

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Cheifton Oil,Company.inc.**

625 S. 10th
Kiowa, Ks. 67070

ATTN: Arden Ratzlaff

27-32S-10W

Jo #1

Start Date: 2004.05.06 @ 00:51:42

End Date: 2004.05.06 @ 10:53:42

Job Ticket #: 19018 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

Cheifton Oil, Company, inc.

Jo #1

625 S.10th
Kiowa, Ks. 67070

27-32S-10W

ATTN: Arden Ratzlaff

Job Ticket: 19018

DST#: 1

Test Start: 2004.05.06 @ 00:51:42

GENERAL INFORMATION:

Formation: **Swope**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:46:42

Time Test Ended: 10:53:42

Test Type: Conventional Bottom Hole

Tester: Darren L. Amerine

Unit No: 19

Interval: **4090.00 ft (KB) To 4128.00 ft (KB) (TVD)**

Total Depth: 4128.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1439.00 ft (KB)

1426.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: **6625**

Inside

Press@RunDepth: 153.94 psig @ 4096.00 ft (KB)

Start Date: 2004.05.06

End Date:

2004.05.06

Start Time: 00:51:45

End Time:

10:53:42

Capacity: 7000.00 psig

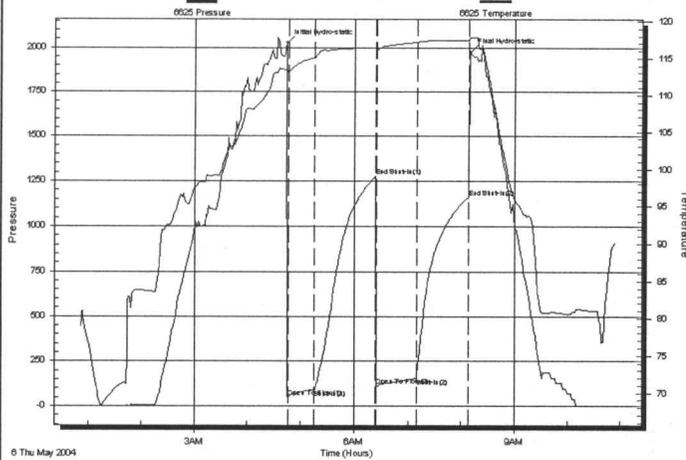
Last Calib.: 2004.05.06

Time On Btm: 2004.05.06 @ 04:44:42

Time Off Btm: 2004.05.06 @ 08:10:27

TEST COMMENT: If: Strong blow b.o.b in 60 sec.
IS: Bled down n for 5 mins. no blow back.
FF: Strong blow b.o.b in 90 sec.
FS: Bled down n for 10 mins.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2025.80	113.62	Initial Hydro-static
2	50.38	113.30	Open To Flow (1)
31	91.96	115.10	Shut-In(1)
99	1274.86	116.45	End Shut-In(1)
100	111.01	116.06	Open To Flow (2)
145	153.94	117.16	Shut-In(2)
204	1159.60	117.48	End Shut-In(2)
206	1975.02	117.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3737' of gip	0.00
132.00	G&MCW 10% gas 80% water 10% mud	1.85
120.00	HO&GCMW 40% gas 30% oil 10% water	201.68
105.00	HGCM 20% gas trace of oil 80% mud	1.47

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cheifton Oil, Company, inc.

Jo #1

625 S.10th
Kiowa, Ks. 67070

27-32S-10W

Job Ticket: 19018

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2004.05.06 @ 00:51:42

Tool Information

Drill Pipe:	Length: 4094.00 ft	Diameter: 3.80 inches	Volume: 57.43 bbl	Tool Weight: 2100.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 57.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4090.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	62.00 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			4067.00	
Shut In Tool	5.00			4072.00	
Hydraulic tool	5.00			4077.00	
Safety Joint	3.00			4080.00	
Packer	5.00			4085.00	24.00 Bottom Of Top Packer
Packer	5.00			4090.00	
Stubb	1.00			4091.00	
Anchor	5.00			4096.00	
Recorder	0.00	6625	Inside	4096.00	
Anchor	29.00			4125.00	
Recorder	0.00	13769	Outside	4125.00	
Bullnose	3.00			4128.00	38.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Cheifton Oil, Company, inc.

Jo #1

625 S.10th
Kiowa, Ks. 67070

27-32S-10W

Job Ticket: 19018

DST#: 1

ATTN: Arden Ratzlaff

Test Start: 2004.05.06 @ 00:51:42

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: 145000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.97 in³

Gas Cushion Type:

Resistivity: 1.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3737' of gip	0.000
132.00	G&MCW 10%gas 80%water 10%mud	1.852
120.00	HO&GCMW40%gas 30%oil 10%water 20%m	1.683
105.00	HGCM 20%gas trace of oil 80%mud	1.473

Total Length: 357.00 ft Total Volume: 5.008 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

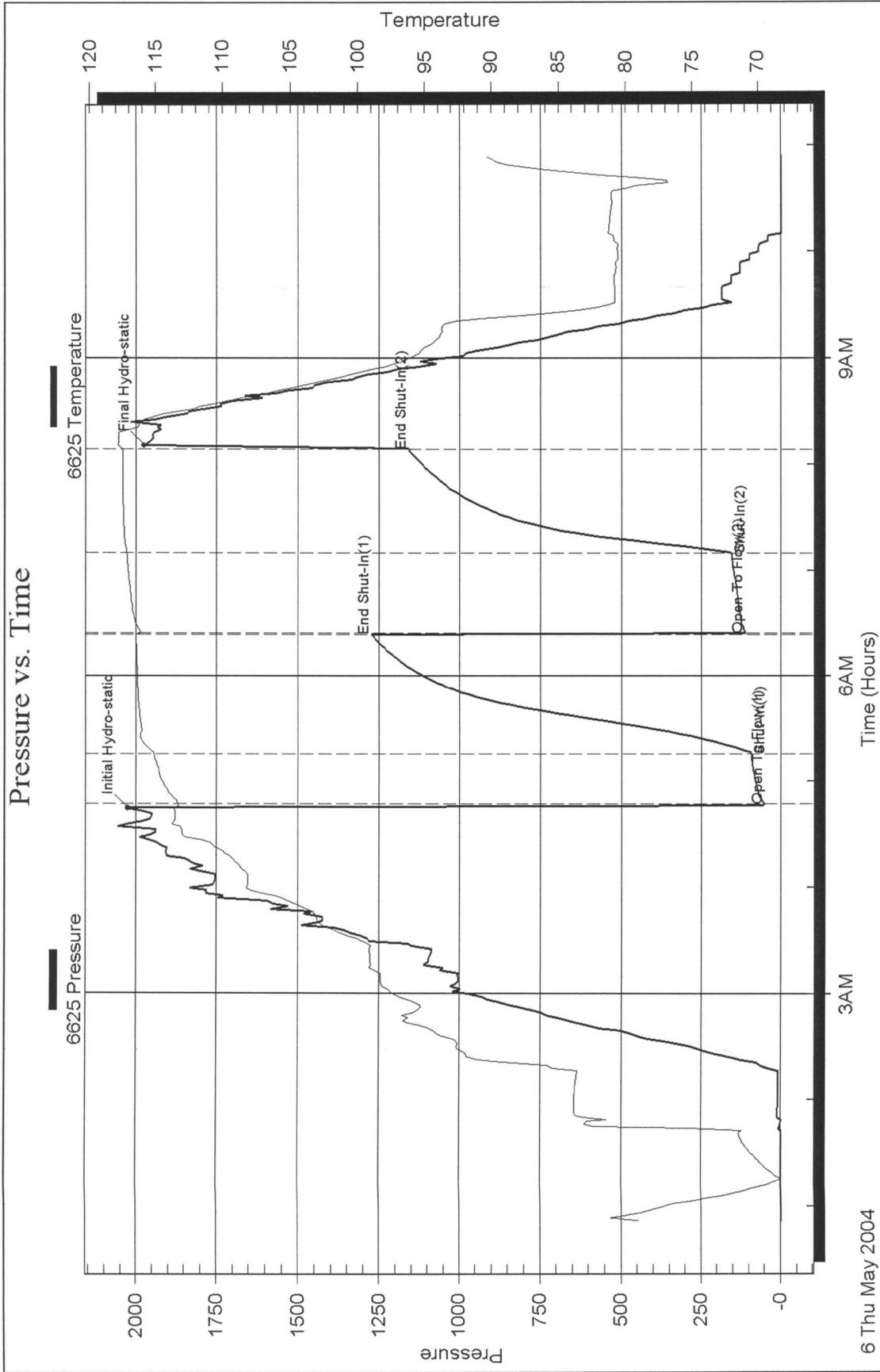
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .06@81'=145000

