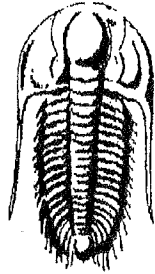


15-101-22037

21-18s-30w

IND



**TRILOBITE
TESTING, INC.**

CONFIDENTIAL
DEC 19 2007

KCC

DRILL STEM TEST REPORT

Prepared For: **Larson Engineering Inc**

562 W State Rd 4
Olmitz KS 67564

ATTN: Bob Lewellyn

21 18 30 Lane KS

Steele 1-21

Start Date: 2007.08.30 @ 11:40:16

End Date: 2007.08.30 @ 19:53:10

Job Ticket #: 28697 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Larson Engineering Inc

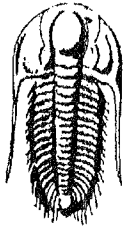
Steele 1-21

21 18 30 Lane KS

DST # 1

Lansing H

2007.08.30



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Larson Engineering Inc

562 W State Rd 4
Olmitz KS 67564

ATTN: Bob Lewellyn

Steele 1-21

21 18 30 Lane KS

Job Ticket: 28697

DST#: 1

Test Start: 2007.08.30 @ 11:40:16

GENERAL INFORMATION:

Formation: **Lansing H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:45:56

Time Test Ended: 19:53:10

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4114.00 ft (KB) To 4144.00 ft (KB) (TVD)**

Total Depth: 4144.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2893.00 ft (KB)

2888.00 ft (CF)

KB to GRVCF: 5.00 ft

Serial #: 6772 Inside

Press@RunDepth: 60.63 psig @ 4115.00 ft (KB)

Start Date: 2007.08.30

End Date:

2007.08.30

Start Time: 11:40:16

End Time:

19:53:10

Capacity: 7000.00 psig

Last Calib.: 2007.08.30

Time On Btm: 2007.08.30 @ 14:38:11

Time Off Btm: 2007.08.30 @ 17:50:40

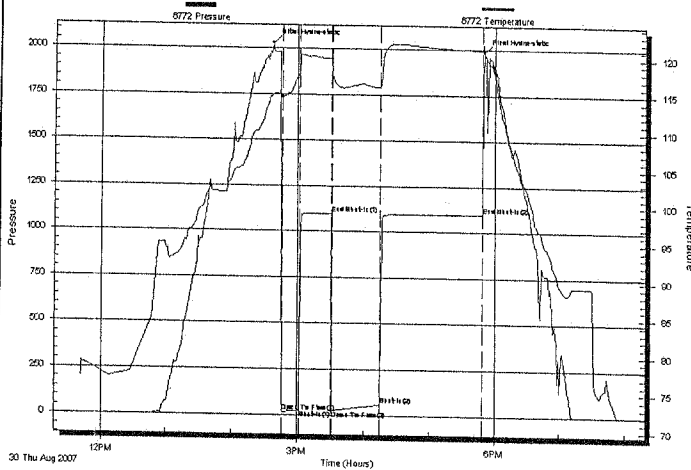
TEST COMMENT: IF 1/4 blow built to 2 in 15 min.

IS No return

FF Surface blow built to 4 in 45 min.

FS No return

Pressure vs. Time



PRESSURE SUMMARY

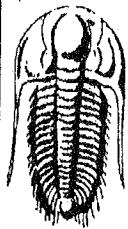
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2028.47	114.99	Initial Hydro-static
8	15.84	114.35	Open To Flow (1)
24	26.14	117.49	Shut-In(1)
53	1098.03	119.93	End Shut-In(1)
53	27.47	119.37	Open To Flow (2)
97	60.63	116.11	Shut-In(2)
191	1098.10	121.17	End Shut-In(2)
193	1987.42	120.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
93.00	MCW 80%W 20%M	1.30

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Larson Engineering Inc

Steele 1-21

562 W State Rd 4
Olmitz KS 67564

21 18 30 Lane KS

Job Ticket: 28697

DST#: 1

ATTN: Bob Lewellyn

Test Start: 2007.08.30 @ 11:40:16

Tool Information

Drill Pipe:	Length: 4109.00 ft	Diameter: 3.80 inches	Volume: 57.64 bbl	Tool Weight: 1500.00 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: 60000.00 lb
			<u>Total Volume: 57.64 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	4114.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

