

15-051-25272

27-12s-19w



DRILL STEM TEST REPORT

Prepared For: **Staab Oil Co.**

1607 Hopewell Rd.
Hays, Ks. 67601

ATTN: Francis C. Staab

27--12s--19w

Senesac # 1

Start Date: 2004.02.02 @ 20:18:19

End Date: 2004.02.03 @ 03:11:49

Job Ticket #: 18265 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

Staab Oil Co.

Senesac # 1

1607 Hopewell Rd.
Hays, Ks. 67601

27-12s-19w

Job Ticket: 18265

DST#: 1

ATTN: Francis C. Staab

Test Start: 2004.02.02 @ 20:18:19

GENERAL INFORMATION:

Formation: **L.Kc.-C**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 22:17:49

Time Test Ended: 03:11:49

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3477.00 ft (KB) To 3503.00 ft (KB) (TVD)**

Reference Elevations: **2155.00 ft (KB)**

Total Depth: **3503.00 ft (KB) (TVD)**

2149.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

KB to GR/CF: **6.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **76.57 psig @ 3480.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.02.02**

End Date:

2004.02.03

Last Calib.:

2004.02.03

Start Time: **20:18:21**

End Time:

03:11:49

Time On Btrn:

2004.02.02 @ 22:16:49

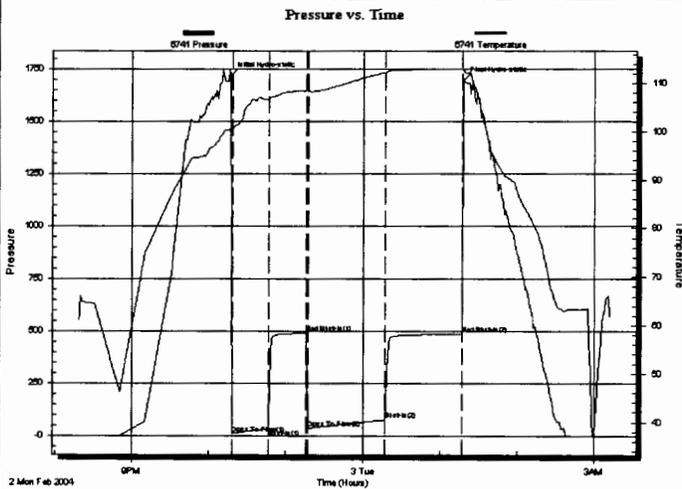
Time Off Btrn:

2004.02.03 @ 01:17:49

TEST COMMENT: IF-Good blow built to 7" in.
FF-Good blow built to 8" in.

IS-Dead

FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1721.28	100.95	Initial Hydro-static
1	10.51	100.83	Open To Flow (1)
30	34.47	106.76	Shut-In(1)
59	491.01	108.51	End Shut-In(1)
60	35.86	108.49	Open To Flow (2)
120	76.57	112.26	Shut-In(2)
180	487.08	112.96	End Shut-In(2)
181	1697.83	112.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	Salt Water	1.96

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Staab Oil Co.

Senesac # 1

1607 Hopewell Rd.
Hays, Ks. 67601

27-12s-19w

Job Ticket: 18265

DST#: 1

ATTN: Francis C. Staab

Test Start: 2004.02.02 @ 20:18:19

Tool Information

Drill Pipe:	Length: 3483.00 ft	Diameter: 3.80 inches	Volume: 48.86 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 43000.00 lb
		Total Volume:	48.86 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3477.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	46.00 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			3458.00	
Shut In Tool	5.00			3463.00	
Hydraulic tool	5.00			3468.00	
Packer	4.00			3472.00	20.00 Bottom Of Top Packer
Packer	5.00			3477.00	
Stubb	1.00			3478.00	
Perforations	2.00			3480.00	
Recorder	0.00	6741	Inside	3480.00	
Perforations	20.00			3500.00	
Recorder	0.00	13308	Outside	3500.00	
Bullnose	3.00			3503.00	26.00 Bottom Packers & Anchor

Total Tool Length: 46.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Staab Oil Co.

Senesac # 1

1607 Hopewell Rd.
Hays, Ks. 67601

27-12s-19w

Job Ticket: 18265

DST#: 1

ATTN: Francis C. Staab

Test Start: 2004.02.02 @ 20:18:19

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	Salt Water	1.964

Total Length: 140.00 ft

Total Volume: 1.964 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6741

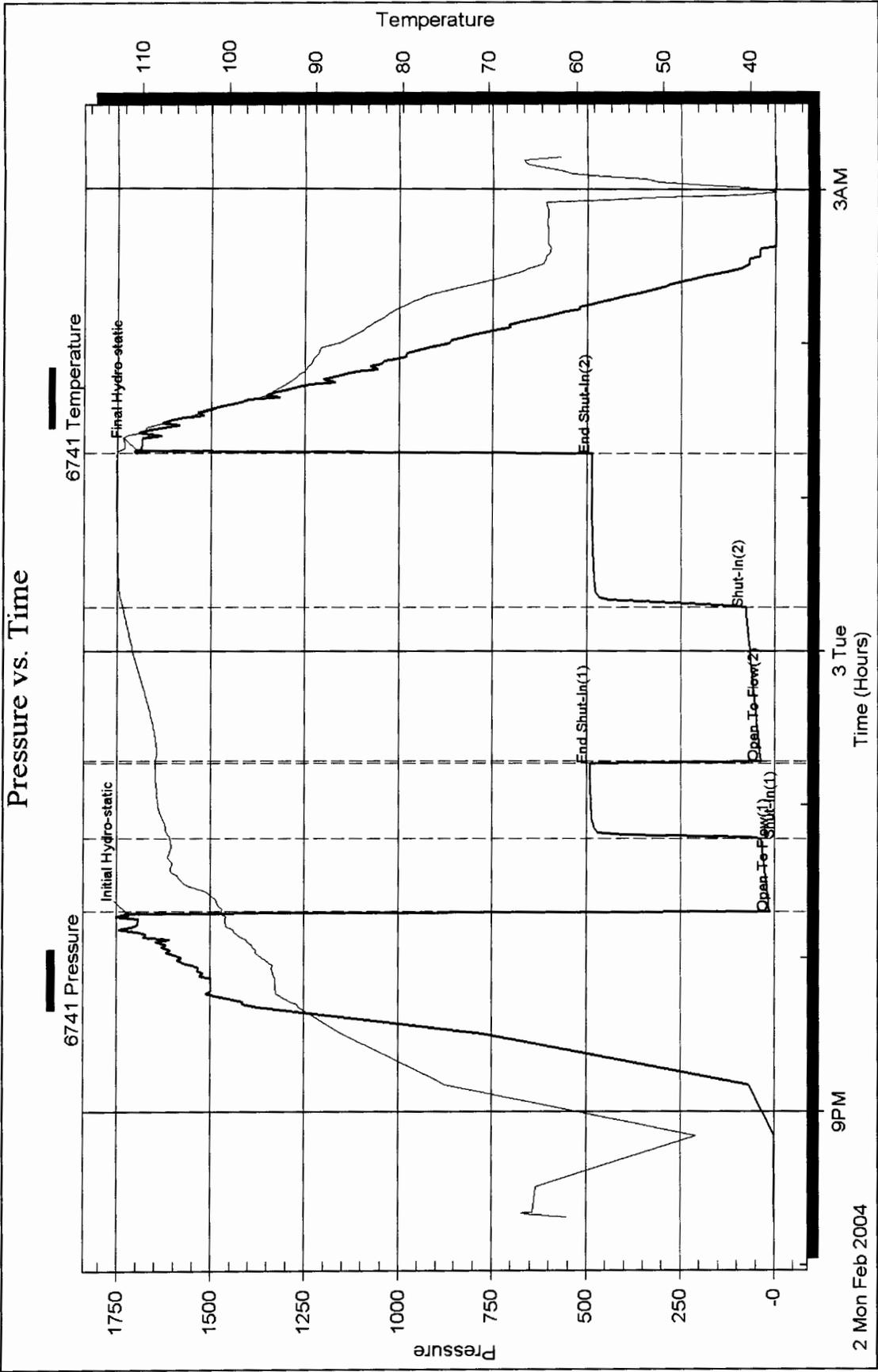
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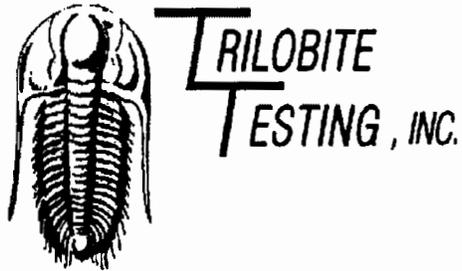
Staab Oil Co.

