

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Larson Operating**

562 W Hwy 4
Olmitz KS 67564-8561

ATTN: Bob Lewellyn

17 18 30 Lane KS

Sharp Seed #1-17

Start Date: 2006.09.04 @ 02:21:00

End Date: 2006.09.04 @ 12:50:45

Job Ticket #: 25602 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Larson Operating

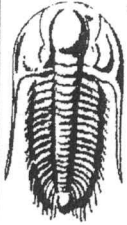
Sharp Seed #1-17

17 18 30 Lane KS

DST # 1

KC "G"

2006.09.04



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Larson Operating
562 W Hwy 4
Olmitz KS 67564-8561
ATTN: Bob Lewellyn

Sharp Seed #1-17
17 18 30 Lane KS
Job Ticket: 25602 DST#: 1
Test Start: 2006.09.04 @ 02:21:00

GENERAL INFORMATION:

Formation: **KC "G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:44:45
Time Test Ended: 12:50:45

Test Type: Conventional Bottom Hole
Tester: Chuck Smith
Unit No: 37

Interval: **4120.00 ft (KB) To 4146.00 ft (KB) (TVD)**
Total Depth: 4146.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

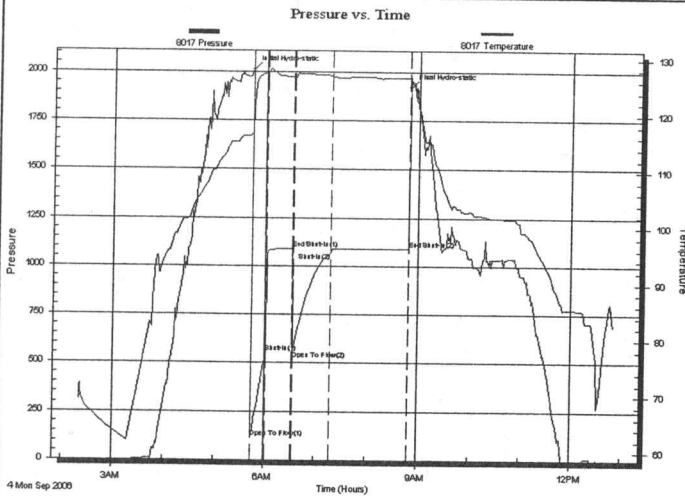
Reference Elevations: 2897.00 ft (KB)
2887.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8017 Inside

Press@RunDepth: 1067.52 psig @ 4123.00 ft (KB)
Start Date: 2006.09.04 End Date: 2006.09.04
Start Time: 02:21:01 End Time: 12:50:45

Capacity: 7000.00 psig
Last Calib.: 2006.09.04
Time On Btm: 2006.09.04 @ 05:44:30
Time Off Btm: 2006.09.04 @ 08:49:45

TEST COMMENT: IF BOB @ 35 seconds.
ISI No return
FF BOB @ 1 1/2 min.
FSI No return



PRESSURE SUMMARY

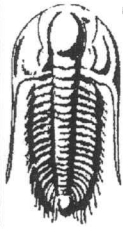
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2010.67	116.70	Initial Hydro-static
1	114.94	116.67	Open To Flow (1)
17	552.64	127.55	Shut-In(1)
49	1088.11	126.74	End Shut-In(1)
49	558.93	126.45	Open To Flow (2)
94	1067.52	126.95	Shut-In(2)
185	1088.24	126.59	End Shut-In(2)
186	1920.75	126.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
122.00	MCW 30%M 70%W	1.71
2234.00	W 100%W	31.34

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Larson Operating

Sharp Seed #1-17

562 W Hwy 4
Olmritz KS 67564-8561

17 18 30 Lane KS

Job Ticket: 25602

DST#: 1

ATTN: Bob Lewellyn

Test Start: 2006.09.04 @ 02:21:00

Tool Information

Drill Pipe:	Length: 4115.00 ft	Diameter: 3.80 inches	Volume: 57.72 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 57.72 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	4120.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4093.00	
Shut In Tool	5.00			4098.00	
Hydraulic tool	5.00			4103.00	
Jars	5.00			4108.00	
Safety Joint	3.00			4111.00	
Packer	5.00			4116.00	28.00 Bottom Of Top Packer
Packer	4.00			4120.00	
Stubb	1.00			4121.00	
Perforations	2.00			4123.00	
Recorder	0.00	8017	Inside	4123.00	
Perforations	18.00			4141.00	
Recorder	0.00	13276	Inside	4141.00	
Bullnose	5.00			4146.00	26.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Operating

Sharp Seed #1-17

562 W Hwy 4
Olmitz KS 67564-8561

17 18 30 Lane KS

Job Ticket: 25602

DST#: 1

ATTN: Bob Lewellyn

Test Start: 2006.09.04 @ 02:21:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

22000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
122.00	MCW 30%M 70%W	1.711
2234.00	W 100%W	31.337