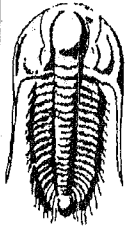
Stubb	1.00			4088.00	
Shut In Tool	5.00			4093.00	
Hydraulic tool	5.00			4098.00	
Jars	5.00			4103.00	
Safety Joint	2.00			4105.00	
Packer	5.00			4110.00	27.00 Bottom Of Top Packer
Packer	4.00			4114.00	
Stubb	1.00			4115.00	
Recorder	0.00	6772	Inside	4115.00	
Perforations	24.00			4139.00	
Recorder	0.00	7437	Outside	4139.00	
Bullnose	5.00			4144.00	30.00 Bottom Packers & Anchor

Total Tool Length: 57.00

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 19 2007

CONSERVATION DIVISION
WICHITA, KS



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering Inc

Steele 1-21

562 W State Rd 4
Olmitz KS 67564

21 18 30 Lane KS

Job Ticket: 28697

DST#: 1

ATTN: Bob Lewellyn

Test Start: 2007.08.30 @ 11:40:16

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 8.76 in³

Resistivity: 0.00 ohm.m

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbbl

psig

Oil API:

Water Salinity:

0 deg API

26000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
93.00	MCW 80%W 20%M	1.305

Total Length: 93.00 ft Total Volume: 1.305 bbl

Num Fluid Samples: 0

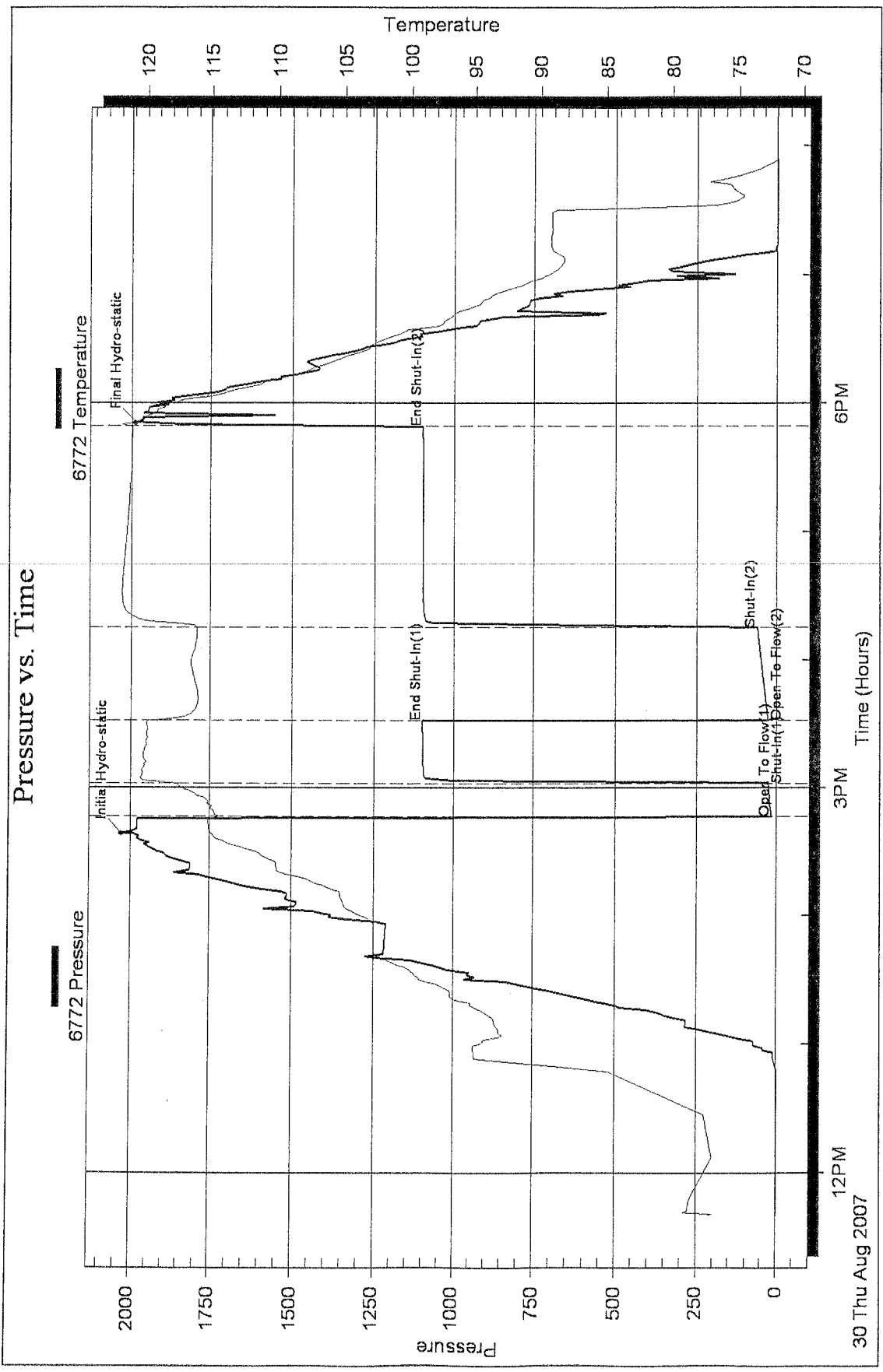
Num Gas Bombs: 0

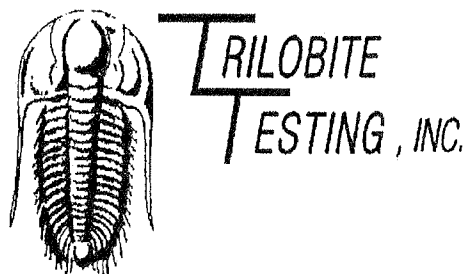
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Larson Engineering Inc**

562 W State Rd 4
Olmitz KS 67564

