

DRILL STEM TEST REPORT

Prepared For: **Crawford Oil Co**

PO Box 1366
El Dorado KS 67042

ATTN: Bob Peterson

32 14 21 Trego KS

Schuster #2-32

Start Date: 2007.07.09 @ 01:05:31

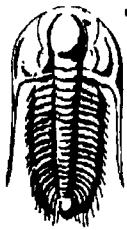
End Date: 2007.07.09 @ 09:00:31

Job Ticket #: 28551 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Crawford Oil Co

PO Box 1366
El Dorado KS 67042

ATTN: Bob Peterson

Schuster #2-32

32 14 21 Trego KS

Job Ticket: 28551

DST#: 1

Test Start: 2007.07.09 @ 01:05:31

GENERAL INFORMATION:

Formation: **Cherokee "B" Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:06:46

Time Test Ended: 09:00:31

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **3898.00 ft (KB) To 3910.00 ft (KB) (TVD)**

Total Depth: 3910.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2054.00 ft (KB)

2049.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8320 Inside

Press@RunDepth: 194.37 psig @ 3899.00 ft (KB)

Start Date: 2007.07.09

End Date:

2007.07.09

Start Time: 01:05:33

End Time:

09:00:31

Capacity: 7000.00 psig

Last Calib.: 2007.07.09

Time On Btm: 2007.07.09 @ 04:06:31

Time Off Btm: 2007.07.09 @ 06:55:16

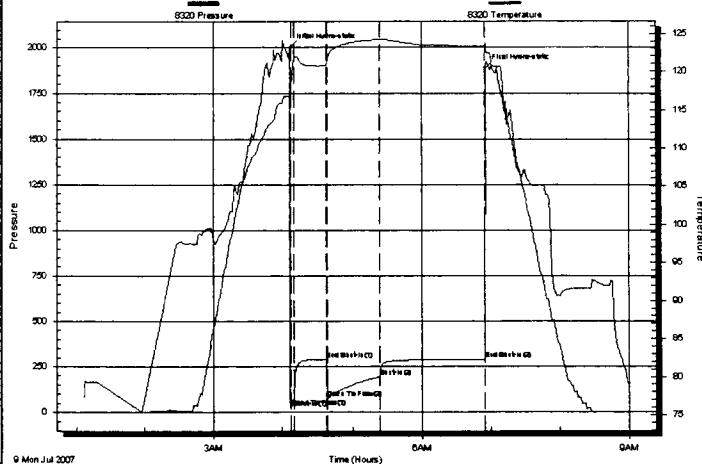
TEST COMMENT: IFP Weak blow built to 4.5 "

ISI No blow back

FFP BOB in 15 min

FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2000.20	116.79	Initial Hydro-static
1	27.62	115.98	Open To Flow (1)
4	68.81	121.61	Shut-In(1)
32	288.89	120.76	End Shut-In(1)
32	76.15	120.73	Open To Flow (2)
77	194.37	124.21	Shut-In(2)
169	289.00	123.25	End Shut-In(2)
169	1886.93	123.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	MW w/ scum of Oil 70%W 30%M	0.20
300.00	MW 95%W 5%M	3.53

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Crawford Oil Co

Schuster #2-32

PO Box 1366
B Dorado KS 67042

32 14 21 Trego KS

Job Ticket: 28551

DST#: 1

ATTN: Bob Peterson

Test Start: 2007.07.09 @ 01:05:31

Tool Information

Drill Pipe:	Length: 3784.00 ft	Diameter: 3.82 inches	Volume: 53.64 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	45000.00 lb
		Total Volume:	54.22 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3898.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	12.00 ft				
Tool Length:	40.00 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			3871.00	
Shut In Tool	5.00			3876.00	
Hydraulic tool	5.00			3881.00	
Jars	5.00			3886.00	
Safety Joint	2.00			3888.00	
Packer	5.00			3893.00	28.00 Bottom Of Top Packer
Packer	5.00			3898.00	
Stubb	1.00			3899.00	
Recorder	0.00	8320	Inside	3899.00	
Perforations	8.00			3907.00	
Recorder	0.00	13401	Inside	3907.00	
Bullnose	3.00			3910.00	12.00 Bottom Packers & Anchor

Total Tool Length: 40.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Crawford Oil Co

Schuster #2-32

PO Box 1366
El Dorado KS 67042

32 14 21 Trego KS

Job Ticket: 28551

DST#: 1

ATTN: Bob Peterson

Test Start: 2007.07.09 @ 01:05:31

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:

28000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	MW w / scum of Oil 70%W 30%M	0.197
300.00	MW 95%W 5%M	3.531

