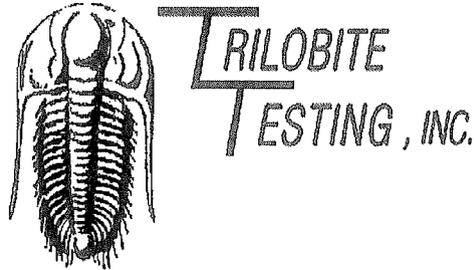


15-009-25465

3-17s-11w

IND



DRILL STEM TEST REPORT

Prepared For: **Zinszer Oil Company Inc**

P O Box 211
Hays Ks 67601

ATTN: Perry Henman

3-17s-11w Barton,Ks

Frees/Brumeister #13

Start Date: 2010.08.22 @ 03:34:03

End Date: 2010.08.22 @ 10:40:27

Job Ticket #: 40130 DST #: 1

RECEIVED
NOV 10 2010
KCC WICHITA

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Zinszer Oil Company Inc

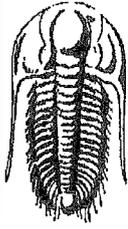
Frees/Brumeister #13

3-17s-11w Barton,Ks

DST # 1

LKC "J"

2010.08.22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Zinszer Oil Company Inc

Frees/Brumeister #13

P O Box 211
Hays Ks 67601

3-17s-11w Barton, Ks

ATTN: Perry Henman

Job Ticket: 40130

DST#: 1

Test Start: 2010.08.22 @ 03:34:03

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:37:58

Time Test Ended: 10:40:27

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: **3220.00 ft (KB) To 3245.00 ft (KB) (TVD)**

Reference Elevations: 1915.00 ft (KB)

Total Depth: 3245.00 ft (KB) (TVD)

1907.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625

Inside

Press@RunDepth: 75.40 psig @ 3221.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.08.22

End Date: 2010.08.22

Last Calib.: 2010.08.22

Start Time: 03:34:03

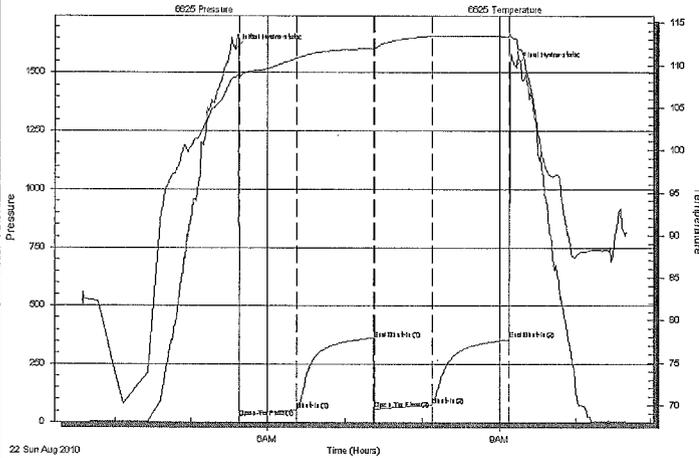
End Time: 10:40:27

Time On Btm: 2010.08.22 @ 05:35:28

Time Off Btm: 2010.08.22 @ 09:12:57

TEST COMMENT: IFF-w k to strg in 45 min
FFP-w k to a fr bl 1/4"to 5 1/2"bl
no bl on shut-ins

Pressure vs. Time



PRESSURE SUMMARY

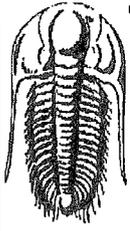
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1602.61	108.62	Initial Hydro-static
3	19.67	108.53	Open To Flow (1)
47	51.78	110.83	Shut-In(1)
107	358.46	112.00	End Shut-In(1)
108	55.62	112.04	Open To Flow (2)
152	75.40	113.46	Shut-In(2)
213	355.50	113.39	End Shut-In(2)
218	1529.38	113.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	MW 20%M 80%W w /show of oil	0.99
35.00	MGO 5%G 10%W 40%M 45%O	0.49
0.00	120' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Zinszer Oil Company Inc