ATTN: Bob Lewellyn

21 18 30 Lane KS

Steele 1-21

Start Date: 2007.08.31 @ 14:10:51

End Date: 2007.08.31 @ 20:35:45

Job Ticket #: 28698 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Larson Engineering Inc

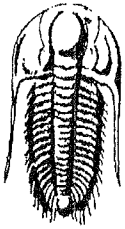
Steele 1-21

21 18 30 Lane KS

DST # 2

Lansing L

2007.08.31



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Larson Engineering Inc

562 W State Rd 4
Olmitz KS 67564

ATTN: Bob Lewellyn

Steele 1-21

21 18 30 Lane KS

Job Ticket: 28698

DST#: 2

Test Start: 2007.08.31 @ 14:10:51

GENERAL INFORMATION:

Formation: **Lansing L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:19:01

Time Test Ended: 20:35:45

Interval: **4262.00 ft (KB) To 4280.00 ft (KB) (TVD)**

Total Depth: 4280.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Reference Elevations: 2893.00 ft (KB)

2888.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772 Inside

Press@RunDepth: 29.84 psig @ 4263.00 ft (KB)

Start Date: 2007.08.31

End Date:

2007.08.31

Start Time: 14:10:51

End Time:

20:35:45

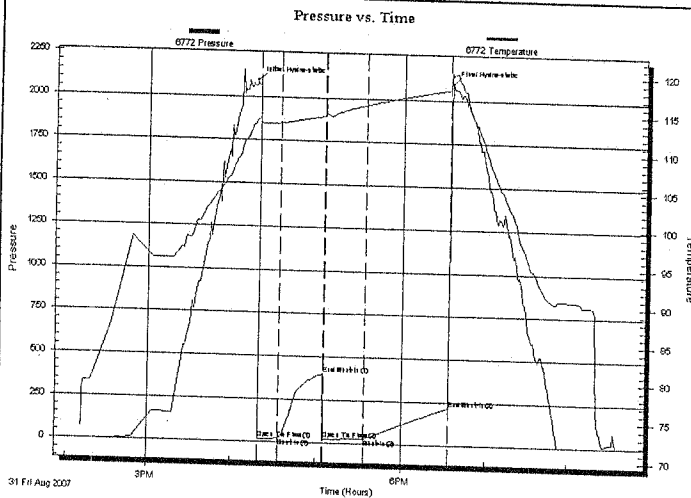
Capacity: 7000.00 psig

Last Calib.: 2007.08.31

Time On Btm: 2007.08.31 @ 16:16:46

Time Off Btm: 2007.08.31 @ 18:34:45

TEST COMMENT: IF Surface blow never died
IS No return
FF Surface blow never built
FS No return



