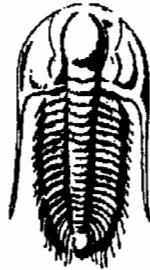


15-097-21526

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Roberts Resources, inc.**

520 S. Holland suite 207

ORIGINAL

ATTN: Kent Roberts

8-21S-18W

#2 Schmidt

Start Date: 2003.11.03 @ 18:14:27

End Date: 2003.11.04 @ 01:45:12

Job Ticket #: 17928

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Roberts Resources, inc.

#2 Schmidt

8-21S-18W
203

DST # 1

Miss.

2003.11.03



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Roberts Resources, inc.

520 S.Holland suite 207
Wichita, Ks. 67209

ATTN: Kent Roberts

#2 Schmidt

8-21S-18W

Job Ticket: 17928

DST#: 1

Test Start: 2003.11.03 @ 18:14:27

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 21:17:27

Time Test Ended: 01:45:12

Interval: **4937.00 ft (KB) To 4959.00 ft (KB) (TVD)**

Total Depth: **4959.00 ft (KB) (TVD)**

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

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KCC WICHITA**

Test Type: **Conventional Bottom Hole**

Tester: **Darren L. Amerine**

Unit No: **19**

Reference Elevations: **2292.00 ft (KB)**

2281.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 2346

Inside

Press@RunDepth: **17.62 psig @ 4939.00 ft (KB)**

Start Date: **2003.11.03**

End Date:

2003.11.04

Capacity: **7000.00 psig**

Last Calib.: **2003.11.04**

Start Time: **18:14:29**

End Time:

01:45:12

Time On Btmr: **2003.11.03 @ 21:17:12**

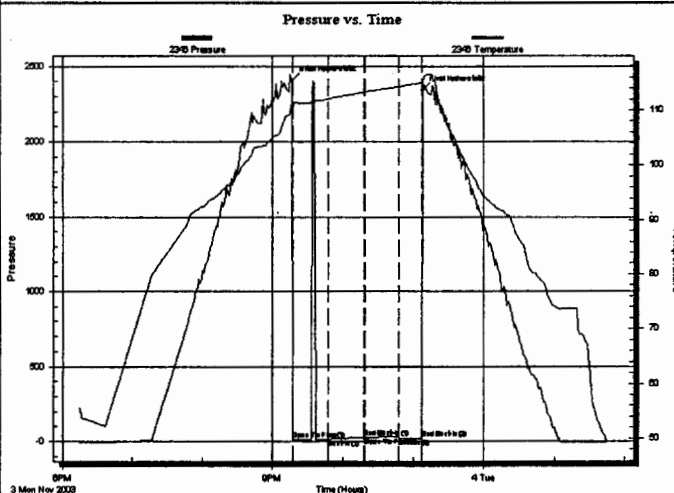
Time Off Btmr: **2003.11.03 @ 23:07:42**

TEST COMMENT: IF: Weak surface blow wait 15 mins. flush tool built back to 1/4"

IS: No blow back.

FF: No blow.

FS: No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2407.95	111.04	Initial Hydro-static
1	11.29	110.05	Open To Flow (1)
31	14.30	112.01	Shut-In(1)
61	27.80	113.19	End Shut-In(1)
62	25.77	113.25	Open To Flow (2)
91	17.62	114.23	Shut-In(2)
110	21.57	114.86	End Shut-In(2)
111	2342.73	114.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
	Drilling mud	

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Roberts Resources, inc.

