Flow Pressure	<u>12</u> PSI	<u>12</u> PSI	(depth) <u>3227</u>	Elec. Rec. <u>150</u>
(C) First Final Flow Pressure	<u>16</u> PSI	<u>16</u> PSI	Recorder No. <u>11084</u>	Jars _____
(D) Initial Shut-In Pressure	<u>96</u> PSI	<u>96</u> PSI	(depth) <u>3290</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>16</u> PSI	<u>16</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>17</u> PSI	<u>17</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>38</u> PSI	<u>38</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1518</u> PSI	<u>1518</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>30</u>	Mileage <u>15 25.50</u>
			T-On Location <u>17:00</u>	Sub Total: <u>875.50</u>
			T-Started <u>18:40</u>	Std. By _____
			T-Open <u>20:50</u>	Other _____
			T-Pulled <u>22:51</u>	Total: _____
			T-Out <u>00:42</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 M. H. [Signature]
 Our Representative John J. Schmidt

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19431

05/03

Test Ticket

Well Name & No. SCHMIDT #1 Test No. #2 Date 5-24-04
 Company JOHN O. FARMER, INC. Zone Tested L, KC. - C
 Address _____ Elevation 2062 KB 2054 GL
 Co. Rep / Geo. MATT DREILING Cont. DISCOVERY #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 34 Twp. 12 S Rge. 17 W Co. ELLIS State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3301 To 3360 Initial Str Wt./Lbs. 50,000 Unseated Str Wt/Lbs. 50,000
 Anchor Length 59' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000
 Top Packer Depth 3296 Tool Weight 2200
 Bottom Packer Depth 3301 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3360 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 8.9 LCM 1/8" Vis. 52 WL 8.4 Drill Pipe Size 4 1/2 XH Ft. Run 3299
 Blow Description IF - WEAK DEAD IN 8-MIN. FSI - DEAD
FF - DEAD FSI - DEAD

Recovery - Total Feet 5' GIP 0 Ft. in DC 0 Ft. in DP 5'
 Rec. 5' Feet of DRILLING MUD @ OIL STOPS %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 94 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4,500 ppm System

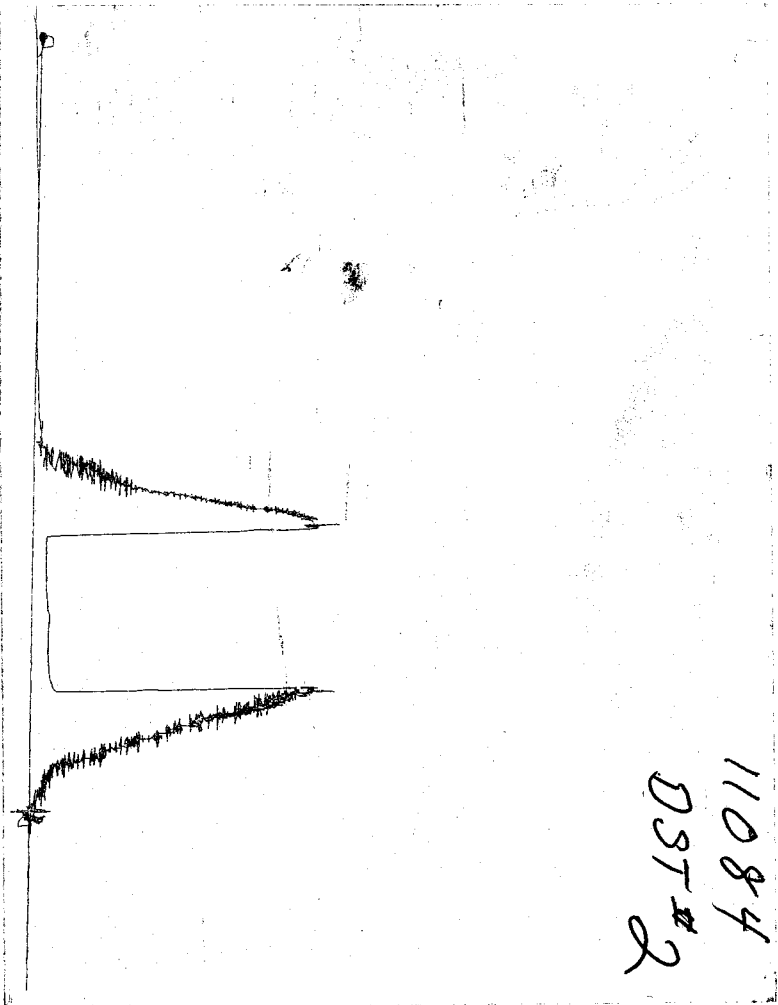
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1603</u> PSI	<u>6741</u>	<u>B, HOLE</u>
(B) First Initial Flow Pressure		<u>12</u> PSI	(depth) <u>3305</u>	Elec. Rec. <input checked="" type="checkbox"/>
(C) First Final Flow Pressure		<u>12</u> PSI	Recorder No. <u>11084</u>	Jars _____
(D) Initial Shut-In Pressure		<u>38</u> PSI	(depth) <u>3337</u>	Safety Jt. _____
(E) Second Initial Flow Pressure		<u>12</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>12</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>27</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1580</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>30</u>	Mileage <u>15</u>
			T-On Location <u>06:30</u>	Sub Total: <u>875.50</u>
			T-Started <u>06:56</u>	Std. By _____
			T-Open <u>08:</u>	Other _____
			T-Pulled <u>10:</u>	Total: _____
			T-Out <u>11:</u>	