PRESSURE SUMMARY

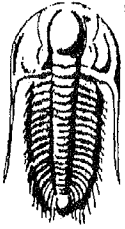
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2096.33	113.68	Initial Hydro-static
3	16.07	113.42	Open To Flow (1)
17	21.81	113.47	Shut-In(1)
48	400.08	114.42	End Shut-In(1)
49	25.72	114.50	Open To Flow (2)
78	29.84	115.95	Shut-In(2)
137	214.55	118.15	End Shut-In(2)
138	2095.42	119.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	100%M	0.35
5.00	100%O	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Larson Engineering Inc

Steele 1-21

562 W State Rd 4
Olmitz KS 67564

21 18 30 Lane KS

Job Ticket: 28698

DST#: 2

ATTN: Bob Lewellyn

Test Start: 2007.08.31 @ 14:10:51

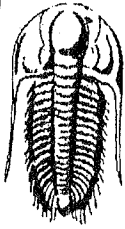
Tool Information

Drill Pipe:	Length: 4265.00 ft	Diameter: 3.80 inches	Volume: 59.83 bbl	Tool Weight: 1500.00 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: 60000.00 lb
			<u>Total Volume: 59.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	4262.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4236.00	
Shut In Tool	5.00			4241.00	
Hydraulic tool	5.00			4246.00	
Jars	5.00			4251.00	
Safety Joint	2.00			4253.00	
Packer	5.00			4258.00	27.00 Bottom Of Top Packer
Packer	4.00			4262.00	
Stubb	1.00			4263.00	
Recorder	0.00	6772	Inside	4263.00	
Perforations	12.00			4275.00	
Recorder	0.00	7437	Outside	4275.00	
Bullnose	5.00			4280.00	18.00 Bottom Packers & Anchor

Total Tool Length: 45.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering Inc

Steele 1-21

562 W State Rd 4
Olmitz KS 67564

21 18 30 Lane KS

Job Ticket: 28698

DST#: 2

ATTN: Bob Lew ellyn

Test Start: 2007.08.31 @ 14:10:51

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 9.56 in³

Resistivity: 0.00 ohm.m

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

0 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	100%M	0.351
5.00	100%O	0.070