#2 Schmidt

520 S.Holland suite 207
Wichita, Ks. 67209

8-21S-18W

Job Ticket: 17928

DST#: 1

ATTN: Kent Roberts

Test Start: 2003.11.03 @ 18:14:27

Tool Information

Drill Pipe:	Length: 4934.00 ft	Diameter: 3.80 inches	Volume: 69.21 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: 70000.00 lb
			Total Volume: 69.21 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4937.00 ft			Final 64000.00 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:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4922.00	
Hydraulic tool	5.00			4927.00	
Packer	5.00			4932.00	20.00 Bottom Of Top Packer
Packer	5.00			4937.00	
Stubb	2.00			4939.00	
Recorder	0.00	2346	Inside	4939.00	
Anchor	17.00			4956.00	
Recorder	0.00	10991	Outside	4956.00	
Bullnose	3.00			4959.00	22.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Roberts Resources, Inc.

#2 Schmidt

520 S. Holland suite 207
Wichita, Ks. 67209

8-21S-18W

Job Ticket: 17928

DST#: 1

ATTN: Kent Roberts

Test Start: 2003.11.03 @ 18:14:27

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: 1.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
	Drilling mud	

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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KCC WICHITA

DST Test Number: 1

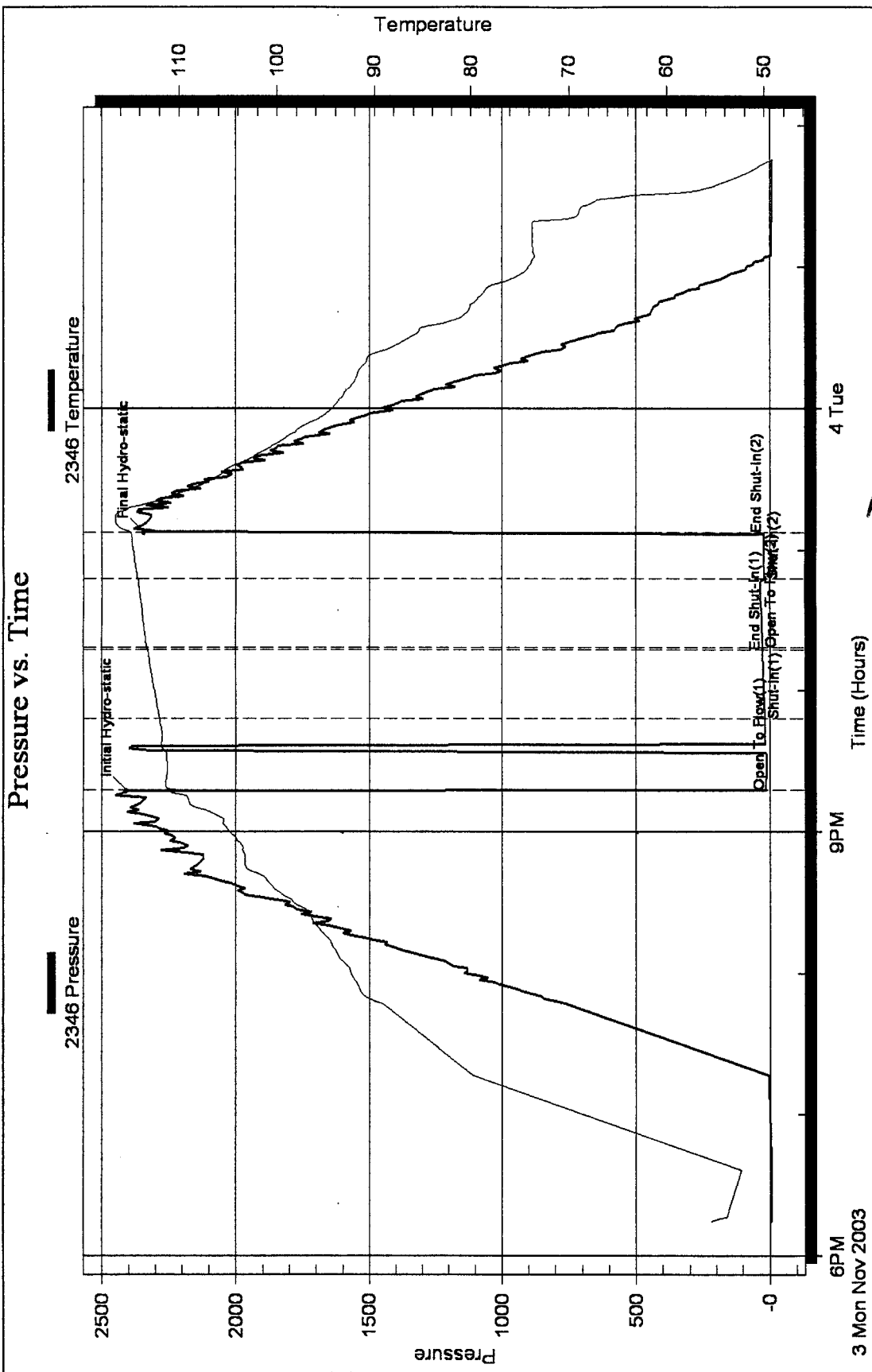
8-21S-18W

Roberts Resources, Inc.

Inside

Serial #: 2346

Pressure vs. Time