Total Length: 340.00 ft

Total Volume: 3.728 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

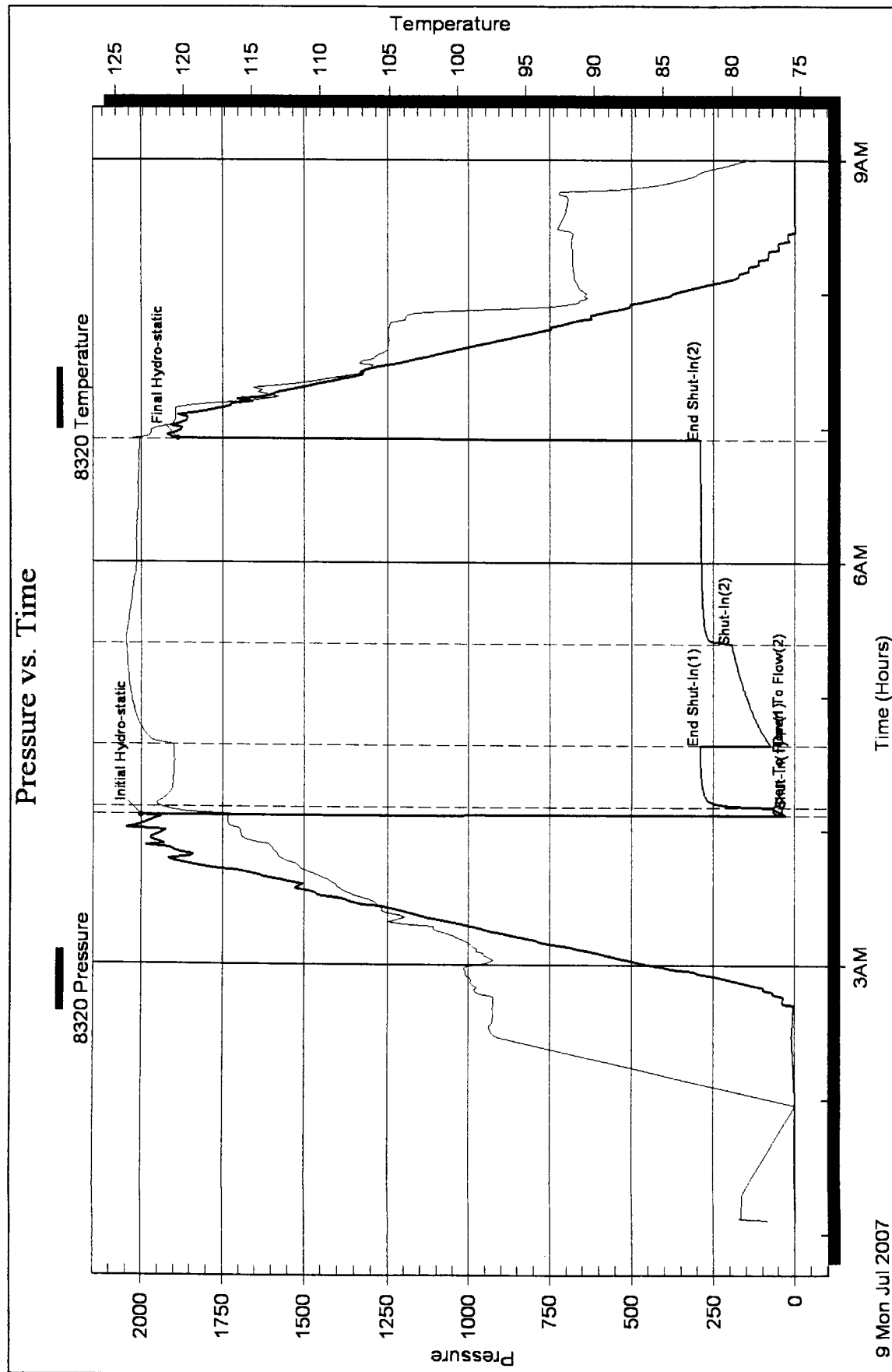
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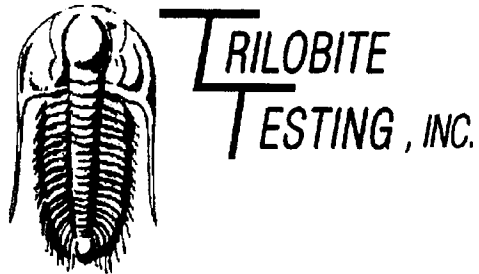
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Crawford Oil Co**

PO Box 1366
El Dorado KS 67042

ATTN: Bob Peterson

32 14 21 Trego KS

Schuster #2-32

Start Date: 2006.02.22 @ 12:19:06

End Date: 2006.02.22 @ 12:21:06

Job Ticket #: 28552 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

Crawford Oil Co

PO Box 1366
El Dorado KS 67042

ATTN: Bob Peterson

Schuster #2-32

32 14 21 Trego KS

Job Ticket: 28552

DST#: 2

Test Start: 2006.02.22 @ 12:19:06

GENERAL INFORMATION:

Formation: **Cherokee "E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:07:00

Time Test Ended: 12:21:06

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **3929.00 ft (KB) To 3935.00 ft (KB) (TVD)**

Total Depth: 3935.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2054.00 ft (KB)

2049.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8167

Press@RunDepth: psig @ ft (KB)

Start Date: 2006.02.22

End Date:

2006.02.22

Start Time: 12:19:07

End Time:

12:21:06

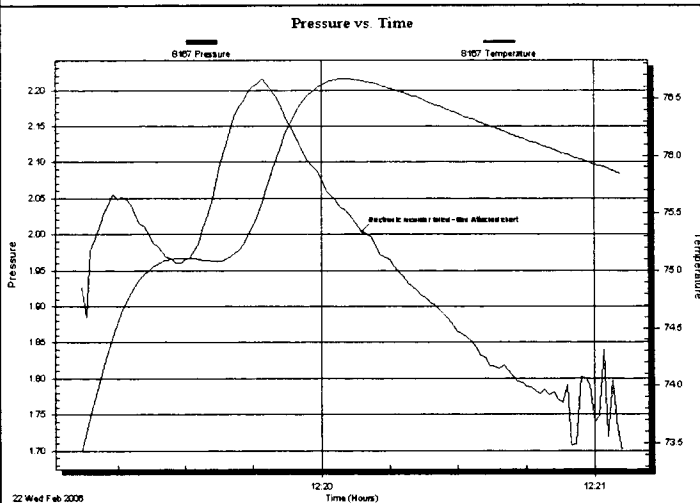
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP BOB in 3.5 min
ISI Weak surface blow back built to 2.5 " died to 1/2 "
FFP BOB in 3.5 min
FSI Weak blow back built to 7 "



PRESSURE SUMMARY

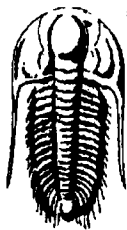
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2.00	76.65	Electronic recorder failed - See

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OWM 20%O 30%W 50%M	0.30
120.00	WOCM 20%O 20%W 60%M	1.16
360.00	CO	5.10
170.00	GCO 20%G 80%O	2.41
0.00	370' GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Crawford Oil Co

Schuster #2-32

PO Box 1366
B Dorado KS 67042

32 14 21 Trego KS

Job Ticket: 28552

DST#: 2

ATTN: Bob Peterson

Test Start: 2006.02.22 @ 12:19:06

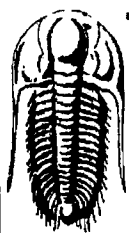
Tool Information

Drill Pipe:	Length: 3815.00 ft	Diameter: 3.82 inches	Volume: 54.08 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	45000.00 lb
		Total Volume:	54.66 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	41000.00 lb
Depth to Top Packer:	3929.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	6.00 ft				
Tool Length:	34.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:
Electronic Recorder Failed - See attached Chart

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3902.00	
Shut In Tool	5.00			3907.00	
Hydraulic tool	5.00			3912.00	
Jars	5.00			3917.00	
Safety Joint	2.00			3919.00	
Packer	5.00			3924.00	28.00 Bottom Of Top Packer
Packer	5.00			3929.00	
Stubb	1.00			3930.00	
Recorder	0.00	8320	Inside	3930.00	
Perforations	2.00			3932.00	
Recorder	0.00	13401	Inside	3932.00	
Bullnose	3.00			3935.00	6.00 Bottom Packers & Anchor

Total Tool Length: 34.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Crawford Oil Co

Schuster #2-32

PO Box 1366
El Dorado KS 67042

32 14 21 Trego KS

Job Ticket: 28552

DST#: 2

ATTN: Bob Peterson

Test Start: 2006.02.22 @ 12:19:06

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OWM 20%O 30%W 50%M	0.295
120.00	WOCM 20%O 20%W 60%M	1.164
360.00	CO	5.103
170.00	GCO 20%G 80%O	2.410
0.00	370' GIP	0.000