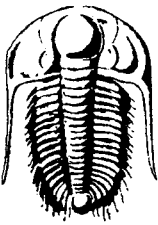
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By _____
 Our Representative John J. Schmidt

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19432

05/03

Test Ticket

Well Name & No. SCHMIDT #1 Test No. #3 Date 5-24-04
 Company JOHN O. FARMER, INC. Zone Tested L. KC. - D
 Address _____ Elevation 2062 KB 2054 GL
 Co. Rep / Geo. MATT DREILING Cont. DISCOVERY #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 34 Twp. 12S Rge. 17W Co. ELLIS State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3353 TO 3380 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000
 Anchor Length 27' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000
 Top Packer Depth 3348 Tool Weight 2200
 Bottom Packer Depth 3353 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3380 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.2 LCM 1/8" Vis. 57 WL 8.0 Drill Pipe Size 4 1/2 XH Ft. Run 3362
 Blow Description FF - WEAK DEAD IN 5-MIN. ISI - DEAD
FF - DEAD FSI - DEAD

Recovery - Total Feet 5' GIP 0 Ft. in DC 0 Ft. in DP 5'
 Rec. 5' Feet of DRILLING MUD (W) %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of OIL SPOTS %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 96 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4,500 ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1634</u> PSI	<u>6741</u>	<u>B. HOLE</u>
(B) First Initial Flow Pressure	<u>11</u> PSI	(depth) <u>3357</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure	<u>15</u> PSI	Recorder No. <u>13308</u>	Jars _____
(D) Initial Shut-In Pressure	<u>242</u> PSI	(depth) <u>3377</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>15</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>16</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>192</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1615</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
		Final Flow <u>30</u>	Shale Packer _____
		Final Shut-In <u>30</u>	Mileage <u>15</u>
		T-On Location <u>16:00</u>	Sub Total: <u>875.50</u>
		T-Started <u>16:39</u>	Std. By _____
		T-Open <u>18:11</u>	Other _____
		T-Pulled <u>20:14</u>	Total: _____
		T-Out <u>21:43</u>	

