



DRILL STEM TEST REPORT

Prepared For: **Southwind Petroleum,corp.**

1400 W.14th
Wichita,Ks.67203

ATTN: Willis Nigh

1-28S-18W

Fark (L) #1-2

Start Date: 2003.02.08 @ 02:29:51

End Date: 2003.02.08 @ 09:54:21

Job Ticket #: 16616 DST #: 1

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

Southwind Petroleum,corp.
Fark (L) #1-2
1-28S-18W
DST # 1
Howard
2003.02.08



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Southwind Petroleum, corp.

Fark (L) #1-2

1400 W. 14th
Wichita, Ks. 67203

1--28S--18W

Job Ticket: 16616

DST#: 1

ATTN: Willis Nigh

Test Start: 2003.02.08 @ 02:29:51

GENERAL INFORMATION:

Formation: **Howard**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:11:21

Time Test Ended: 09:54:21

Test Type: Conventional Bottom Hole

Tester: Darren L. Amerine

Unit No: 19

Interval: **3499.00 ft (KB) To 3512.00 ft (KB) (TVD)**

Reference Elevations: 2197.00 ft (KB)

Total Depth: 3512.00 ft (KB) (TVD)

2192.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 2346 Inside

Press@RunDepth: 54.35 psig @ 3500.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2003.02.08 End Date: 2003.02.08

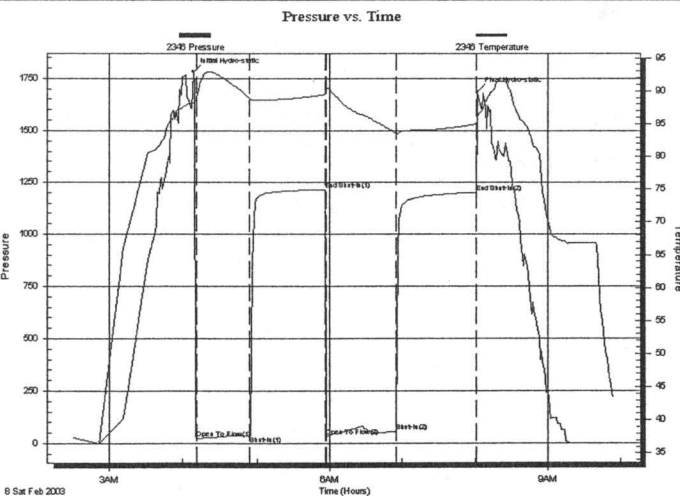
Last Calib.: 2003.02.08

Start Time: 02:30:53 End Time: 09:54:21

Time On Btm: 2003.02.08 @ 04:08:51

Time Off Btm: 2003.02.08 @ 08:02:21

TEST COMMENT: IF: Strong blow b.o.b of diesel GTS in 14 mins. gauge gas.
IS: Bled down n for 5 mins. no blow back.
FF: Strong blow b.o.b in 10 sec. gauge gas.
FS: Bled down n for 5 mins no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1782.50	88.25	Initial Hydro-static
3	24.19	88.56	Open To Flow (1)
45	38.11	89.00	Shut-In(1)
107	1214.19	89.46	End Shut-In(1)
109	33.26	90.14	Open To Flow (2)
166	54.35	83.62	Shut-In(2)
233	1200.75	84.98	End Shut-In(2)
234	1686.99	86.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3292.00	01 - Gas	43.92
192.00	SGCM	2.69

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	5.00	71.07
Last Gas Rate	0.38	12.00	96.71
Max. Gas Rate	0.38	17.00	115.03



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Southw ind Petroleum,corp.
1400 W.14th
Wichita,Ks.67203
ATTN: Willis Nigh

Fark {L} #1-2
1-28S-18W
Job Ticket: 16616 **DST#: 1**
Test Start: 2003.02.08 @ 02:29:51

Tool Information

Drill Pipe:	Length: 3236.77 ft	Diameter: 3.80 inches	Volume: 45.40 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: 25000.00 lb
Drill Collar:	Length: 248.23 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 46.62 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3499.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 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

C.O. Sub	1.00			3471.00	
S.I. Tool	5.00			3476.00	
HMV	5.00			3481.00	
Jars	5.00			3486.00	
Safety Joint	3.00			3489.00	
Packer	5.00			3494.00	29.00 Bottom Of Top Packer
Packer	5.00			3499.00	
Stubb	1.00			3500.00	
Recorder	0.00	2346	Inside	3500.00	
Anchor	9.00			3509.00	
Recorder	0.00	10991	Outside	3509.00	
Bullnose	3.00			3512.00	13.00 Bottom Packers & Anchor

Total Tool Length: 42.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Southwind Petroleum, corp.

Fark (L) #1-2

1400 W.14th
Wichita, Ks. 67203

1-28S-18W

Job Ticket: 16616

DST#: 1

ATTN: Willis Nigh

Test Start: 2003.02.08 @ 02:29:51

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 13.54 in³

Gas Cushion Type:

Resistivity: 1.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
3292.00	01 - Gas	43.917
192.00	SGCM	2.693

Total Length: 3484.00 ft

Total Volume: 46.610 bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Southwind Petroleum, corp.

Fark (L) #1-2

1400 W.14th
Wichita, Ks. 67203

1-28S-18W

Job Ticket: 16616

DST#: 1

ATTN: Willis Nigh

Test Start: 2003.02.08 @ 02:29:51

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	24	0.38	5.00	71.07
1	34	0.38	6.00	74.73
1	44	0.38	6.00	74.73
2	10	0.38	10.00	89.38
2	20	0.38	14.00	104.04
2	30	0.38	17.00	115.03
2	40	0.38	10.00	89.38
2	50	0.38	11.00	93.05
2	60	0.38	12.00	96.71