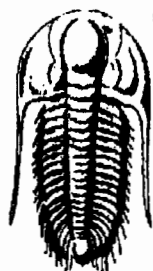


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KCC WICHITA

Ref. No: 17928

Trilobite Testing, Inc

Printed: 2003.11.07 @ 10:16:55 Page 5



TRILOBITE
TESTING, INC.

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KCC WICHITA

DRILL STEM TEST REPORT

Prepared For: **Roberts Resources, inc.**

520 S.Holland suite 207
Wichita, Ks. 67209

ATTN: Kent Roberts

8-21S-18W

#2 Schmidt

Start Date: 2003.11.04 @ 09:34:29

End Date: 2003.11.04 @ 18:04:27

Job Ticket #: 17929 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

Roberts Resources, inc.

520 S.Holland suite 207
Wichita, Ks. 67209

ATTN: Kent Roberts

#2 Schmidt

8-21S-18W

Job Ticket: 17929

DST#: 2

Test Start: 2003.11.04 @ 09:34:29

GENERAL INFORMATION:

Formation: Miss.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:22:57

Time Test Ended: 18:04:27

Interval: 4939.00 ft (KB) To 4964.00 ft (KB) (TVD)

Total Depth: 4964.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

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KCC WICHITA

Test Type: Conventional Bottom Hole

Tester: Darren L. Amerine

Unit No: 19

Reference Elevations: 2292.00 ft (KB)

2281.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 2346

Inside

Press@RunDepth: 19.87 psig @ 4941.00 ft (KB)

Start Date: 2003.11.04

End Date:

2003.11.04

Start Time: 09:34:29

End Time:

18:04:27

Capacity: 7000.00 psig

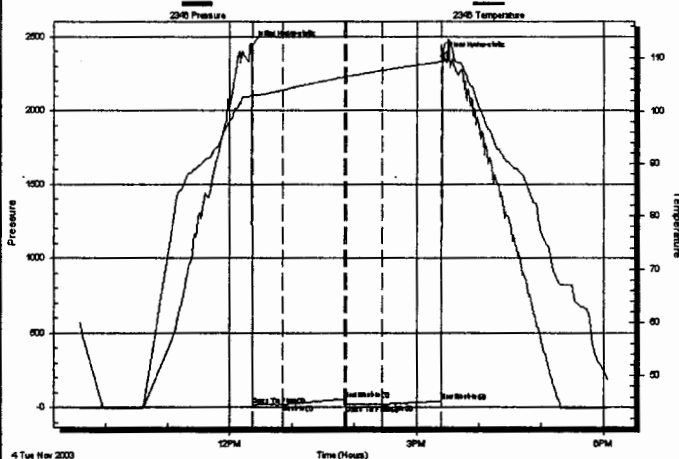
Last Calib.: 2003.11.04

Time On Btm: 2003.11.04 @ 12:21:57

Time Off Btm: 2003.11.04 @ 15:23:57

TEST COMMENT: IF: Weak blow built to 1-1/2" in H₂O bucket.
IS: Bled down for 10 mins. no blow back.
FF: Weak blow built to 1-1/2" in H₂O bucket.
FS: Bled down for 5 mins. no blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2443.68	103.11	Initial Hydro-static
1	14.90	103.06	Open To Flow (1)
30	19.21	103.98	Shut-in (1)
90	54.57	106.44	End Shut-in (1)
91	16.12	106.48	Open To Flow (2)
125	19.87	107.68	Shut-in (2)
182	41.84	109.31	End Shut-in (2)
183	2366.94	109.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	VSOOM 4% oil 96% mud	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Roberts Resources, inc.

#2 Schmidt

520 S.Holland suite 207
Wichita,Ks.67209

8-21S-18W

Job Ticket: 17929

DST#: 2

ATTN: Kent Roberts

Test Start: 2003.11.04 @ 09:34:29

Tool Information

Drill Pipe:	Length: 4934.00 ft	Diameter: 3.80 inches	Volume: 69.21 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: 75000.00 lb
			Total Volume: 69.21 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4939.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			4924.00		
Hydraulic tool	5.00			4929.00		
Packer	5.00			4934.00	20.00	Bottom Of Top Packer
Packer	5.00			4939.00		
Stubb	2.00			4941.00		
Recorder	0.00	2346	Inside	4941.00		
Anchor	20.00			4961.00		
Recorder	0.00	10991	Outside	4961.00		
Blank Spacing	3.00			4964.00	25.00	Bottom Packers & Anchor
Total Tool Length:	45.00					



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Roberts Resources, inc.

#2 Schmidt

520 S.Holland suite 207
Wichita, Ks. 67209

8-21S-18W

Job Ticket: 17929

DST#: 2

ATTN: Kent Roberts

Test Start: 2003.11.04 @ 09:34:29

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: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.37 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
30.00	VSOCM 4% oil 96% mud	0.421

Total Length: 30.00 ft

Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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KCC WICHITA

