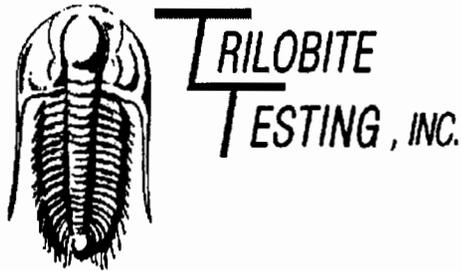


15-007-22850

25-31s-12w



DRILL STEM TEST REPORT

Prepared For: **National Petl.Reserves Inc.**

250 N.Rock Rd.Ste.130
Wichita Ks. 67206

ATTN: Ken LeBlanc

25-31s-12w Barber Ks

Rucker A#1

Start Date: 2004.08.29 @ 19:02:22

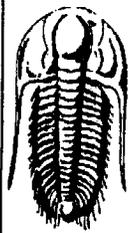
End Date: 2004.08.30 @ 03:27:22

Job Ticket #: 19761 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

National Petl. Reserves Inc.

Rucker A#1

250 N. Rock Rd. Ste. 130
Wichita Ks. 67206

25-31s-12w Barber Ks

Job Ticket: 19761

DST#: 1

ATTN: Ken LeBlanc

Test Start: 2004.08.29 @ 19:02:22

GENERAL INFORMATION:

Formation: **Elgin**

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

Time Tool Opened: 21:01:22

Time Test Ended: 03:27:22

Test Type: **Conventional Bottom Hole**

Tester: **Gary Fevoteaux**

Unit No: **23**

Interval: **3398.00 ft (KB) To 3410.00 ft (KB) (TVD)**

Reference Elevations: **1557.00 ft (KB)**

Total Depth: **3410.00 ft (KB) (TVD)**

1548.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

KB to GR/CF: **9.00 ft**

Serial #: 6755

Inside

Press@RunDepth: **99.36 psig @ 3399.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.08.29**

End Date: **2004.08.30**

Last Calib.: **2004.08.30**

Start Time: **19:02:27**

End Time: **03:27:21**

Time On Btrm: **2004.08.29 @ 20:57:37**

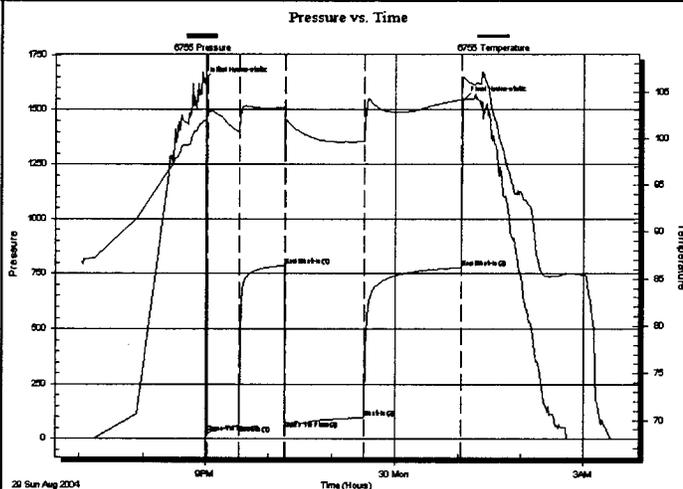
Time Off Btrm: **2004.08.30 @ 01:04:37**

TEST COMMENT: F: Strong blow . B.O.B. in 10 secs. GTS in 9 mins. (see gas volume report)

IS: No blow .

FF: Strong blow . (see gas volume report)

FSI: Weak blow . 1/2 - 1".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1630.52	101.91	Initial Hydro-static
4	26.93	102.67	Open To Flow (1)
35	61.72	100.62	Shut-In(1)
77	787.61	103.39	End Shut-In(1)
78	45.09	98.46	Open To Flow (2)
153	99.36	99.69	Shut-In(2)
246	778.78	104.20	End Shut-In(2)
247	1546.80	106.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MW 8% m 92% w R _w .29 ohms @ 73 die	0.30
200.00	GCM 7% g 93% m	1.17

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	5.00	71.07
Last Gas Rate	0.38	24.00	140.67
Max. Gas Rate	0.38	25.00	144.33



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

National Petl.Reserves Inc.

Rucker A#1

250 N.Rock Rd.Ste.130
Wichita Ks. 67206

25-31s-12w Barber Ks

Job Ticket: 19761

DST#: 1

ATTN: Ken LeBlanc

Test Start: 2004.08.29 @ 19:02:22

Tool Information

Drill Pipe:	Length: 3146.00 ft	Diameter: 3.80 inches	Volume: 44.13 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 69000.00 lb
		Total Volume:	45.31 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3398.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	34.00 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			3377.00	
Shut In Tool	5.00			3382.00	
Hydraulic tool	5.00			3387.00	
Safety Joint	2.00			3389.00	
Packer	4.00			3393.00	22.00 Bottom Of Top Packer
Packer	5.00			3398.00	
Stubb	1.00			3399.00	
Recorder	0.00	6755	Inside	3399.00	
Perforations	6.00			3405.00	
Recorder	0.00	13222	Outside	3405.00	
Bullnose	5.00			3410.00	12.00 Bottom Packers & Anchor

Total Tool Length: 34.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

National Petl. Reserves Inc.

Rucker A#1

250 N. Rock Rd. Ste. 130
Wichita Ks. 67206

25-31s-12w Barber Ks

Job Ticket: 19761

DST#: 1

ATTN: Ken LeBlanc

Test Start: 2004.08.29 @ 19:02:22

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:

22000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MMV 8% m 92% w Fw .29 ohms @ 73 deg.	0.295
200.00	GCM 7% g 93% m	1.166

Total Length: 260.00 ft

Total Volume: 1.461 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

National Petll. Reserves Inc.