DST Test Number: 1

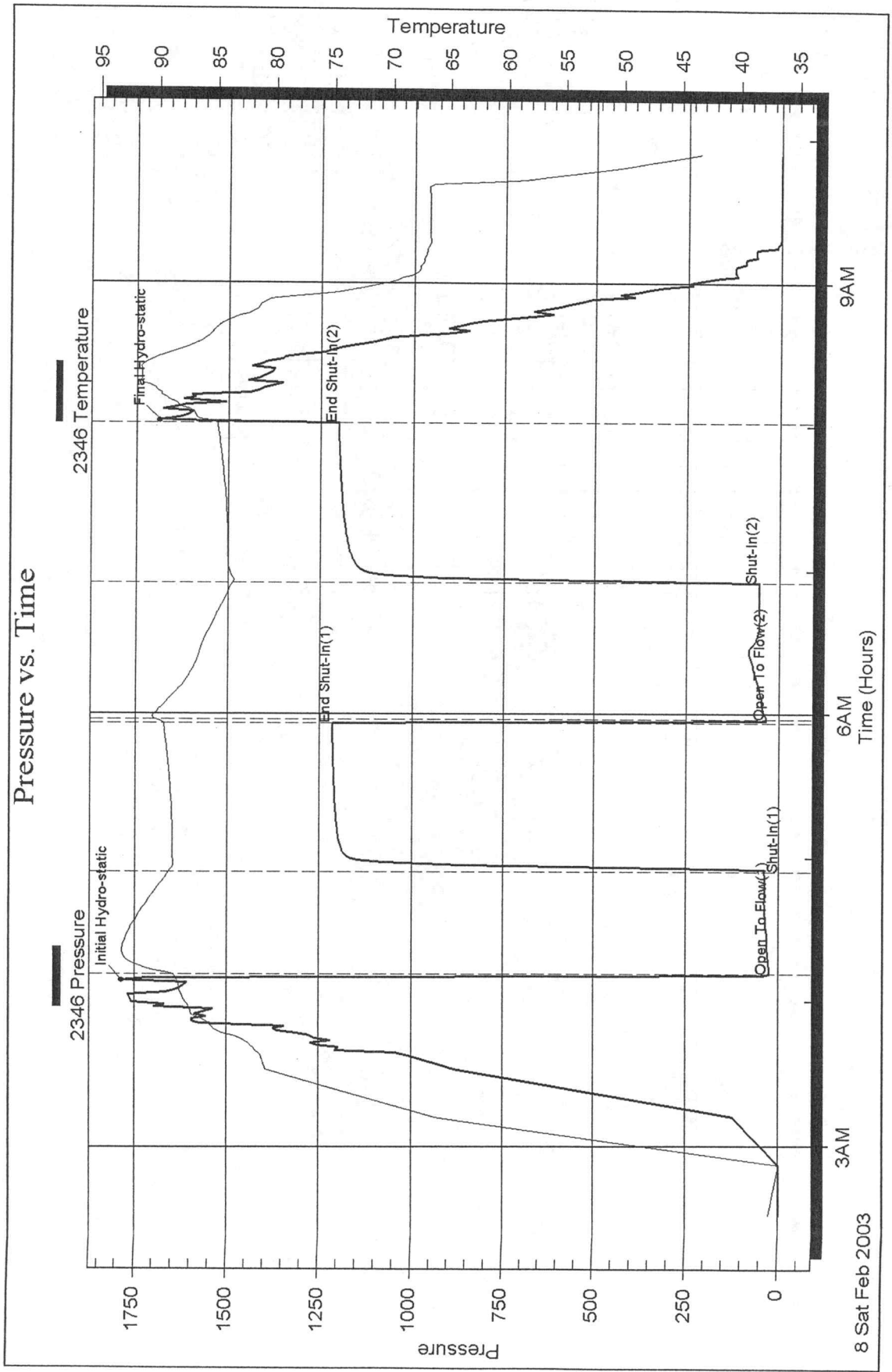
1--28S--18W

Southwind Petroleum, Corp.

Inside

Serial #: 2346

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 16616

Printed: 2003.02.19 @ 09:12:12 Page 6



DRILL STEM TEST REPORT

Prepared For: **Southwind Petroleum,corp.**

1400 W.14th
Wichita,Ks.67203

ATTN: Willis Nigh

1--28S--18W

Fark {L} #1-2

Start Date: 2003.02.09 @ 16:21:06

End Date: 2003.02.09 @ 23:23:36

Job Ticket #: 16617 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

Southwind Petroleum, corp.

Fark (L) #1-2

1400 W.14th
Wichita, Ks. 67203

1--2S--18W

Job Ticket: 16617

DST#: 2

ATTN: Willis Nigh

Test Start: 2003.02.09 @ 16:21:06

GENERAL INFORMATION:

Formation: **Lansing "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:05:36

Time Test Ended: 23:23:36

Test Type: Conventional Bottom Hole

Tester: Darren L. Amerine

Unit No: 19

Interval: **4166.00 ft (KB) To 4181.00 ft (KB) (TVD)**

Reference Elevations: 2197.00 ft (KB)

Total Depth: 4181.00 ft (KB) (TVD)

2192.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 2346 Inside

Press@RunDepth: 90.34 psig @ 4167.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2003.02.09 End Date: 2003.02.09

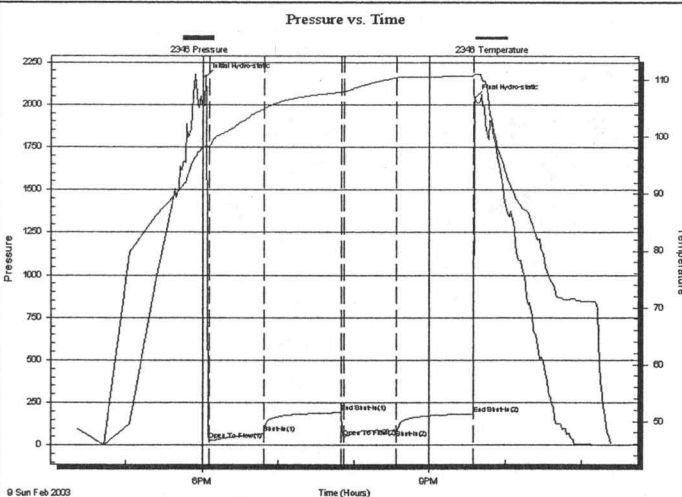
Last Calib.: 2003.02.09

Start Time: 16:22:08 End Time: 23:23:36

Time On Btm: 2003.02.09 @ 18:02:36

Time Off Btm: 2003.02.09 @ 21:35:36

TEST COMMENT: IF: Strong blow b.o.b in 45 sec.
IS: Bled down for 5 mins. slight surface blow back.
FF: Strong blow b.o.b in 10 sec. GTS in 10 mins. gauge gas.
FS: Bled down for 5 mins. no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2165.08	98.29	Initial Hydro-static
3	27.84	98.17	Open To Flow (1)
46	68.13	105.02	Shut-In (1)
108	192.34	107.87	End Shut-In (1)
110	47.50	108.04	Open To Flow (2)
151	90.34	110.46	Shut-In (2)
212	185.43	110.83	End Shut-In (2)
213	2039.27	111.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3967.00	01 - Gas	53.39
197.00	G&WCM	2.76

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Southwind Petroleum, corp.