27--12s--19w

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Staab Oil Co.**

1607 Hopewell Rd.
Hays, Ks. 67601

ATTN: Francis C. Staab

27--12s--19w

Senesac # 1

Start Date: 2004.02.03 @ 10:51:48

End Date: 2004.02.03 @ 17:29:48

Job Ticket #: 18266 DST #: 2

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

Staab Oil Co.

Senesac # 1

27--12s--19w

DST # 2

L.Kc.-D

2004.02.03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Staab Oil Co.
1607 Hopewell Rd.
Hays, Ks. 67601
ATTN: Francis C. Staab

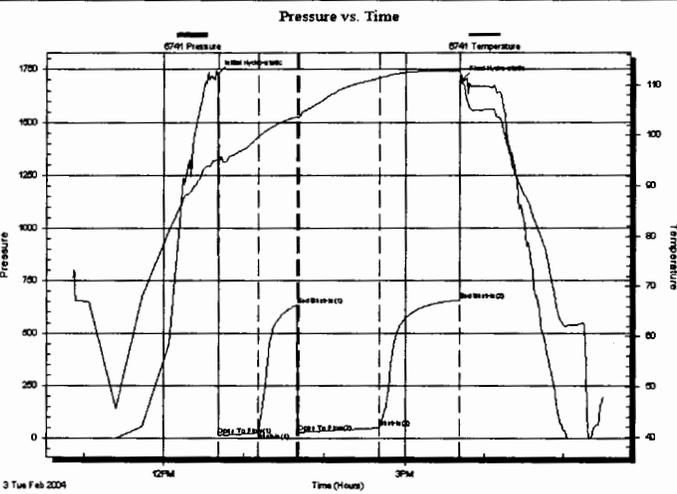
Senesac # 1
27-12s-19w
Job Ticket: 18266 **DST#: 2**
Test Start: 2004.02.03 @ 10:51:48

GENERAL INFORMATION:

Formation: **L.Kc.-D**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **12:41:18** Tester: **John Schmidt**
 Time Test Ended: **17:29:48** Unit No: **18**
 Interval: **3503.00 ft (KB) To 3525.00 ft (KB) (TVD)** Reference Elevations: **2155.00 ft (KB)**
 Total Depth: **3525.00 ft (KB) (TVD)** **2149.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **6.00 ft**

Serial #: 6741 **Inside**
 Press@RunDepth: **49.47 psig @ 3507.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2004.02.03** End Date: **2004.02.03** Last Calib.: **2004.02.03**
 Start Time: **10:51:50** End Time: **17:29:48** Time On Btrr: **2004.02.03 @ 12:40:48**
 Time Off Btrr: **2004.02.03 @ 15:42:48**

TEST COMMENT: IF-Weak to Fair blow built to 4" in. ISI-Very weak blow back.
 FF-Weak to Fair blow built to 4" in. FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1728.63	94.93	Initial Hydro-static
1	12.25	94.20	Open To Flow (1)
30	26.15	99.72	Shut-In(1)
59	634.96	103.73	End Shut-In(1)
60	27.38	103.73	Open To Flow (2)
120	49.47	111.39	Shut-In(2)
180	658.17	112.79	End Shut-In(2)
182	1701.72	110.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
85.00	Salt Water	1.19

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Staab Oil Co.

Senesac # 1

1607 Hopewell Rd.
Hays, Ks. 67601

27-12s-19w

Job Ticket: 18266

DST#: 2

ATTN: Francis C. Staab

Test Start: 2004.02.03 @ 10:51:48

Tool Information

Drill Pipe:	Length: 3513.00 ft	Diameter: 3.80 inches	Volume: 49.28 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume:	49.28 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3503.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	42.00 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			3484.00	
Shut In Tool	5.00			3489.00	
Hydraulic tool	5.00			3494.00	
Packer	4.00			3498.00	20.00 Bottom Of Top Packer
Packer	5.00			3503.00	
Stubb	1.00			3504.00	
Perforations	3.00			3507.00	
Recorder	0.00	6741	Inside	3507.00	
Perforations	15.00			3522.00	
Recorder	0.00	13308	Outside	3522.00	
Bullnose	3.00			3525.00	22.00 Bottom Packers & Anchor

Total Tool Length: 42.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Staab Oil Co.