Rucker A#1

250 N. Rock Rd. Ste. 130
Wichita Ks. 67206

25-31s-12w Barber Ks

Job Ticket: 19761

DST#: 1

ATTN: Ken LeBlanc

Test Start: 2004.08.29 @ 19:02:22

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	10	0.38	5.00	71.07
1	20	0.38	11.00	93.05
1	30	0.38	16.00	111.36
2	10	0.38	25.00	144.33
2	20	0.38	21.00	129.68
2	30	0.38	24.00	140.67
2	45	0.38	24.00	140.67
2	60	0.38	24.00	140.67
2	75	0.38	24.00	140.67

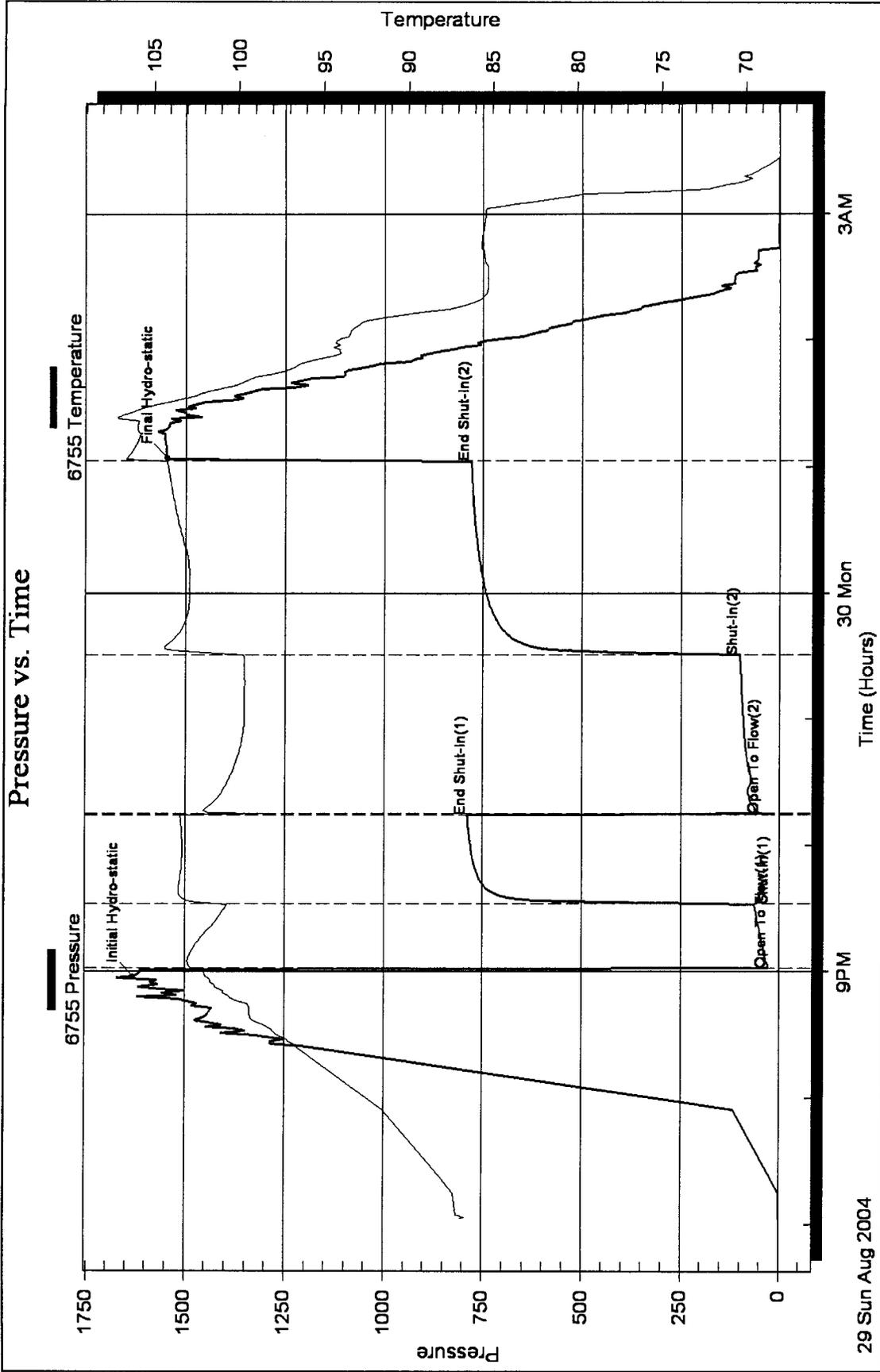
Serial #: 6755

Inside

National Pet. Reserves Inc.

25-31s-12w Barber Ks

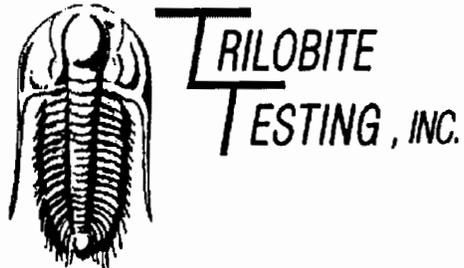
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 19761

Printed: 2004.09.13 @ 14:02:03 Page 6



DRILL STEM TEST REPORT

Prepared For: **National Petl.Reserves Inc.**

250 N.Rock Rd.Ste.130
Wichita Ks. 67206

ATTN: Ken LeBlanc

25-31s-12w Barber Ks

Rucker A#1

Start Date: 2004.08.31 @ 00:31:32

End Date: 2004.08.31 @ 08:44:32

Job Ticket #: 19762 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

National Petl.Reserves Inc.

Rucker A#1

25-31s-12w Barber Ks

DST # 2

Douglas

2004.08.31



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

National Petrl.Reserves Inc.

250 N.Rock Rd.Ste.130
Wichita Ks. 67206

ATTN: Ken LeBlanc

Rucker A#1

25-31s-12w Barber Ks

Job Ticket: 19762

DST#: 2

Test Start: 2004.08.31 @ 00:31:32

GENERAL INFORMATION:

Formation: **Douglas**

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

Time Tool Opened: 03:07:47

Time Test Ended: 08:44:32

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **3655.00 ft (KB) To 3660.00 ft (KB) (TVD)**

Reference Elevations: **1557.00 ft (KB)**

Total Depth: **3660.00 ft (KB) (TVD)**

1548.00 ft (CF)

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

KB to GR/CF: **9.00 ft**

Serial #: 6755

Inside

Press@RunDepth: **288.55 psig @ 3656.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.08.31**

End Date:

2004.08.31

Last Calib.: **2004.08.31**

Start Time: **00:31:37**

End Time:

08:44:31

Time On Btm: **2004.08.31 @ 03:06:02**

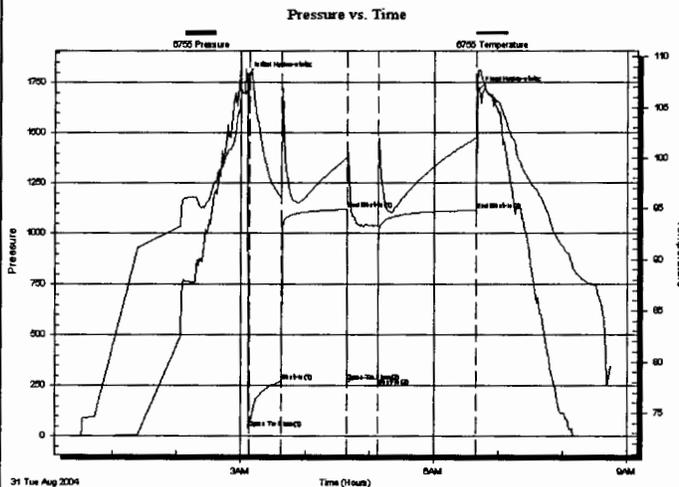
Time Off Btm: **2004.08.31 @ 06:41:02**

TEST COMMENT: F:Strong blow . GTS in 3.75 mins. (see gas volume report)

IS:No blow .