Total Length: 710.00 ft

Total Volume: 8.972 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

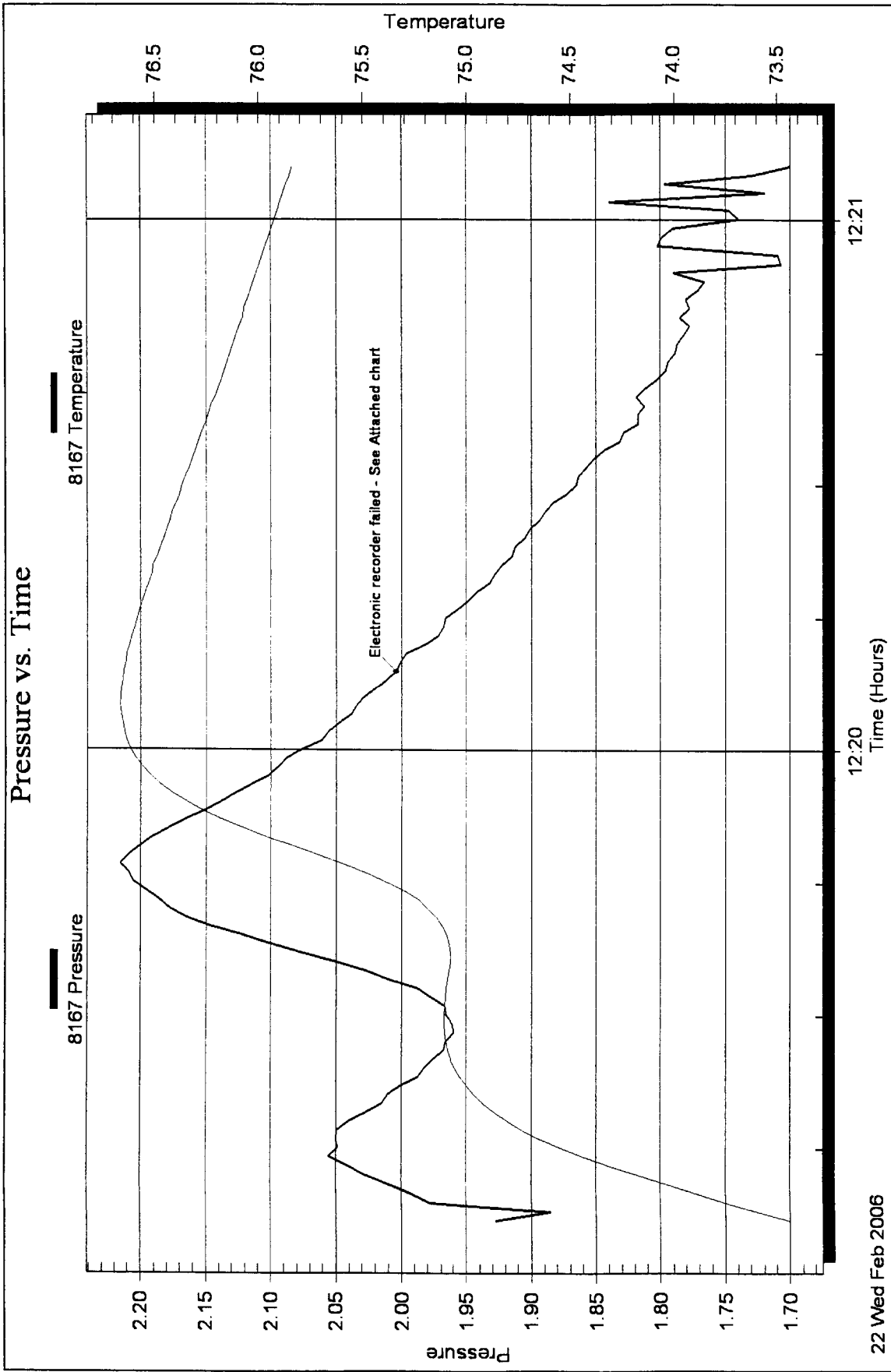
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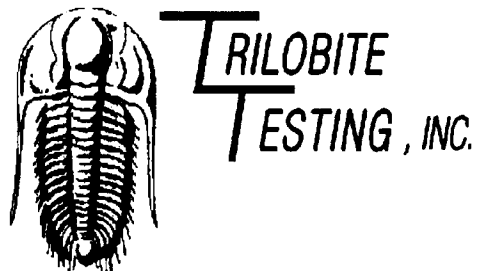
Crawford Oil Co

32 14 21 Trego KS

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Crawford Oil Co**

PO Box 1366
El Dorado KS 67042

ATTN: Bob Peterson

32 14 21 Trego KS

Schuster #2-32

Start Date: 2007.07.20 @ 02:54:27

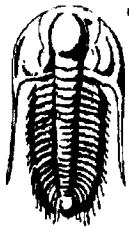
End Date: 2007.07.20 @ 07:29:42

Job Ticket #: 28782 DST #: 3

Trilobite Testing, Inc

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Crawford Oil Co

Schuster #2-32

PO Box 1366
El Dorado KS 67042

32 14 21 Trego KS

ATTN: Bob Peterson

Job Ticket: 28782

DST#: 3

Test Start: 2007.07.20 @ 02:54:27

GENERAL INFORMATION:

Formation: **Kutina**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:00:12

Time Test Ended: 07:29:42

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **4053.00 ft (KB) To 4075.00 ft (KB) (TVD)**

Reference Elevations: 2054.00 ft (KB)

Total Depth: 4075.00 ft (KB) (TVD)

2049.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6741 Inside

Press@RunDepth: psig @ 4054.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2007.07.20

End Date:

2007.07.20

Last Calib.:

2007.07.20

Start Time: 02:54:29

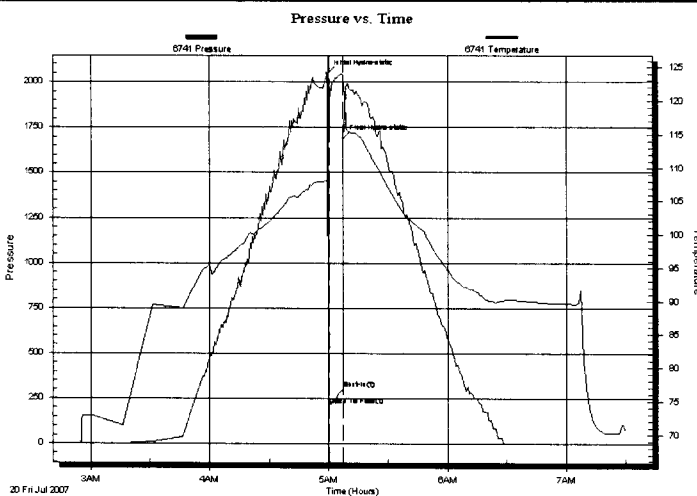
End Time:

07:29:42

Time On Btm: 2007.07.20 @ 04:59:12

Time Off Btm: 2007.07.20 @ 05:07:12

TEST COMMENT: IF Strong B-B in 30 sec



PRESSURE SUMMARY

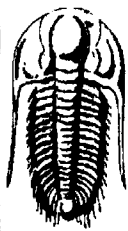
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2044.40	108.14	Initial Hydro-static
1	214.00	118.60	Open To Flow (1)
8	302.71	123.86	Shut-In (1)
8	1689.30	123.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	Sand	0.30
314.00	Wtr	3.90
124.00	DM	1.74

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Crawford Oil Co

Schuster #2-32

PO Box 1366
El Dorado KS 67042

32 14 21 Trego KS

ATTN: Bob Peterson

Job Ticket: 28782

DST#: 3

Test Start: 2007.07.20 @ 02:54:27

Tool Information

Drill Pipe:	Length: 3939.00 ft	Diameter: 3.80 inches	Volume: 55.25 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	90000.00 lb
		Total Volume:	55.83 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	4053.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	22.00 ft				
Tool Length:	51.00 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			4025.00	
Shut In Tool	5.00			4030.00	
Hydraulic tool	5.00			4035.00	
Jars	5.00			4040.00	
Safety Joint	3.00			4043.00	
Packer	5.00			4048.00	29.00 Bottom Of Top Packer
Packer	5.00			4053.00	
Stubb	1.00			4054.00	
Recorder	0.00	6741	Inside	4054.00	
Perforations	18.00			4072.00	
Recorder	0.00	13254	Outside	4072.00	
Bullnose	3.00			4075.00	22.00 Bottom Packers & Anchor

Total Tool Length: 51.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Crawford Oil Co

Schuster #2-32

PO Box 1366
B Dorado KS 67042

32 14 21 Trego KS

Job Ticket: 28782

DST#: 3

ATTN: Bob Peterson

Test Start: 2007.07.20 @ 02:54:27

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:

20000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	Sand	0.305
314.00	Wtr	3.904
124.00	DM	1.739

Total Length: 500.00 ft

Total Volume: 5.948 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

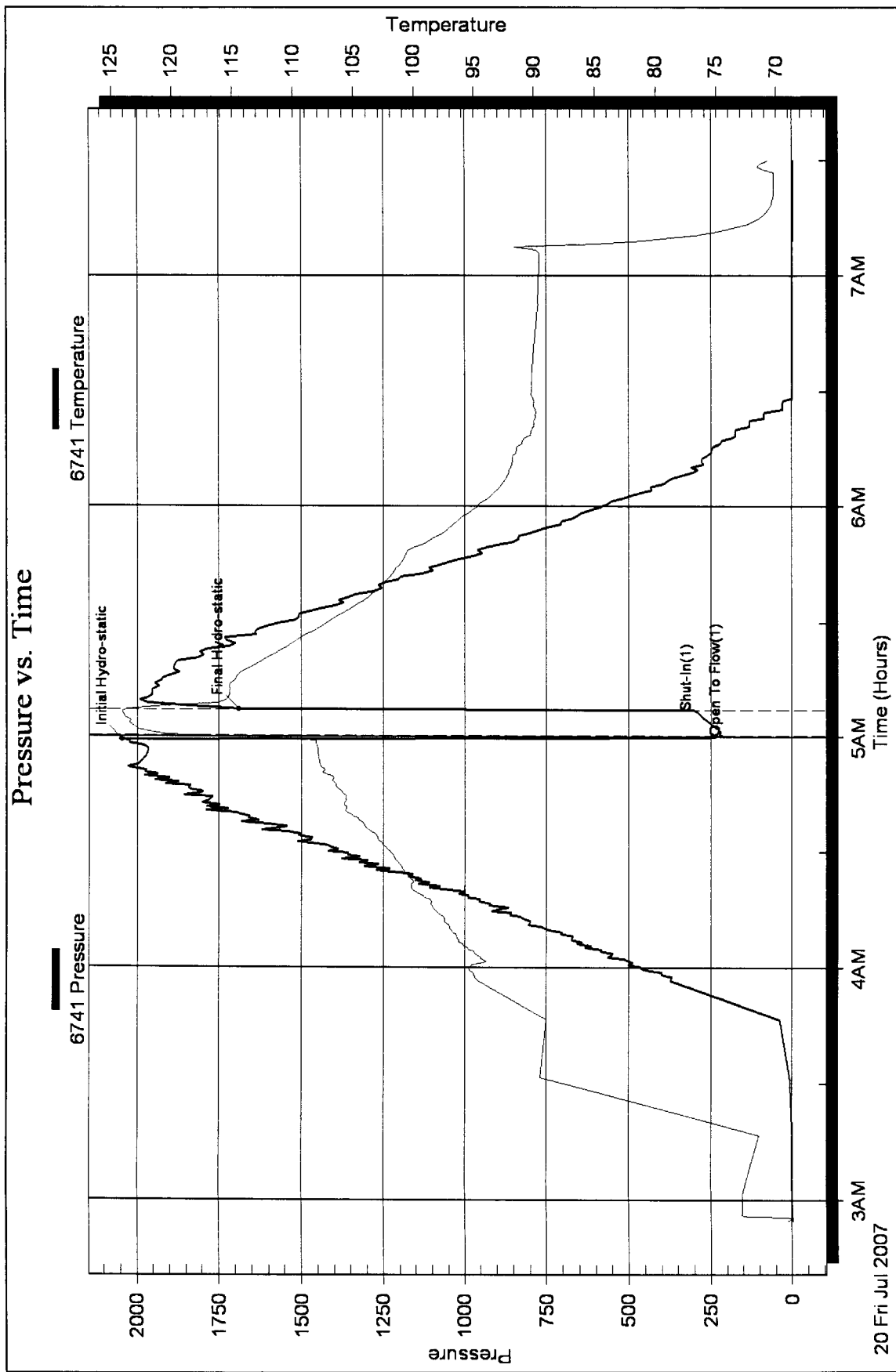
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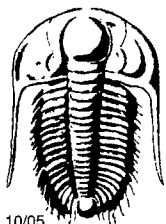
Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .28 @ 80 = 20000ppm