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Cheifton Oil,Company.inc.**

625 S.10th
Kiowa,Ks.67070

ATTN: Arden Ratzlaff

27-32S-10W

Jo #1

Start Date: 2004.05.08 @ 00:37:33

End Date: 2004.05.08 @ 12:41:18

Job Ticket #: 19019 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

Cheifton Oil, Company inc.

Jo #1

625 S.10th
Kiowa, Ks. 67070

27-32S-10W

ATTN: Arden Ratzlaff

Job Ticket: 19019

DST#: 2

Test Start: 2004.05.08 @ 00:37:33

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:17:18

Time Test Ended: 12:41:18

Test Type: Conventional Bottom Hole

Tester: Darren L. Amerine

Unit No: 19

Interval: **4371.00 ft (KB) To 4435.00 ft (KB) (TVD)**

Reference Elevations: 1439.00 ft (KB)

Total Depth: 4435.00 ft (KB) (TVD)

1426.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: **6625**

Inside

Press@RunDepth: 333.80 psig @ 4377.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2004.05.08

End Date: 2004.05.08

Last Calib.: 2004.05.08

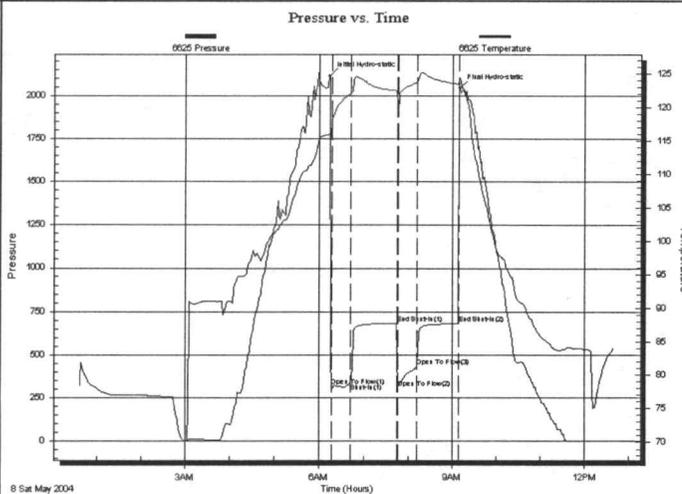
Start Time: 00:37:36

End Time: 12:41:18

Time On Btm: 2004.05.08 @ 06:13:48

Time Off Btm: 2004.05.08 @ 09:09:33

TEST COMMENT: IF: Strong blow b.o.b in 40 GTS in 3 mins. gauge gas.
IS: Bled down for 30 mins. built back to 5" in H2O bucket.
FF: Strong blow b.o.b in 30 sec. gauge gas.
FS: Bled down for 30 mins. built back to b.o.b



PRESSURE SUMMARY

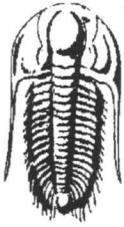
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2114.24	115.99	Initial Hydro-static
4	313.75	118.18	Open To Flow (1)
29	333.80	122.20	Shut-In(1)
91	683.20	122.48	End Shut-In(1)
92	306.25	118.87	Open To Flow (2)
118	433.56	123.72	Open To Flow (3)
175	681.52	123.46	End Shut-In(2)
176	2043.44	124.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3397' of gip	0.00
90.00	SOCGW 20% gas 5% oil 70% water 5% mu	1.26
254.00	HG&MCO 30% gas 60% oil 10% mud	3.56
450.00	HG&OCM 40% gas 30% oil 30% mud	6.31
186.00	G&OCM 20% gas 30% oil 50% mud	2.61

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	45.00	927.82
Last Gas Rate		0.00	
Max. Gas Rate	0.75	45.00	927.82



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cheifton Oil,Company.inc.

Jo #1

625 S.10th
Kiowa,Ks.67070

27-32S-10W

Job Ticket: 19019

DST#: 2

ATTN: Arden Ratzlaff

Test Start: 2004.05.08 @ 00:37:33

Tool Information

Drill Pipe:	Length: 4377.00 ft	Diameter: 3.80 inches	Volume: 61.40 bbl	Tool Weight: 2100.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 61.40 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4371.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4348.00	
Shut In Tool	5.00			4353.00	
Hydraulic tool	5.00			4358.00	
Safety Joint	3.00			4361.00	
Packer	5.00			4366.00	24.00 Bottom Of Top Packer
Packer	5.00			4371.00	
Stubb	1.00			4372.00	
Anchor	5.00			4377.00	
Recorder	0.00	6625	Inside	4377.00	
Anchor	23.00			4400.00	
Recorder	0.00	10991		4400.00	
Blank Spacing	32.00			4432.00	
Bullnose	3.00			4435.00	64.00 Bottom Packers & Anchor

Total Tool Length: 88.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Cheifton Oil, Company, inc.

Jo #1

625 S.10th
Kiowa, Ks. 67070

27-32S-10W

Job Ticket: 19019

DST#: 2

ATTN: Arden Ratzlaff

Test Start: 2004.05.08 @ 00:37:33

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: 180000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.98 in³

Gas Cushion Type:

Resistivity: 0.80 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8500.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3397' of gip	0.000
90.00	SOCGW 20%gas 5%oil 70%water 5%mud	1.262
254.00	HG&MCO 30%gas 60%oil 10%mud	3.563
450.00	HG&OCM 40%gas 30%oil 30%mud	6.312
186.00	G&OCM 20%gas 30%oil 50%mud	2.609

Total Length: 980.00 ft Total Volume: 13.746 bbl

Num Fluid Samples: 1

Num Gas Bombs: 0

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: .04@84'degrees=180000



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DRILL STEM TEST REPORT

GAS RATES

Cheifton Oil, Company, inc.