Total Length: 2356.00 ft Total Volume: 33.048 bbl

Num Fluid Samples: 0

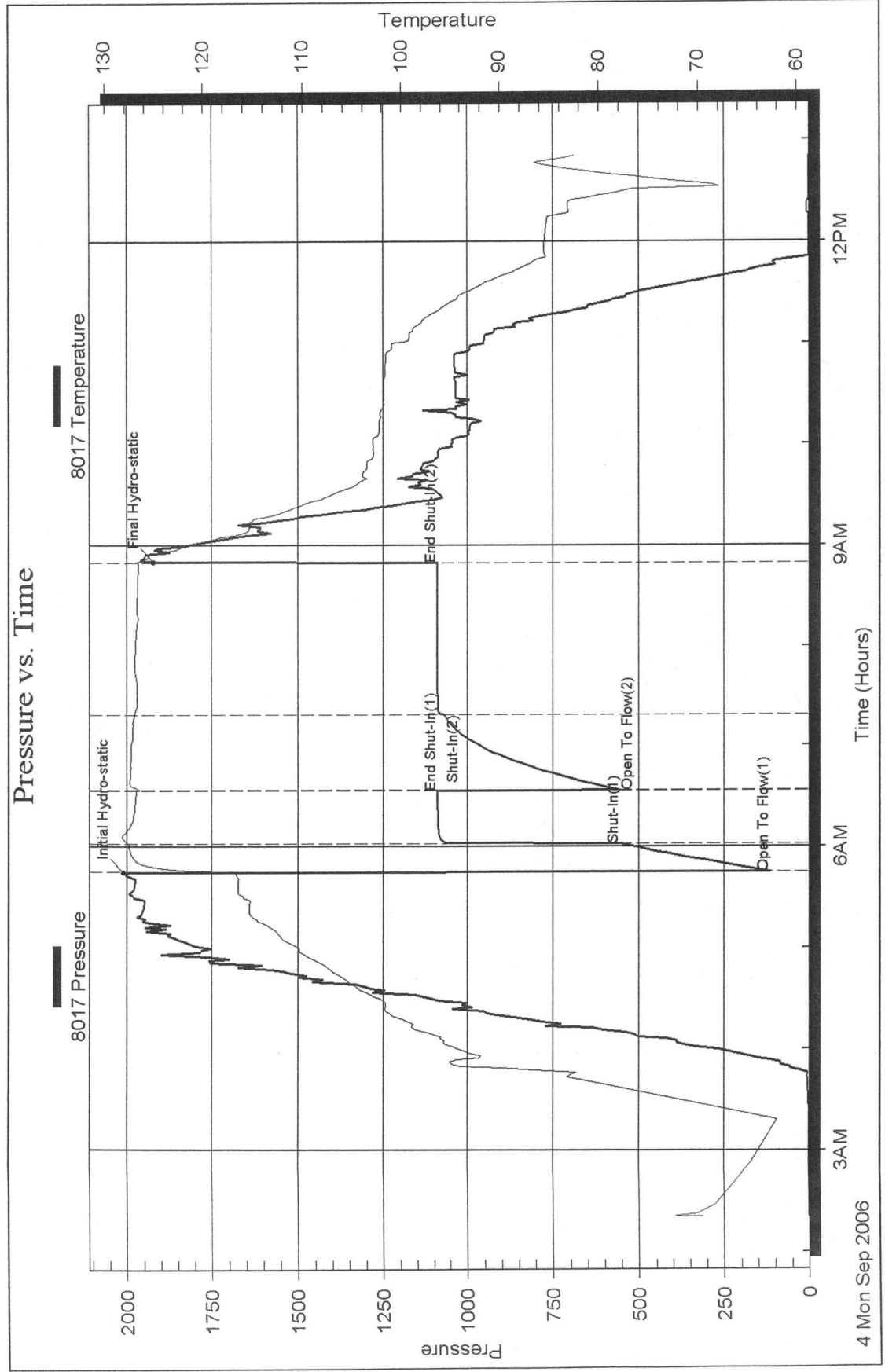
Num Gas Bombs: 0

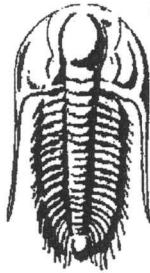
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW; .341 @ 74 degrees F = 22000 chlorides.





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DRILL STEM TEST REPORT

Prepared For: **Larson Operating**

562 W Hwy 4
Olmitz KS 67564-8561

ATTN: Bob Lewellyn

17 18 30 Lane KS

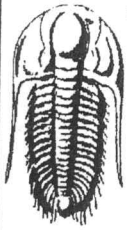
Sharp Seed #1-17

Start Date: 2006.09.04 @ 23:12:00

End Date: 2006.09.05 @ 06:34:00

Job Ticket #: 25603 DST #: 2

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Larson Operating
 562 W Hwy 4
 Olmitz KS 67564-8561
 ATTN: Bob Lew ellyn

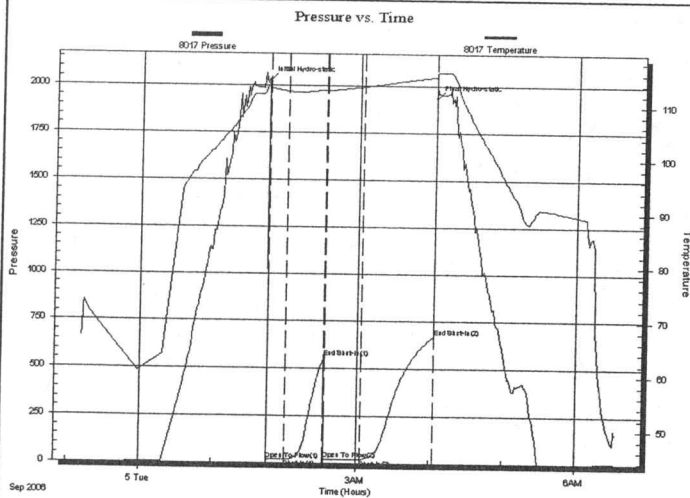
Sharp Seed #1-17
17 18 30 Lane KS
 Job Ticket: 25603 DST#: 2
 Test Start: 2006.09.04 @ 23:12:00

GENERAL INFORMATION:

Formation: **KC "H"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:45:15
 Time Test Ended: 06:34:00
 Interval: **4133.00 ft (KB) To 4154.00 ft (KB) (TVD)**
 Total Depth: 4154.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Chuck Smith
 Unit No: 37
 Reference Elevations: 2897.00 ft (KB)
 2887.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8017 Inside
 Press@RunDepth: 18.14 psig @ 4136.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2006.09.04 End Date: 2006.09.05 Last Calib.: 2006.09.05
 Start Time: 23:12:01 End Time: 06:34:00 Time On Btm: 2006.09.05 @ 01:45:00
 Time Off Btm: 2006.09.05 @ 04:03:30