DST Test Number: 2

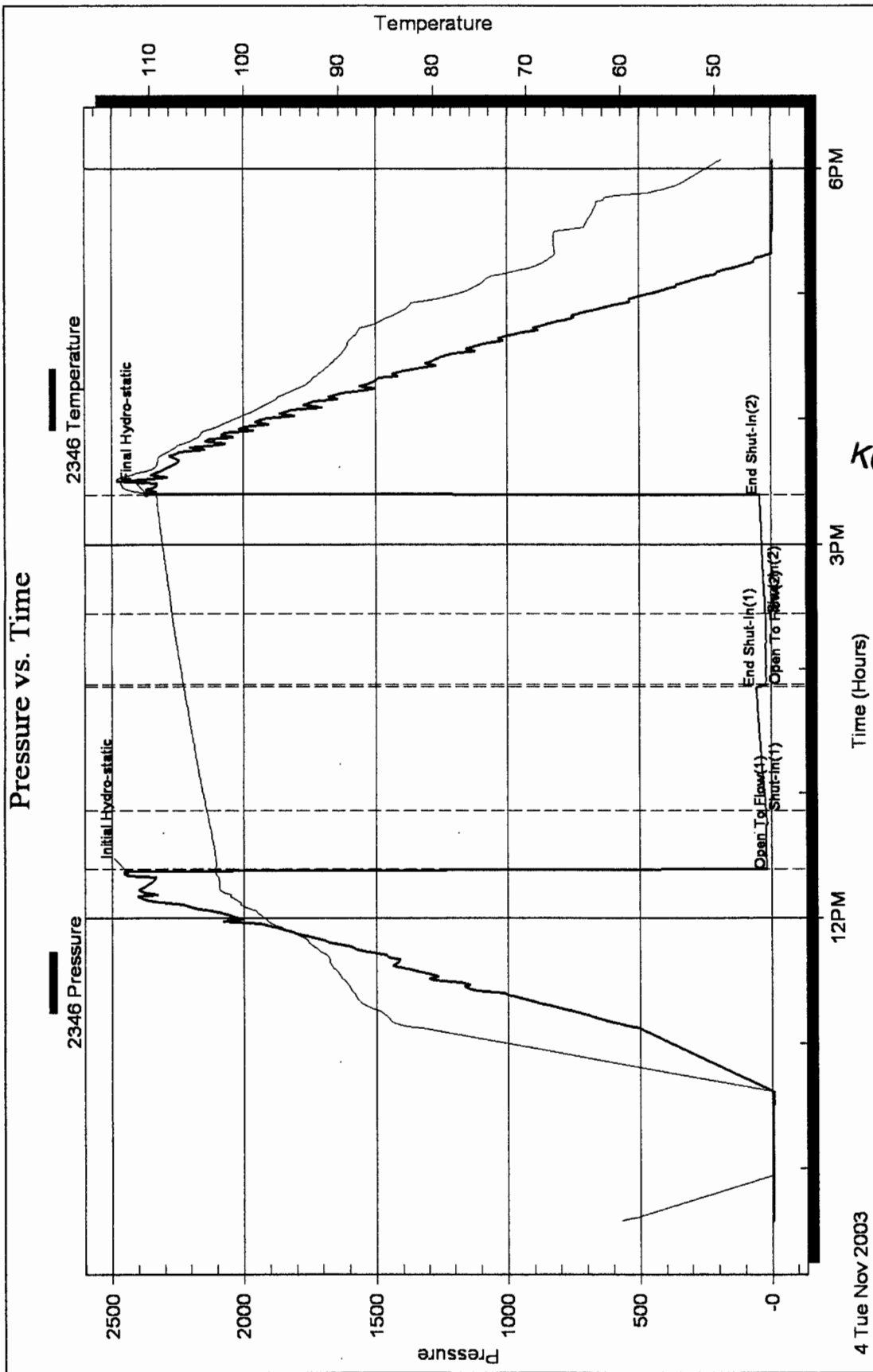
8-21S-18W

Roberts Resources, Inc.

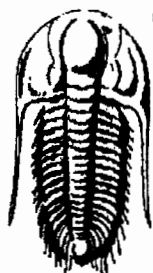
Inside

Serial #: 2346

Pressure vs. Time



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KCC WICHITA

DRILL STEM TEST REPORT

Prepared For: **Roberts Resources,inc.**

520 S.Holland suite 207
Wichita,Ks.67209

ATTN: Kent Roberts

8-21S-18W

#2 Schmidt

Start Date: 2003.11.05 @ 01:55:59

End Date: 2003.11.05 @ 11:44:12

Job Ticket #: 17930

DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Roberts Resources, inc.

520 S.Holland suite 207
Wichita, Ks. 67209

ATTN: Kent Roberts

#2 Schmidt

8-21S-18W

Job Ticket: 17930

DST#: 3

Test Start: 2003.11.05 @ 01:55:59

GENERAL INFORMATION:

Formation: Miss.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:04:12

Time Test Ended: 11:44:12

Interval: 4960.00 ft (KB) To 4970.00 ft (KB) (TVD)

Total Depth: 4970.00 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: 2292.00 ft (KB)

2281.00 ft (CF)

KB to GR/CF: 11.00 ft

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Serial #: 2346

Inside

Press@RunDepth: 46.22 psig @ 4962.00 ft (KB)

Start Date: 2003.11.05

End Date:

2003.11.05

Start Time: 01:55:59

End Time:

11:44:12

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2003.11.05 @ 05:03:42

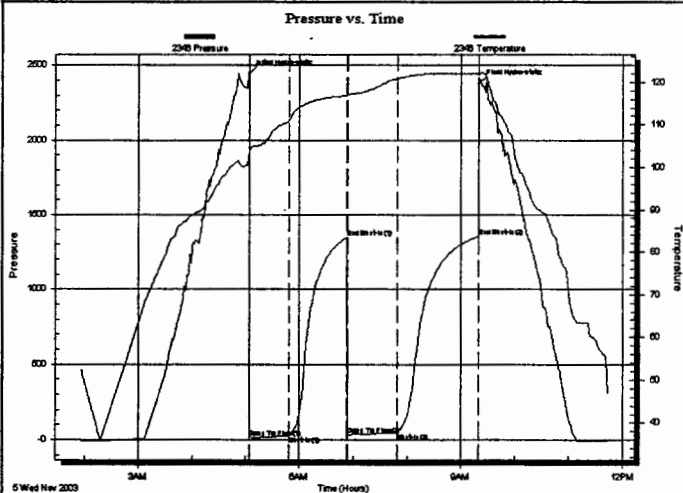
Time Off Btm: 2003.11.05 @ 09:19:42

TEST COMMENT: IF: Weak blow built to 8-1/2" in diesel bucket.

IS: Bled down for 2 mins. no blow back.

FF: Weak blow built to 4" in diesel bucket.

FS: Bled down for 10 mins. no blow back.



PRESSURE SUMMARY

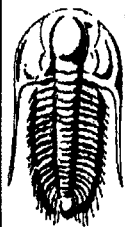
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2445.59	103.49	Initial Hydro-static
1	12.14	103.79	Open To Flow (1)
45	26.22	110.92	Shut-In (1)
109	1346.95	116.78	End Shut-In (1)
110	32.22	117.01	Open To Flow (2)
165	46.22	120.85	Shut-In (2)
256	1355.00	121.87	End Shut-In (2)
257	2380.06	122.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	240's gas in pipe	0.00
60.00	VSO&GCMW 4% gas 4% oil 42% water	500.84 id
15.00	VSO&GCMW 4% gas 4% oil 20% water	720.21 id

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Roberts Resources, inc.

#2 Schmidt

520 S.Holland suite 207
Wichita, Ks. 67209

8-21S-18W

Job Ticket: 17930

DST#: 3

ATTN: Kent Roberts

Test Start: 2003.11.05 @ 01:55:59

Tool Information

Drill Pipe:	Length: 4963.00 ft	Diameter: 3.80 inches	Volume: 69.62 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: 75000.00 lb
			Total Volume: 69.62 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4960.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	30.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut in Tool	5.00			4945.00	
Hydraulic tool	5.00			4950.00	
Packer	5.00			4955.00	20.00 Bottom Of Top Packer
Packer	5.00			4960.00	
Stubb	2.00			4962.00	
Recorder	0.00	2346	Inside	4962.00	
Anchor	5.00			4967.00	
Bullnose	3.00			4970.00	10.00 Bottom Packers & Anchor

Total Tool Length: 30.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Roberts Resources, inc.

#2 Schmidt

520 S.Holland suite 207
Wichita, Ks. 67209

8-21S-18W

Job Ticket: 17930

DST#: 3

ATTN: Kent Roberts

Test Start: 2003.11.05 @ 01:55:59

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: 150000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.37 in³

Gas Cushion Type:

Resistivity: 0.90 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	240's gas in pipe	0.000
60.00	VSO&GCWM 4%gas 4%oil 42%water 50%mi	0.842
15.00	VSO&GCWM 4%gas 4%oil 20%water 72%mi	0.210

Total Length: 75.00 ft

Total Volume: 1.052 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .06@68'=150000