Senesac # 1

1607 Hopewell Rd.
Hays, Ks. 67601

27-12s-19w

Job Ticket: 18266

DST#: 2

ATTN: Francis C. Staab

Test Start: 2004.02.03 @ 10:51:48

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:

60000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
85.00	Salt Water	1.192

Total Length: 85.00 ft

Total Volume: 1.192 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

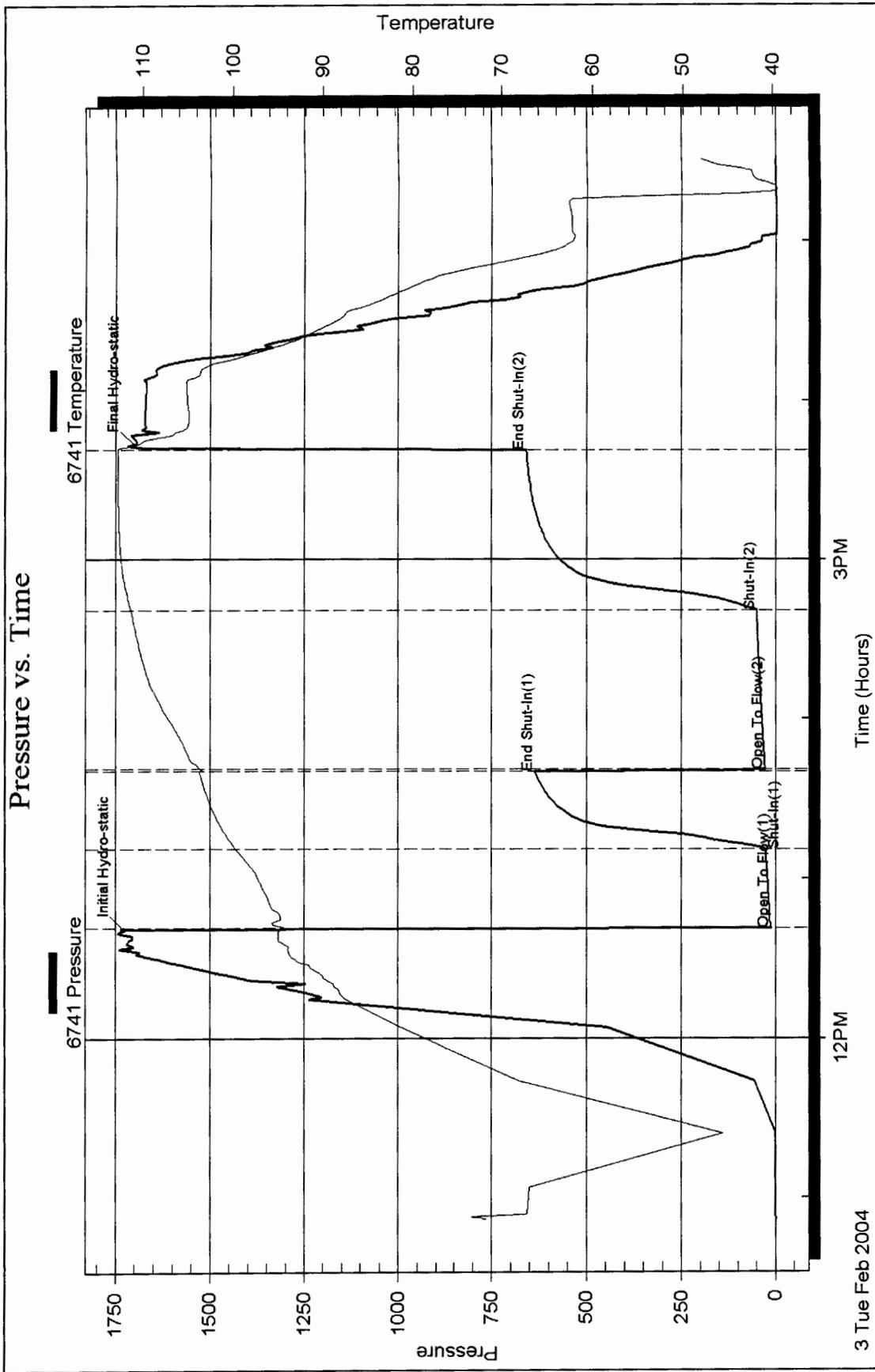
Serial #: 6741

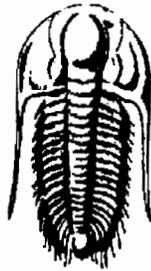
Inside

Staab Oil Co.

27--12s--19w

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Staab Oil Co.**

1607 Hopewell Rd.
Hays, Ks. 67601

ATTN: Francis C. Staab

27-12s-19w

Senesac # 1

Start Date: 2004.02.04 @ 00:33:39

End Date: 2004.02.04 @ 07:18:09

Job Ticket #: 18267 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Staab Oil Co.

Senesac # 1

27-12s-19w

DST # 3

L.Kc.-F

2004.02.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Staab Oil Co.
1607 Hopewell Rd.
Hays, Ks. 67601
ATTN: Francis C. Staab

Senesac # 1
27-12s-19w
Job Ticket: 18267 **DST#: 3**
Test Start: 2004.02.04 @ 00:33:39

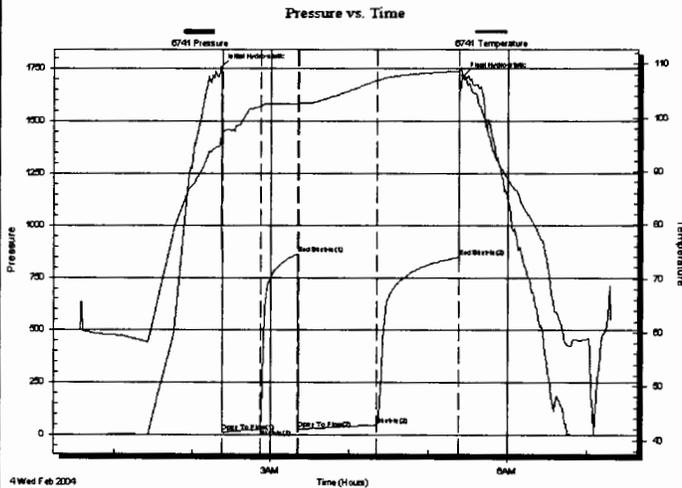
GENERAL INFORMATION:

Formation: **L.Kc.-F**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 02:22:39
 Time Test Ended: 07:18:09
 Interval: **3525.00 ft (KB) To 3548.00 ft (KB) (TVD)**
 Total Depth: **3548.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole**
 Tester: **John Schmidt**
 Unit No: **18**
 Reference Elevations: **2155.00 ft (KB)**
2149.00 ft (CF)
 KB to GR/CF: **6.00 ft**

Serial #: 6741 **Inside**
 Press@RunDepth: **47.94 psig @ 3530.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2004.02.04** End Date: **2004.02.04** Last Calib.: **2004.02.04**
 Start Time: **00:33:41** End Time: **07:18:09** Time On Btm: **2004.02.04 @ 02:21:39**
 Time Off Btm: **2004.02.04 @ 05:25:39**

TEST COMMENT: **IF-Weak to fair 4" in** **ISI-Dead**
FF-Weak blow built to 3" in **FSI-Dead**



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1754.35	96.28	Initial Hydro-static
1	12.43	95.65	Open To Flow (1)
31	27.13	102.19	Shut-In (1)
59	862.40	102.68	End Shut-In (1)
60	26.88	102.66	Open To Flow (2)
119	47.94	106.95	Shut-In (2)
181	847.87	108.69	End Shut-In (2)
184	1716.60	107.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Salt Water oil scum on top	0.98

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Staab Oil Co.