Frees/Brumeister #13

P O Box 211
Hays Ks 67601

3-17s-11w Barton, Ks

Job Ticket: 40130

DST#: 1

ATTN: Perry Henman

Test Start: 2010.08.22 @ 03:34:03

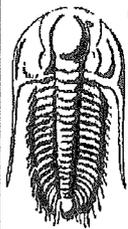
Tool Information

Drill Pipe:	Length: 3178.00 ft	Diameter: 3.80 inches	Volume: 44.58 bbl	Tool Weight: 2200.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume: 44.73 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3220.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	46.00 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			3200.00	
Shut In Tool	5.00			3205.00	
Hydraulic tool	5.00			3210.00	
Packer	5.00			3215.00	21.00 * Bottom Of Top Packer
Packer	5.00			3220.00	
Stubb	1.00			3221.00	
Recorder	0.00	6625	Inside	3221.00	
Recorder	0.00	8700	Outside	3221.00	
Perforations	21.00			3242.00	
Bullnose	3.00			3245.00	25.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Zinszer Oil Company Inc

Frees/Brumeister #13

P O Box 211
Hays Ks 67601

3-17s-11w Barton, Ks

Job Ticket: 40130

DST#: 1

ATTN: Perry Henman

Test Start: 2010.08.22 @ 03:34:03

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:	55000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.34 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	MW 20%M 80%W w /show of oil	0.989
35.00	MGO 5%G 10%W 40%M 45%O	0.491
0.00	120' GIP	0.000

Total Length: 125.00 ft Total Volume: 1.480 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

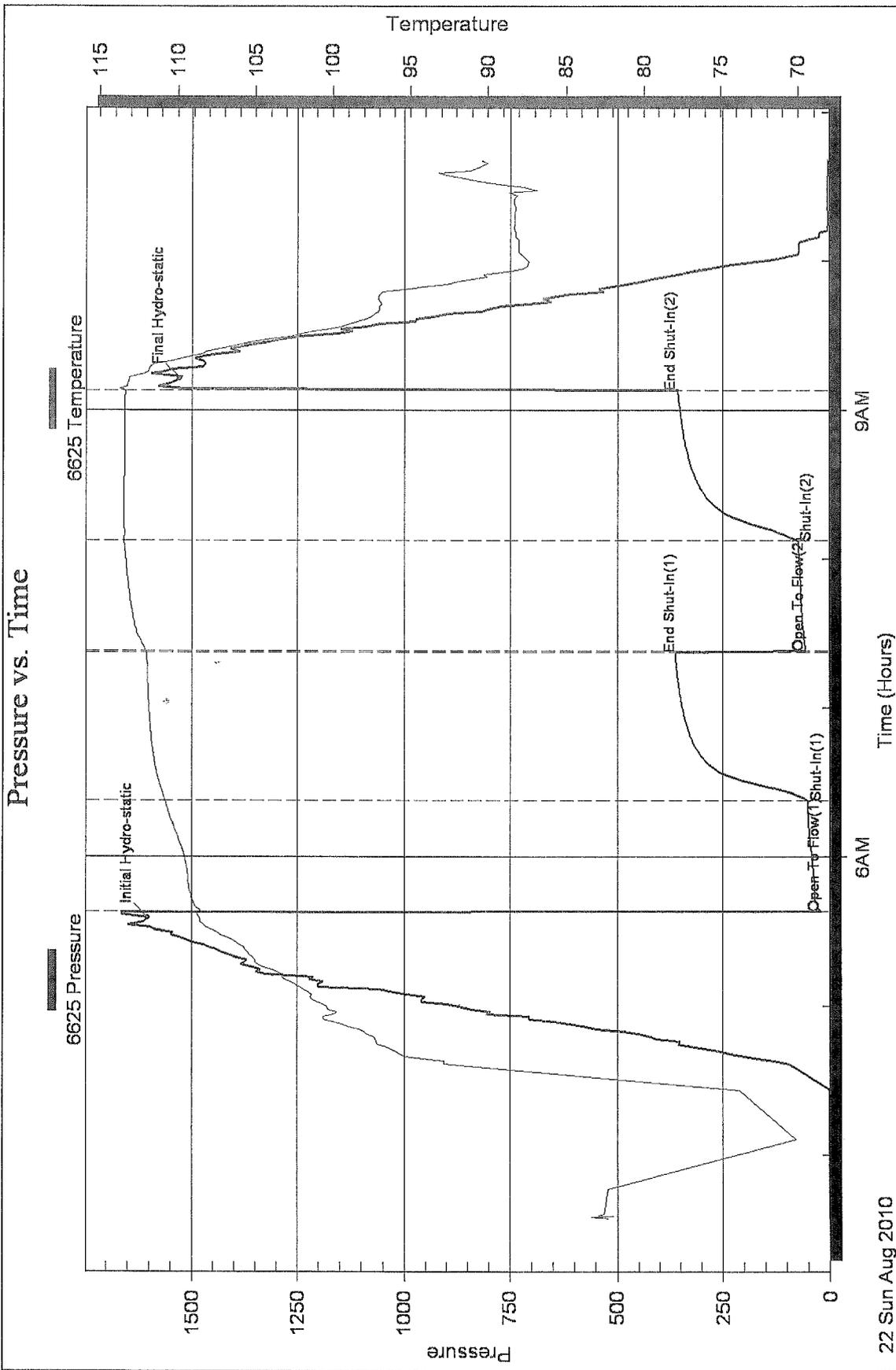
Serial #:

Laboratory Name:

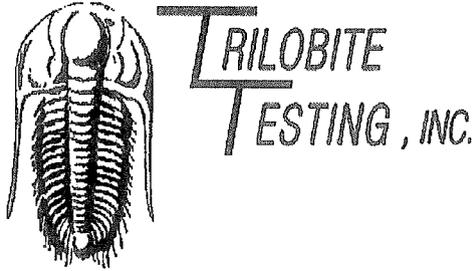
Laboratory Location:

Recovery Comments: RW .12 @ 80F

Pressure vs. Time



22 Sun Aug 2010



DRILL STEM TEST REPORT

Prepared For: **Zinszer Oil Company Inc**

P O Box 211
Hays Ks 67601

ATTN: Perry Henman

3-17s-11w Barton,Ks

Frees/Brumeister #13

Start Date: 2010.08.22 @ 22:20:30

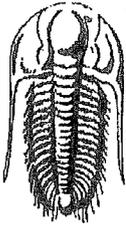
End Date: 2010.08.23 @ 04:42:24

Job Ticket #: 40131 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Zinszer Oil Company Inc

Frees/Brumeister #13

P O Box 211
Hays Ks 67601

3-17s-11w Barton, Ks

Job Ticket: 40131

DST#: 2

ATTN: Perry Henman

Test Start: 2010.08.22 @ 22:20:30

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:45:25

Time Test Ended: 04:42:24

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 42

Interval: **3317.00 ft (KB) To 3337.00 ft (KB) (TVD)**

Reference Elevations: 1915.00 ft (KB)

Total Depth: 3337.00 ft (KB) (TVD)

1907.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press@RunDepth: 1088.73 psig @ 3318.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.08.22