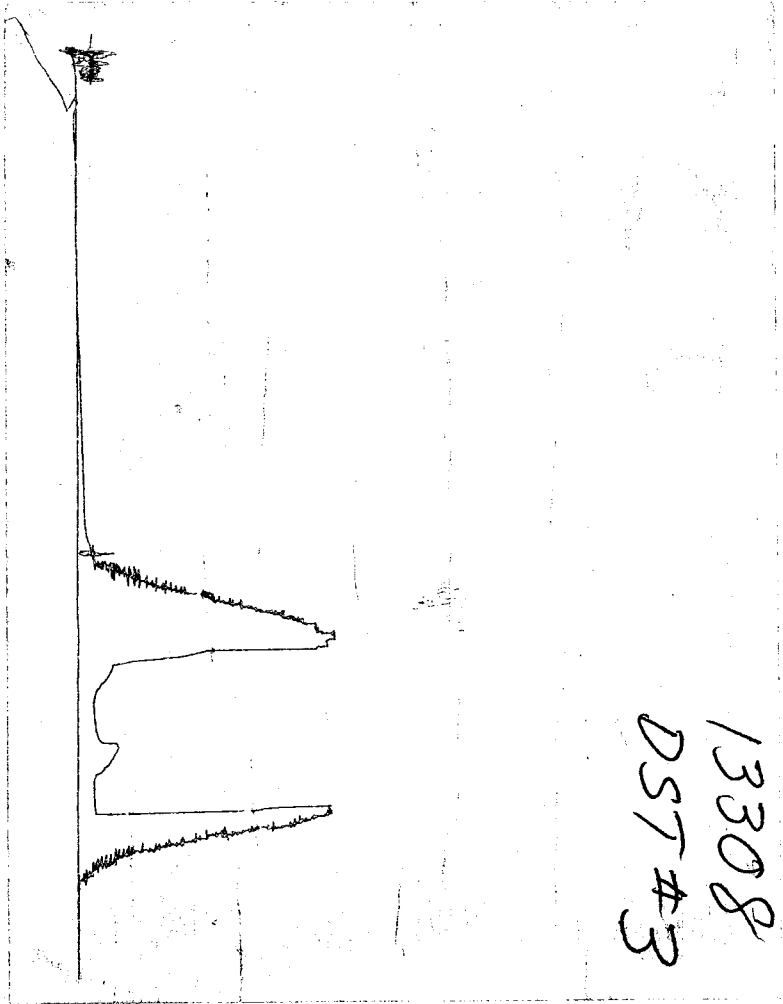
Approved By _____
 Our Representative John J. Schmidt

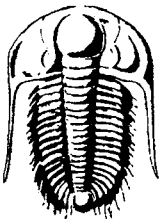
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

CHART PAGE

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

13308
DST #3





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19433

05/03

Test Ticket

Well Name & No. SCHMIDT #1 Test No. #4 Date 5-25-04
 Company JOHN O. FARMER, INC. Zone Tested L. KC. - E-G
 Address _____ Elevation 2062 KB 2054 GL
 Co. Rep / Geo. MATT DREILING Cont. DISCOVERY #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 34 Twp. 12 S Rge. 17 W Co. ELLIS State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3370 TO 3420 Initial Str Wt./Lbs. 50,000 Unseated Str Wt/Lbs. 50,000
 Anchor Length 50' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 60,000
 Top Packer Depth 3365 Tool Weight 2200
 Bottom Packer Depth 3370 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3420 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.2 LCM 1/8" Vis. 57 WL 8.0 Drill Pipe Size 4 1/2 XH Ft. Run 3362
 Blow Description FF-WEAK 1" DECREASE TO 1/2" IN ISF-DEAD
FF-WEAK 2" DECREASE TO 1" IN ISF-DEAD

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>69'</u>	Feet of <u>OCM</u>	%gas <u>15</u> %oil _____ %water <u>85</u> %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 <u>97</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____ °API _____
RW _____	@ _____ °F	Chlorides _____ ppm Recovery _____	Chlorides <u>4500</u> ppm System _____

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1633</u> PSI	<u>6741</u>	<u>B, HOLE</u>
(B) First Initial Flow Pressure	<u>13</u> PSI	(depth) <u>3373</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure	<u>25</u> PSI	Recorder No. <u>11084</u>	Jars _____
(D) Initial Shut-In Pressure	<u>144</u> PSI	(depth) <u>3407</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>27</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>40</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>149</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1578</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
		Final Flow <u>45</u>	Shale Packer _____
		Final Shut-In <u>60</u>	Mileage <u>15</u>
		T-On Location <u>04:15</u>	Sub Total: <u>875.50</u>
		T-Started <u>04:55</u>	Std. By _____
		T-Open <u>06:35</u>	Other _____
		T-Pulled <u>07:23</u>	Total: _____
		T-Out <u>10:38</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.