Jo #1

625 S.10th
Kiowa, Ks. 67070

27-32S-10W

Job Ticket: 19019

DST#: 2

ATTN: Arden Ratzlaff

Test Start: 2004.05.08 @ 00:37:33

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	13	0.75	45.00	927.82
1	23	0.75	39.00	834.10
1	30	0.75	31.00	709.14
2	10	0.75	24.00	599.80
2	20	0.75	25.00	615.42
2	30	0.75	21.50	560.75
0	0	-999999.00	0.00	-999999.00

Serial #: 6625

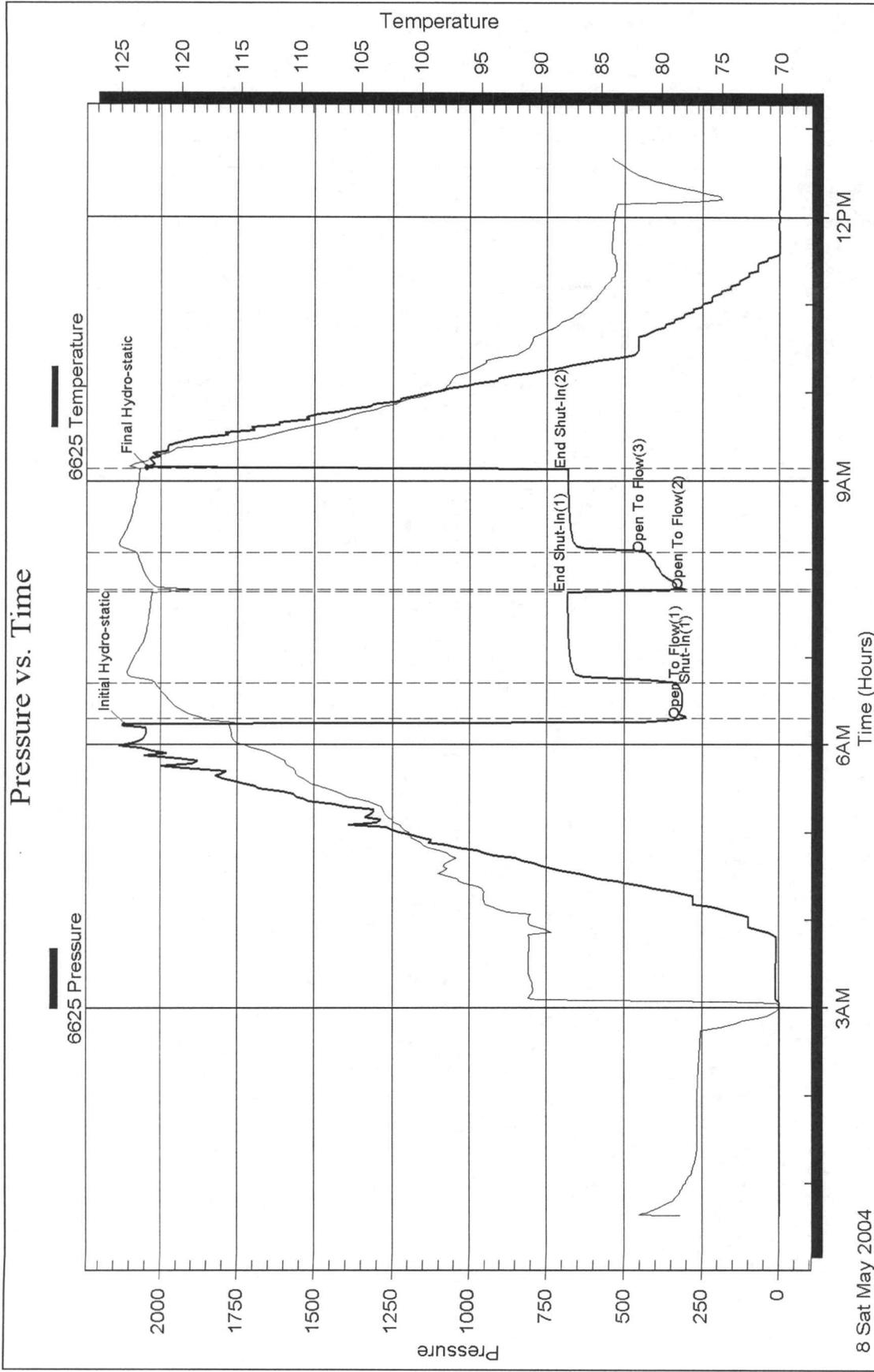
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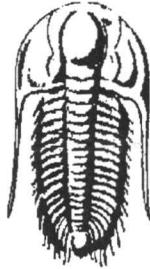
Cheifton Oil, Company, inc.

27-32S-10W

DST Test Number: 2

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Cheifton Oil,Company.inc.**

625 S.10th
Kiowa,Ks.67070

ATTN: Arden Ratzlaff

27-32S-10W

Jo #1

Start Date: 2004.05.10 @ 04:39:34

End Date: 2004.05.10 @ 12:28:49

Job Ticket #: 19020 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Cheifton Oil,Company.inc.

Jo #1

27-32S-10W

DST # 3

Viola

2004.05.10



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cheifton Oil, Company, inc.

Jo #1

625 S.10th
Kiowa, Ks. 67070

27-32S-10W

Job Ticket: 19020

DST#: 3

ATTN: Arden Ratzlaff

Test Start: 2004.05.10 @ 04:39:34

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:05:24

Time Test Ended: 12:28:49

Test Type: Conventional Bottom Hole

Tester: Darren L. Amerine

Unit No: 19

Interval: 4677.00 ft (KB) To 4705.00 ft (KB) (TVD)

Total Depth: 4705.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1439.00 ft (KB)

1426.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6625

Inside

Press@RunDepth: 18.68 psig @ 4681.00 ft (KB)

Start Date: 2004.05.10

End Date:

2004.05.10

Capacity: 7000.00 psig

Last Calib.: 2004.05.10

Start Time: 04:39:37

End Time:

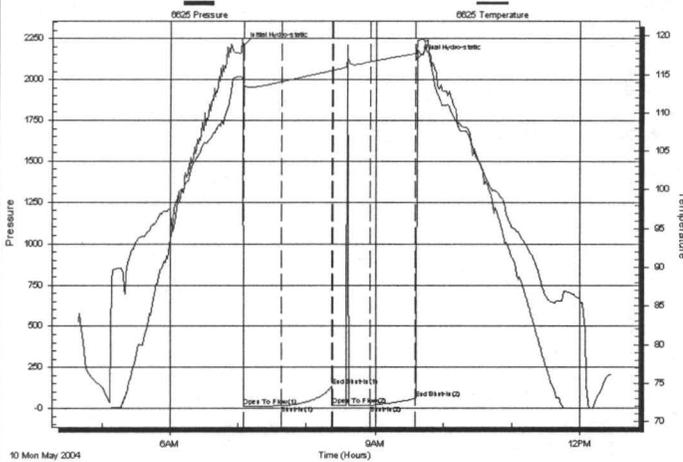
12:28:49

Time On Btm: 2004.05.10 @ 07:04:34

Time Off Btm: 2004.05.10 @ 09:36:19

TEST COMMENT: IF: Weak surface blow.
IS: No bb.
FF: No blow wait 10 mins. flush tool no blow.
FS: No blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2204.42	114.18	Initial Hydro-static
1	14.28	113.61	Open To Flow (1)
34	15.54	114.02	Shut-In(1)
78	135.61	115.47	End Shut-In(1)
78	16.19	115.48	Open To Flow (2)
111	18.68	116.62	Shut-In(2)
151	61.76	117.68	End Shut-In(2)
152	2126.66	119.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	VSGCM4%gas 96%mud	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cheifton Oil,Company.inc.