TEST COMMENT: IF No flow
 ISI No return
 FF No flow
 FSI No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2027.84	113.74	Initial Hydro-static
1	16.49	113.24	Open To Flow (1)
16	18.03	112.68	Shut-In(1)
48	558.52	112.97	End Shut-In(1)
48	17.94	112.84	Open To Flow(2)
79	18.14	113.56	Shut-In(2)
139	669.90	115.44	End Shut-In(2)
139	1936.11	115.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	SOCM 2%O 98%M	0.04

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Larson Operating
562 W Hwy 4
Olmitz KS 67564-8561
ATTN: Bob Lewellyn

Sharp Seed #1-17
17 18 30 Lane KS
Job Ticket: 25603 **DST#: 2**
Test Start: 2006.09.04 @ 23:12:00

Tool Information

Drill Pipe:	Length: 4115.00 ft	Diameter: 3.80 inches	Volume: 57.72 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 57.72 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	4133.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	49.00 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			4106.00	
Shut In Tool	5.00			4111.00	
Hydraulic tool	5.00			4116.00	
Jars	5.00			4121.00	
Safety Joint	3.00			4124.00	
Packer	5.00			4129.00	28.00 Bottom Of Top Packer
Packer	4.00			4133.00	
Stubb	1.00			4134.00	
Perforations	2.00			4136.00	
Recorder	0.00	8017	Inside	4136.00	
Perforations	13.00			4149.00	
Recorder	0.00	13276	Inside	4149.00	
Bullnose	5.00			4154.00	21.00 Bottom Packers & Anchor

Total Tool Length: 49.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Operating
562 W Hwy 4
Olmitz KS 67564-8561
ATTN: Bob Lew ellyn

Sharp Seed #1-17
17 18 30 Lane KS
Job Ticket: 25603 **DST#: 2**
Test Start: 2006.09.04 @ 23:12:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2900.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	SOCM 2%O 98%M	0.042

Total Length: 3.00 ft Total Volume: 0.042 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: OCM in tool.

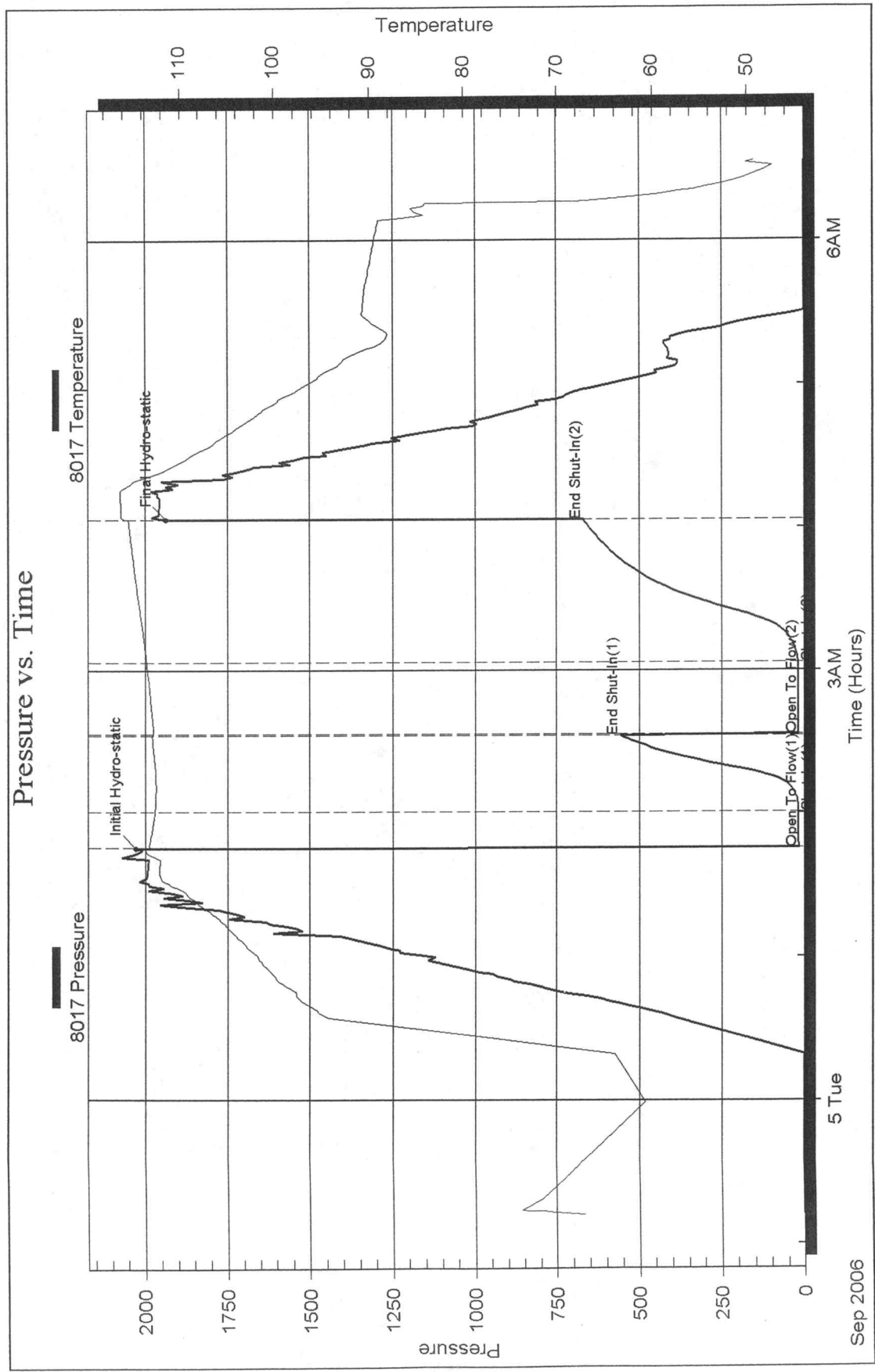
Serial #: 8017

Inside

Larson Operating

17 18 30 Lane KS

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Larson Operating**

562 W Hwy 4
Olmitz KS 67564-8561

ATTN: Bob Lewellyn

17 18 30 Lane KS

Sharp Seed #1-17

Start Date: 2006.09.06 @ 17:16:00

End Date: 2006.09.07 @ 00:13:45

Job Ticket #: 25604 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

Larson Operating
 562 W Hwy 4
 Olmitz KS 67564-8561
 ATTN: Bob Lewellyn

Sharp Seed #1-17
17 18 30 Lane KS
 Job Ticket: 25604 **DST#: 3**
 Test Start: 2006.09.06 @ 17:16:00