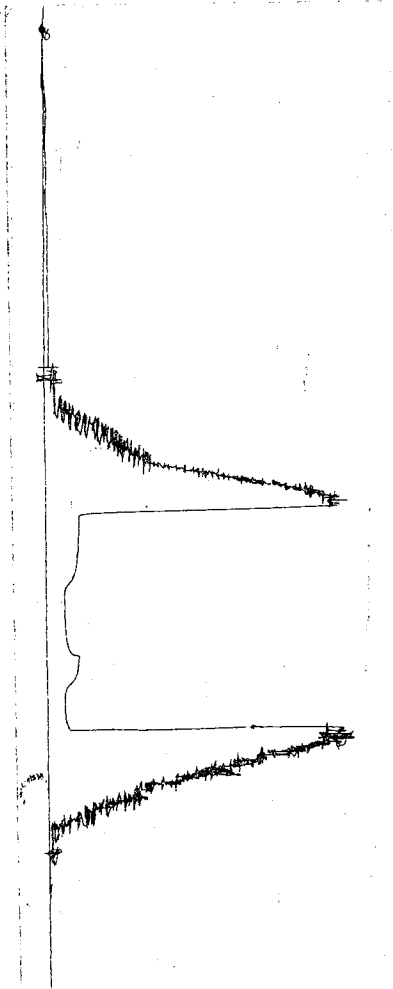
Approved By _____
 Our Representative John J. Schmidt

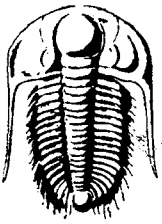
CHART PAGE

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

11084

DST # 4





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19434

05/03

Test Ticket

Well Name & No. <u>SCHMIDT #1</u>	Test No. <u>#5</u>	Date <u>5-25-04</u>
Company <u>JOHN O FARMER, INC.</u>	Zone Tested <u>L.K.C. - I-J</u>	
Address _____	Elevation <u>2062</u> KB <u>2054</u> GL	
Co. Rep / Geo. <u>MAT DREILING</u>	Cont. <u>DISCOVERY #1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>34</u> Twp. <u>12S</u> Rge. <u>17W</u> Co. <u>ELLIS</u> State <u>KS</u>		
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3462 To 3540</u>	Initial Str Wt./Lbs. <u>50,000</u>	Unseated Str Wt./Lbs. <u>50,000</u>
Anchor Length <u>78'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>60,000</u>
Top Packer Depth <u>3457</u>	Tool Weight <u>2200</u>	
Bottom Packer Depth <u>3462</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>3540</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>0</u>
Mud Wt. <u>9.1</u> LCM <u>TR.</u> Vis. <u>50</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2 XH.</u>	Ft. Run <u>3456'</u>
Blow Description <u>FF - WEAK DEAD IN 5-MIN.</u>	<u>FSF - DEAD</u>	
<u>FF - DEAD WEAK DEAD IN 10-MIN.</u>	<u>FSF - DEAD</u>	

Recovery - Total Feet <u>10</u>	GIP <u>0</u>	Ft. in DC <u>0</u>	Ft. in DP <u>10</u>
Rec. <u>10</u>	Feet of <u>0 CM</u>	%gas <u>15</u>	%oil _____ %water <u>85</u> %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
BHT <u>97</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____ °API _____
RW _____	@ _____ °F	Chlorides _____ ppm	Recovery _____ Chlorides <u>10,000</u> ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1714</u> PSI	<u>6741</u>	<u>B, HOLE</u>
(B) First Initial Flow Pressure		<u>13</u> PSI	(depth) <u>3465</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure		<u>16</u> PSI	Recorder No. <u>11084</u>	Jars _____
(D) Initial Shut-In Pressure		<u>137</u> PSI	(depth) <u>3527</u>	Safety Jt. _____
(E) Second Initial Flow Pressure		<u>12</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>17</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>84</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1644</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>30</u>	Mileage <u>15</u>
			T-On Location <u>20:45</u>	Sub Total: _____
			T-Started <u>21:12</u>	Std. By _____
			T-Open <u>23:29</u>	Other _____
			T-Pulled <u>01:29</u>	Total: <u>875.50</u>
			T-Out <u>02:55</u>	