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DST Test Number: 3

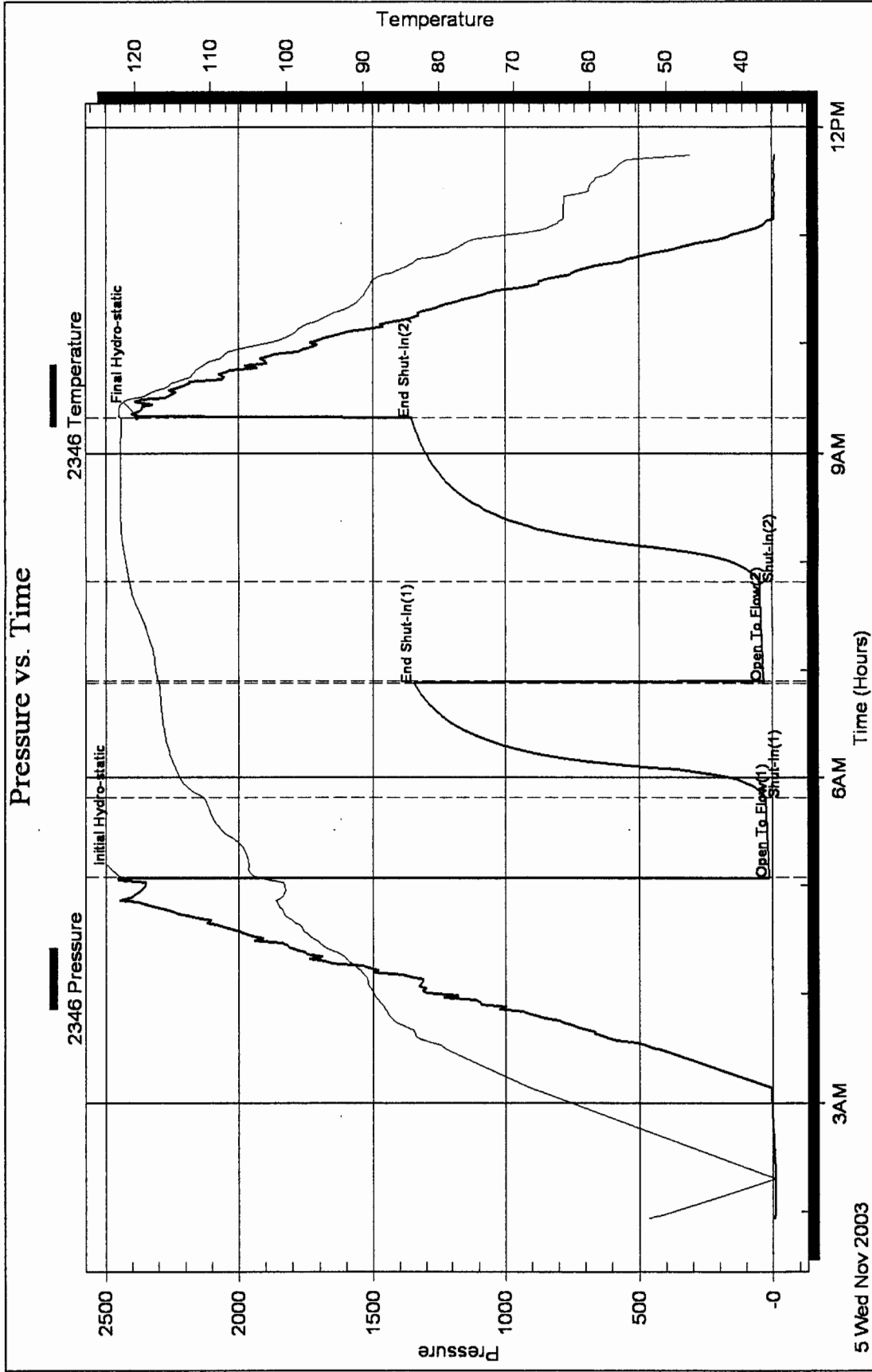
8-21S-18W

Roberts Resources, Inc.

Inside

Serial #: 2346

Pressure vs. Time



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