Senesac # 1

1607 Hopewell Rd.
Hays, Ks. 67601

27-12s-19w

Job Ticket: 18267

DST#: 3

ATTN: Francis C. Staab

Test Start: 2004.02.04 @ 00:33:39

Tool Information

Drill Pipe:	Length: 3513.00 ft	Diameter: 3.80 inches	Volume: 49.28 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 49.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3525.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	43.00 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
Change Over Sub	1.00			3506.00	
Shut In Tool	5.00			3511.00	
Hydraulic tool	5.00			3516.00	
Packer	4.00			3520.00	20.00 Bottom Of Top Packer
Packer	5.00			3525.00	
Stubb	1.00			3526.00	
Perforations	4.00			3530.00	
Recorder	0.00	6741	Inside	3530.00	
Perforations	15.00			3545.00	
Recorder	0.00	13308	Outside	3545.00	
Bullnose	3.00			3548.00	23.00 Bottom Packers & Anchor

Total Tool Length: 43.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Staab Oil Co.

Senesac # 1

1607 Hopewell Rd.
Hays, Ks. 67601

27-12s-19w

Job Ticket: 18267

DST#: 3

ATTN: Francis C. Staab

Test Start: 2004.02.04 @ 00:33:39

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:

30000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Salt Water oil scum on top	0.982

Total Length: 70.00 ft

Total Volume: 0.982 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6741

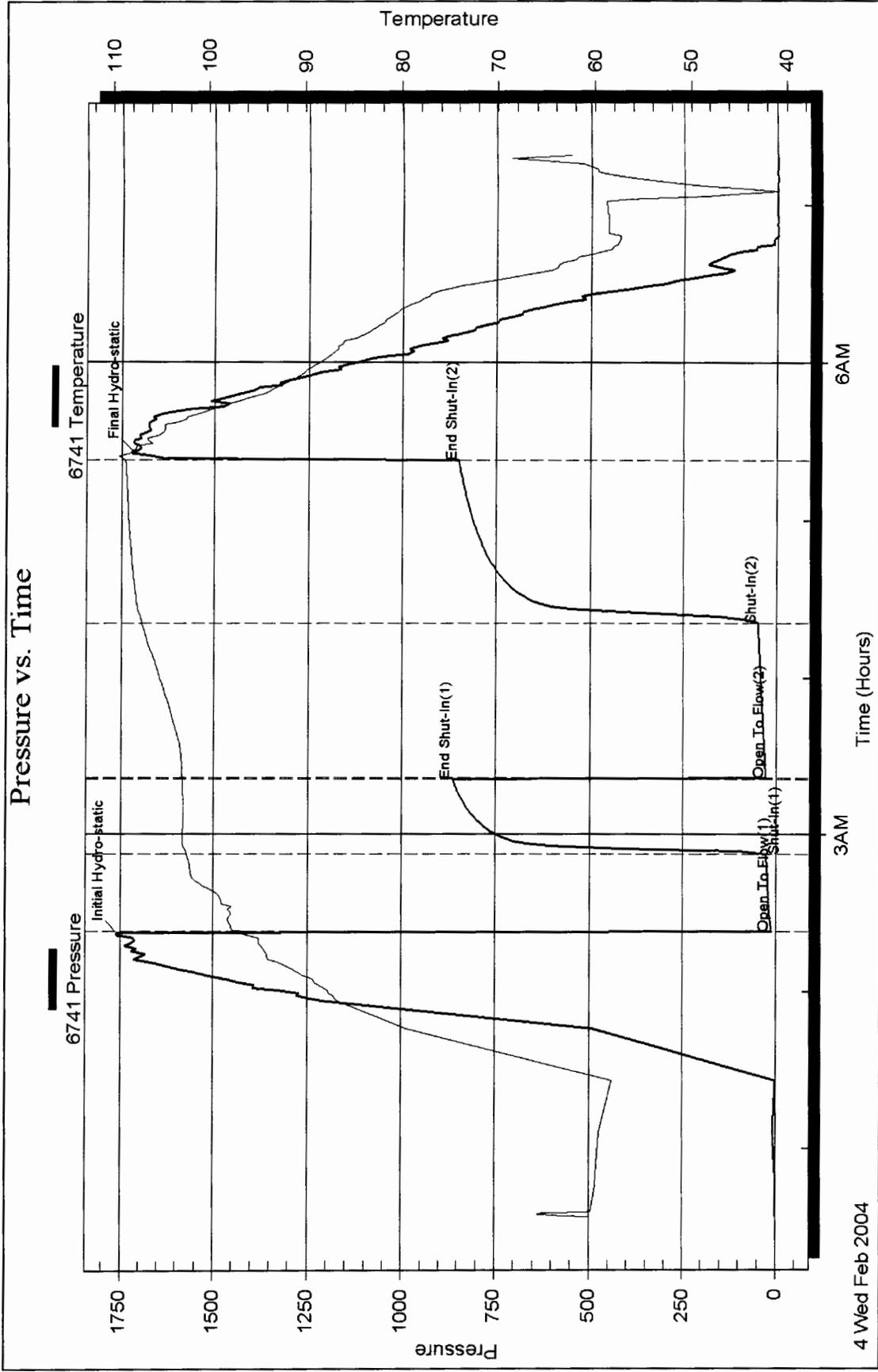
Inside

Staab Oil Co.

27--12s--19w

DST Test Number: 3

Pressure vs. Time



4 Wed Feb 2004

6AM

3AM

Time (Hours)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Staab Oil Co.**

1607 Hopewell Rd.
Hays, Ks. 67601

ATTN: Francis C. Staab

27-12s-19w

Senesac # 1

Start Date: 2004.02.04 @ 18:53:14

End Date: 2004.02.05 @ 00:39:44

Job Ticket #: 18268 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Staab Oil Co.