GENERAL INFORMATION:

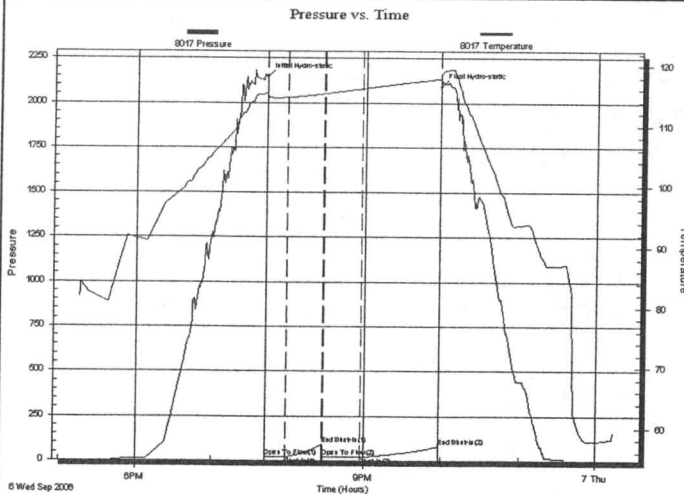
Formation: **Altamont**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:41:45
 Time Test Ended: 00:13:45
 Interval: **4330.00 ft (KB) To 4405.00 ft (KB) (TVD)**
 Total Depth: 4405.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Chuck Smith
 Unit No: 37
 Reference Elevations: 2897.00 ft (KB)
 2887.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8017

Inside

Press@RunDepth: 20.05 psig @ 4333.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2006.09.06 End Date: 2006.09.07 Last Calib.: 2006.09.07
 Start Time: 17:16:01 End Time: 00:13:45 Time On Btm: 2006.09.06 @ 19:41:30
 Time Off Btm: 2006.09.06 @ 21:57:45

TEST COMMENT: IF Weak blow died @ 14 min.
 ISI No return
 FF No blow
 FSI No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2144.23	115.40	Initial Hydro-static
1	18.51	114.20	Open To Flow (1)
17	19.64	114.74	Shut-In(1)
46	91.10	115.38	End Shut-In(1)
46	19.31	115.37	Open To Flow (2)
76	20.05	116.22	Shut-In(2)
136	79.18	117.88	End Shut-In(2)
137	2087.11	118.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M 100%M	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Larson Operating
562 W Hwy 4
Olmitz KS 67564-8561

ATTN: Bob Lew ellyn

Sharp Seed #1-17
17 18 30 Lane KS
Job Ticket: 25604 **DST#: 3**
Test Start: 2006.09.06 @ 17:16:00

Tool Information

Drill Pipe:	Length: 4330.00 ft	Diameter: 3.80 inches	Volume: 60.74 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 60.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	4330.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	103.00 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			4303.00	
Shut In Tool	5.00			4308.00	
Hydraulic tool	5.00			4313.00	
Jars	5.00			4318.00	
Safety Joint	3.00			4321.00	
Packer	5.00			4326.00	28.00 Bottom Of Top Packer
Packer	4.00			4330.00	
Stubb	1.00			4331.00	
Perforations	2.00			4333.00	
Recorder	0.00	8017	Inside	4333.00	
Perforations	34.00			4367.00	
Change Over Sub	1.00			4368.00	
Drill Pipe	31.00			4399.00	
Change Over Sub	1.00			4400.00	
Recorder	0.00	13276	Inside	4400.00	
Bullnose	5.00			4405.00	75.00 Bottom Packers & Anchor
Total Tool Length:	103.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Operating

Sharp Seed #1-17

562 W Hwy 4
Olmitz KS 67564-8561

17 18 30 Lane KS

Job Ticket: 25604

DST#: 3

ATTN: Bob Lew ellyn

Test Start: 2006.09.06 @ 17:16:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 7.18 in³

Resistivity: 0.00 ohm.m

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

0 deg API

Water Salinity:

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	M 100%M	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: Spots of oil in recovery.