Jo #1

625 S.10th
Kiowa,Ks.67070

27-32S-10W

Job Ticket: 19020

DST#: 3

ATTN: Arden Ratzlaff

Test Start: 2004.05.10 @ 04:39:34

Tool Information

Drill Pipe:	Length: 4664.00 ft	Diameter: 3.80 inches	Volume: 65.42 bbl	Tool Weight: 2100.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 65.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4677.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	52.00 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			4654.00	
Shut In Tool	5.00			4659.00	
Hydraulic tool	5.00			4664.00	
Safety Joint	3.00			4667.00	
Packer	5.00			4672.00	24.00 Bottom Of Top Packer
Packer	5.00			4677.00	
Stubb	1.00			4678.00	
Anchor	3.00			4681.00	
Recorder	0.00	6625	Inside	4681.00	
Anchor	21.00			4702.00	
Recorder	0.00	13769	Outside	4702.00	
Bullnose	3.00			4705.00	28.00 Bottom Packers & Anchor

Total Tool Length: 52.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Cheifton Oil, Company, inc.

Jo #1

625 S.10th
Kiowa, Ks. 67070

27-32S-10W

Job Ticket: 19020

DST#: 3

ATTN: Arden Ratzlaff

Test Start: 2004.05.10 @ 04:39:34

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: 9.19 in ³	Gas Cushion Type:		
Resistivity: 0.80 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 0.32 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	VSGCM4%gas 96%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 #: 6625

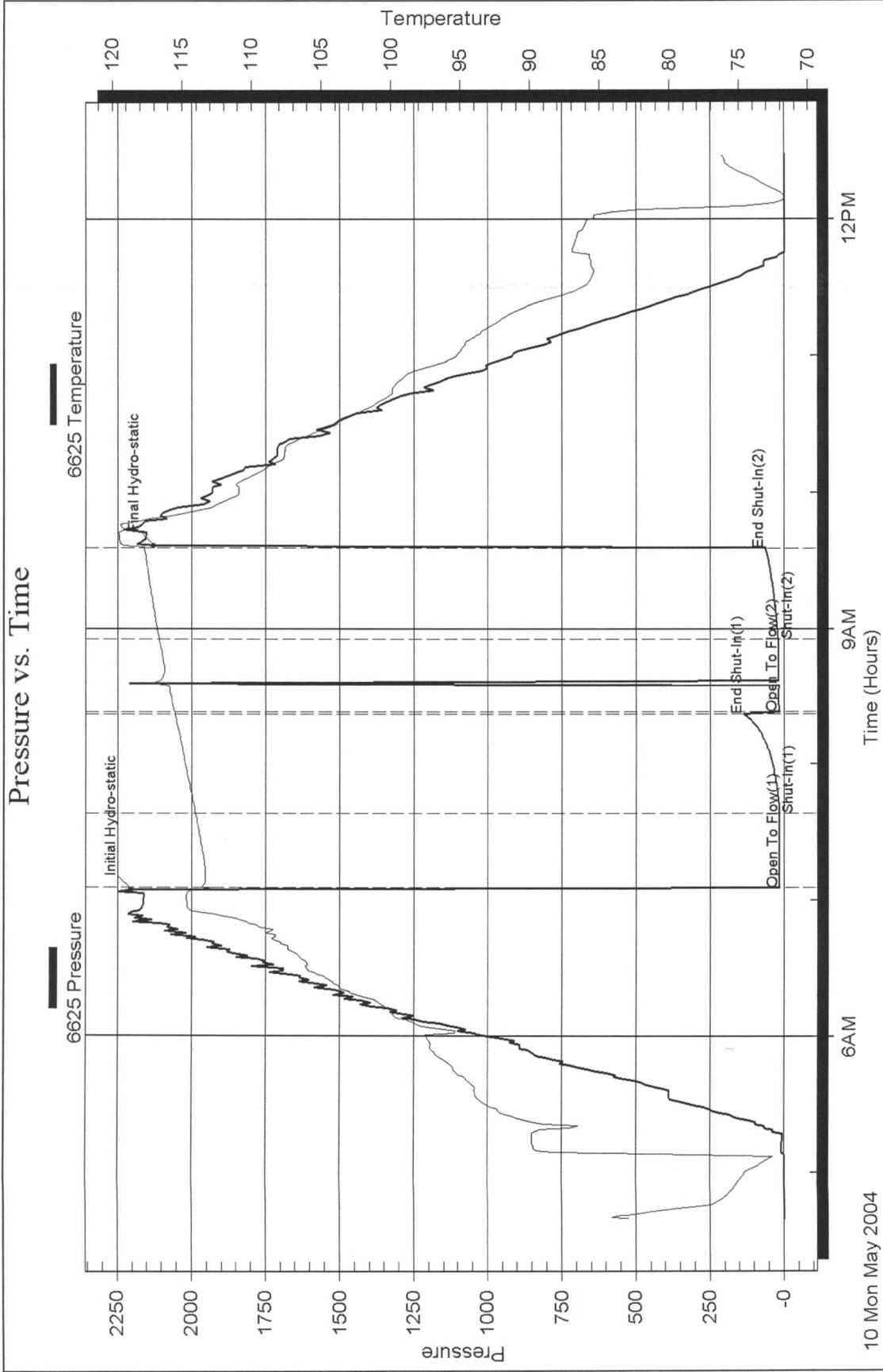
Inside

Cheifton Oil, Company, inc.

27-32S-10W

DST Test Number: 3

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Cheifton Oil,Company.inc.**

625 S.10th
Kiowa,Ks.67070

ATTN: Arden Ratzlaff

27-32S-10W

Jo #1

Start Date: 2004.05.11 @ 06:06:37

End Date: 2004.05.11 @ 17:30:22

Job Ticket #: 19021 DST #: 4

Trilobite Testing, Inc

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Cheifton Oil,Company.inc.

Jo #1

27-32S-10W

DST # 4

Simpson

2004.05.11



**TRILOBITE
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DRILL STEM TEST REPORT

Cheifton Oil, Company, inc.