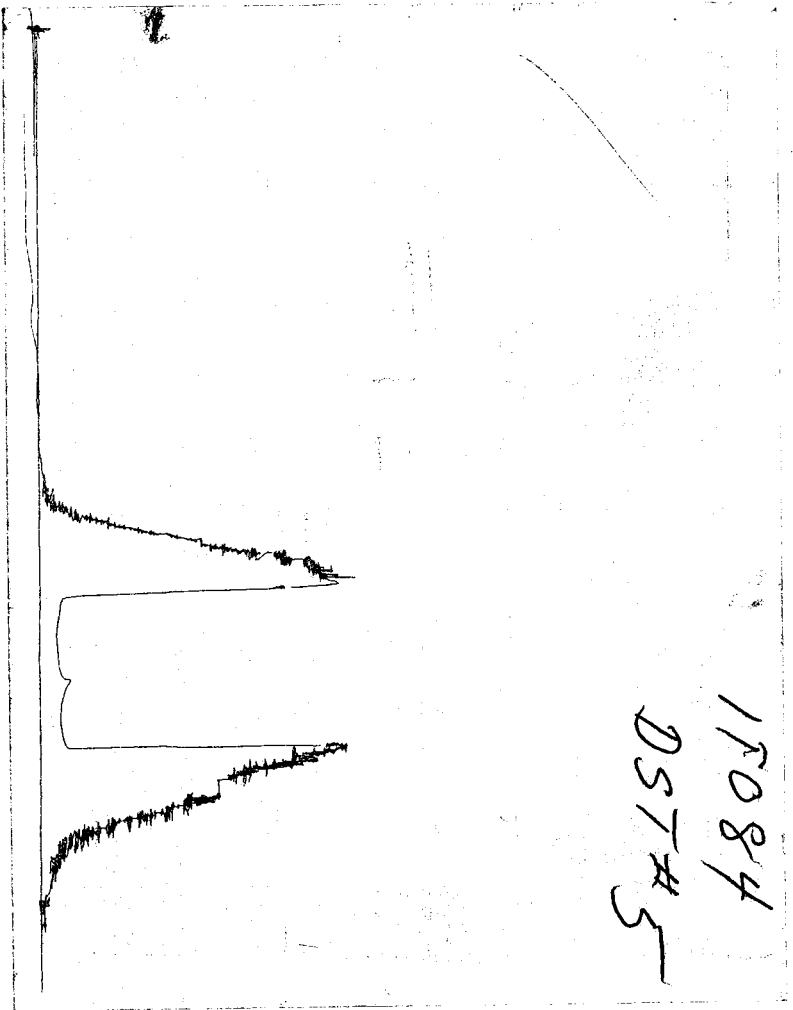
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

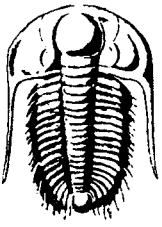
Approved By _____

Our Representative John J. Schmidt

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19435

05/03

Test Ticket

Well Name & No. SCHMIDT #1 Test No. #6 Date 5-26-04
 Company JOHN O. FARMER, INC. Zone Tested ARBUCYLE
 Address _____ Elevation 2062 KB 2054 GL
 Co. Rep / Geo. MATT DREILING Cont. DISCOVERY #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 34 Twp. 12S Rge. 17W Co. ELLIS State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3535 To 3605 Initial Str Wt./Lbs. 59000 Unseated Str Wt/Lbs. 59000
 Anchor Length 70' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. _____
 Top Packer Depth 3530 Tool Weight 2200
 Bottom Packer Depth 3535 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3605 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.1 LCM 1/4" Vis. 52 WL 8.0 Drill Pipe Size 4 1/2 XH. Ft. Run 3548
 Blow Description FF - WEAK DEAD IN 25-MIN. ISI - DEAD
FF - WEAK DEAD IN 10-MIN. FSF - DEAD

Recovery - Total Feet 50 GIP 0 Ft. in DC 0 Ft. in DP 50
 Rec. 40 Feet of MCO %gas 50 %oil _____ %water 50 %mud _____
 Rec. 10 Feet of CLEAN OIL %gas 100 %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 97 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1763</u>	PSI	<u>6741</u>	<u>B. HOLE</u>
(B) First Initial Flow Pressure	<u>17</u>	PSI	(depth) <u>3538</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure	<u>25</u>	PSI	Recorder No. <u>11084</u>	Jars _____
(D) Initial Shut-In Pressure	<u>154</u>	PSI	(depth) <u>3570</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>27</u>	PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>31</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>109</u>	PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1685</u>	PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>30</u>	Mileage <u>15</u>
			T-On Location <u>11:00</u>	Sub Total: _____
			T-Started <u>11:29</u>	Std. By _____
			T-Open <u>13:07</u>	Other _____
			T-Pulled <u>15:07</u>	Total: <u>875.50</u>
			T-Out <u>16:42</u>	