FF:Strong blow . (see gas volume report)

FS:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1783.78	106.51	Initial Hydro-static
2	41.20	106.39	Open To Flow (1)
32	269.93	96.09	Shut-In(1)
93	1118.75	100.09	End Shut-In(1)
93	270.50	99.76	Open To Flow (2)
122	288.55	93.35	Shut-In(2)
213	1114.98	102.00	End Shut-In(2)
215	1712.55	108.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MV4%m 96%w Rw .10 ohms @ 75 de0.59	
60.00	VM44%w 56%m	0.30
60.00	GCM 15%g 85%m	0.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	50.00	1005.92
Last Gas Rate	0.75	79.00	1458.90
Max. Gas Rate	0.75	80.00	1474.51



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

National Pet. Reserves Inc.

Rucker A#1

250 N. Rock Rd. Ste. 130
Wichita Ks. 67206

25-31s-12w Barber Ks

Job Ticket: 19762

DST#: 2

ATTN: Ken LeBlanc

Test Start: 2004.08.31 @ 00:31:32

Tool Information

Drill Pipe:	Length: 3397.00 ft	Diameter: 3.80 inches	Volume: 47.65 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 48.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3655.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	5.00 ft			
Tool Length:	27.00 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			3634.00	
Shut In Tool	5.00			3639.00	
Hydraulic tool	5.00			3644.00	
Safety Joint	2.00			3646.00	
Packer	4.00			3650.00	22.00 Bottom Of Top Packer
Packer	5.00			3655.00	
Stubb	1.00			3656.00	
Recorder	0.00	6755	Inside	3656.00	
Perforations	2.00			3658.00	
Recorder	0.00	13222	Outside	3658.00	
Bullnose	2.00			3660.00	5.00 Bottom Packers & Anchor

Total Tool Length: 27.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

National Petl. Reserves Inc.

Rucker A#1

250 N. Rock Rd. Ste. 130
Wichita Ks. 67206

25-31s-12w Barber Ks

Job Ticket: 19762

DST#: 2

ATTN: Ken LeBlanc

Test Start: 2004.08.31 @ 00:31:32

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:

71000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MM 4% _m 96% _w Rw .10 ohms @ 75 deg.	0.590
60.00	VM 44% _w 56% _m	0.295
60.00	GCM 15% _g 85% _m	0.295

Total Length: 240.00 ft

Total Volume: 1.180 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-2

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

National Petl. Reserves Inc.

Rucker A#1

250 N. Rock Rd. Ste. 130
Wichita Ks. 67206

25-31s-12w Barber Ks

Job Ticket: 19762

DST#: 2

ATTN: Ken LeBlanc

Test Start: 2004.08.31 @ 00:31:32

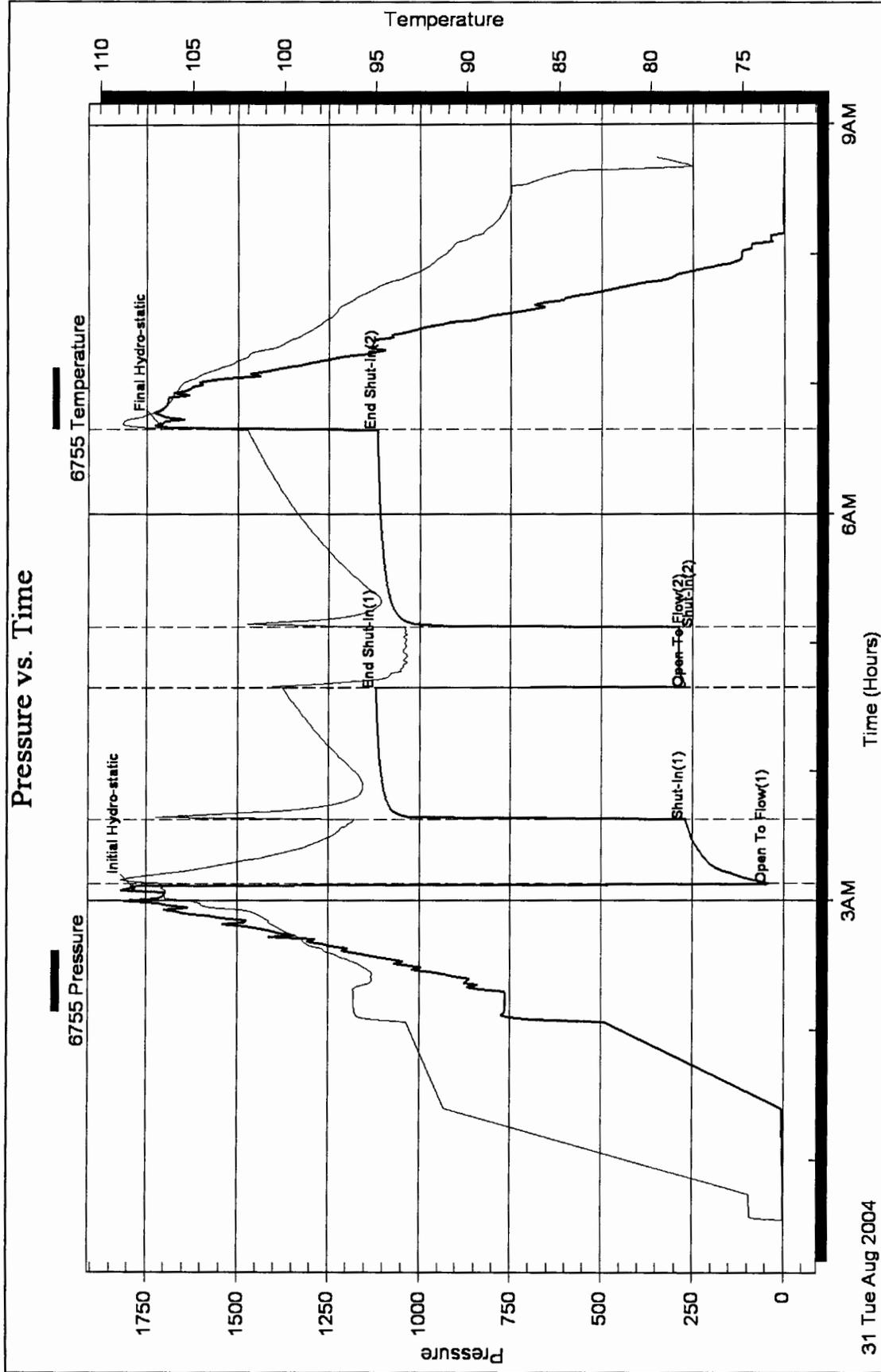
Gas Rates Information

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	10	0.75	50.00	1005.92
1	10	0.75	50.00	1005.92
1	20	0.75	61.00	1177.74
2	10	0.75	75.00	1396.42
2	20	0.75	80.00	1474.51
2	30	0.75	79.00	1458.90