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28780

10412

Test Ticket

Well Name & No. Schuster #2 Test No. 1 Date 7-19-07
 Company Crawford Oil Co. Zone Tested Cher 'B'
 Address Box 1366 El Dorado, Ks. 67042 Elevation 2182 KB 2177 GL
 Co. Rep / Geo. Bob Petersen Rig WU #6
 Location: Sec. 5 Twp. 14 Rge. 21 Co. Trego State Ks
 Comment: _____ Release date / time: _____

Interval Tested 4029 ————— 4045 Initial Str Wt./Lbs. 40000 Unseated Str Wt./Lbs. 43000
 Anchor Length 16 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 50000
 Top Packer Depth 4024 Tool Weight 2000
 Bottom Packer Depth 4029 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4045 Wt. Pipe Run _____ Drill Collar Run 117
 Mud Wt. 9.2 LCM _____ Vis. 47 WL 8.4 Drill Pipe Size 4.5 FH Ft. Run 3910
 Blow Description F.F. Strong B-B in 2 min 15 sec.
151 - Weak steady surface blow
F.F. Strong - B-B in 3 min.

Recovery - Total Feet 86.5 GIP _____ Ft. in DC 117 Ft. in DP 748
 Rec. 86.5 Feet of Wtr %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 12.3 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .20 @ 80 °F Chlorides 30000 ppm Recovery _____ Chlorides 4300 ppm System

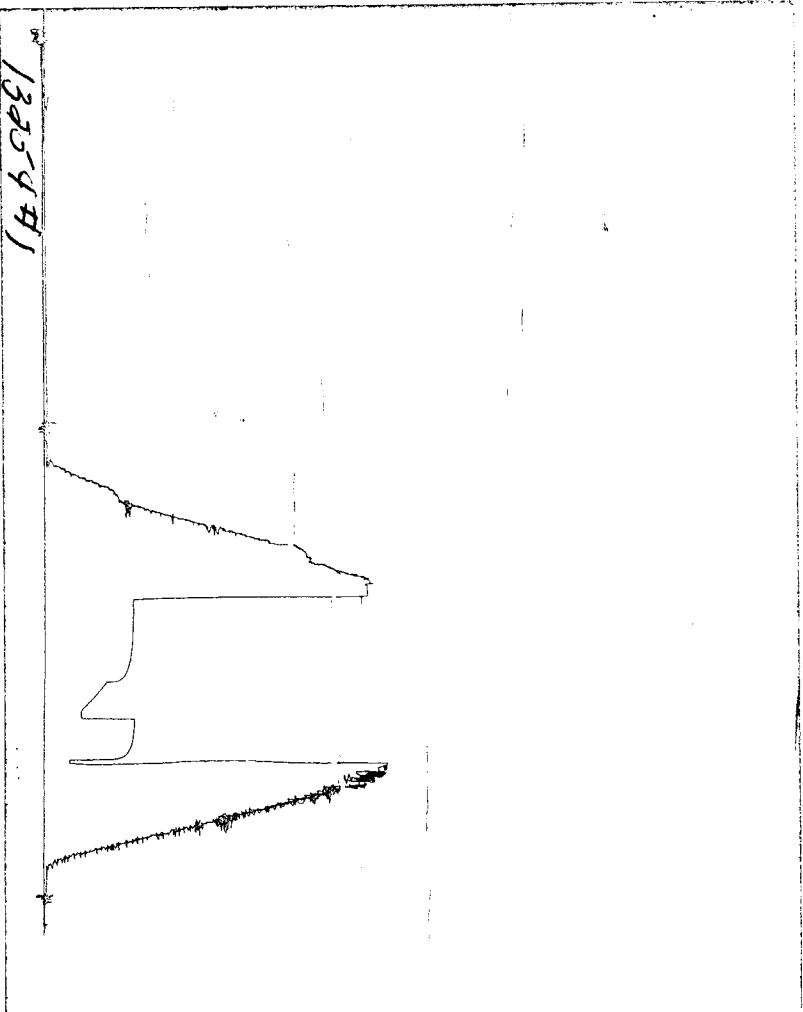
	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2023</u> PSI		Recorder No.	<u>6741</u>	Test <u>1200</u>
(B) First Initial Flow Pressure	<u>73</u> PSI		(depth)	<u>4030</u>	Jars <u>X</u> <u>250</u>
(C) First Final Flow Pressure	<u>136</u> PSI		Recorder No.	<u>13254</u>	Safety Jt. <u>X</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>537</u> PSI		(depth)	<u>4042</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>149</u> PSI		Recorder No.		Sampler _____
(F) Second Final Flow Pressure	<u>390</u> PSI		(depth)		Straddle _____
(G) Final Shut-In Pressure	<u>531</u> PSI		Initial Opening	<u>3</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1964</u> PSI		Initial Shut-In	<u>30</u>	Shale Packer _____
			Final Flow	<u>30</u>	Ruined Packer _____
			Final Shut-In	<u>60</u>	Mileage <u>94 RT</u> <u>112.50</u>
			T-On Location	<u>24:00</u>	Sub Total: _____
			T-Started	<u>00:27</u>	Std. By _____
			T-Open	<u>02:34</u>	Acc. Chg: _____
			T-Pulled	<u>04:34</u>	Other: _____
			T-Out	<u>06:52</u>	Total: <u>\$1642.50</u>