Serial #: 8017

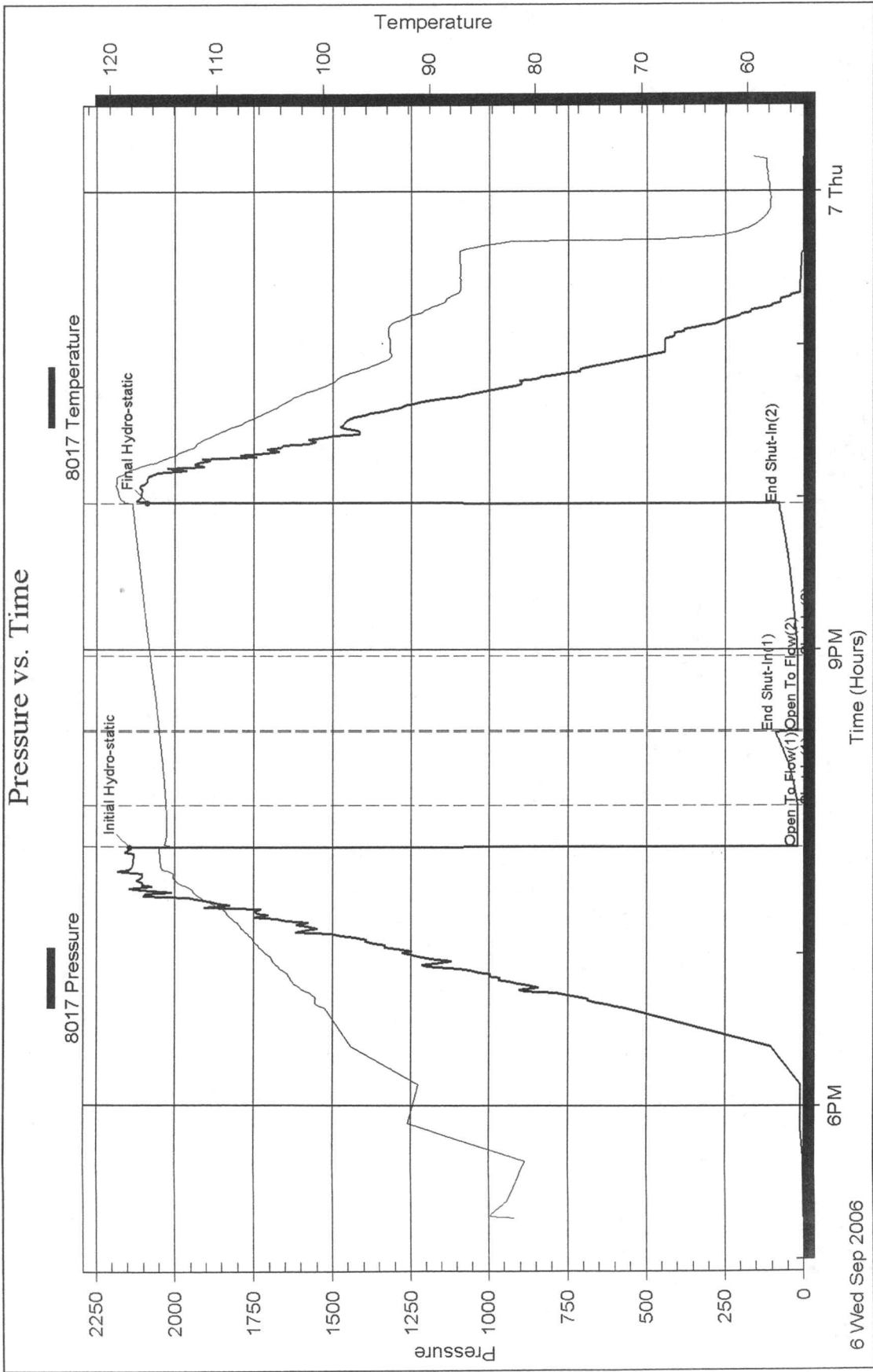
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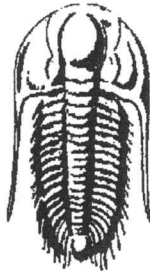
Larson Operating

17 18 30 Lane KS

DST Test Number: 3

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Larson Operating**

562 W Hwy 4
Olmitz KS 67564-8561

ATTN: Bob Lewellyn

17 18 30 Lane KS

Sharp Seed #1-17

Start Date: 2006.09.09 @ 14:43:00

End Date: 2006.09.09 @ 22:17:08

Job Ticket #: 25607 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Larson Operating

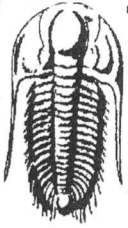
Sharp Seed #1-17

17 18 30 Lane KS

DST # 4

KC "L"

2006.09.09



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Larson Operating
 562 W Hwy 4
 Olmitz KS 67564-8561
 ATTN: Bob Lewellyn

Sharp Seed #1-17
17 18 30 Lane KS
 Job Ticket: 25607 **DST#: 4**
 Test Start: 2006.09.09 @ 14:43:00

GENERAL INFORMATION:

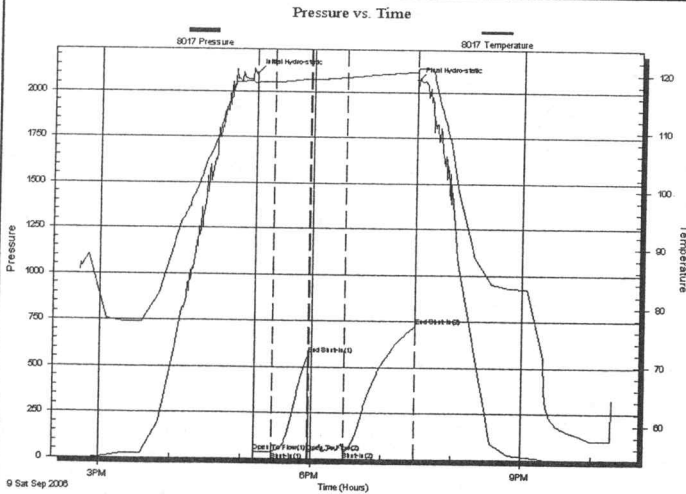
Formation: **KC "L"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:11:15
 Time Test Ended: 22:17:08
 Interval: **4272.00 ft (KB) To 4318.00 ft (KB) (TVD)**
 Total Depth: 4620.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Straddle
 Tester: Chuck Smith
 Unit No: 37
 Reference Elevations: 2897.00 ft (KB)
 2887.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8017

Inside

Press@RunDepth: 38.20 psig @ 4307.00 ft (KB)
 Start Date: 2006.09.09 End Date: 2006.09.09
 Start Time: 14:43:01 End Time: 22:17:08
 Capacity: 7000.00 psig
 Last Calib.: 1899.12.30
 Time On Btm: 2006.09.09 @ 17:11:00
 Time Off Btm: 2006.09.09 @ 19:28:45