Pressure vs. Time



31 Tue Aug 2004



DRILL STEM TEST REPORT

Prepared For: **National Petl.Reserves Inc.**

250 N.Rock Rd.Ste.130
Wichita Ks. 67206

ATTN: Ken LeBlanc

25-31s-12w Barber Ks

Rucker A#1

Start Date: 2004.09.02 @ 04:40:34

End Date: 2004.09.02 @ 14:26:34

Job Ticket #: 19373 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

National Petl. Reserves Inc.

Rucker A#1

250 N. Rock Rd. Ste. 130
Wichita Ks. 67206

25-31s-12w Barber Ks

Job Ticket: 19373

DST#: 3

ATTN: Ken LeBlanc

Test Start: 2004.09.02 @ 04:40:34

GENERAL INFORMATION:

Formation: **Miss.**

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

Time Tool Opened: 07:01:34

Time Test Ended: 14:26:34

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **4274.00 ft (KB) To 4294.00 ft (KB) (TVD)**

Reference Elevations: **1557.00 ft (KB)**

Total Depth: **4294.00 ft (KB) (TVD)**

1548.00 ft (CF)

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

KB to GR/CF: **9.00 ft**

Serial #: 6742

Inside

Press@RunDepth: **140.76 psig @ 4276.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2004.09.02**

End Date: **2004.09.02**

Last Calib.: **2004.09.02**

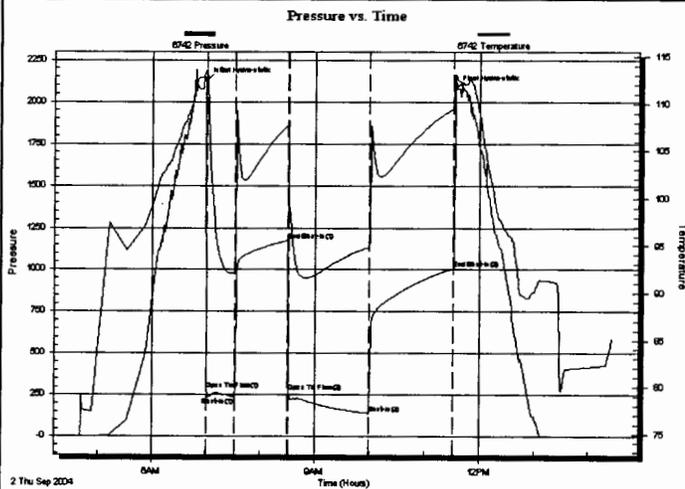
Start Time: **04:40:39**

End Time: **14:26:34**

Time On Btmr: **2004.09.02 @ 07:00:34**

Time Off Btmr: **2004.09.02 @ 11:33:04**

**TEST COMMENT: F-Strong B.O.B. 30 Sec. G.T.S. in 3 min. Gas will burn.
FF-Strong B.O.B. 15 Sec.**



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2121.07	113.48	Initial Hydro-static
1	281.53	113.64	Open To Flow (1)
32	235.43	92.05	Shut-In(1)
90	1174.60	107.84	End Shut-In(1)
91	266.87	97.14	Open To Flow (2)
179	140.76	94.84	Shut-In(2)
271	1007.12	109.53	End Shut-In(2)
273	2078.05	113.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Drilling Mud	0.15

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	50.00	1062.79
Last Gas Rate	0.75	29.00	716.23
Max. Gas Rate	0.75	52.00	1095.80



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

National Petl. Reserves Inc.

Rucker A#1

250 N. Rock Rd. Ste. 130
Wichita Ks. 67206

25-31s-12w Barber Ks

Job Ticket: 19373

DST#: 3

ATTN: Ken LeBlanc

Test Start: 2004.09.02 @ 04:40:34

Tool Information

Drill Pipe:	Length: 4024.00 ft	Diameter: 3.80 inches	Volume: 56.45 bbl	Tool Weight: 2300.00 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: 238.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 57.62 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4274.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	42.00 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			4253.00	
Shut In Tool	5.00			4258.00	
Safety Joint	2.00			4260.00	
Hydraulic tool	5.00			4265.00	
Packer	4.00			4269.00	22.00 Bottom Of Top Packer
Packer	5.00			4274.00	
Stubb	1.00			4275.00	
Perforations	1.00			4276.00	
Recorder	0.00	6742	Inside	4276.00	
Perforations	15.00			4291.00	
Recorder	0.00	13308	Inside	4291.00	
Bullnose	3.00			4294.00	20.00 Bottom Packers & Anchor

Total Tool Length: 42.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

National Petl. Reserves Inc.

Rucker A#1

250 N. Rock Rd. Ste. 130
Wichita Ks. 67206

25-31s-12w Barber Ks

Job Ticket: 19373

DST#: 3

ATTN: Ken LeBlanc

Test Start: 2004.09.02 @ 04:40:34

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: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.98 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
30.00	Drilling Mud	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

National Petl. Reserves Inc.