Senesac # 1

27-12s-19w

DST # 4

L.Kc.-18J

2004.02.04



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Staab Oil Co.

Senesac # 1

1607 Hopewell Rd.
Hays, Ks. 67601

27-12s-19w

Job Ticket: 18268

DST#: 4

ATTN: Francis C. Staab

Test Start: 2004.02.04 @ 18:53:14

GENERAL INFORMATION:

Formation: **L.Kc.-I&J**

Deviated: **No** Whipstock: ft (KB)

Time Tool Opened: 20:15:44

Time Test Ended: 00:39:44

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: **3605.00 ft (KB) To 3650.00 ft (KB) (TVD)**

Reference Elevations: 2155.00 ft (KB)

Total Depth: 3650.00 ft (KB) (TVD)

2149.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 12.80 psig @ 3608.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2004.02.04

End Date: 2004.02.05

Last Calib.: 2004.02.05

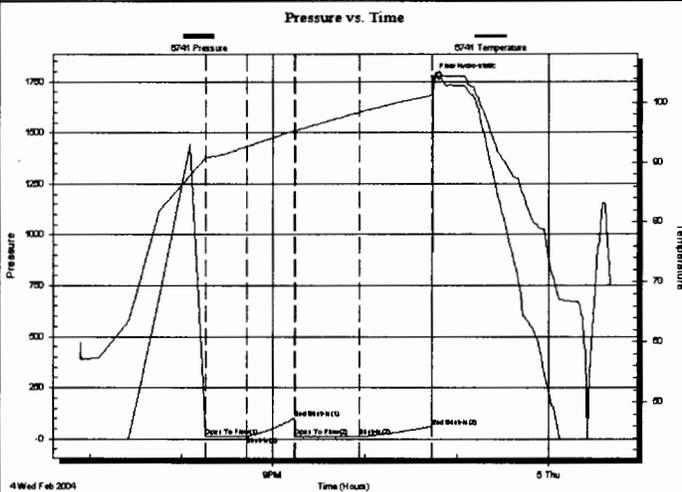
Start Time: 18:53:16

End Time: 00:39:44

Time On Btm:

Time Off Btm: 2004.02.04 @ 22:43:44

TEST COMMENT: IF-Weak 1"blow ISI-Dead
FF-Weak Surface blow FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	11.79	90.98	Open To Flow (1)
27	12.98	92.68	Shut-In(1)
58	100.10	95.28	End Shut-In(1)
59	11.17	95.31	Open To Flow(2)
101	12.80	98.38	Shut-In(2)
148	61.23	101.22	End Shut-In(2)
148	1772.08	101.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling mud	0.07
1.00	oil	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Staab Oil Co.

Senesac # 1

1607 Hopewell Rd.
Hays, Ks. 67601

27-12s-19w

Job Ticket: 18268

DST#: 4

ATTN: Francis C. Staab

Test Start: 2004.02.04 @ 18:53:14

Tool Information

Drill Pipe:	Length: 3605.00 ft	Diameter: 3.80 inches	Volume: 50.57 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 50.57 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3605.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	65.00 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			3586.00	
Shut In Tool	5.00			3591.00	
Hydraulic tool	5.00			3596.00	
Packer	4.00			3600.00	20.00 Bottom Of Top Packer
Packer	5.00			3605.00	
Stubb	1.00			3606.00	
Perforations	1.00			3607.00	
Change Over Sub	1.00			3608.00	
Recorder	0.00	6741	Inside	3608.00	
Blank Spacing	30.00			3638.00	
Change Over Sub	1.00			3639.00	
Recorder	0.00	11084	Outside	3639.00	
Perforations	8.00			3647.00	
Bullnose	3.00			3650.00	45.00 Bottom Packers & Anchor

Total Tool Length: 65.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Staab Oil Co.

Senesac # 1

1607 Hopewell Rd.
Hays, Ks. 67601

27-12s-19w

Job Ticket: 18268

DST#: 4

ATTN: Francis C. Staab

Test Start: 2004.02.04 @ 18:53:14

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: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling mud	0.070
1.00	oil	0.014

Total Length: 6.00 ft Total Volume: 0.084 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6741

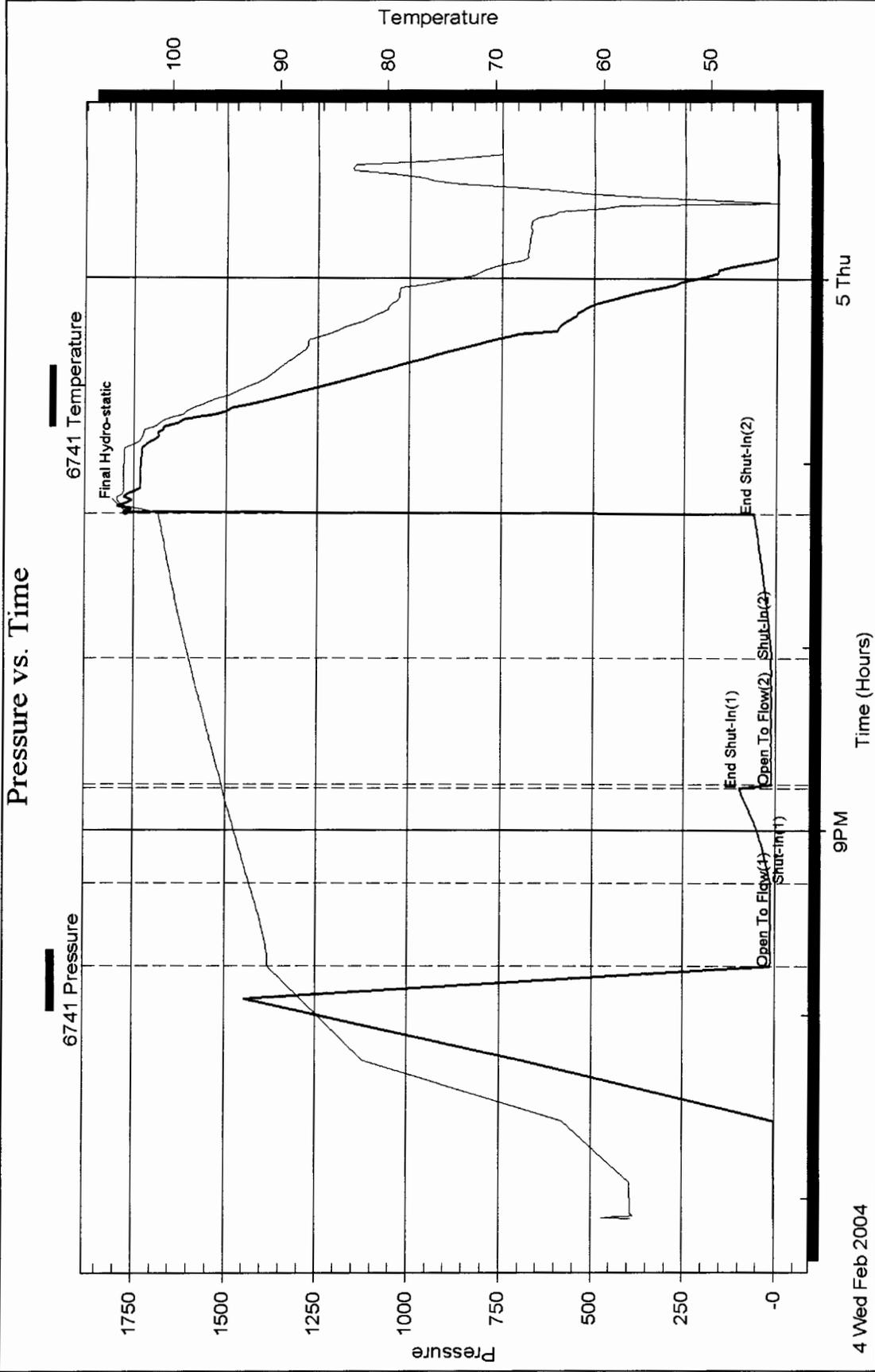
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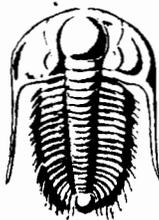
Staab Oil Co.