Total Length: 30.00 ft

Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

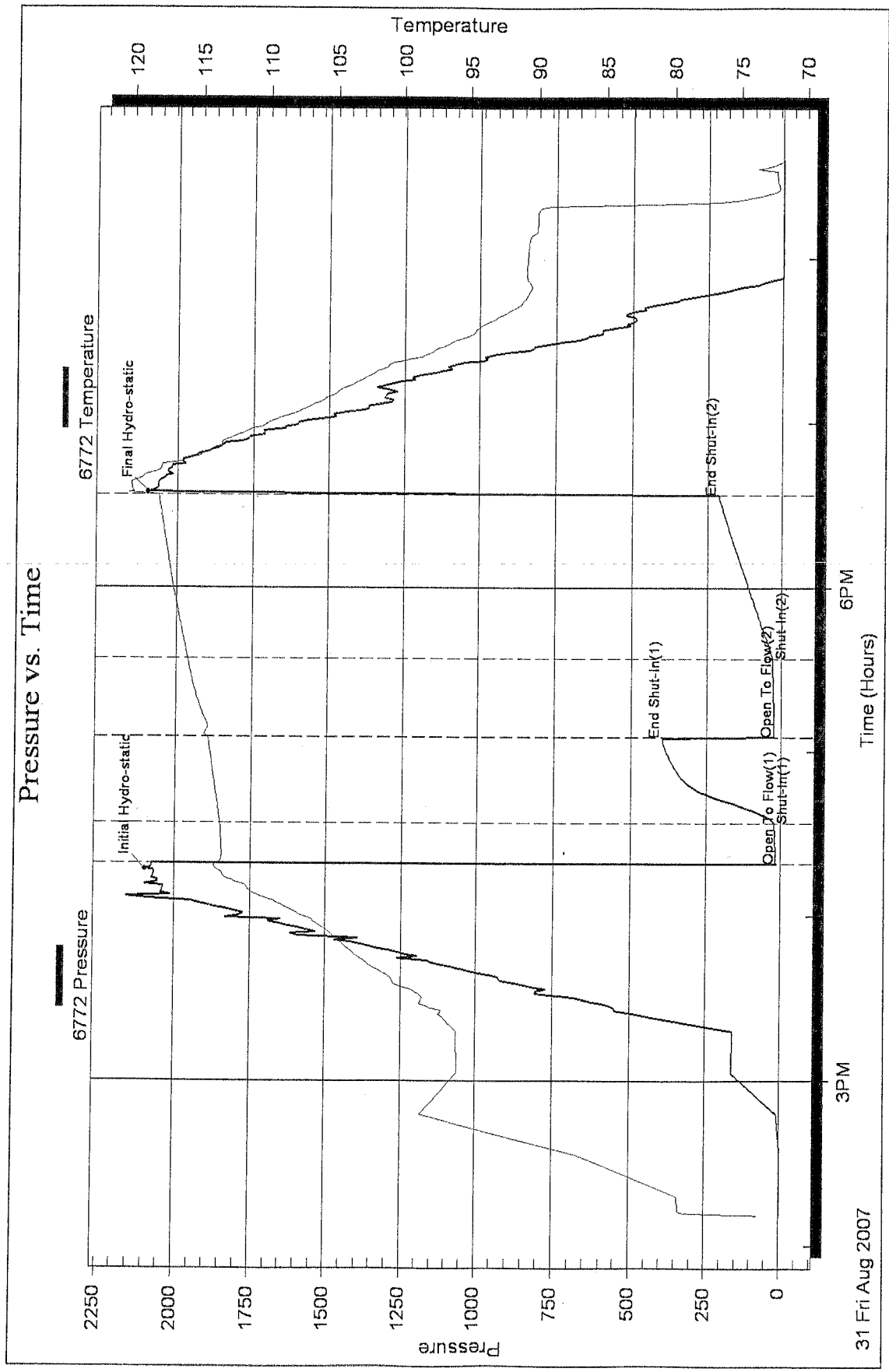
Serial #: 6772

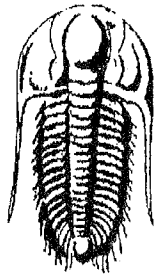
Inside

Larson Engineering Inc

21 18 30 Lane KS

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Larson Engineering Inc**

562 W State Rd 4
Olmitz KS 67564

ATTN: Bob Lewellyn

21 18 30 Lane KS

Steele 1-21

Start Date: 2007.09.01 @ 13:58:07

End Date: 2007.09.01 @ 22:21:01

Job Ticket #: 28699 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Larson Engineering Inc

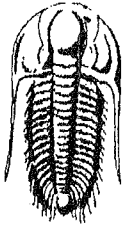
Steele 1-21

21 18 30 Lane KS

DST # 3

Altamount

2007.09.01



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Larson Engineering Inc

Steele 1-21

562 W State Rd 4
Olmitz KS 67564

21 18 30 Lane KS

ATTN: Bob Lew ellyn

Job Ticket: 28699

DST#: 3

Test Start: 2007.09.01 @ 13:58:07

GENERAL INFORMATION:

Formation: **Altamount**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:32:32
 Time Test Ended: 22:21:01

Test Type: Conventional Bottom Hole
 Tester: Brandon Turley
 Unit No: 35

Interval: **4320.00 ft (KB) To 4370.00 ft (KB) (TVD)**
 Total Depth: 4370.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

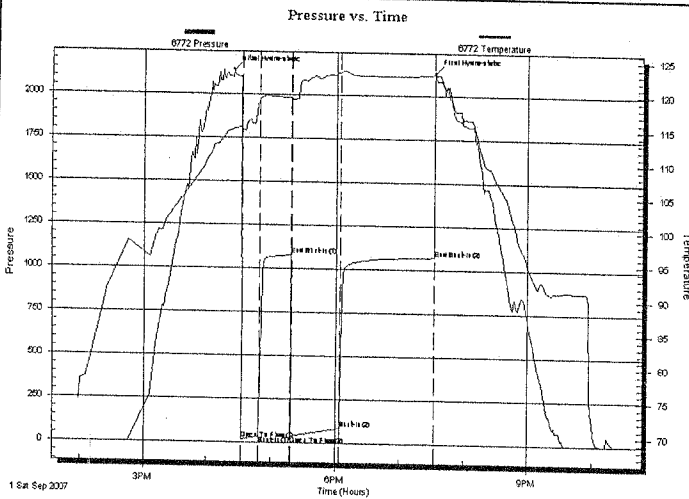
Reference Elevations: 2893.00 ft (KB)
 2888.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6772 Inside