Rucker A#1

250 N. Rock Rd. Ste. 130
Wichita Ks. 67206

25-31s-12w Barber Ks

Job Ticket: 19373

DST#: 3

ATTN: Ken LeBlanc

Test Start: 2004.09.02 @ 04:40:34

Gas Rates Information

Temperature: 5 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	10	0.75	50.00	1062.79
1	20	0.75	52.00	1095.80
1	30	0.75	52.00	1095.80
2	10	0.75	52.00	1095.80
2	20	0.75	52.00	1095.80
2	30	0.75	50.00	1062.79
2	40	0.75	42.00	930.77
2	50	0.75	38.00	864.76
2	60	0.75	35.00	815.25
2	70	0.75	33.00	782.24
2	80	0.75	30.00	732.73
2	90	0.75	29.00	716.23

Serial #: 6742

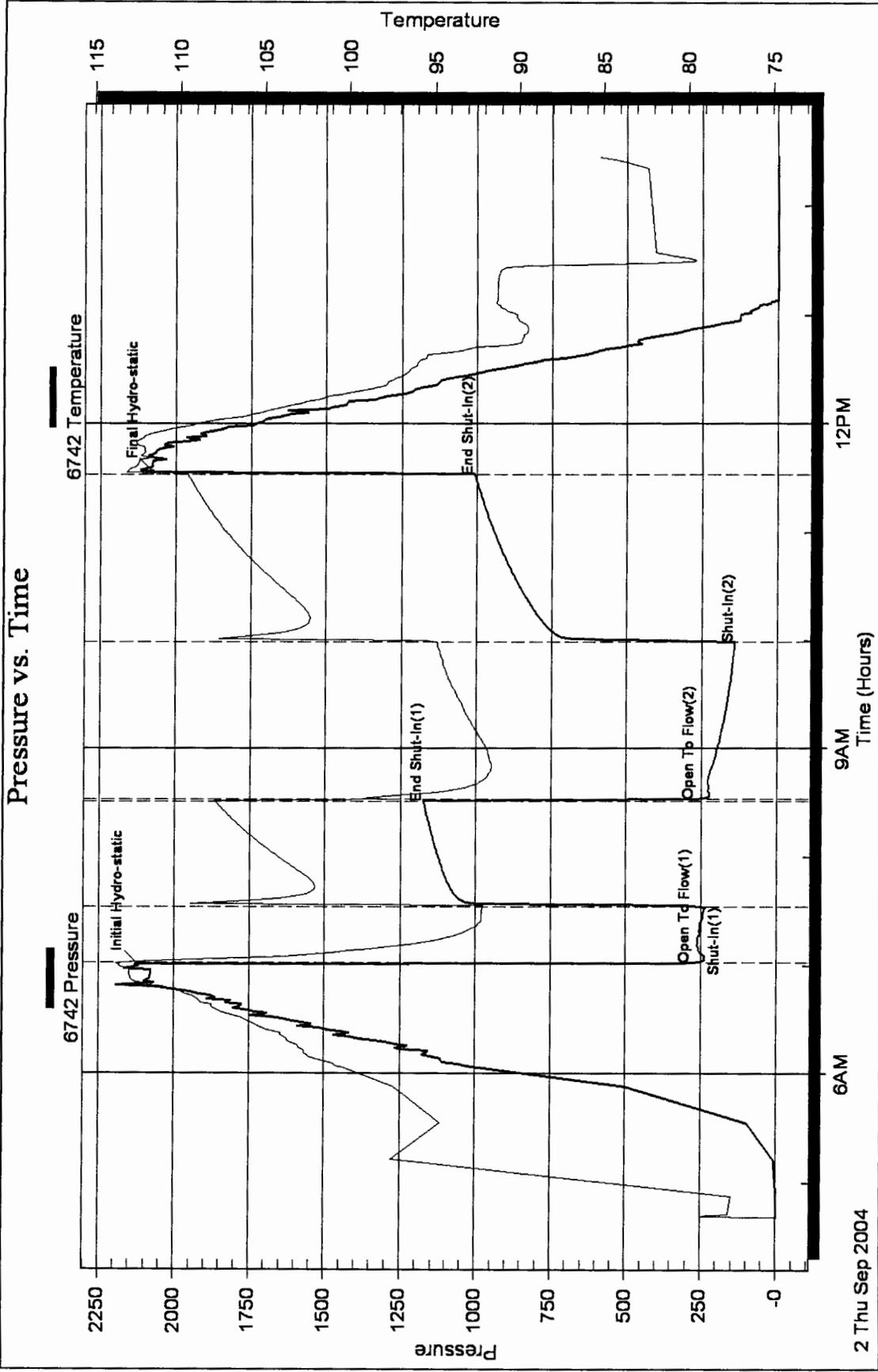
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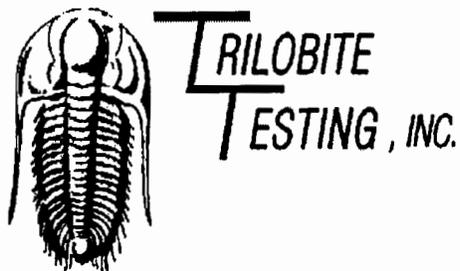
National Pet. Reserves Inc.

25-31s-12w Barber Ks

DST Test Number: 3

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **National Petl.Reserves Inc.**

250 N.Rock Rd.Ste.130
Wichita Ks. 67206

ATTN: Ken LeBlanc

25-31s-12w Barber Ks

Rucker A#1

Start Date: 2004.09.02 @ 21:54:14

End Date: 2004.09.03 @ 07:41:44

Job Ticket #: 19374 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

National Pet. Reserves Inc.
250 N. Rock Rd. Ste. 130
Wichita Ks. 67206
ATTN: Ken LeBlanc

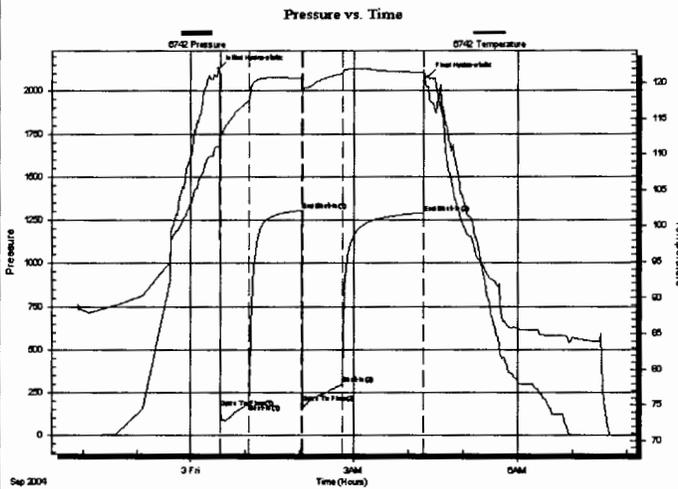
Rucker A#1
25-31s-12w Barber Ks
Job Ticket: 19374 **DST#: 4**
Test Start: 2004.09.02 @ 21:54:14

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:32:44
Time Test Ended: 07:41:44
Interval: **4294.00 ft (KB) To 4325.00 ft (KB) (TVD)**
Total Depth: 4325.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1557.00 ft (KB)
1548.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6742 **Inside**
Press@RunDepth: 299.72 psig @ 4297.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2004.09.02 End Date: 2004.09.03 Last Calib.: 2004.09.03
Start Time: 21:54:19 End Time: 07:41:44 Time On Btm: 2004.09.03 @ 00:30:14
Time Off Btm: 2004.09.03 @ 04:21:14

TEST COMMENT: F-Strong B.O.B.in 15 Sec.G.T.S.7 min.will burn.
FF-Strong B.O.B.in 15 Sec.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2130.28	110.96	Initial Hydro-static
3	164.49	112.60	Open To Flow (1)
34	183.14	117.67	Shut-In(1)
92	1306.48	120.66	End Shut-In(1)
93	190.04	118.37	Open To Flow (2)
137	299.72	121.34	Shut-In(2)
226	1291.10	121.51	End Shut-In(2)
231	2082.52	119.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	Salt Water	1.62
374.00	Gassy oil 15%G-85%oil	5.25
100.00	GMCO-30%G-25%M-45%oil	1.40

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	3.00	29.16
Last Gas Rate	0.25	12.00	44.25
Max. Gas Rate	0.25	21.00	59.33



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

National Petl. Reserves Inc.