27--12s--19w

DST Test Number: 4

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 0185

N° 18265

05/03

Test Ticket

Well Name & No. SENESAC #1 Test No. #1 Date 2-2-04
 Company STAAB OIL CO. Zone Tested L. KC. - C
 Address 1607 HOPEWELL RD, HAYS, KS, 67601 Elevation 2155 KB 2149 GL
 Co. Rep / Geo. RANDY KILIAN Cont. VONFELDT #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 27 Twp. 12 S Rge. 19 W Co. ELLIS State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3477 To 3503 Initial Str Wt./Lbs. 40,000 Unseated Str Wt./Lbs. 40,000
 Anchor Length 26' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 43,000
 Top Packer Depth 3472 Tool Weight 2100
 Bottom Packer Depth 3477 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3503 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.4 LCM 0 Vis. 46 WL 8.0 Drill Pipe Size 4 1/2 XH Ft. Run 3483
 Blow Description IF - GOOD BLOW BUILT TO 7" IN FSI - DEAD
FF - GOOD BLOW BUILT TO 8" IN. FSI - DEAD

Recovery - Total Feet 140' GIP _____ Ft. in DC - Ft. in DP 140'
 Rec. 140 Feet of S. 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 _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 112 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 5 @ 10 °F Chlorides 55,000 ppm Recovery _____ Chlorides 3,000 ppm System

(A) Initial Hydrostatic Mud	<u>1721</u> PSI	Recorder No.	<u>6741</u>	Test	<u>B. HOLE 700</u>
(B) First Initial Flow Pressure	<u>10</u> PSI	(depth)	<u>3480</u>	Elec. Rec.	<input checked="" type="checkbox"/> <u>150</u>
(C) First Final Flow Pressure	<u>34</u> PSI	Recorder No.	<u>13308</u>	Jars	_____
(D) Initial Shut-In Pressure	<u>491</u> PSI	(depth)	<u>3500</u>	Safety Jt.	_____
(E) Second Initial Flow Pressure	<u>35</u> PSI	Recorder No.	_____	Circ Sub	_____
(F) Second Final Flow Pressure	<u>76</u> PSI	(depth)	_____	Sampler	_____
(G) Final Shut-In Pressure	<u>487</u> PSI	Initial Opening	<u>30</u>	Straddle	_____
(Q) Final Hydrostatic Mud	<u>1697</u> PSI	Initial Shut-In	<u>30</u>	Ext. Packer	_____
		Final Flow	<u>60</u>	Shale Packer	_____
		Final Shut-In	<u>60</u>	Mileage	<u>15 25.50</u>
		T-On Location	<u>17:30</u>	Sub Total:	<u>875.50</u>
		T-Started	<u>20:18</u>	Std. By <u>2hr</u>	<u>60</u>
		T-Open	<u>22:17</u>	Other	_____
		T-Pulled	<u>01:17</u>	Total:	<u>935.50</u>
		T-Out	<u>03:11</u>		

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

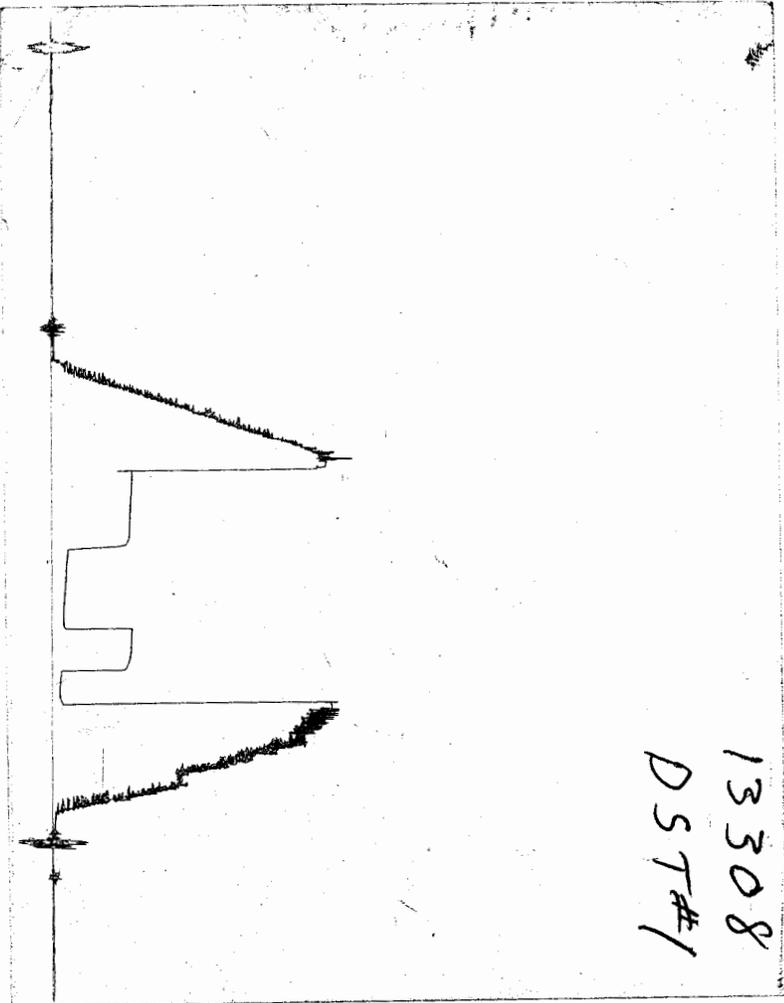
Approved By _____
 Our Representative John J. Schmitt