Fark (L) #1-2

1400 W.14th
Wichita, Ks. 67203

1--28S--18W

Job Ticket: 16617

DST#: 2

ATTN: Willis Nigh

Test Start: 2003.02.09 @ 16:21:06

Tool Information

Drill Pipe:	Length: 3916.77 ft	Diameter: 3.80 inches	Volume: 54.94 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: 248.23 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 56.16 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4166.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	15.00 ft				
Tool Length:	44.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4138.00	
S.I. Tool	5.00			4143.00	
HMV	5.00			4148.00	
Jars	5.00			4153.00	
Safety Joint	3.00			4156.00	
Packer	5.00			4161.00	29.00 Bottom Of Top Packer
Packer	5.00			4166.00	
Stubb	1.00			4167.00	
Recorder	0.00	2346	Inside	4167.00	
Anchor	11.00			4178.00	
Recorder	0.00	10991	Outside	4178.00	
Bullnose	3.00			4181.00	15.00 Bottom Packers & Anchor

Total Tool Length: 44.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Southwind Petroleum, corp.

Fark (L) #1-2

1400 W.14th
Wichita, Ks. 67203

1--28S--18W

Job Ticket: 16617

DST#: 2

ATTN: Willis Nigh

Test Start: 2003.02.09 @ 16:21:06

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:

85000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.98 in³

Gas Cushion Type:

Resistivity: 1.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
3967.00	01 - Gas	53.385
197.00	G&WCM	2.763

Total Length: 4164.00 ft Total Volume: 56.148 bbl

Num Fluid Samples: 1

Num Gas Bombs: 2

Serial #: 002

Laboratory Name:

Laboratory Location:

Recovery Comments: .09 @ 70'

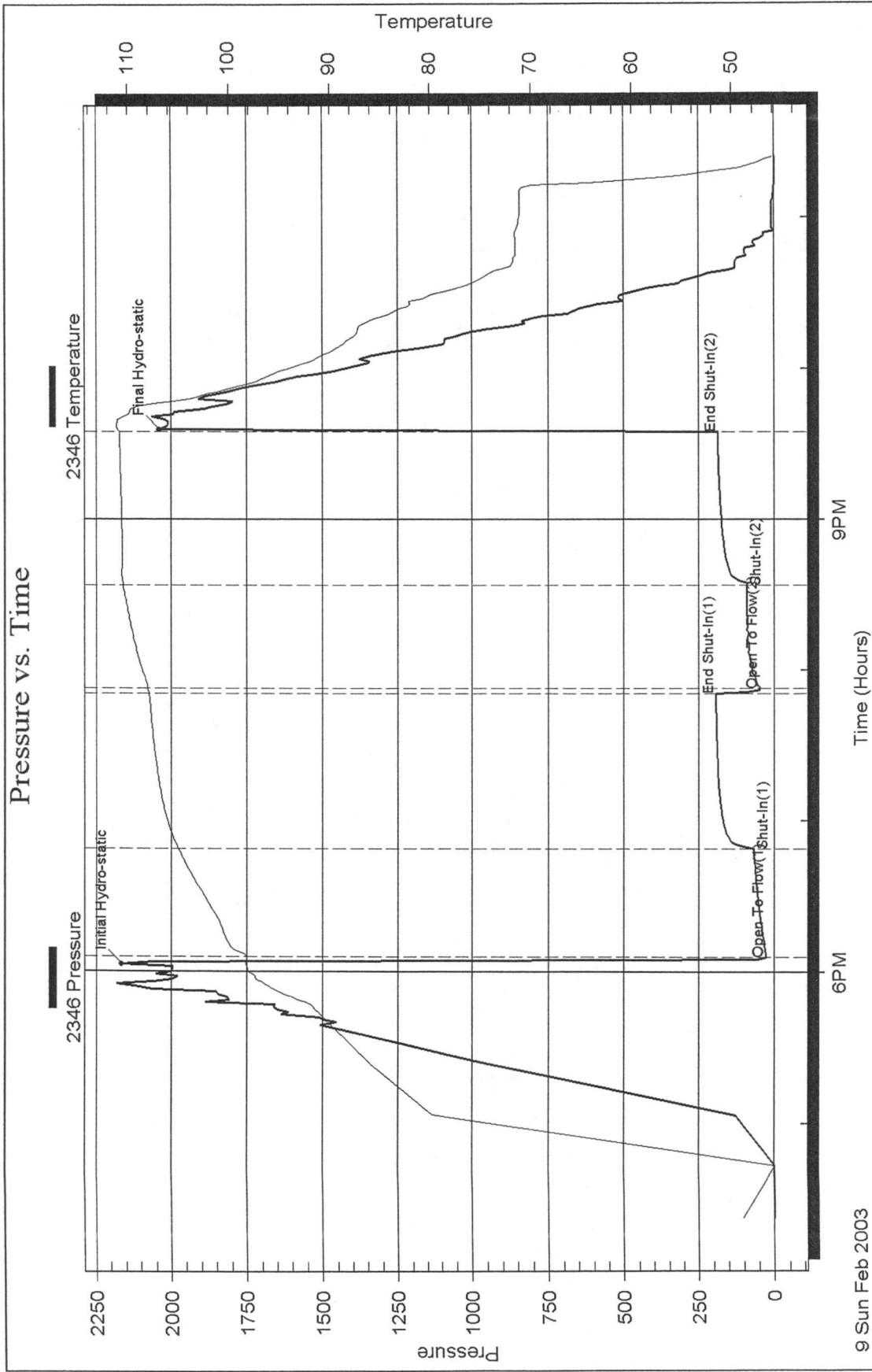
Serial #: 2346

Inside

Southw ind Petroleum,corp.

1--28S--18W

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Southwind Petroleum,corp.**

1400 W.14th
Wichita,Ks.67203

ATTN: Willis Nigh

1--28S--18W

Fark {L} #1-2

Start Date: 2003.02.10 @ 10:07:48

End Date: 2003.02.10 @ 17:39:18

Job Ticket #: 16618 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Southwind Petroleum,corp.

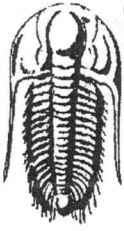
Fark {L} #1-2

1--28S--18W

DST # 3

Lansing (B)

2003.02.10



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Southwind Petroleum, corp.
1400 W.14th
Wichita, Ks. 67203
ATTN: Willis Nigh

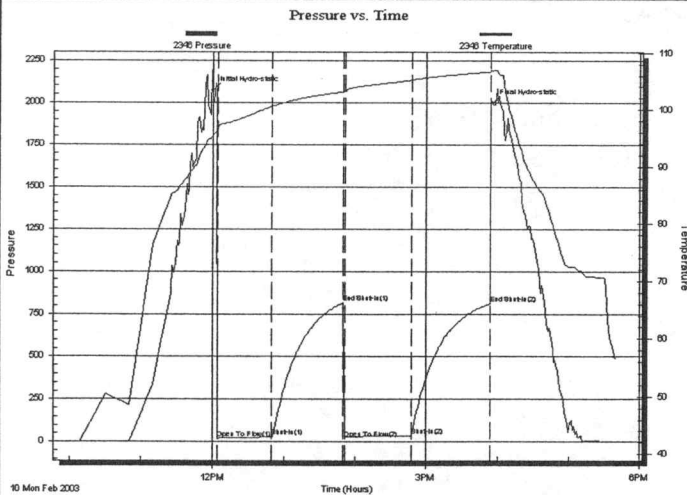
Fark (L) #1-2
1-28S-18W
Job Ticket: 16618 **DST#: 3**
Test Start: 2003.02.10 @ 10:07:48