TEST COMMENT: IF Surface blow built to >3/4 "
 ISI No return
 FF Surface after 6 min. blow died @ 6 1/2 min.
 FSI No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2098.19	118.48	Initial Hydro-static
1	36.65	118.06	Open To Flow (1)
16	38.11	118.59	Shut-In(1)
46	565.89	119.18	End Shut-In(1)
47	37.81	119.05	Open To Flow (2)
78	38.20	119.45	Shut-In(2)
138	723.69	120.48	End Shut-In(2)
138	2065.27	120.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M 100%M	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Larson Operating

Sharp Seed #1-17

562 W Hwy 4
Olmitz KS 67564-8561

17 18 30 Lane KS

Job Ticket: 25607

DST#: 4

ATTN: Bob Lewellyn

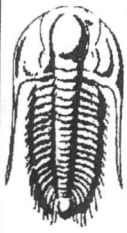
Test Start: 2006.09.09 @ 14:43:00

Tool Information

Drill Pipe:	Length: 4266.00 ft	Diameter: 3.80 inches	Volume: 59.84 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 59.84 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4272.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	4318.00 ft			
Interval between Packers:	46.00 ft			
Tool Length:	376.00 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			4246.00	
Shut In Tool	5.00			4251.00	
Hydraulic tool	5.00			4256.00	
Jars	5.00			4261.00	
Safety Joint	2.00			4263.00	
Packer	5.00			4268.00	27.00 Bottom Of Top Packer
Packer	4.00			4272.00	
Stubb	1.00			4273.00	
Perforations	2.00			4275.00	
Change Over Sub	1.00			4276.00	
Drill Pipe	30.00			4306.00	
Change Over Sub	1.00			4307.00	
Recorder	0.00	8017	Inside	4307.00	
Perforations	7.00			4314.00	
Recorder	0.00	13309	Inside	4314.00	
Blank Off Sub	1.00			4315.00	
top of shale packer	3.00			4318.00	46.00 Tool Interval
Packer	1.00			4319.00	
Stubb	1.00			4320.00	
Perforations	14.00			4334.00	
Change Over Sub	1.00			4335.00	
Anchor	280.00			4615.00	
Change Over Sub	1.00			4616.00	
Recorder	0.00	13276	Below	4616.00	
Bullnose	5.00			4621.00	303.00 Bottom Packers & Anchor

Total Tool Length: 376.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Operating
562 W Hwy 4
Olmitz KS 67564-8561
ATTN: Bob Lew ellyn

Sharp Seed #1-17
17 18 30 Lane KS
Job Ticket: 25607 **DST#: 4**
Test Start: 2006.09.09 @ 14:43:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.20 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2400.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	M 100%M	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 #: 8017