Press@RunDepth: 85.23 psig @ 4321.00 ft (KB)
 Start Date: 2007.09.01 End Date: 2007.09.01
 Start Time: 13:58:07 End Time: 22:21:01

Capacity: 7000.00 psig
 Last Calib.: 2007.09.01
 Time On Btm: 2007.09.01 @ 16:24:17
 Time Off Btm: 2007.09.01 @ 19:33:16

TEST COMMENT: IF Surface blow built to 3 in 15 min.
 IS No return
 FF Surface blow built to 6 in 45 min.
 FS No return



PRESSURE SUMMARY

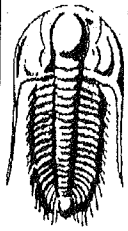
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2137.95	114.77	Initial Hydro-static
9	17.16	114.56	Open To Flow (1)
25	37.95	118.87	Shut-In (1)
54	1076.80	119.47	End Shut-In (1)
55	40.17	119.23	Open To Flow (2)
100	85.23	123.21	Shut-In (2)
189	1069.53	122.98	End Shut-In (2)
189	2130.76	122.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	WCM 30%W 70%M	1.74
18.00	OCM 5%O 95%M	0.25
2.00	Free Oil 100%O	0.03

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Larson Engineering Inc

Steele 1-21

562 W State Rd 4
Olmritz KS 67564

21 18 30 Lane KS

Job Ticket: 28699

DST#: 3

ATTN: Bob Lewellyn

Test Start: 2007.09.01 @ 13:58:07

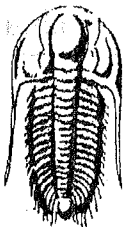
Tool Information

Drill Pipe:	Length: 4324.00 ft	Diameter: 3.80 inches	Volume: 60.65 bbl	Tool Weight: 1500.00 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: 60000.00 lb
			<u>Total Volume: 60.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	4320.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	77.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4294.00	
Shut In Tool	5.00			4299.00	
Hydraulic tool	5.00			4304.00	
Jars	5.00			4309.00	
Safety Joint	2.00			4311.00	
Packer	5.00			4316.00	27.00 Bottom Of Top Packer
Packer	4.00			4320.00	
Stubb	1.00			4321.00	
Recorder	0.00	6772	Inside	4321.00	
Perforations	11.00			4332.00	
Change Over Sub	1.00			4333.00	
Drill Pipe	31.00			4364.00	
Change Over Sub	1.00			4365.00	
Recorder	0.00	7437	Outside	4365.00	
Bullnose	5.00			4370.00	50.00 Bottom Packers & Anchor

Total Tool Length: 77.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering Inc

Steele 1-21

562 W State Rd 4
Olmitz KS 67564

21 18 30 Lane KS

Job Ticket: 28699

DST#: 3

ATTN: Bob Lew ellyn

Test Start: 2007.09.01 @ 13:58:07

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 8.77 in³

Resistivity: 0.00 ohm.m

Salinity: 2700.00 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: 19000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	WCM 30%W 70%M	1.739
18.00	OCM 5%O 95%M	0.252
2.00	Free Oil 100%O	0.028