Rucker A#1

250 N. Rock Rd. Ste. 130
Wichita Ks. 67206

25-31s-12w Barber Ks

Job Ticket: 19374

DST#: 4

ATTN: Ken LeBlanc

Test Start: 2004.09.02 @ 21:54:14

Tool Information

Drill Pipe:	Length: 4054.00 ft	Diameter: 3.80 inches	Volume: 56.87 bbl	Tool Weight: 2300.00 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: 238.00 ft	Diameter: 2.25 inches	Volume: 1.17 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 58.04 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4294.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	53.00 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			4273.00	
Shut In Tool	5.00			4278.00	
Safety Joint	2.00			4280.00	
Hydraulic tool	5.00			4285.00	
Packer	4.00			4289.00	22.00 Bottom Of Top Packer
Packer	5.00			4294.00	
Stubb	1.00			4295.00	
Perforations	2.00			4297.00	
Recorder	0.00	6742	Inside	4297.00	
Perforations	25.00			4322.00	
Recorder	0.00	13308	Inside	4322.00	
Bullnose	3.00			4325.00	31.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

National Petl. Reserves Inc.
250 N. Rock Rd. Ste. 130
Wichita Ks. 67206
ATTN: Ken LeBlanc

Rucker A#1
25-31s-12w Barber Ks
Job Ticket: 19374 **DST#: 4**
Test Start: 2004.09.02 @ 21:54:14

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: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
270.00	Salt Water	1.619
374.00	Gassy oil 15%G-85%oil	5.246
100.00	GMCO-30%G-25%M-45%oil	1.403

Total Length: 744.00 ft Total Volume: 8.268 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

National Pet. Reserves Inc.

Rucker A#1

250 N. Rock Rd. Ste. 130
Wichita Ks. 67206

25-31s-12w Barber Ks

Job Ticket: 19374

DST#: 4

ATTN: Ken LeBlanc

Test Start: 2004.09.02 @ 21:54:14

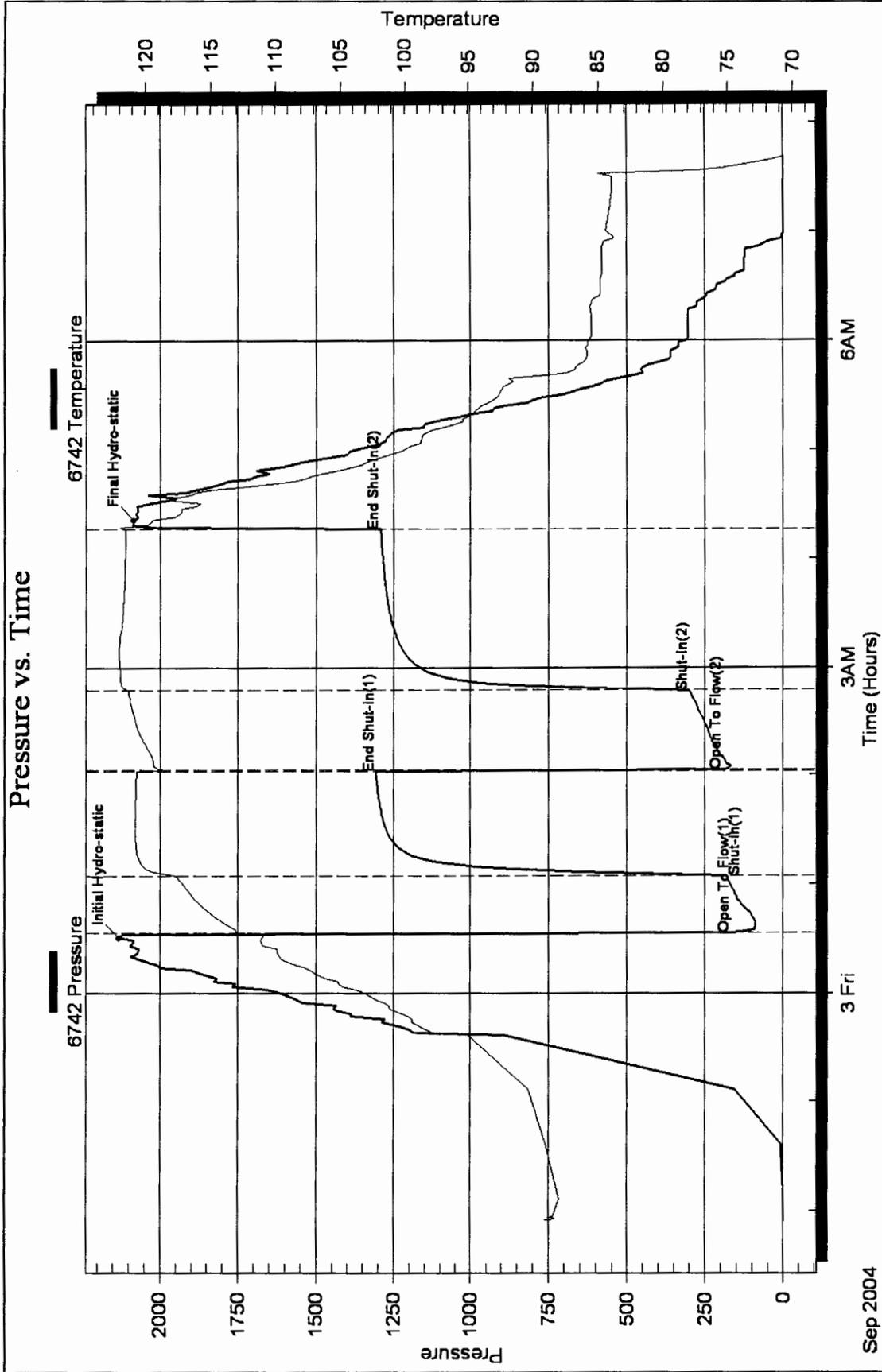
Gas Rates Information

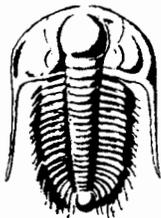
Temperature: 5 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	10	0.25	3.00	29.16
1	10	0.25	3.00	29.16
1	20	0.25	14.00	47.60
1	30	0.25	21.00	59.33
2	10	0.25	6.00	34.19
2	20	0.25	9.00	39.22
2	30	0.25	11.00	42.57
2	40	0.25	12.00	44.25
2	45	0.25	12.00	44.25