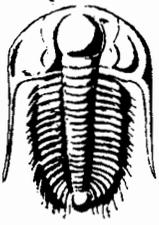
CHART PAGE

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

13308

D5T#1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18266

Test Ticket

Well Name & No. SENESAC #1 Test No. #2 Date 2-3-04
 Company STAAB OIL Co. Zone Tested L, Kc. - D
 Address _____ Elevation 2155 KB 2149 GL
 Co. Rep / Geo. RANDY KILIAN Cont. VONFELDT #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 27 Twp. 12S Rge. 19W Co. ELLIS State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3503 TO 3525 Initial Str Wt./Lbs. 40,000 Unseated Str Wt./Lbs. 40,000
 Anchor Length 22' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 3498 Tool Weight 2,000
 Bottom Packer Depth 3503 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3525 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.4 LCM 0 Vis. 43 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run _____
 Blow Description FF - WEAK TO FAIR BUILT TO 4" IN FSI - VERY WEAK BLOW BACK
FF - WEAK TO FAIR BUILT TO 4" IN. FSI - DEAD

Recovery - Total Feet 85' GIP - Ft. in DC - Ft. in DP 85'
 Rec. 85 Feet of S. 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 _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 112 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .22 @ 40 °F Chlorides 60,000 ppm Recovery _____ Chlorides _____ ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1728</u> PSI	<u>6741</u>	<u>B, HOLE</u>
(B) First Initial Flow Pressure		<u>12</u> PSI	(depth) <u>3507</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure		<u>26</u> PSI	Recorder No. <u>13308</u>	Jars _____
(D) Initial Shut-In Pressure		<u>634</u> PSI	(depth) <u>3522</u>	Safety Jt. _____
(E) Second Initial Flow Pressure		<u>27</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>49</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>658</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1701</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>60</u>	Shale Packer _____
			Final Shut-In <u>60</u>	Mileage <u>15</u>
			T-On Location <u>09:30</u>	Sub Total: <u>875.50</u>
			T-Started <u>10:51</u>	Std. By _____
			T-Open <u>12:41</u>	Other _____
			T-Pulled <u>15:42</u>	Total: _____
			T-Out <u>17:29</u>	

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

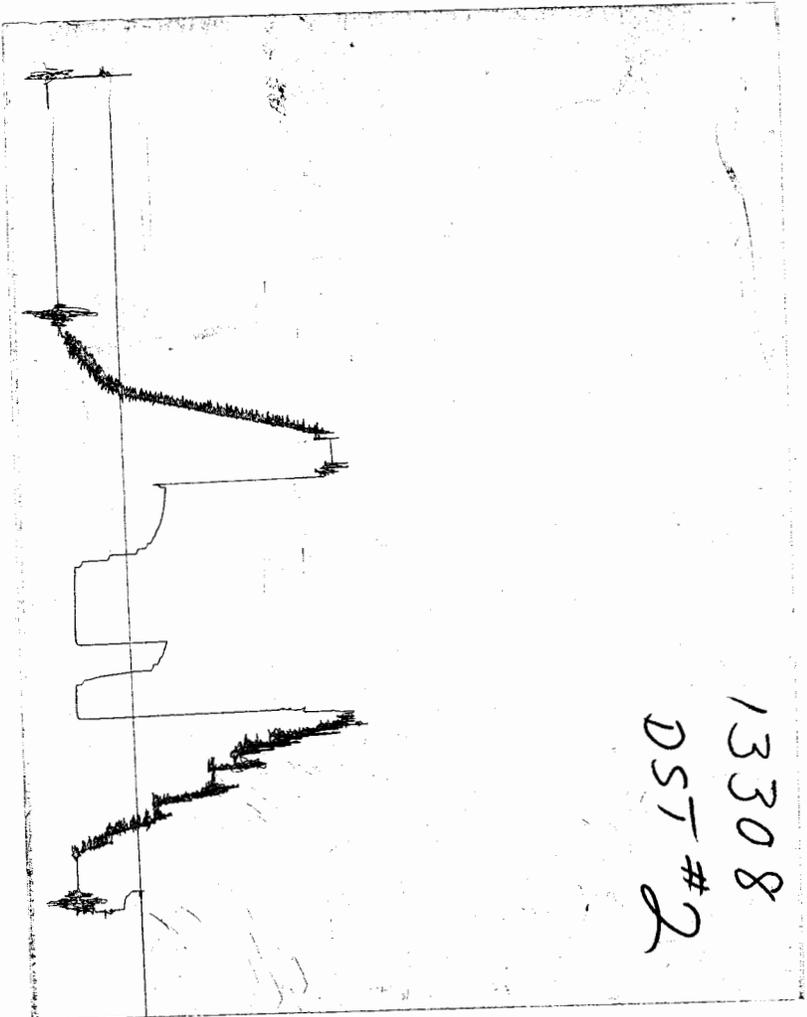
Approved By _____
 Our Representative John J. Schmitt

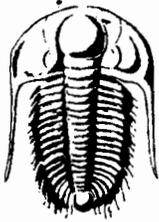
CHART PAGE

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

13308

DST #2





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

N^o 18267

05/03

Test Ticket

Well Name & No. SENESAC #1 Test No. #3 Date 2-4-04
 Company STAAB OIL CO. Zone Tested L.K.C. - F
 Address _____ Elevation 2155 KB 2149 GL
 Co. Rep / Geo. RANDY KILIAN Cont. VONFELDT #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 27 Twp. 12S Rge. 19W Co. ELLIS State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3525 TO 3548 Initial Str Wt./Lbs. 40,000 Unseated Str Wt./Lbs. 40,000
 Anchor Length 23' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 60,000
 Top Packer Depth ~~3548~~ 3520 Tool Weight 2,000
 Bottom Packer Depth 3525 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3548 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.4 LCM 0 Vis. 43 WL 8.8 Drill Pipe Size 4 1/2 X 4 Ft. Run 3513
 Blow Description IF: WEAK TO FAIR BUILT TO 4" IN. EST: DEAD
FF: WEAK BLOW BUILT TO 3" IN. FST: DEAD