Total Length: 144.00 ft

Total Volume: 2.019 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

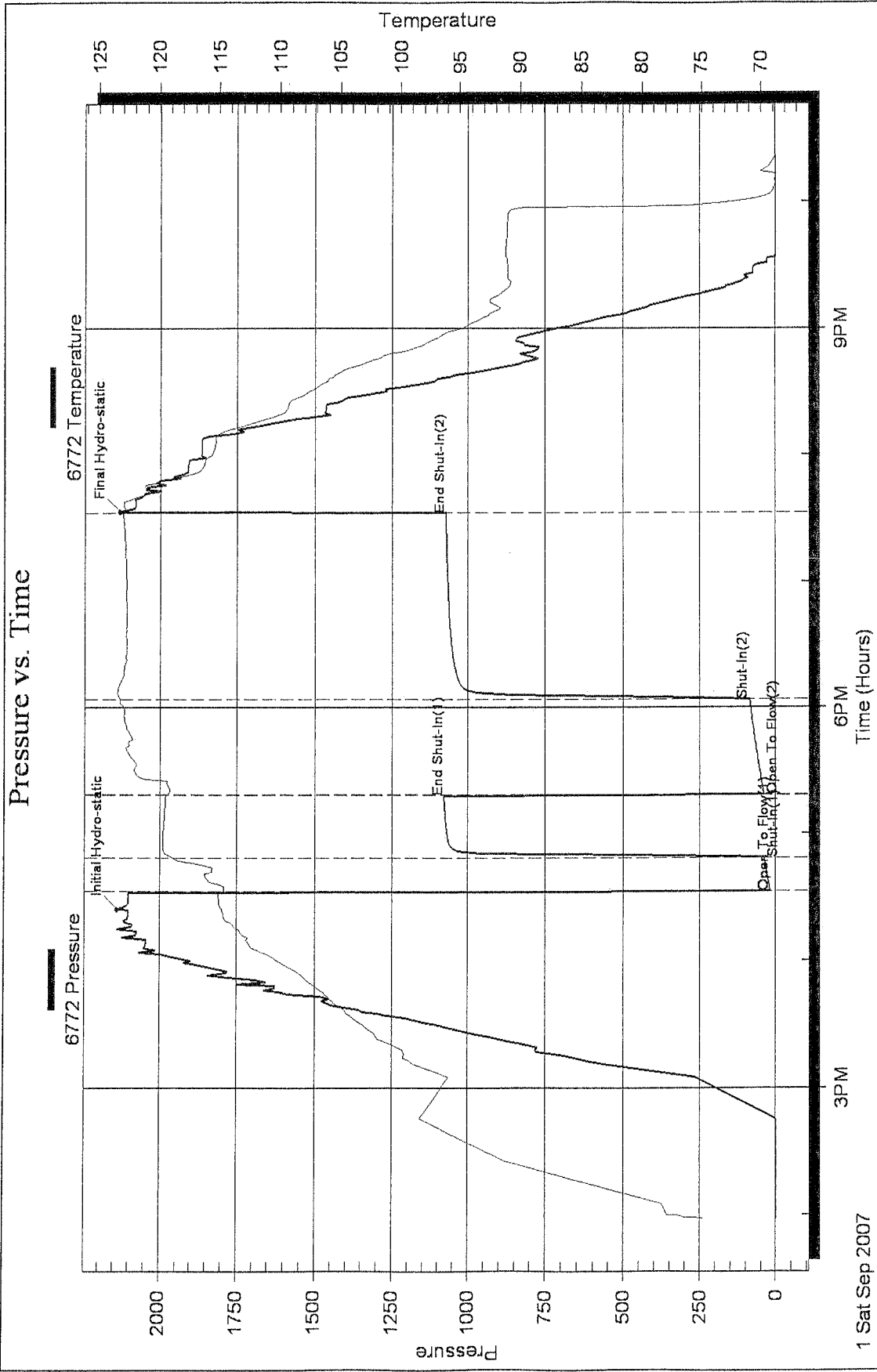
Serial #:

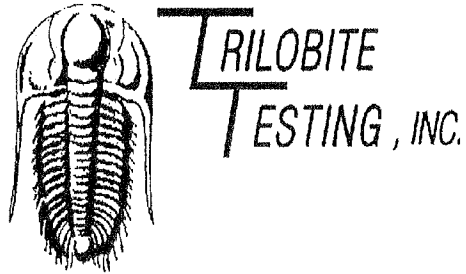
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Larson Engineering Inc**

562 W State Rd 4
Olmitz KS 67564

ATTN: Bob Lewellyn

21 18 30 Lane KS

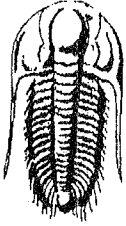
Steele 1-21

Start Date: 2007.09.02 @ 19:30:44

End Date: 2007.09.03 @ 04:02:08

Job Ticket #: 28700 DST #: 4

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 Engineering Inc

Steele 1-21

562 W State Rd 4
Olmitz KS 67564

21 18 30 Lane KS

ATTN: Bob Lew ellyn

Job Ticket: 28700

DST#: 4

Test Start: 2007.09.02 @ 19:30:44

GENERAL INFORMATION:

Formation: **Lower pawnee- Ft Sco**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:12:39

Time Test Ended: 04:02:08

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4415.00 ft (KB) To 4505.00 ft (KB) (TVD)**

Total Depth: 4505.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2893.00 ft (KB)