GENERAL INFORMATION:

Formation: **Lansing (B)**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:04:18
Time Test Ended: 17:39:18
Interval: **4193.00 ft (KB) To 4216.00 ft (KB) (TVD)**
Total Depth: 4193.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Darren L. Amerine
Unit No: 19
Reference Elevations: 2197.00 ft (KB)
2192.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 2346 **Inside**
Press@RunDepth: 36.29 psig @ 4194.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2003.02.10 End Date: 2003.02.10 Last Calib.: 2003.02.10
Start Time: 10:08:50 End Time: 17:39:18 Time On Btm: 2003.02.10 @ 11:59:48
Time Off Btm: 2003.02.10 @ 15:55:18

TEST COMMENT: IF: Fair blow built to b.o.b in 5 mins.
IS: Bled down for 5 mins. no blow back.
FF: Strong blow b.o.b in 15 sec.
FS: Bled down for 15 mins. no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2071.62	95.34	Initial Hydro-static
5	20.79	96.47	Open To Flow (1)
50	28.82	100.64	Shut-In (1)
111	815.75	103.15	End Shut-In (1)
112	18.89	103.21	Open To Flow (2)
168	36.29	105.25	Shut-In (2)
234	809.54	106.69	End Shut-In (2)
236	2001.94	106.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	2400' GIP	0.00
65.00	SGCM	0.32

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Southwind Petroleum, corp.

Fark (L) #1-2

1400 W.14th
Wichita, Ks. 67203

1--28S--18W

Job Ticket: 16618

DST#: 3

ATTN: Willis Nigh

Test Start: 2003.02.10 @ 10:07:48

Tool Information

Drill Pipe:	Length: 3955.77 ft	Diameter: 3.80 inches	Volume: 55.49 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: 238.23 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 56.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4193.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 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
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C.O. Sub	1.00			4165.00	
S.I. Tool	5.00			4170.00	
HMV	5.00			4175.00	
Jars	5.00			4180.00	
Safety Joint	3.00			4183.00	
Packer	5.00			4188.00	29.00 Bottom Of Top Packer
Packer	5.00			4193.00	
Stubb	1.00			4194.00	
Recorder	0.00	2346	Inside	4194.00	
Anchor	19.00			4213.00	
Recorder	0.00	10991	Outside	4213.00	
Bullnose	3.00			4216.00	23.00 Bottom Packers & Anchor

Total Tool Length: 52.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Southwind Petroleum,corp.

Fark (L) #1-2

1400 W.14th
Wichita,Ks.67203

1--28S--18W

Job Ticket: 16618

DST#: 3

ATTN: Willis Nigh

Test Start: 2003.02.10 @ 10:07:48

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:	ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.99 in ³	Gas Cushion Type:		
Resistivity: 0.90 ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: 0.32 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	2400' GIP	0.000
65.00	SGCM	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 2346

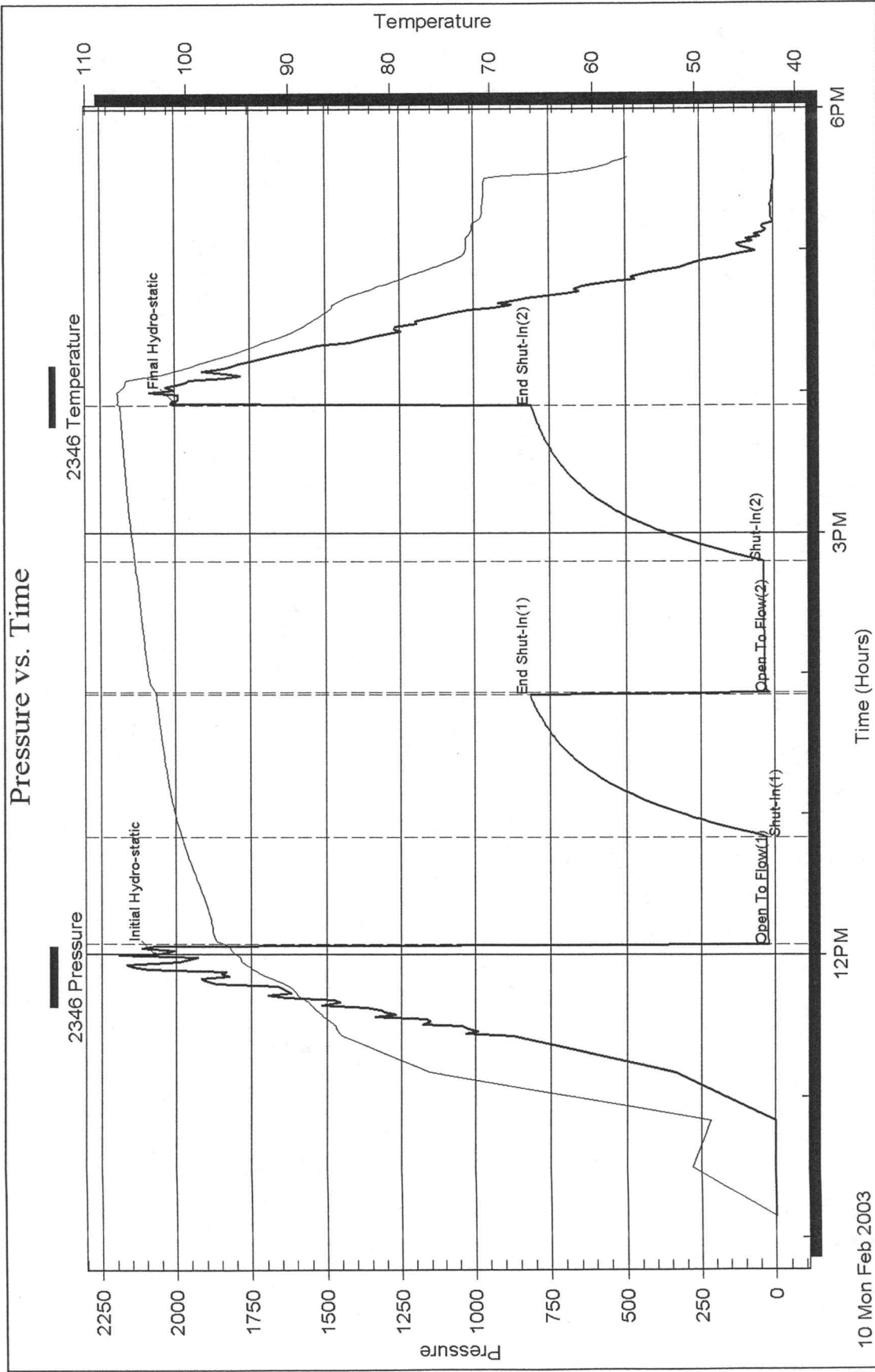
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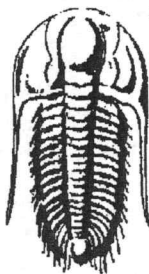
Southwind Petroleum, Corp.