Jo #1

625 S.10th
Kiowa, Ks. 67070

27-32S-10W

Job Ticket: 19021

DST#: 4

ATTN: Arden Ratzlaff

Test Start: 2004.05.11 @ 06:06:37

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:48:22

Time Test Ended: 17:30:22

Test Type: Conventional Bottom Hole

Tester: Darren L. Amerine

Unit No: 19

Interval: **4748.00 ft (KB) To 4776.00 ft (KB) (TVD)**

Total Depth: 4748.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1439.00 ft (KB)

1426.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6625

Inside

Press@RunDepth: 1770.46 psig @ 4750.00 ft (KB)

Start Date: 2004.05.11

End Date:

2004.05.11

Start Time: 06:06:40

End Time:

17:30:22

Capacity: 7000.00 psig

Last Calib.: 2004.05.11

Time On Btm: 2004.05.11 @ 09:46:37

Time Off Btm: 2004.05.11 @ 13:18:52

TEST COMMENT:

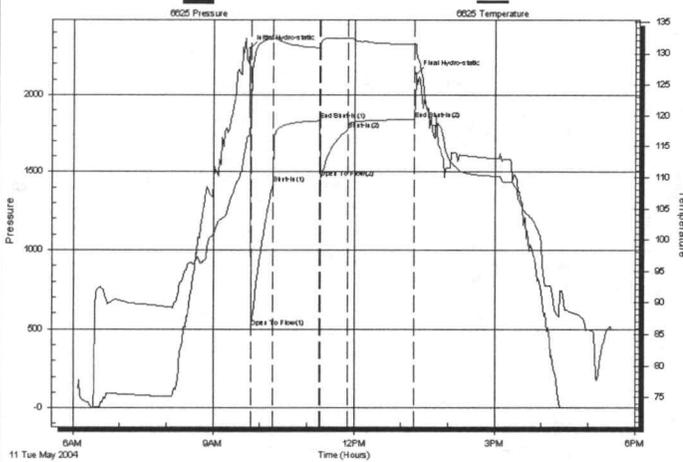
IF: Strong blow b.o.b in 30 sec.

IS: Bled down for 5 mins. built back to 4" in H2O bucket.

FF: Strong blow b.o.b in 40 sec.

FS: Bled down for 10 mins. built back to weak surface blow.

Pressure vs. Time



PRESSURE SUMMARY

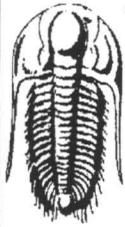
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2295.84	116.97	Initial Hydro-static
2	511.54	120.92	Open To Flow (1)
31	1424.26	132.28	Shut-In(1)
90	1832.35	130.89	End Shut-In(1)
91	1462.36	131.45	Open To Flow (2)
125	1770.46	132.38	Shut-In(2)
211	1840.14	131.45	End Shut-In(2)
213	2135.10	130.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	HMCSW 30% water 70% mud	0.59
3780.00	salt water	51.89

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cheifton Oil, Company, inc.

Jo #1

625 S.10th
Kiowa, Ks. 67070

27-32S-10W

Job Ticket: 19021

DST#: 4

ATTN: Arden Ratzlaff

Test Start: 2004.05.11 @ 06:06:37

Tool Information

Drill Pipe:	Length: 4476.85 ft	Diameter: 3.80 inches	Volume: 62.80 bbl	Tool Weight: 2100.00 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: 244.15 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 115000.0 lb
			<u>Total Volume: 64.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4748.00 ft			Final 103000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 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
Change Over Sub	1.00			4720.00	
Shut In Tool	5.00			4725.00	
Hydraulic tool	5.00			4730.00	
Jars	5.00			4735.00	
Safety Joint	3.00			4738.00	
Packer	5.00			4743.00	29.00 Bottom Of Top Packer
Packer	5.00			4748.00	
Stubb	2.00			4750.00	
Recorder	0.00	6625	Inside	4750.00	
Anchor	23.00			4773.00	
Recorder	0.00	10991	Inside	4773.00	
Bullnose	3.00			4776.00	28.00 Bottom Packers & Anchor

Total Tool Length: 57.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cheifton Oil, Company, inc.

Jo #1

625 S. 10th
Kiowa, Ks. 67070

27-32S-10W

Job Ticket: 19021

DST#: 4

ATTN: Arden Ratzlaff

Test Start: 2004.05.11 @ 06:06:37

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:	95000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: 0.70 ohm.m	Gas Cushion Pressure: psig		
Salinity: 11000.00 ppm			
Filter Cake: 0.32 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	HMCSW 30%water 70%mud	0.590
3780.00	salt water	51.893

Total Length: 3900.00 ft Total Volume: 52.483 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

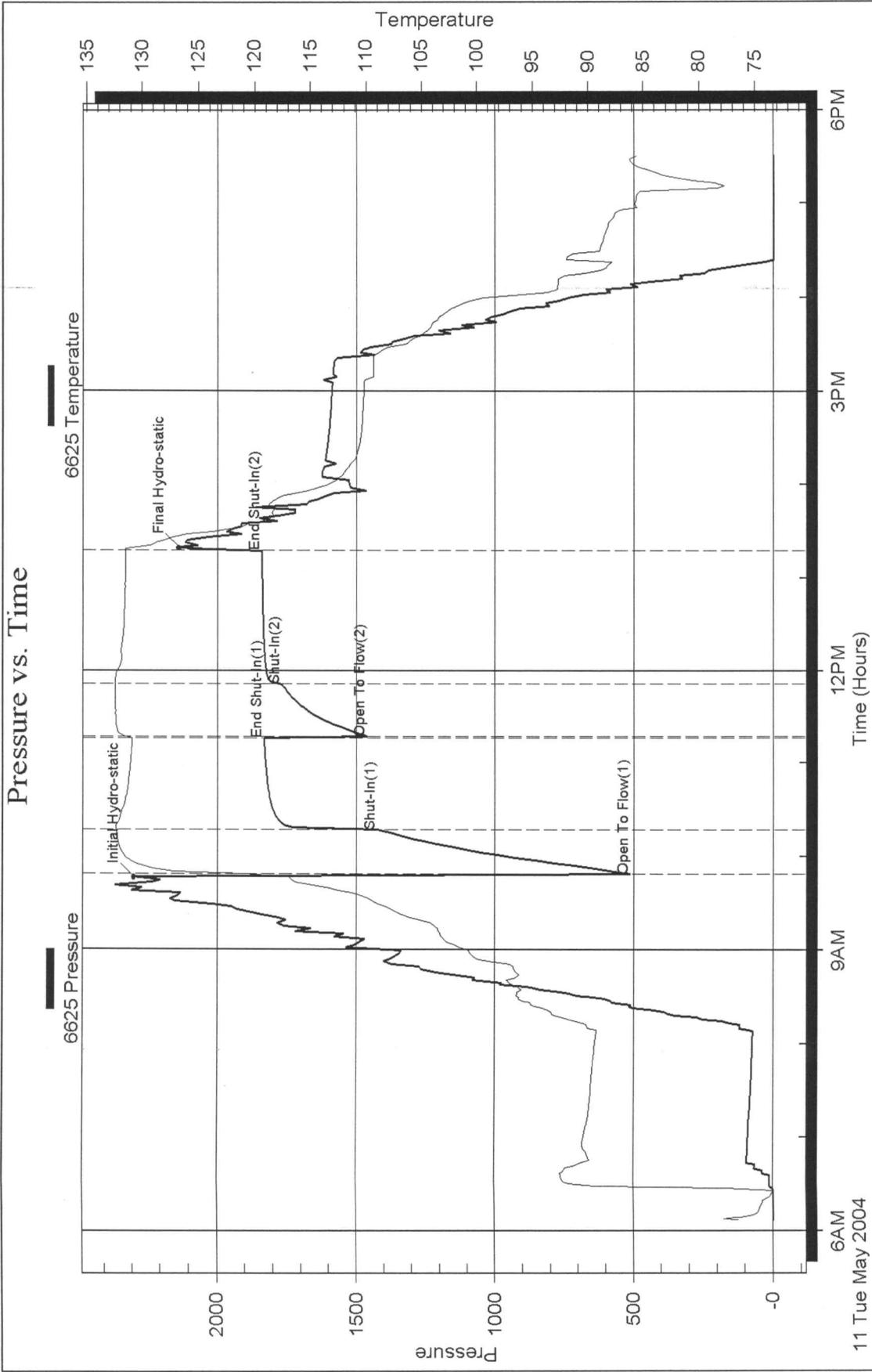
Serial #:

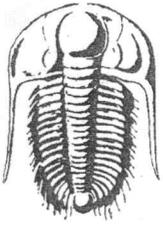
Laboratory Name:

Laboratory Location:

Recovery Comments: .07@80'degrees=95000

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

*TNW
6422*

No. 19018

05/03

Test Ticket

Well Name & No. Jo #1 Test No. #1 Date 5-6-04
 Company Cheriton Oil Company, Inc. Zone Tested Swope
 Address 625 S. 10th Hiowa, Ks 67070 Elevation 1439 KB 1426 GL
 Co. Rep / Geo. Arden Ratzlaff Cont. Duke #9 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 27 Twp. 32 S Rge. 10 W Co. Barber, Co. State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4090' - 4128' Initial Str Wt./Lbs. 60000 Unseated Str Wt./Lbs. 60000
 Anchor Length 38' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 4085' Tool Weight 2100
 Bottom Packer Depth 4090' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4128 Wt. Pipe Run N/A Drill Collar Run N/A
 Mud Wt. 9.2 LCM 0 Vis. 46 WL 13.0 Drill Pipe Size 4 1/2 XH Ft. Run 4094.0

Blow Description IF: Strong blow b.o.b in 60 sec.
ISI: Bled down for 5 mins. No blow pack.
FF: Strong blow b.o.b in 90 sec.
FSI: Bled down for 10 mins. Built back to 4" GTS.

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>357</u>	<u>1377'</u>	<u>N/A</u>	<u>357'</u>
Rec. <u>105'</u>	Feet of <u>#16CM</u>	<u>20</u> %gas	<u>Trace</u> %oil
Rec. <u>120'</u>	Feet of <u>#1016CWM</u>	<u>40</u> %gas	<u>30</u> %oil
Rec. <u>132'</u>	Feet of <u>64MCW</u>	<u>10</u> %gas	<u>80</u> %water
Rec. <u>3737</u>	Feet of <u>GIP</u>	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil

BHT 117 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 006 @ 81 °F Chlorides 145,000 ppm Recovery _____ Chlorides 6,500 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2026</u> PSI	<u>2026</u> PSI	<u>6625</u>	<u>800</u>
(B) First Initial Flow Pressure	<u>50</u> PSI	<u>50</u> PSI	(depth) <u>4096'</u>	Elec. Rec. <u>150</u>
(C) First Final Flow Pressure	<u>92</u> PSI	<u>92</u> PSI	Recorder No. <u>13769</u>	Jars _____
(D) Initial Shut-In Pressure	<u>1275</u> PSI	<u>1275</u> PSI	(depth) <u>4125'</u>	Safety Jt. <u>50</u>
(E) Second Initial Flow Pressure	<u>111</u> PSI	<u>111</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>154</u> PSI	<u>154</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1160</u> PSI	<u>1160</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1975</u> PSI	<u>1975</u> PSI	Initial Shut-In <u>45</u>	Ext. Packer _____

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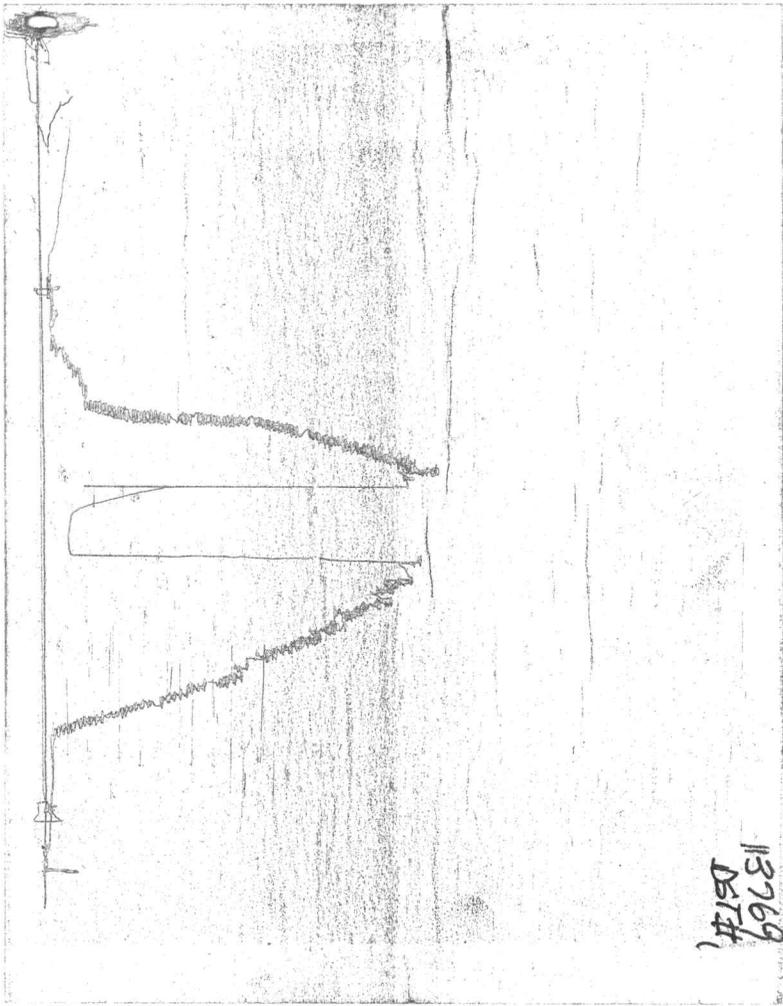
Approved By Arden Ratzlaff
 Our Representative Darren Stumme

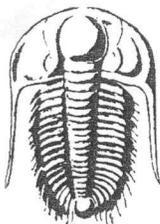
T-Started 0051
 T-Open 0439
 T-Pulled 0754
 T-Out 1053

Shale Packer _____
 Mileage 5204 88.40
 Sub Total: 1088.40
 Std. By Jhrs 60
 Other 1145.40
 Total: _____