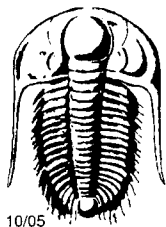
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Approved By [Signature]
 Our Representative [Signature]

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28781

Test Ticket

Well Name & No. <u>Schuster #2</u>	Test No. <u>1</u>	Date <u>7-18-07</u>
Company <u>Crawford Oil Co.</u>	Zone Tested <u>Katina</u>	
Address _____	Elevation <u>2182</u> KB <u>2177</u> GL	
Co. Rep / Geo. <u>Bob Petersen</u>	Rig <u>WW #6</u>	
Location: Sec. <u>5</u> Twp. <u>14</u> Rge. <u>21</u> Co. <u>Trego</u> State <u>KS</u>		
Comment: _____	Release date / time: _____	

Interval Tested 4061 ————— 4075 Initial Str Wt./Lbs. 40,000 Unseated Str Wt./Lbs. 41,000
 Anchor Length 14 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 20,000
 Top Packer Depth 4056 Tool Weight 2000
 Bottom Packer Depth 4061 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4075 Wt. Pipe Run _____ Drill Collar Run 117
 Mud Wt. 9.4 LCM 1# Vis. 54 WL 8.8 Drill Pipe Size 4 1/2 FH Ft. Run 3941
 Blow Description I.F. Packers held for 1 min. Packer failure

Recovery - Total Feet 315 GIP _____ Ft. in DC 117 Ft. in DP 198
 Rec. 315 Feet of D.M. %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 1dc °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4900 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2069	PSI	Recorder No.	6741	Test	Mispor	1000
(B) First Initial Flow Pressure				PSI	(depth)	4062	Jars	X	250
(C) First Final Flow Pressure				PSI	Recorder No.	13254	Safety Jt.	X	75
(D) Initial Shut-In Pressure				PSI	(depth)	4072	Circ Sub		
(E) Second Initial Flow Pressure				PSI	Recorder No.		Sampler		
(F) Second Final Flow Pressure				PSI	(depth)		Straddle		
(G) Final Shut-In Pressure				PSI	Initial Opening	1	Ext. Packer		
(Q) Final Hydrostatic Mud			1973	PSI	Initial Shut-In	-	Shale Packer		