Inside

Larson Operating

17 18 30 Lane KS

DST Test Number: 4

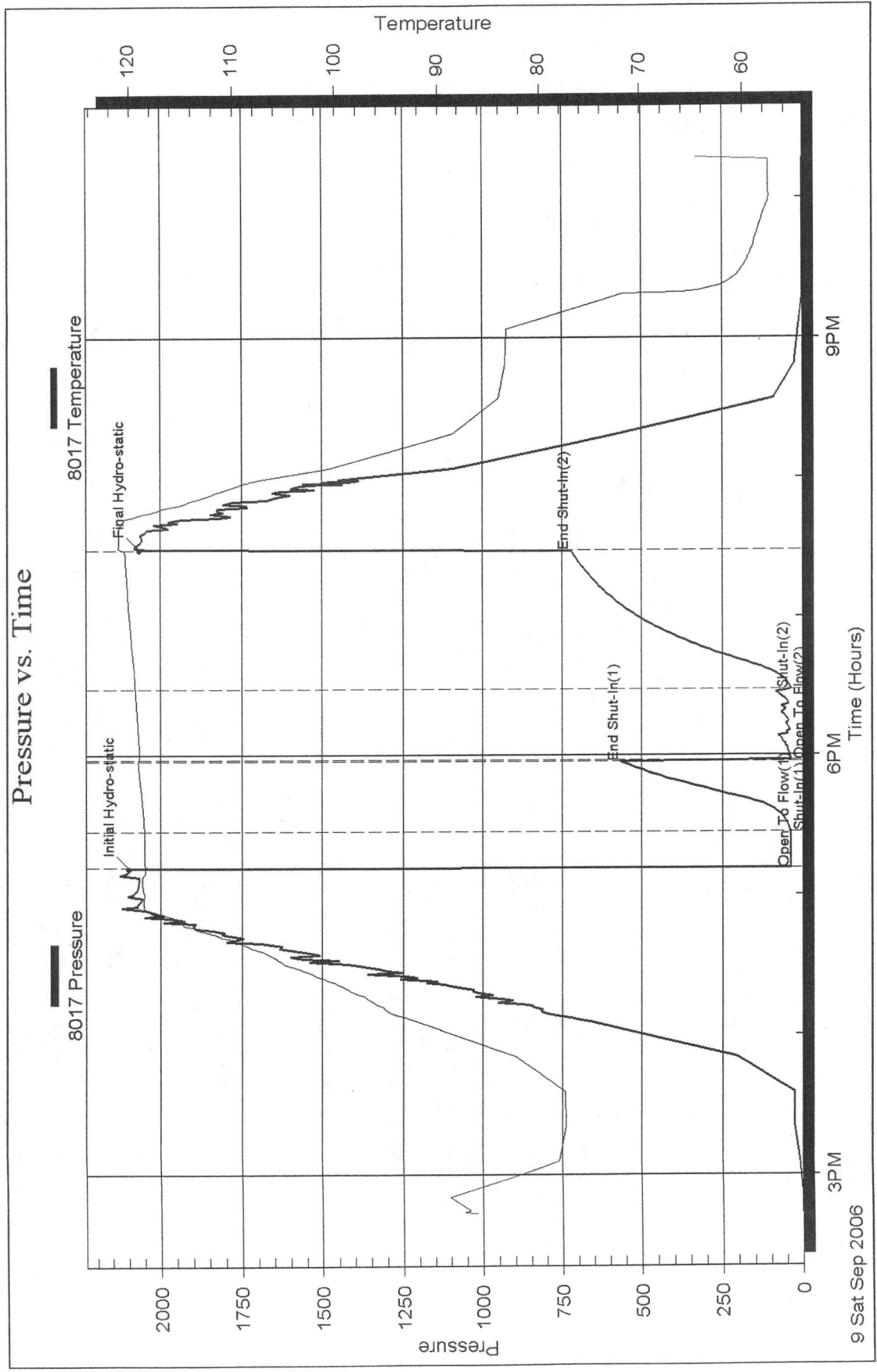


CHART PAGE

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

Harrison Operating Sharp Seed 1-17 DSF 21
25602

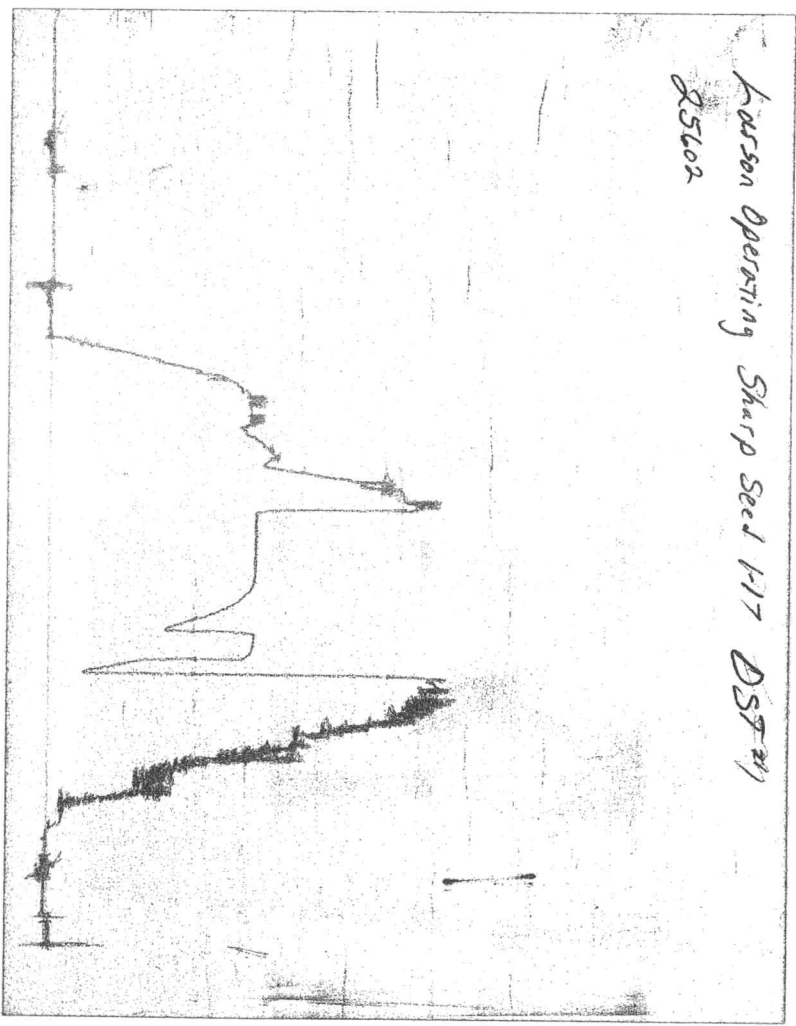


CHART PAGE

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

Lawson Sharp Seed #1-17

DST # 2

25603

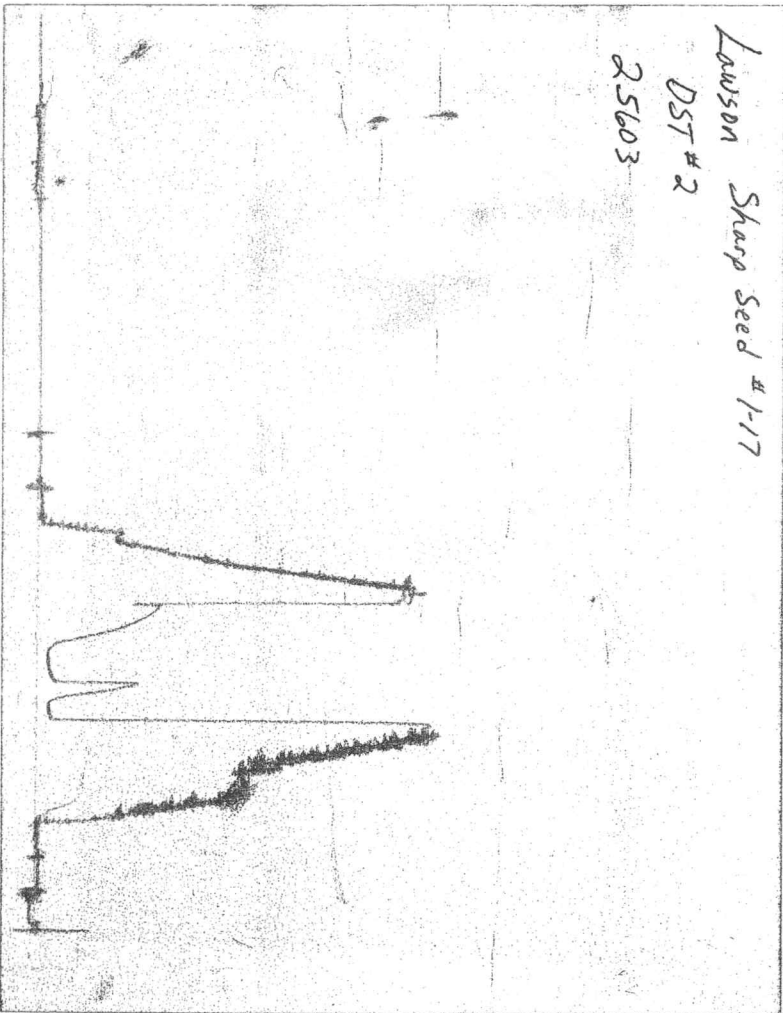