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV
6747

No. 19761

05/03

Test Ticket

Well Name & No. Ruckus A#1 Test No. 1 Date 8-29-04
 Company National Pet. Reserves Inc. Zone Tested Elgin
 Address 250 N. Rock Rd. Ste. 130, Wichita Ks. 67206 Elevation 1557 KB 1548 GL
 Co. Rep / Geo. Ker Le Blanc Cont. Stirling Bly. #4 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 25 Twp. 31^S Rge. 12 Co. Barber State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3398 - 3410' Initial Str Wt./Lbs. 56,000 Unseated Str Wt./Lbs. 60,000
 Anchor Length 12' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 49,000
 Top Packer Depth 3393' Tool Weight 2100#
 Bottom Packer Depth 3398' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3410' Wt. Pipe Run None Drill Collar Run 240'
 Mud Wt. 8.9 LCM --- Vis. 48 WL 10.4cc Drill Pipe Size 4 1/2" Ft. Run 3146
 Blow Description IF: Strong blow. 30.3 in 10 sec. GTS in 9 mins. (see gas volume report) ISI. No delay.
PF: Strong blow. (see gas volume report) FST: Weak blow. 1/2-1".

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>240</u>	<u>yes</u>	<u>240</u>	<u>20</u>
Rec. <u>200</u> Feet of <u>GCM</u>		<u>7</u> %gas	<u>93</u> %water
Rec. <u>60</u> Feet of <u>MW</u>		<u>92</u> %oil	<u>8</u> %mud
Rec. _____ Feet of _____		%gas	%water
Rec. _____ Feet of _____		%gas	%water
Rec. _____ Feet of _____		%gas	%water

BHT 104 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 29 @ 73 °F Chlorides 22,000 ppm Recovery _____ Chlorides 5,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>131</u> PSI		<u>6755</u>	<u>900</u>
(B) First Initial Flow Pressure	<u>27</u> PSI		<u>3399'</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure	<u>62</u> PSI		<u>13222</u>	Jars _____
(D) Initial Shut-In Pressure	<u>788</u> PSI		<u>3405'</u>	Safety Jt. <u>✓ 50</u>
(E) Second Initial Flow Pressure	<u>45</u> PSI		<u>---</u>	Circ Sub _____
(F) Second Final Flow Pressure	<u>99</u> PSI		<u>---</u>	Sampler _____
(G) Final Shut-In Pressure	<u>779</u> PSI	Initial Opening	<u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1547</u> PSI	Initial Shut-In	<u>45</u>	Ext. Packer _____
		Final Flow	<u>75</u>	Shale Packer _____
		Final Shut-In	<u>90</u>	Mileage <u>60</u> <u>51.00</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 Ker Le Blanc

Our Representative Cory Swartz

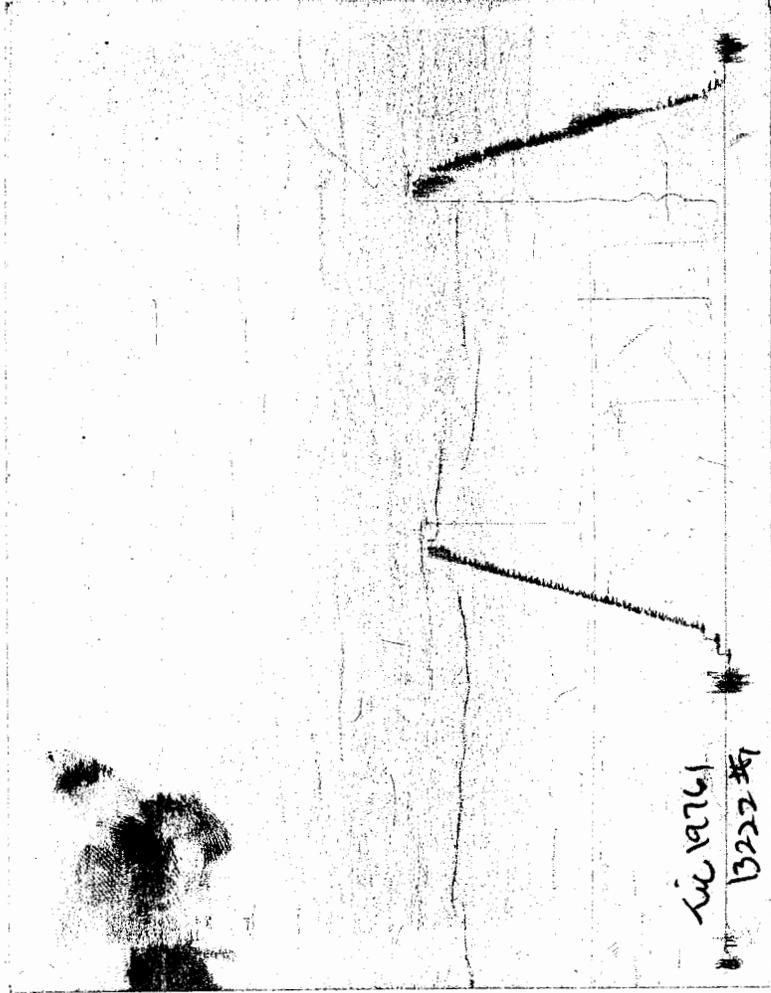
T-On Location

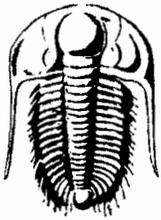
T-Started	<u>1902</u>
T-Open	<u>2101</u>
T-Pulled	<u>0105</u>
T-Out	<u>0327</u>

Sub Total: 1001.00
 Std. By ✓ 60
 Other _____
 Total: 1061.00

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19762

05/03

Test Ticket

Well Name & No. Ruckner A #1 Test No. 2 Date 8-31-04
 Company National Pet. Reserves Inc. Zone Tested Douglas
 Address Wichita Ks. 67206 Elevation 1557 KB 1548 GL
 Co. Rep / Geo. Ken LeBlanc Cont. Stirling Dwyer #4 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 25 Twp. 31S Rge. 12W Co. Barber State Ks.
 No. of Copies 5 Disbtribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3655 - 3660' Initial Str Wt./Lbs. 56,000 Unseated Str Wt/Lbs. 57,000
 Anchor Length 5' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 72,000
 Top Packer Depth 3650' Tool Weight 2100#
 Bottom Packer Depth 3655' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3660' Wt. Pipe Run None Drill Collar Run 240'
 Mud Wt. 9.0 LCM ~ Vis. US WL 12.0cc Drill Pipe Size 4 1/2" Ft. Run 3397

Blow Description IF: Strong blow. GTS in 3.75 mins. (see gas volume report) ISI: No blow.
FF: Strong blow. (see gas volume report) FST: No blow.