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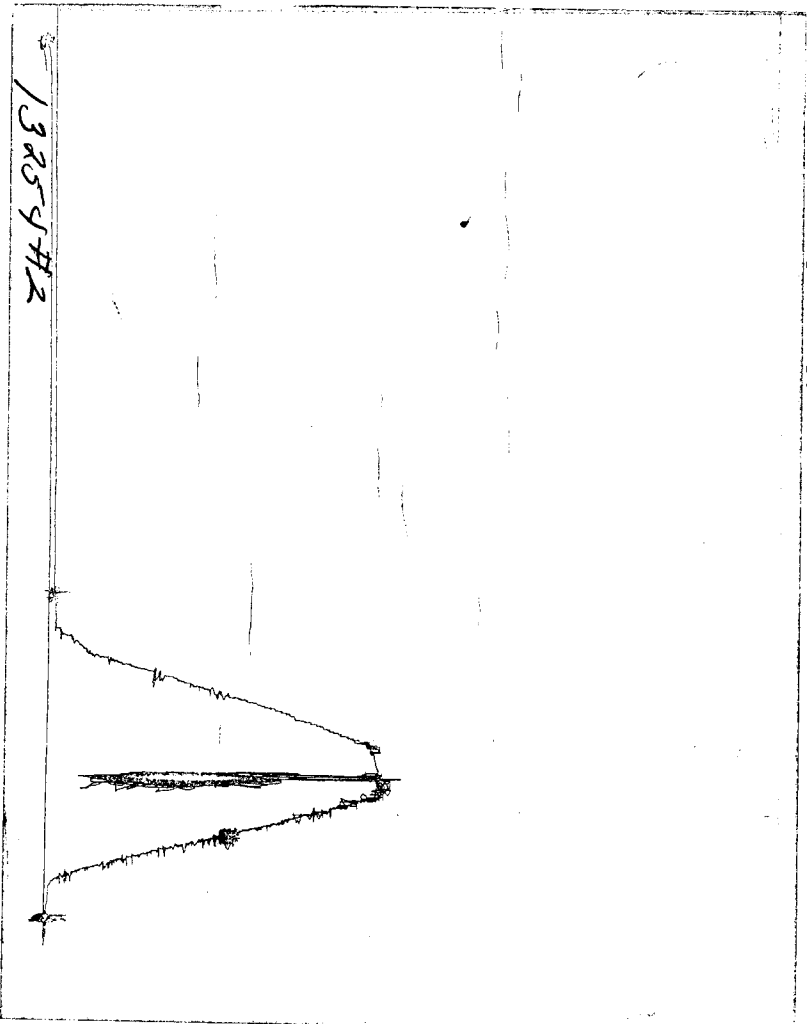
Approved By [Signature]

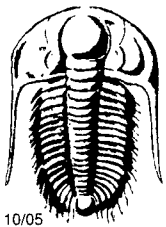
Our Representative [Signature]

Final Flow _____
 Final Shut-In _____
 T-On Location 17:00
 T-Started 17:44
 T-Open 19:50
 T-Pulled 19:52
 T-Out 22:12
 Ruined Packer _____
 Mileage 94 RT 117.50
 Sub Total: _____
 Std. By _____
 Acc. Chg: _____
 Other: 8/1442.50
 Total: _____

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28782

Test Ticket

Well Name & No.	Schuster #2	Test No.	3	Date	7-20-07
Company	Crawford Oil Co.	Zone Tested	Karina		
Address		Elevation	2182	KB	2177
Co. Rep / Geo.	Bob Petersen	Rig	WW #6		
Location: Sec.	5	Twp.	14	Rge.	21
		Co.	Trigo	State	KS
Comment:		Release date / time:			

Interval Tested 4053 — 4075 Initial Str Wt./Lbs. 4000 Unseated Str Wt./Lbs. 4400
 Anchor Length 22 Wt. Set Lbs. 2000 Wt. Pulled Loose/Lbs. 9000
 Top Packer Depth 4048 Tool Weight 2000
 Bottom Packer Depth 4053 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4075 Wt. Pipe Run 117 Drill Collar Run 117
 Mud Wt. 9.4 LCM 1# Vis. 54 WL 8.8 Drill Pipe Size 4.5FH Ft. Run 39.39
 Blow Description I.F. Strong B-B in 30 sec

Recovery - Total Feet 500 GIP 117 Ft. in DC 117 Ft. in DP 383
 Rec. 124 Feet of D.M. %gas %oil %water %mud
 Rec. 314 Feet of WTR %gas %oil %water %mud
 Rec. 62 Feet of Sand %gas %oil %water %mud
 Rec. Feet of %gas %oil %water %mud
 Rec. Feet of %gas %oil %water %mud
 BHT 1.38 °F Gravity °API D @ °F Corrected Gravity °API
 RW 1.28 @ 80 °F Chlorides 2000 ppm Recovery Chlorides 4900 ppm System

AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>2044</u> PSI	Recorder No.	<u>6741</u>
(B) First Initial Flow Pressure	<u>214</u> PSI	(depth)	<u>4054</u>
(C) First Final Flow Pressure	<u>302</u> PSI	Recorder No.	<u>13254</u>
(D) Initial Shut-In Pressure	<u> </u> PSI	(depth)	<u>4072</u>
(E) Second Initial Flow Pressure	<u> </u> PSI	Recorder No.	<u> </u>
(F) Second Final Flow Pressure	<u> </u> PSI	(depth)	<u> </u>
(G) Final Shut-In Pressure	<u> </u> PSI	Initial Opening	<u>7</u>
(Q) Final Hydrostatic Mud	<u>1967</u> PSI	Initial Shut-In	<u> </u>
		Final Flow	<u> </u>
		Final Shut-In	<u> </u>

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Approved By RJ Peters

Our Representative Dan Bangle

T-On Location

T-Started 01:00
 T-Open 02:54
 T-Pulled 05:00
 T-Out 07:29

Test 1200
 Jars X 250
 Safety Jt. X 75
 Circ Sub
 Sampler
 Straddle
 Ext. Packer
 Shale Packer X 250
 Ruined Packer
 Mileage 94 RT 117.50
 Sub Total:
 Std. By
 Acc. Chg:
 Other:
 Total: \$1892.50

CHART PAGE

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