CHART PAGE

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

Larson Operat. Sharp Seed #1-17 DST#3
25604

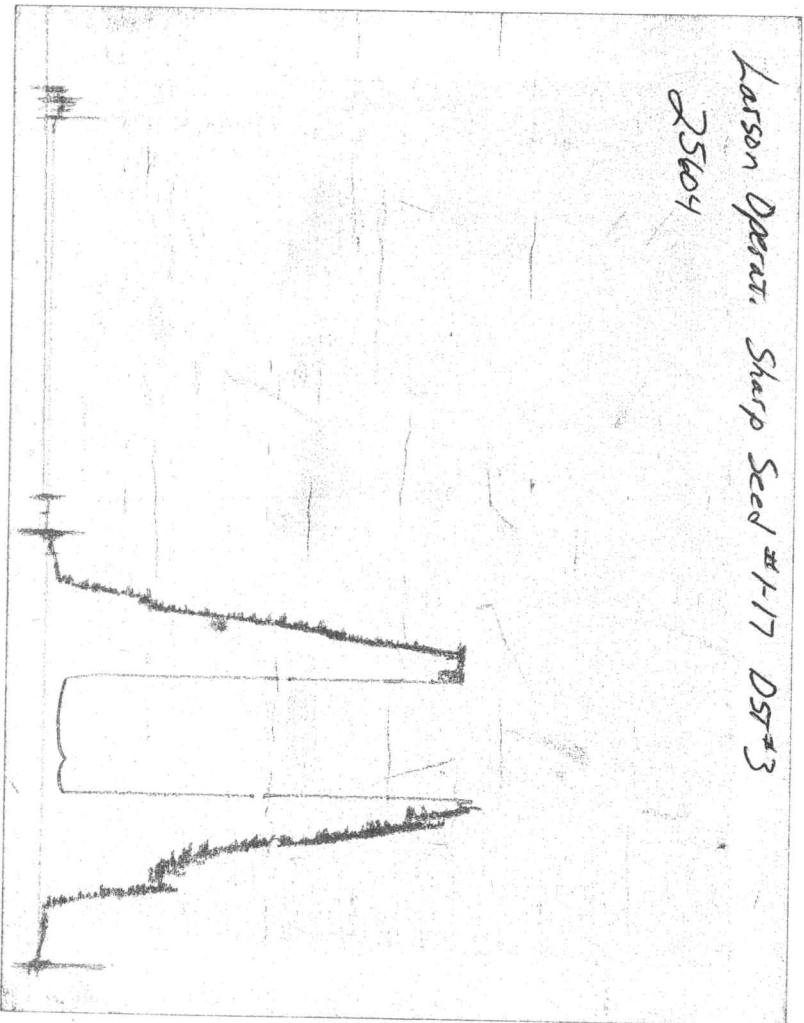


CHART PAGE

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

Larson Sharp # 1-17 DST # 4
25607

in Tail pipe

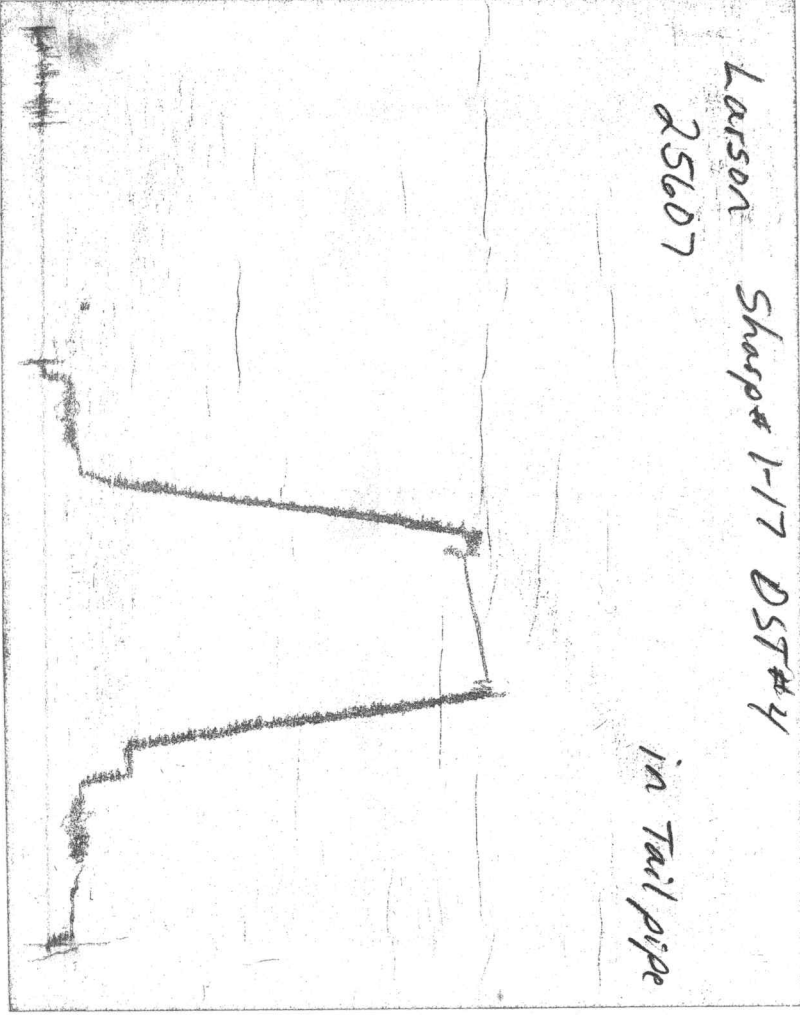


CHART PAGE

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

Larson Sharp Seed #1-17 DST#4
25607

in anchor