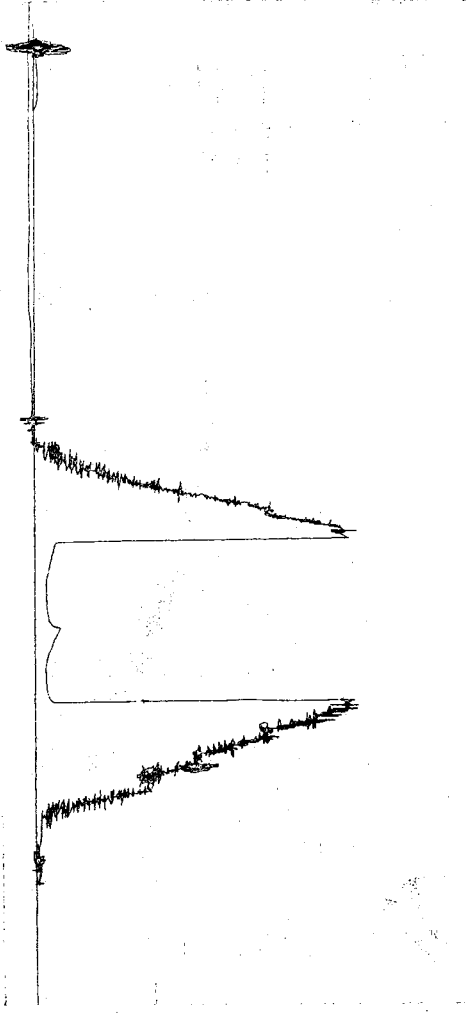
Approved By _____
 Our Representative John J. Schmidt

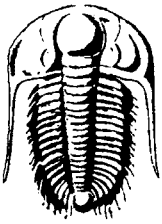
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

CHART PAGE

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

11084
DST#6





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19436

05/03

Test Ticket

Well Name & No. SCHMIDT #1 Test No. #7 Date 5-26-04
 Company JOHN O. FARMER, INC. Zone Tested ARBUCKLE
 Address _____ Elevation 2062 KB 2054 GL
 Co. Rep / Geo. MATT DREILING Cont. DISCOVERY #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 34 Twp. 12S Rge. 17W Co. ELLIS State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3603 TO 3614 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000
 Anchor Length 11' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 60,000
 Top Packer Depth 3598 Tool Weight 3200
 Bottom Packer Depth 3603 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3614 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.1 LCM 1/4" Vis. 52 WL 8.0 Drill Pipe Size 4 1/2 XH Ft. Run 3610
 Blow Description IF - WEAK BUILT TO 1" IN. PSI - DEAD
FF - WEAK BUILT TO 3" IN. PSI - DEAD

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>50</u>	<u>70</u>	<u>0</u>	<u>50</u>
Rec. <u>25</u>	Feet of <u>MLO</u>	%gas <u>60</u> %oil _____	%water <u>40</u> %mud _____
Rec. <u>25</u>	Feet of <u>CLEAN OIL</u>	%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 <u>9,000</u> ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1801</u>	PSI	<u>6741</u>	<u>P. HOLE</u>
(B) First Initial Flow Pressure	<u>12</u>	PSI	(depth) <u>3604</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure	<u>17</u>	PSI	Recorder No. <u>13308</u>	Jars _____
(D) Initial Shut-In Pressure	<u>992</u>	PSI	(depth) <u>3611</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>17</u>	PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>27</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>981</u>	PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1793</u>	PSI	Initial Shut-In <u>45</u>	Ext. Packer _____
			Final Flow <u>60</u>	Shale Packer _____
			Final Shut-In <u>90</u>	Mileage <u>15</u>
			T-On Location <u>20:45</u>	Sub Total: _____
			T-Started <u>21:45</u>	Std. By _____
			T-Open <u>23:29</u>	Other _____
			T-Pulled <u>03:15</u>	Total: <u>875.50</u>
			T-Out <u>05:01</u>	