1--28S--18W

DST Test Number: 3

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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1400 W.14th
Wichita,Ks.67203

ATTN: Willis Nigh

1-28S--18W

Fark {L} #1-2

Start Date: 2003.02.11 @ 06:56:02

End Date: 2003.02.11 @ 14:38:32

Job Ticket #: 16619 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Southwind Petroleum, corp.

Fark (L) #1-2

1400 W.14th
Wichita, Ks. 67203

1-28S-18W

ATTN: Willis Nigh

Job Ticket: 16619

DST#: 4

Test Start: 2003.02.11 @ 06:56:02

GENERAL INFORMATION:

Formation: **Drum**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:59:02

Time Test Ended: 14:38:32

Test Type: Conventional Bottom Hole

Tester: Darren L. Amerine

Unit No: 19

Interval: **4320.00 ft (KB) To 4345.00 ft (KB) (TVD)**

Reference Elevations: 2197.00 ft (KB)

Total Depth: 4345.00 ft (KB) (TVD)

2192.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: **2346**

Inside

Press@RunDepth: 60.56 psig @ 4321.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2003.02.11

End Date:

2003.02.11

Last Calib.: 2003.02.11

Start Time: 06:57:04

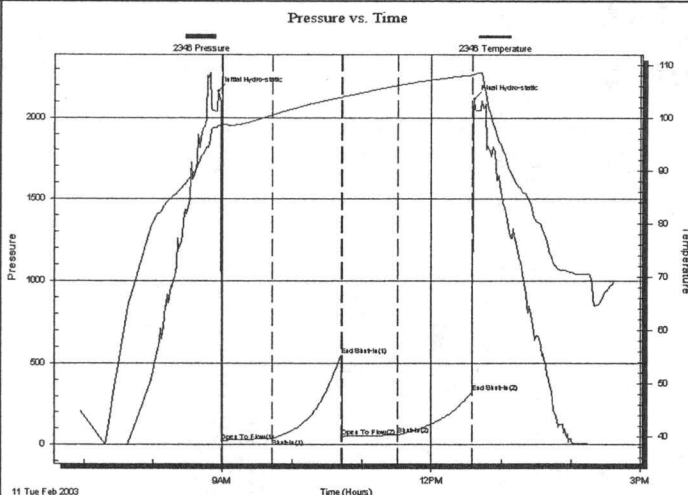
End Time:

14:38:32

Time On Btm: 2003.02.11 @ 08:56:02

Time Off Btm: 2003.02.11 @ 12:36:32

TEST COMMENT: IF: Weak blow built to 3" in H2O bucket.
IS: Bled down for 5 mins. no blow back.
FF: Weak blow built to 2" in H2O bucket.
FS: Bled down for 2 mins. no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2162.66	98.56	Initial Hydro-static
3	20.95	98.84	Open To Flow (1)
47	38.89	100.62	Shut-In(1)
107	545.50	103.96	End Shut-In(1)
108	49.69	104.10	Open To Flow (2)
156	60.56	106.23	Shut-In(2)
219	322.68	108.21	End Shut-In(2)
221	2113.37	108.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	90' GIP	0.00
90.00	103 - Gas and Oil cut Mud	0.44

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Southwind Petroleum, corp.

Fark (L) #1-2

1400 W.14th
Wichita, Ks. 67203

1-28S-18W

Job Ticket: 16619

DST#: 4

ATTN: Willis Nigh

Test Start: 2003.02.11 @ 06:56:02

Tool Information

Drill Pipe:	Length: 4072.77 ft	Diameter: 3.80 inches	Volume: 57.13 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: 248.23 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 58.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4320.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4292.00	
S.I. Tool	5.00			4297.00	
HMV	5.00			4302.00	
Jars	5.00			4307.00	
Safety Joint	3.00			4310.00	
Packer	5.00			4315.00	29.00 Bottom Of Top Packer
Packer	5.00			4320.00	
Stubb	1.00			4321.00	
Recorder	0.00	2346	Inside	4321.00	
Anchor	21.00			4342.00	
Recorder	0.00	10991	Outside	4342.00	
Bullnose	3.00			4345.00	25.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Southwind Petroleum, corp.

Fark (L) #1-2

1400 W.14th
Wichita, Ks. 67203

1-28S-18W

Job Ticket: 16619

DST#: 4

ATTN: Willis Nigh

Test Start: 2003.02.11 @ 06:56:02

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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.38 in ³	Gas Cushion Type:		
Resistivity: 0.60 ohm.m	Gas Cushion Pressure: psig		
Salinity: 9000.00 ppm			
Filter Cake: 0.32 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	90' GIP	0.000
90.00	103 - Gas and Oil cut Mud	0.443