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19019

05/03

Test Ticket

Well Name & No. Job #1 Test No. #2 Date 5-8-04
 Company Cheifton Oil Company, Inc. Zone Tested Mississippian
 Address 6255 10th Kiowa, Ks. 67070 Elevation 1439 KB 1426 GL
 Co. Rep / Geo. Arden Ratzlaff Cont. Duke Hig Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 27 Twp. 32S Rge. 10W Co. Barber Co. KS State Ks
 No. of Copies 5 Distribution Sheet (Y, N) - Turnkey (Y, N) - Evaluation (Y, N) -

Interval Tested 4371' - 4435' Initial Str Wt./Lbs. 64,000 Unseated Str Wt./Lbs. 67,000
 Anchor Length 64' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 80,000
 Top Packer Depth 4366' Tool Weight 2100
 Bottom Packer Depth 4371' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4435' Wt. Pipe Run N/A Drill Collar Run N/A
 Mud Wt. 9.2 LCM _____ Vis. 50 WL 12.0 Drill Pipe Size 4 1/2 XH Ft. Run 4409'
 Blow Description IF Strong blow b.o.b in 40 sec. 6TS in 3 mins. Gauge Gas.
ISI Bled down for 30 mins. built back to 5" in #120 bucket.
FF Strong blow b.o.b in 30 sec. Gauge Gas.
FSI Bled down for 30 mins. built back to b.o.b in 25 mins.
 Recovery - Total Feet 980' GIP 3397' Ft. in DC N/A Ft. in DP 980'
 Rec. 186' Feet of 660CM 20 %gas 30 %oil %water 50 %mud
 Rec. 450' Feet of 660CM 40 %gas 30 %oil %water 30 %mud
 Rec. 254' Feet of 460MCO 30 %gas 60 %oil %water 10 %mud
 Rec. 90' Feet of 506W 20 %gas 5 %oil 70 %water 5 %mud
 Rec. 3397' Feet of GIP %gas %oil %water %mud
 BHT 123° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .04 @ 84° °F Chlorides 180,000 ppm Recovery _____ Chlorides 8500 ppm System

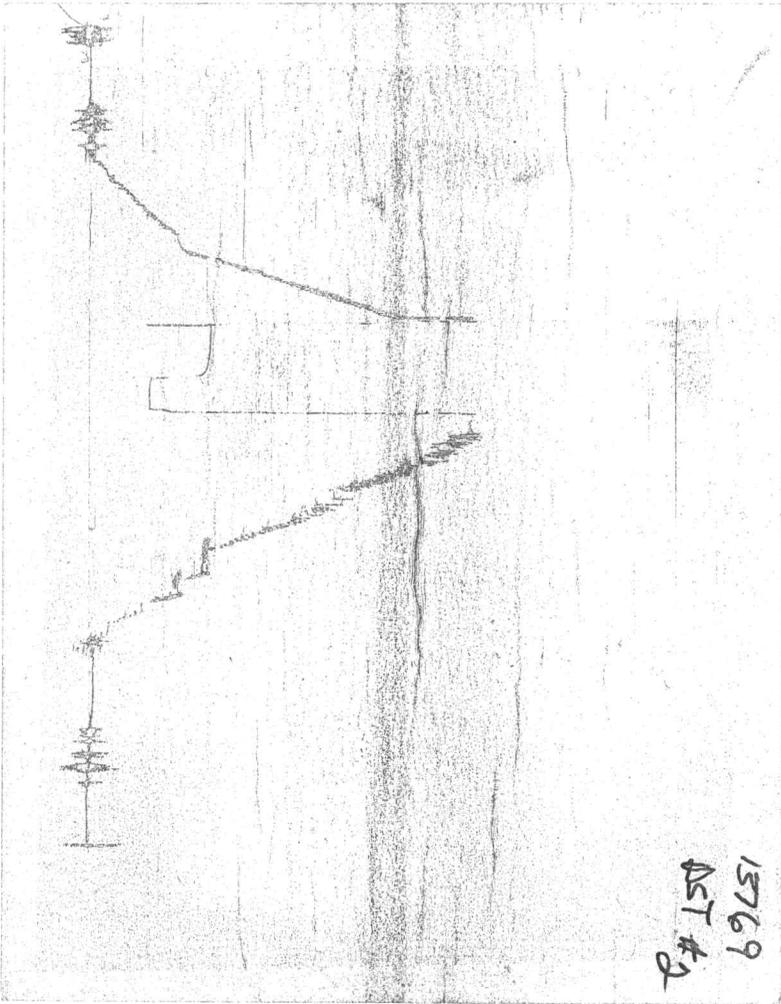
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		2114 PSI	6625	<input checked="" type="checkbox"/>
(B) First Initial Flow Pressure		314 PSI	(depth) 4377'	Elec. Rec. <input checked="" type="checkbox"/>
(C) First Final Flow Pressure		334 PSI	Recorder No. 10991	Jars _____
(D) Initial Shut-In Pressure		683 PSI	(depth) 4400'	Safety Jt. <input checked="" type="checkbox"/>
(E) Second Initial Flow Pressure		304 PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		434 PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		682 PSI	Initial Opening 30	Straddle _____
(Q) Final Hydrostatic Mud		2043 PSI	Initial Shut-In 60	Ext. Packer _____
			Final Flow 30	Shale Packer _____
			Final Shut-In 60	Mileage <u>104</u>
			T-On Location 6030	Sub Total: <u>1088.40</u>
			T-Started 0037	Std. By <u>314</u> <u>97.50</u>
			T-Open 0608	Other _____
			T-Pulled 0908	Total: <u>1185.90</u>
			T-Out 1241	

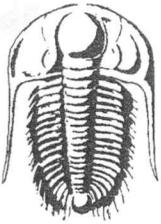
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Approved By Arden Ratzlaff
 Our Representative Daniel L. ...

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19020

05/03

Test Ticket

Well Name & No. Jo #1 Test No. #3 Date 5-10-04
 Company Cheiffon Oil Company Inc. Zone Tested Viola
 Address 625 S. 10th Kiowa KS 67070 Elevation 1439 KB 1426 GL
 Co. Rep / Geo. Arden Ratzlaff Cont. Duke #9 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 27 Twp. 32S Rge. 10W Co. Barker Co. State KS
 No. of Copies 5 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4677' - 4705' Initial Str Wt./Lbs. 6800 Unseated Str Wt./Lbs. 68000
 Anchor Length 28' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 8000
 Top Packer Depth 4672' Tool Weight 2100
 Bottom Packer Depth 4677' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4705' Wt. Pipe Run N/A Drill Collar Run N/A
 Mud Wt. 8.8 LCM 6# Vis. 50 WL 9.2 Drill Pipe Size 4 1/2 XH Ft. Run 4664

Blow Description IF: Weak surface blow.
ISI: No blow back.
FF: No blow wait 10 mins. flush tool No blow.
FSI: No blow back.