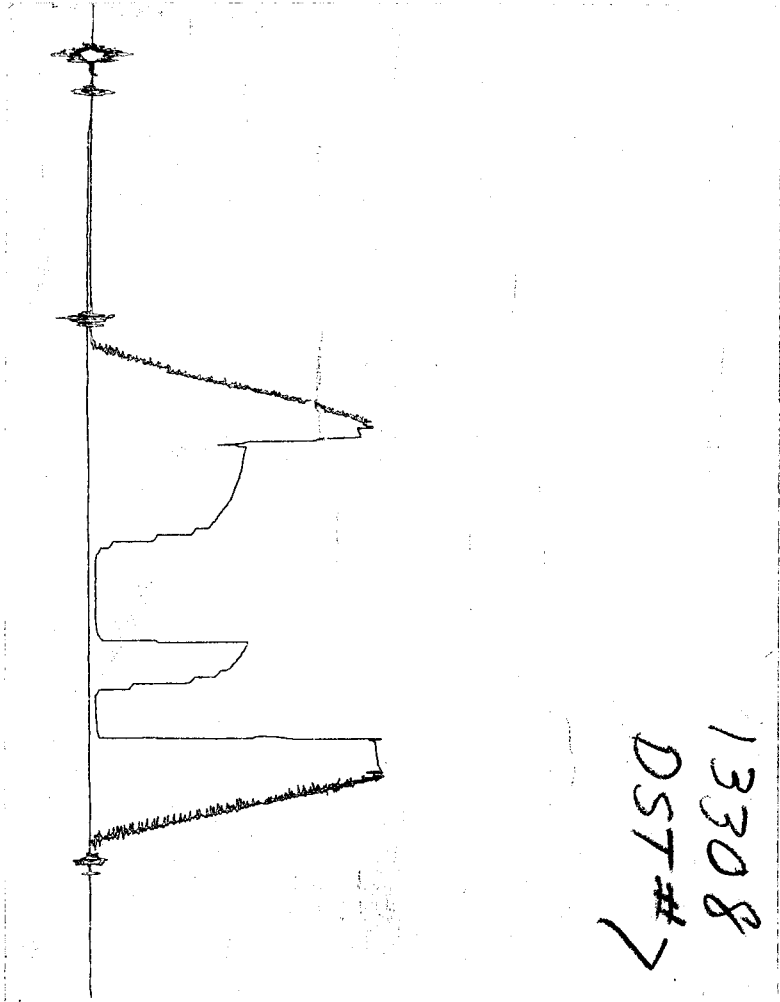
Approved By _____
 Our Representative John J. Schmidt

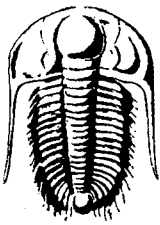
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

CHART PAGE

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

13308
DST#7





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19437

05/03

Test Ticket

Well Name & No. SCHMIDT #1 Test No. #8 Date 5-27-04
 Company JOHN O. FARMER, INC. Zone Tested ARBUCKLE
 Address _____ Elevation 2062 KB 2054 GL
 Co. Rep / Geo. MATT DREILING Cont. DISCOVERY #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 34 Twp. 125 Rge. 17W Co. ELLIS State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3614 TO 3634 Initial Str Wt./Lbs. 51,000 Unseated Str Wt./Lbs. 51,000
 Anchor Length 20' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000
 Top Packer Depth 3609 Tool Weight 2600
 Bottom Packer Depth 3614 + 3634 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3645 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.2 LCM 1/8" Vis. 50 WL 8.0 Drill Pipe Size 4 1/2 XH Ft. Run 3610
 Blow Description IF - GOOD BLOW BUILT TO 7" IN. ISF - DEAD
FF - GOOD BLOW BUILT TO 6" IN. ISF - DEAD