End Date: 2010.08.23

Last Calib.: 2010.08.23

Start Time: 22:20:30

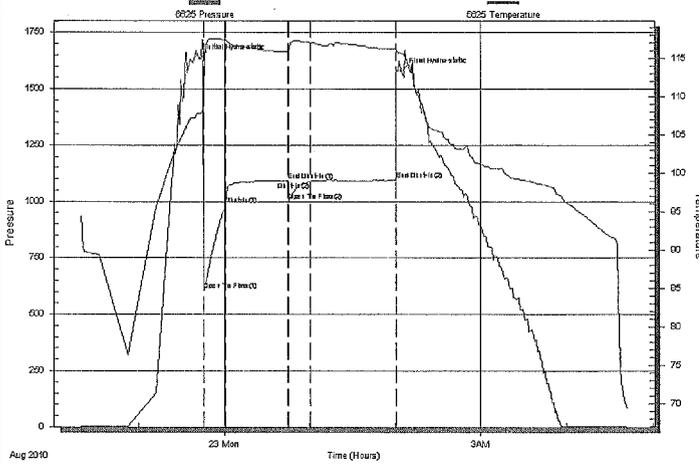
End Time: 04:42:24

Time On Btm: 2010.08.22 @ 23:42:25

Time Off Btm: 2010.08.23 @ 02:04:25

TEST COMMENT: IFF-strg bl thru-out
FFP-strg bl thru-out
ISIP-1"bl bk, FSIP-surface bl bk

Pressure vs. Time



PRESSURE SUMMARY

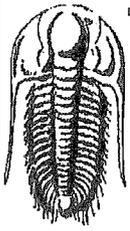
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1635.58	107.72	Initial Hydro-static
3	606.17	110.32	Open To Flow (1)
19	986.47	117.34	Shut-In(1)
63	1093.27	115.82	End Shut-In(1)
63	1001.21	115.80	Open To Flow (2)
79	1088.73	116.99	Shut-In(2)
138	1094.66	116.18	End Shut-In(2)
142	1577.75	115.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1428.00	Water	19.76
372.00	HO&GCW 30%G 20%O 50%W	5.22
310.00	HO&GCMW 25%G 20%O 5%M 50%W	4.35
310.00	GM&WCO 20%G 30%O 30%W 20%M	4.35
144.00	HO&GCM 10%G 40%O 50%M	2.02
0.00	124' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Zinszer Oil Company Inc

Frees/Brumeister #13

P O Box 211
Hays Ks 67601

3-17s-11w Barton, Ks

Job Ticket: 40131

DST#: 2

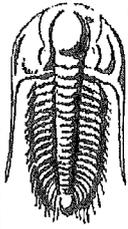
ATTN: Perry Henman

Test Start: 2010.08.22 @ 22:20:30

Tool Information

Drill Pipe:	Length: 3271.00 ft	Diameter: 3.80 inches	Volume: 45.88 bbl	Tool Weight: 2200.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 46.03 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3317.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	41.00 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			3297.00	
Shut In Tool	5.00			3302.00	
Hydraulic tool	5.00			3307.00	
Packer	5.00			3312.00	21.00 Bottom Of Top Packer
Packer	5.00			3317.00	
Stubb	1.00			3318.00	
Recorder	0.00	6625	Inside	3318.00	
Recorder	0.00	8700	Outside	3318.00	
Perforations	16.00			3334.00	
Bullnose	3.00			3337.00	20.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Zinszer Oil Company Inc

Frees/Brumeister #13

P O Box 211
Hays Ks 67601

3-17s-11w Barton, Ks

ATTN: Perry Henman

Job Ticket: 40131

DST#: 2

Test Start: 2010.08.22 @ 22:20:30

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:

22000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.32 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1428.00	Water	19.758
372.00	HO&GCW 30%G 20%O 50%W	5.218
310.00	HO&GCMW 25%G20%O5%M50%W	4.348
310.00	GM&WCO 20%G 30%O 30%W 20%M	4.348
144.00	HO&GCM 10%G 40%O 50%M	2.020
0.00	124' GIP	0.000

Total Length: 2564.00 ft Total Volume: 35.692 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .32 @ 75F

Pressure vs. Time