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>10'</u>	<u>N/A</u>	<u>N/A</u>	
Rec. <u>10</u> Feet of <u>US6CM</u>	<u>4</u> %gas	%oil	%water <u>96</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 118° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 8000 ppm System

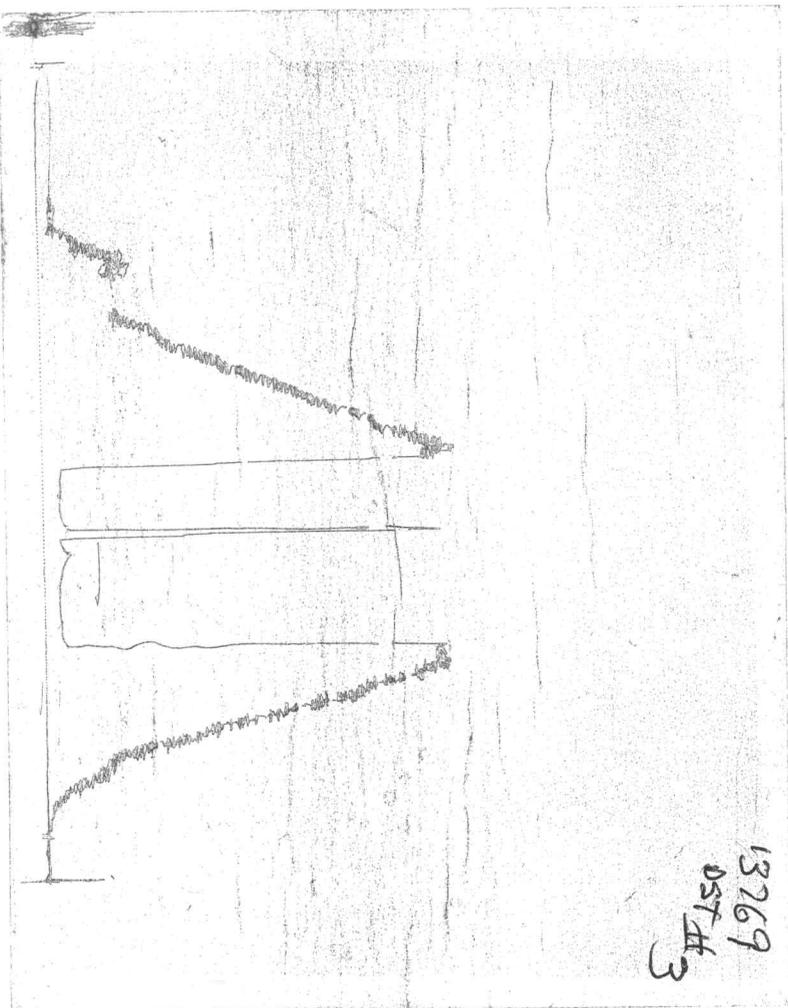
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2204</u> PSI	<u>6625</u>	✓ <u>800</u>
(B) First Initial Flow Pressure		<u>14</u> PSI	(depth) <u>4681'</u>	Elec. Rec. ✓ <u>150</u>
(C) First Final Flow Pressure		<u>16</u> PSI	Recorder No. <u>13769</u>	Jars _____
(D) Initial Shut-In Pressure		<u>136</u> PSI	(depth) <u>4702'</u>	Safety Jt. ✓ <u>50</u>
(E) Second Initial Flow Pressure		<u>16</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>19</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>62</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>2127</u> PSI	Initial Shut-In <u>45</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>45</u>	Mileage <u>92</u> <u>78.20</u>
			T-On Location <u>0045</u>	Sub Total: <u>1078.20</u>
			T-Started <u>0439</u>	Std. By <u>2/4</u> <u>82.50</u>
			T-Open <u>0658</u>	Other _____
			T-Pulled <u>0928</u>	Total: <u>\$ 1160.70</u>
			T-Out <u>1228</u>	

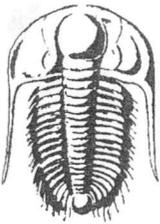
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Approved By Arden Ratzlaff
 Our Representative Darwin Horneuro

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19021

05/03

Test Ticket

Well Name & No. Jo #1 Test No. #4 Date 5-11-04
 Company Chieftain Oil, Co. Inc. 625 S. 10th Zone Tested Simpson
 Address Kiowa, Ks. Elevation 1439 KB 1426 GL
 Co. Rep / Geo. Arden Ratzlaff Cont. Duke #9 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 27 Twp. 32S Rge. 10W Co. Barber, Co. State Ks
 No. of Copies 5 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4748 - 4776' Initial Str Wt./Lbs. 80,000 Unseated Str Wt./Lbs. 105,000
 Anchor Length 28' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 115,000
 Top Packer Depth 4743' Tool Weight 2100
 Bottom Packer Depth 4748' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4776' Wt. Pipe Run N/A Drill Collar Run 244.15
 Mud Wt. 9.0 LCM 5 1/2 # Vis. 48 WL 9.6 Drill Pipe Size 4 1/2 x H Ft. Run _____

Blow Description FF: Strong blow b.o.b in 40 sec.
IST: Bled down for 5 mins. Built back to 4" in #120 bucket.
FF: Strong blow b.o.b in 60 sec.
FST: Bled down built back to weak surface blow

Recovery - Total Feet 3900' GIP _____ Ft. in DC 244.15 Ft. in DP 3655.85
 Rec. 120' Feet of HMC SW %gas _____ %oil _____ %water 30 %mud 70
 Rec. 3780 Feet of Salt Water %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 131° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .07 @ 80° °F Chlorides 95,000 ppm Recovery _____ Chlorides 11,000 ppm System

	AK-1	Alpine	Recorder No.	Test	
(A) Initial Hydrostatic Mud		<u>2296</u> PSI	<u>6625</u>	<input checked="" type="checkbox"/>	<u>800</u>
(B) First Initial Flow Pressure		<u>512</u> PSI	(depth) <u>4750'</u>	Elec. Rec. <input checked="" type="checkbox"/>	<u>150</u>
(C) First Final Flow Pressure		<u>1424</u> PSI	Recorder No. <u>10991</u>	Jars <input checked="" type="checkbox"/>	<u>200</u>
(D) Initial Shut-In Pressure		<u>1832</u> PSI	(depth) <u>4773'</u>	Safety Jt. <input checked="" type="checkbox"/>	<u>50</u>
(E) Second Initial Flow Pressure		<u>1462</u> PSI	Recorder No. _____	Circ Sub <input checked="" type="checkbox"/>	<u>35</u>
(F) Second Final Flow Pressure		<u>1770</u> PSI	(depth) _____	Sampler _____	
(G) Final Shut-In Pressure		<u>1840</u> PSI	Initial Opening <u>30</u>	Straddle _____	
(Q) Final Hydrostatic Mud		<u>2135</u> PSI	Initial Shut-In <u>60</u>	Ext. Packer _____	
			Final Flow <u>30</u>	Shale Packer _____	
			Final Shut-In <u>90</u>	Mileage <u>81.40</u>	
			T-On Location <u>0515</u>	Sub Total: <u>1323.40</u>	
			T-Started <u>0606</u>	Std. By <u>3hr</u>	<u>90</u>
			T-Open <u>0941</u>	Other _____	
			T-Pulled <u>1311</u>	Total: <u>1413.40</u>	
			T-Out <u>1730</u>		

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Approved By Arden Ratzlaff
 Our Representative Daren [Signature]

CHART PAGE

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