2888.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772 Inside

Press@RunDepth: 229.35 psig @ 4416.00 ft (KB)

Start Date: 2007.09.02

End Date:

2007.09.03

Capacity: 7000.00 psig

Start Time: 19:30:44

End Time:

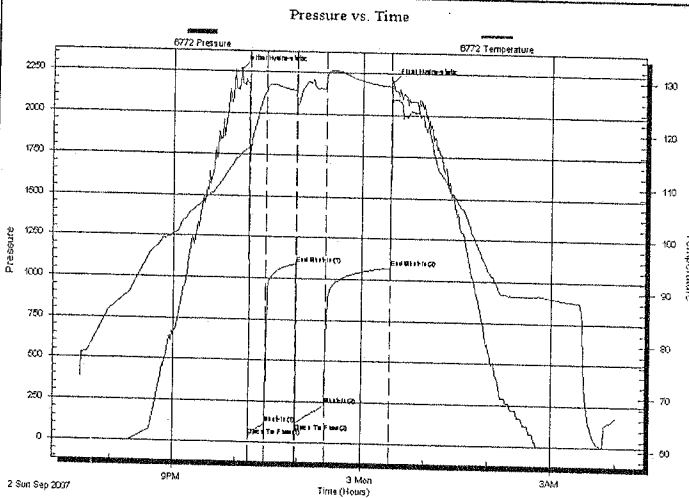
04:02:08

Last Calib.: 2007.09.03

Time On Btm: 2007.09.02 @ 22:04:24

Time Off Btm: 2007.09.03 @ 00:29:08

TEST COMMENT: IF BOB in 5 min.
IS Surface blow built to 1 in 30 min.
FF BOB in 4 min.
FS Surface blow built to 7 in 60 min.



PRESSURE SUMMARY

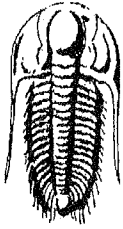
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2264.27	115.68	Initial Hydro-static
9	34.26	116.10	Open To Flow (1)
24	114.54	127.43	Shut-In(1)
53	1091.13	127.71	End Shut-In(1)
54	121.72	125.62	Open To Flow(2)
82	229.35	128.06	Shut-In(2)
143	1073.74	128.72	End Shut-In(2)
145	2200.99	125.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	GOCM 30%G 10%O 60%M	3.48
124.00	MCGO 30%G 60%O 10%M	1.74
248.00	GO 40%G 60%O	3.48

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Larson Engineering Inc

Steele 1-21

562 W State Rd 4
Olmitz KS 67564

21 18 30 Lane KS

Job Ticket: 28700

DST#: 4

ATTN: Bob Lewellyn

Test Start: 2007.09.02 @ 19:30:44

Tool Information

Drill Pipe:	Length: 4418.00 ft	Diameter: 3.80 inches	Volume: 61.97 bbl	Tool Weight: 1500.00 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
			<u>Total Volume: 61.97 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	4415.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	117.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

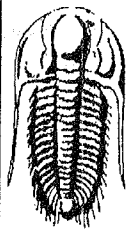
Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4389.00	
Shut In Tool	5.00			4394.00	
Hydraulic tool	5.00			4399.00	
Jars	5.00			4404.00	
Safety Joint	2.00			4406.00	
Packer	5.00			4411.00	27.00 Bottom Of Top Packer
Packer	4.00			4415.00	
Stubb	1.00			4416.00	
Recorder	0.00	6772	Inside	4416.00	
Perforations	22.00			4438.00	
Drill Pipe	62.00			4500.00	
Recorder	0.00	7437	Outside	4500.00	
Bullnose	5.00			4505.00	90.00 Bottom Packers & Anchor

Total Tool Length: 117.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering Inc

Steele 1-21

562 W State Rd 4
Olmitz KS 67564

21 18 30 Lane KS

Job Ticket: 28700

DST#: 4

ATTN: Bob Lewellyn

Test Start: 2007.09.02 @ 19:30:44

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 9.58 in³

Resistivity: 0.00 ohm.m

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 36 deg API

Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	GOCM 30%G 10%O 60%M	3.479
124.00	MCGO 30%G 60%O 10%M	1.739
248.00	GO 40%G 60%O	3.479

Total Length: 620.00 ft Total Volume: 8.697 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: GIP 496

Pressure vs. Time