Recovery - Total Feet 70 GIP - Ft. in DC - Ft. in DP 70'
 Rec. 70 Feet of S. WATER @ OIL SLUMP %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of ON TOP %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 108 °F Gravity - °API D @ - °F Corrected Gravity - °API
 RW .27 @ 60 °F Chlorides 30,000 ppm Recovery - Chlorides 4,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1754</u> PSI	<u>6741</u>	<u>B. HOLE</u>
(B) First Initial Flow Pressure		<u>12</u> PSI	(depth) <u>3530</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure		<u>27</u> PSI	Recorder No. <u>13308</u>	Jars _____
(D) Initial Shut-In Pressure		<u>862</u> PSI	(depth) <u>3545</u>	Safety Jt. _____
(E) Second Initial Flow Pressure		<u>26</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>47</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>847</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1716</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____

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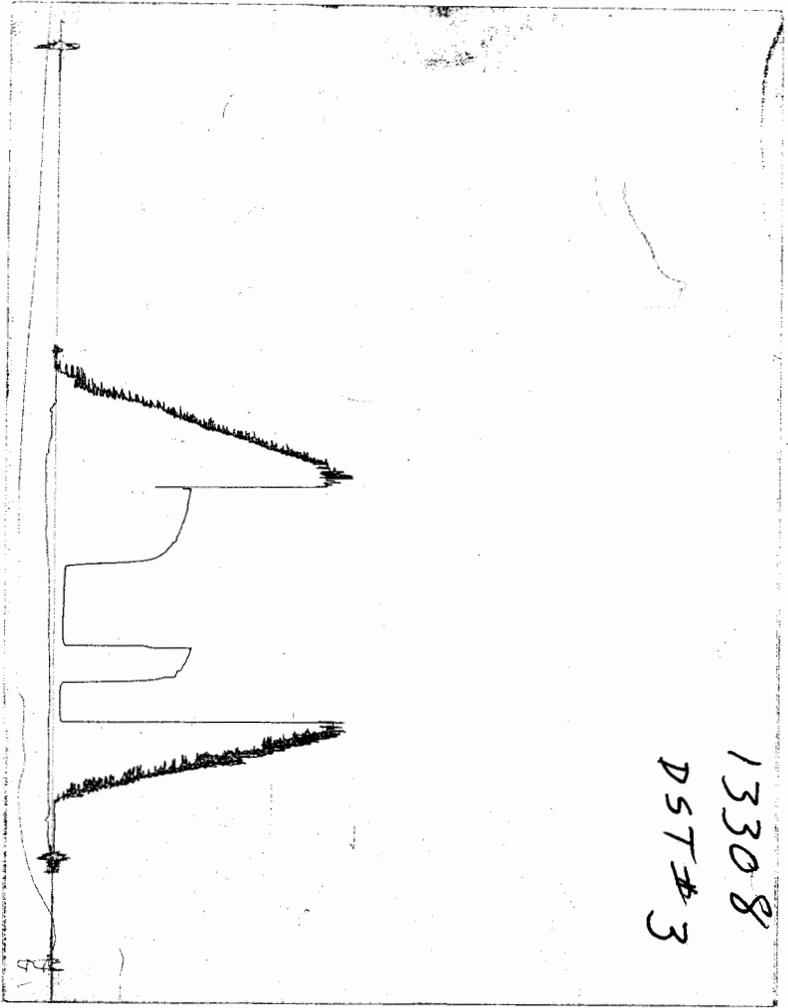
Approved By _____
 Our Representative John J. Schmidt

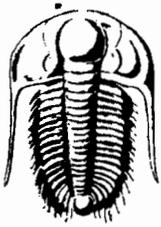
Final Flow	<u>60</u>	Shale Packer	_____
Final Shut-In	<u>60</u>	Mileage	<u>15</u>
T-On Location	<u>23:30</u>	Sub Total:	<u>875.50</u>
T-Started	<u>00:33</u>	Std. By	_____
T-Open	<u>02:22</u>	Other	_____
T-Pulled	<u>05:25</u>	Total:	_____
T-Out	<u>07:18</u>		

CHART PAGE

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

13308
DST# 3





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 18268

Test Ticket

Well Name & No. GENESAC #1 Test No. *4 Date 2-4-04
 Company STAAB OIL CO. Zone Tested L, Kc. - I4J
 Address _____ Elevation 2155 KB 2149 GL
 Co. Rep / Geo. RANDY KILIAN Cont. VONFELDT #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 27 Twp. 12S Rge. 19W Co. ELLIS State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3605 To 3650 Initial Str Wt./Lbs. 42,000 Unseated Str Wt./Lbs. 42,000
 Anchor Length 45' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 40,000
 Top Packer Depth 3600 Tool Weight 3,000
 Bottom Packer Depth 3605 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3650 Wt. Pipe Run 0 Drill Collar Run 0
 Mud Wt. 9.4 LCM 0 Vis. 60 WL 9.6 Drill Pipe Size 4 1/2 XH Ft. Run 3605
 Blow Description FF. - WEAK 1" BLOW FSI. - DEAD
FF. - WEAK SURFACE BLOW FSI. - DEAD

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>6</u>	<u>-</u>	<u>0</u>	<u>6</u>
Rec. <u>5'</u>	Feet of <u>DRILLING MUD</u>	%gas	%oil
Rec. <u>1'</u>	Feet of <u>OIL</u>	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
BHT <u>101</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____
RW <u>-</u>	@ _____ °F	Chlorides <u>-</u> ppm	Recovery <u>-</u> Chlorides <u>4,500</u> ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1770</u> PSI	<u>1770</u> PSI	<u>6741</u>	<u>B. HOLE</u>
(B) First Initial Flow Pressure	<u>11</u> PSI	<u>11</u> PSI	<u>3608</u>	Elec. Rec. <input checked="" type="checkbox"/>
(C) First Final Flow Pressure	<u>12</u> PSI	<u>12</u> PSI	<u>11084</u>	Jars _____
(D) Initial Shut-In Pressure	<u>100</u> PSI	<u>100</u> PSI	<u>3639</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>11</u> PSI	<u>11</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>12</u> PSI	<u>12</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>61</u> PSI	<u>61</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1772</u> PSI	<u>1772</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>45</u>	Shale Packer _____
			Final Shut-In <u>45</u>	Mileage <u>15</u>
			T-On Location <u>18:15</u>	Sub Total: <u>875.50</u>
			T-Started <u>18:53</u>	Std. By _____
			T-Open <u>20:15</u>	Other _____
			T-Pulled <u>22:43</u>	Total: _____
			T-Out <u>00:39</u>	

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Approved By _____
 Our Representative John J. Schmidt