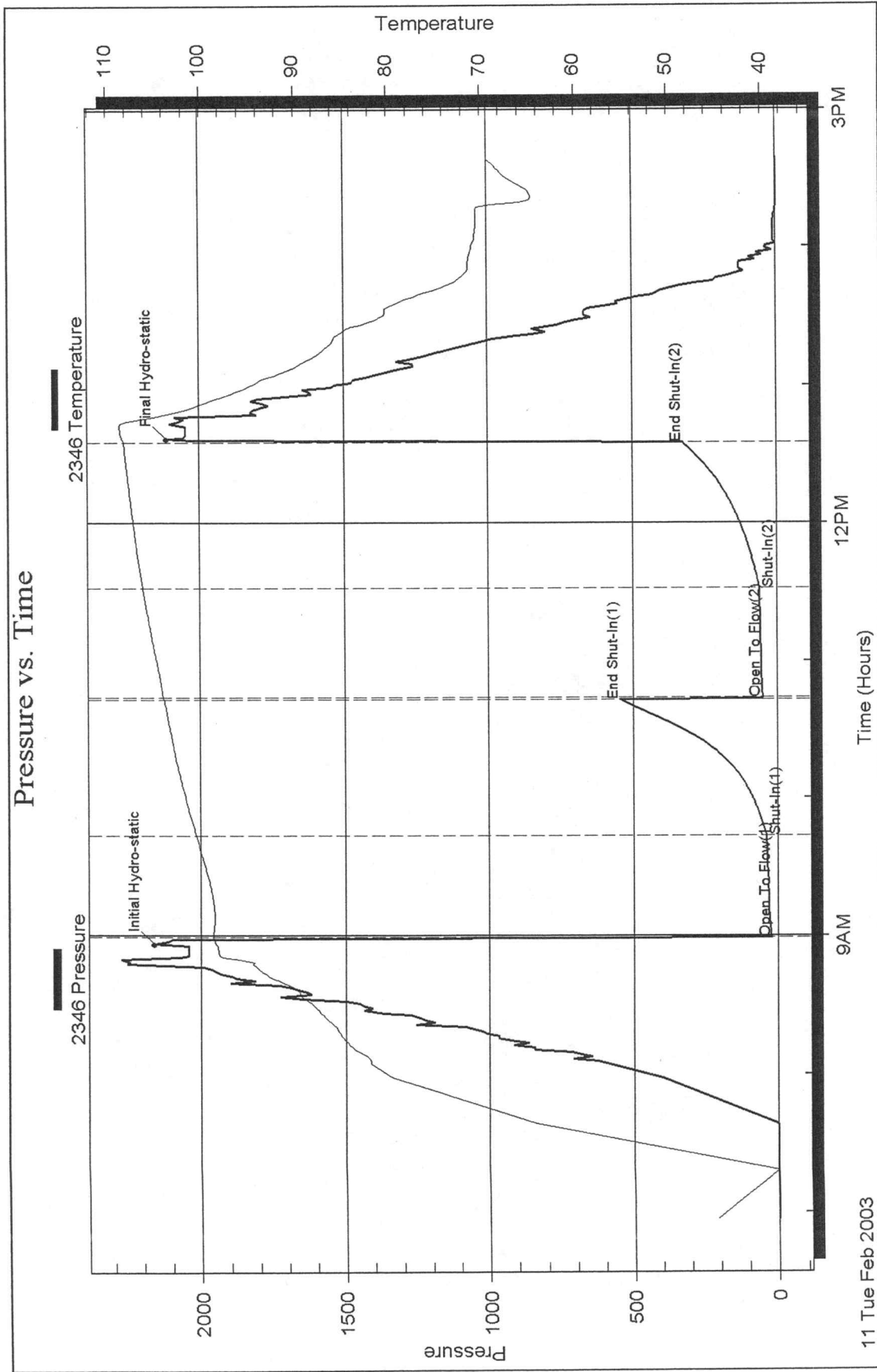
Total Length: 90.00 ft Total Volume: 0.443 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time



11 Tue Feb 2003



DRILL STEM TEST REPORT

Prepared For: **Southwind Petroleum,corp.**

1400 W.14th
Wichita,Ks.67203

ATTN: Willis Nigh

1--28S--18W

Fark {L} #1-2

Start Date: 2003.02.13 @ 00:17:51

End Date: 2003.02.13 @ 08:25:21

Job Ticket #: 16620 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Southwind Petroleum,corp.

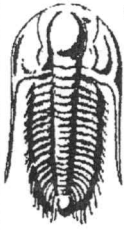
Fark {L} #1-2

1--28S--18W

DST # 5

Miss.

2003.02.13



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Southwind Petroleum, corp.

Fark (L) #1-2

1400 W.14th
Wichita, Ks. 67203

1-28S-18W

Job Ticket: 16620

DST#: 5

ATTN: Willis Nigh

Test Start: 2003.02.13 @ 00:17:51

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:35:21

Time Test Ended: 08:25:21

Test Type: Conventional Bottom Hole

Tester: Darren L. Amerine

Unit No: 19

Interval: **4711.00 ft (KB) To 4788.00 ft (KB) (TVD)**

Reference Elevations: 2197.00 ft (KB)

Total Depth: 4788.00 ft (KB) (TVD)

2192.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 2346

Inside

Press@RunDepth: 92.75 psig @ 4721.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2003.02.13

End Date: 2003.02.13

Last Calib.: 2003.02.13

Start Time: 00:18:53

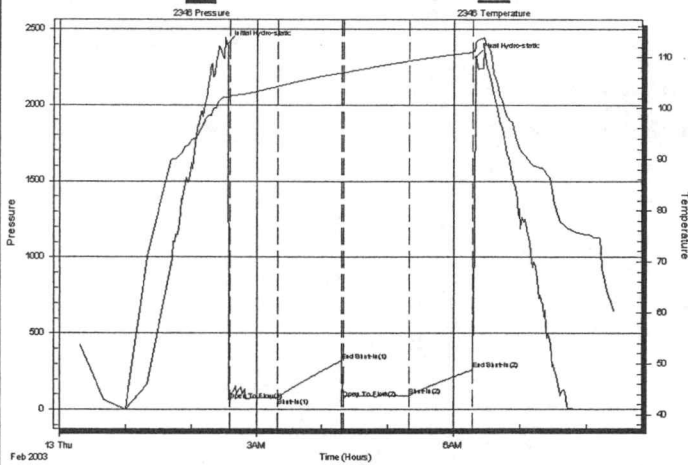
End Time: 08:25:21

Time On Btm: 2003.02.13 @ 02:32:51

Time Off Btm: 2003.02.13 @ 06:19:51

TEST COMMENT: IF: Fair blow built to 11" in H2O bucket.
IS: Bled down n for 5 mins. no blow back.
FF: Fair blow b.o.b in 30 mins.
FS: Bled down n for 5 mins. no blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2400.06	102.08	Initial Hydro-static
3	59.68	102.29	Open To Flow (1)
46	79.83	104.24	Shut-In(1)
105	319.99	106.93	End Shut-In(1)
107	72.04	107.03	Open To Flow (2)
167	92.75	109.27	Shut-In(2)
225	261.84	111.00	End Shut-In(2)
227	2311.80	112.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
430.00	01 - Gas	3.77
125.00	01 - Gas	1.75

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Southwind Petroleum, corp.

Fark (L) #1-2

1400 W. 14th
Wichita, Ks. 67203

1-28S-18W

Job Ticket: 16620

DST#: 5

ATTN: Willis Nigh

Test Start: 2003.02.13 @ 00:17:51

Tool Information

Drill Pipe:	Length: 4445.77 ft	Diameter: 3.80 inches	Volume: 62.36 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: 248.23 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 75000.00 lb
			Total Volume: 63.58 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4711.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	77.00 ft			
Tool Length:	106.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4683.00	
S.I. Tool	5.00			4688.00	
HMV	5.00			4693.00	
Jars	5.00			4698.00	
Safety Joint	3.00			4701.00	
Packer	5.00			4706.00	29.00 Bottom Of Top Packer
Packer	5.00			4711.00	
Stubb	1.00			4712.00	
Anchor	9.00			4721.00	
Recorder	0.00	2346	Inside	4721.00	
Blank Spacing	64.00			4785.00	
Recorder	0.00	10991	Outside	4785.00	
Bullnose	3.00			4788.00	77.00 Bottom Packers & Anchor

Total Tool Length: 106.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Southwind Petroleum, corp.