Recovery - Total Feet 160 GIP _____ Ft. in DC 0 Ft. in DP 160
 Rec. 159 Feet of SALT WATER %gas _____ %oil _____ %water _____ %mud _____
 Rec. 1 Feet of 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 _____
 BHT 103 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .23 @ 74 °F Chlorides 30,000 ppm Recovery _____ Chlorides 9,000 ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1810</u> PSI	<u>6741</u>	<u>STRADDLE 700</u>
(B) First Initial Flow Pressure	<u>13</u> PSI	(depth) <u>3615</u>	Elec. Rec. <u>✓ 150</u>
(C) First Final Flow Pressure	<u>45</u> PSI	Recorder No. <u>24174</u>	Jars _____
(D) Initial Shut-In Pressure	<u>980</u> PSI	(depth) <u>3630</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>45</u> PSI	Recorder No. <u>13308</u>	Circ Sub _____
(F) Second Final Flow Pressure	<u>81</u> PSI	(depth) <u>3642</u>	Sampler _____
(G) Final Shut-In Pressure	<u>919</u> PSI	Initial Opening <u>30</u>	Straddle <u>250</u>
(Q) Final Hydrostatic Mud	<u>1794</u> PSI	Initial Shut-In <u>45</u>	Ext. Packer <u>✓ 150</u>
		Final Flow <u>45</u>	Shale Packer _____
		Final Shut-In <u>60</u>	Mileage <u>15 25.50</u>
		T-On Location <u>16:30</u>	Sub Total: _____
		T-Started <u>17:07</u>	Std. By _____
		T-Open <u>18:25</u>	Other _____
		T-Pulled <u>21:25</u>	Total: <u>1275.50</u>
		T-Out <u>23:26</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 John J. Schmidt

CHART PAGE

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

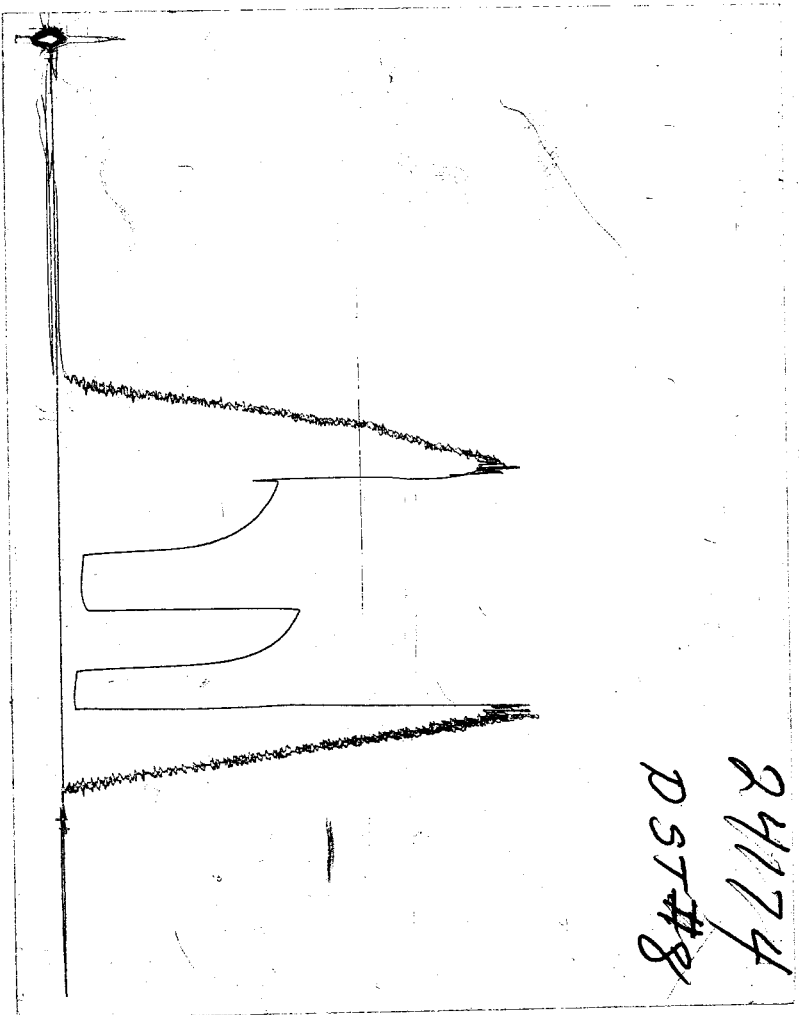


CHART PAGE

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