Fark (L) #1-2

1400 W.14th
Wichita, Ks. 67203

1-28S-18W

Job Ticket: 16620

DST#: 5

ATTN: Willis Nigh

Test Start: 2003.02.13 @ 00:17:51

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.78 in³

Gas Cushion Type:

Resistivity: 1.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
430.00	01 - Gas	3.771
125.00	01 - Gas	1.753

Total Length: 555.00 ft

Total Volume: 5.524 bbl

Num Fluid Samples: 0

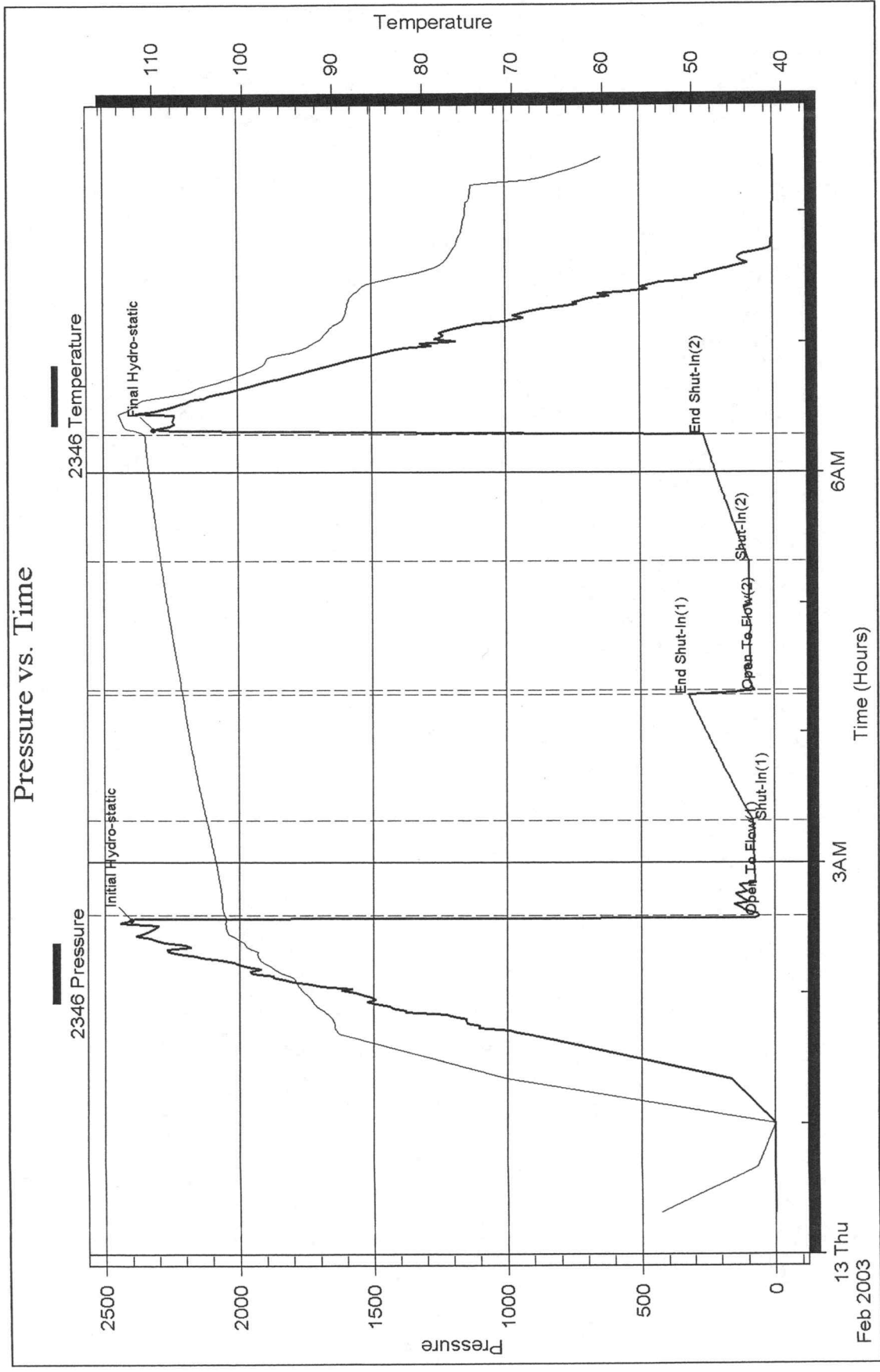
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Southwind Petroleum,corp.**

1400 W.14th
Wichita,Ks.67203

ATTN: Willis Nigh

1--28S--18W

Fark {L} #1-2

Start Date: 2003.02.13 @ 16:00:19

End Date: 2003.02.13 @ 23:22:19

Job Ticket #: 16621 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Southwind Petroleum,corp.

Fark {L} #1-2

1--28S--18W

DST # 6

Kinderhook

2003.02.13



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Southwind Petroleum, corp.
 1400 W.14th
 Wichita, Ks. 67203
 ATTN: Willis Nigh

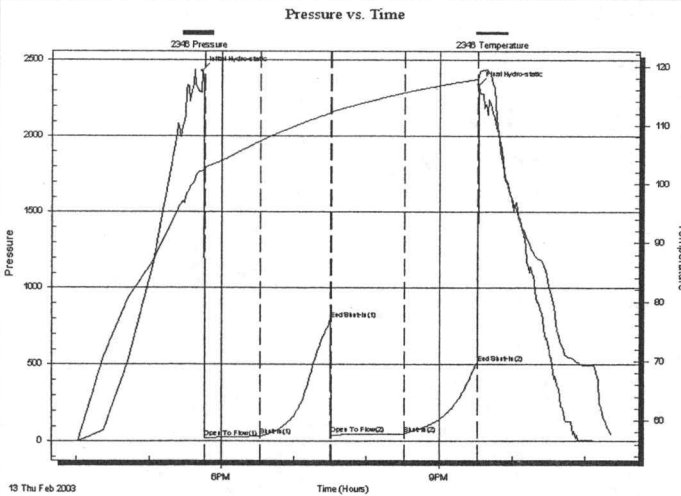
Fark (L) #1-2
1-28S-18W
 Job Ticket: 16621 **DST#: 6**
 Test Start: 2003.02.13 @ 16:00:19

GENERAL INFORMATION:

Formation: **Kinderhook**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:46:19
 Time Test Ended: 23:22:19
 Interval: **4795.00 ft (KB) To 4807.00 ft (KB) (TVD)**
 Total Depth: 4807.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Darren L. Amerine
 Unit No: 19
 Reference Elevations: 2197.00 ft (KB)
 2192.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 2346 Inside
 Press@RunDepth: 49.43 psig @ 4796.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2003.02.13 End Date: 2003.02.13 Last Calib.: 2003.02.13
 Start Time: 16:01:21 End Time: 23:22:19 Time On Btm: 2003.02.13 @ 17:43:49
 Time Off Btm: 2003.02.13 @ 21:31:49

TEST COMMENT: IF: Weak blow built to 2-1/2" in H2O bucket.
 IS: Bled down for 4 mins. no blow back.
 FF: Weak surface blow built to 1-1/2" in H2O bucket.
 FS: Bled down for 2 mins. no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2431.79	102.28	Initial Hydro-static
3	21.41	102.55	Open To Flow (1)
49	31.68	107.32	Shut-In(1)
107	792.88	112.09	End Shut-In(1)
108	43.94	112.14	Open To Flow (2)
167	49.43	115.50	Shut-In(2)
227	509.39	117.83	End Shut-In(2)
228	2338.78	118.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	VSGCM	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Southwind Petroleum, corp.

Fark (L) #1-2

1400 W. 14th
Wichita, Ks. 67203

1--28S--18W

Job Ticket: 16621

DST#: 6

ATTN: Willis Nigh

Test Start: 2003.02.13 @ 16:00:19

Tool Information

Drill Pipe:	Length: 4537.77 ft	Diameter: 3.80 inches	Volume: 63.65 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: 248.23 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 85000.00 lb
		Total Volume: 64.87 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4795.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 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
C.O. Sub	1.00			4767.00	
S.I. Tool	5.00			4772.00	
HMV	5.00			4777.00	
Jars	5.00			4782.00	
Safety Joint	3.00			4785.00	
Packer	5.00			4790.00	29.00 Bottom Of Top Packer
Packer	5.00			4795.00	
Stubb	1.00			4796.00	
Recorder	0.00	2346	Inside	4796.00	
Anchor	8.00			4804.00	
Recorder	0.00	10991	Outside	4804.00	
Bullnose	3.00			4807.00	12.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Southwind Petroleum, corp.

Fark (L) #1-2

1400 W.14th
Wichita, Ks. 67203

1--28S--18W

Job Ticket: 16621

DST#: 6

ATTN: Willis Nigh

Test Start: 2003.02.13 @ 16:00:19

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:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.00 in ³	Gas Cushion Type:		
Resistivity: 1.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 0.32 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	VSGCM	0.295

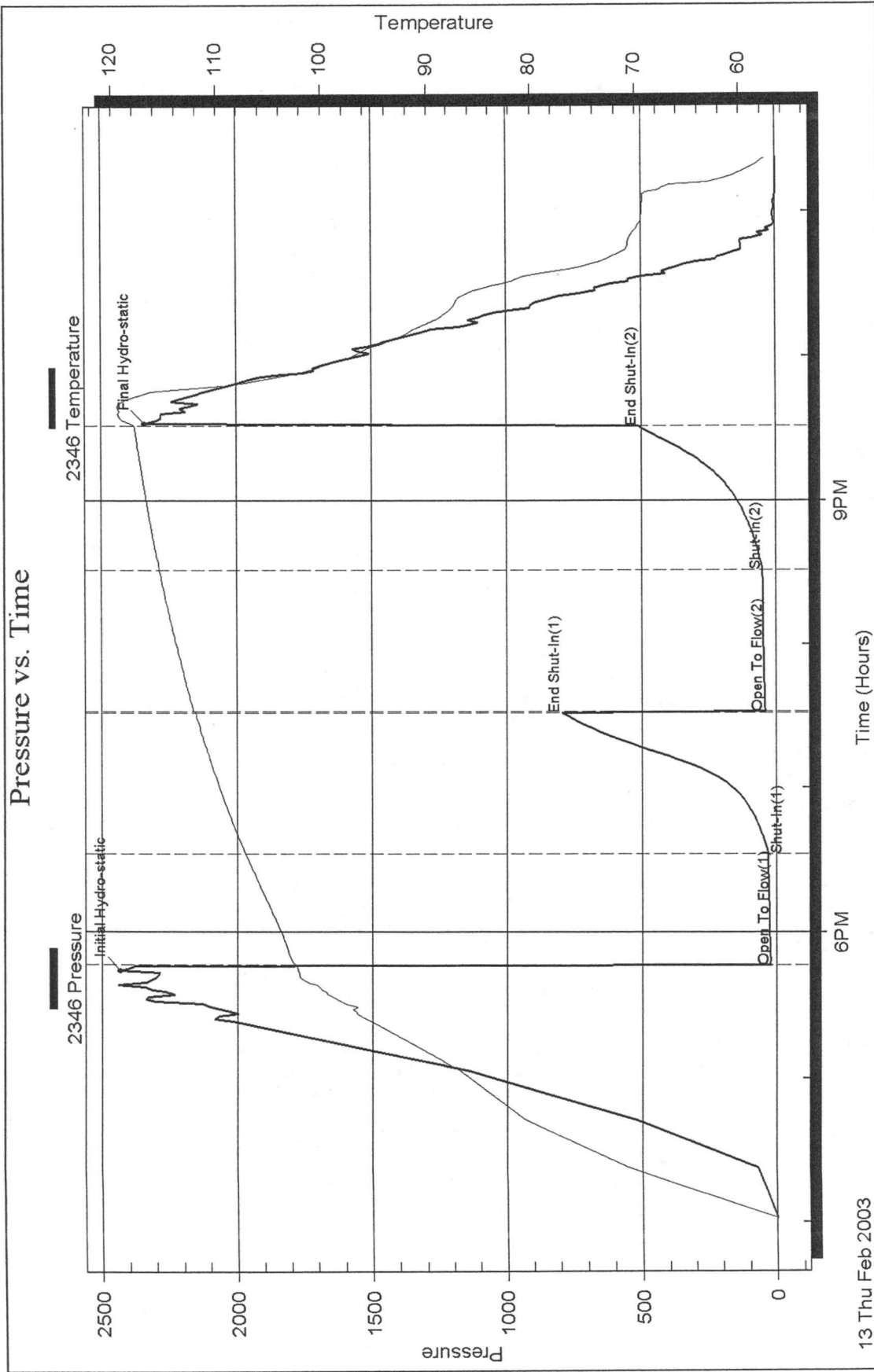
Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time



13 Thu Feb 2003

9PM

6PM