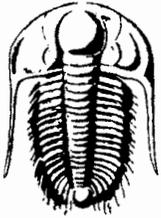
Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>240</u>	<u>yes</u>	<u>240</u>	<u>0</u>
Rec. <u>60</u> Feet of <u>GCM</u>	<u>15</u> %gas	%oil	%water <u>85</u> %mud
Rec. <u>60</u> Feet of <u>WM</u>	%gas	%oil	<u>44</u> %water <u>56</u> %mud
Rec. <u>120</u> Feet of <u>MW</u>	%gas	%oil	<u>96</u> %water <u>4</u> %mud
Rec. _____ Feet of _____	%gas	%oil	%water _____ %mud
Rec. _____ Feet of _____	%gas	%oil	%water _____ %mud

BHT 102 °F Gravity N/A °API D @ _____ °F Corrected Gravity N/A °API
 RW .10 @ 75 °F Chlorides 7,000 ppm Recovery _____ Chlorides 8,000 ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1784</u> PSI	<u>6255</u>	<u>~ 900</u> °
(B) First Initial Flow Pressure	<u>41</u> PSI	(depth) <u>3656'</u>	Elec. Rec. <input checked="" type="checkbox"/>
(C) First Final Flow Pressure	<u>270</u> PSI	Recorder No. _____	Jars _____
(D) Initial Shut-In Pressure	<u>1119</u> PSI	(depth) _____	Safety Jt. <input checked="" type="checkbox"/> <u>30</u> °
(E) Second Initial Flow Pressure	<u>279</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>289</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1115</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1713</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>51</u> °
		T-On Location <u>0005</u>	Sub Total: <u>1001</u> °
		T-Started <u>0031</u>	Std. By <input checked="" type="checkbox"/> <u>30</u> °
		T-Open <u>0367</u>	Other _____
		T-Pulled <u>0641</u>	Total: <u>1031</u> °
		T-Out <u>0844</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 Ken LeBlanc
 Our Representative Gary Ruckner



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19373

05/03

Test Ticket

Well Name & No. RUCKER "A" #1 Test No. #3 Date 9-2-04
 Company NATIONAL PETROLEUM RESERVES, INC. Zone Tested MISS.
 Address 250 N. ROCK RD, SUITE 130 WICHITANS, 67206 Elevation 1557 KB 1548 GL
 Co. Rep / Geo. KEN Cont. STERLING #4 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 21 Twp. 33s Rge. 11W Co. BARBER State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4274 To 4294 Initial Str Wt./Lbs. 54,000 Unseated Str Wt./Lbs. 64,000
 Anchor Length 20' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 75,000
 Top Packer Depth 4269 Tool Weight _____
 Bottom Packer Depth 4274 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4294 Wt. Pipe Run 0 Drill Collar Run 238
 Mud Wt. 9.2 LCM 2* Vis. 45 WL 12.0 Drill Pipe Size 4 1/2 XH Ft. Run 4024
 Blow Description IF - STRONG B.O.B. 30 SEC, G.T.S. IN 3-MIN.
FF - STRONG B.O.B. 15-SEC.

GAS WILL BURN

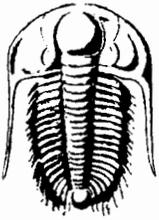
Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>30</u>	<u>GAS TO SURF</u>	<u>30'</u>	<u>0</u>
Rec. <u>30'</u>	Feet of <u>DRILLING MUD</u>	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
BHT <u>109</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____
RW _____	@ _____ °F	Chlorides _____ ppm	Recovery _____ Chlorides _____ ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2121</u>	PSI	<u>6742</u>	<u>B. HOLE 1000</u>
(B) First Initial Flow Pressure	<u>281</u>	PSI	(depth) <u>4276</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure	<u>235</u>	PSI	Recorder No. <u>13308</u>	Jars _____
(D) Initial Shut-In Pressure	<u>1174</u>	PSI	(depth) <u>4291</u>	Safety Jt. <u>✓ 50</u>
(E) Second Initial Flow Pressure	<u>266</u>	PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>140</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1007</u>	PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>2078</u>	PSI	Initial Shut-In <u>60</u>	Ext. Packer _____
			Final Flow <u>90</u>	Shale Packer <u>5100</u>
			Final Shut-In <u>90</u>	Mileage <u>60</u> RTRIP
			T-On Location <u>01:30</u>	Sub Total: <u>1101.00</u>
			T-Started <u>04:40</u>	Std. By <u>4hrs</u> <u>120.00</u>
			T-Open <u>07:01</u>	Other <u>1221.00</u>
			T-Pulled <u>11:33</u>	Total: _____
			T-Out <u>14:26</u>	

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Approved By Ken LeBlanc

Our Representative John J. Schmidt



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19374

05/03

Test Ticket

Well Name & No. RUCKER "A" #1 Test No. #4 Date 9-2-04
 Company N.P.R. Zone Tested MISS.
 Address _____ Elevation 1557 KB 1548 GL
 Co. Rep / Geo. KEN Cont. STERLING #4 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 21 Twp. 33S Rge. 11W Co. BARBER State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4294 TO 4325 Initial Str Wt./Lbs. 68,000 Unseated Str Wt./Lbs. 68,000
 Anchor Length 31' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 75,000
 Top Packer Depth 4289' Tool Weight 2300
 Bottom Packer Depth 4294' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4325' Wt. Pipe Run 0 Drill Collar Run 238'
 Mud Wt. 9.4 LCM 1 1/2" Vis. 45 WL 10.4 Drill Pipe Size 4 1/2 XH Ft. Run 4054
 Blow Description IF-STRONG B.O.B. 15-SEC.
FF-STRONG B.O.B 15-SEC.

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>744</u>	<u>G.T.S.</u>	<u>238</u>	<u>506</u>
Rec. <u>270'</u>	Feet of <u>SALT WATER</u>	%gas _____ %oil _____	<u>100%</u> water %mud _____
Rec. <u>374</u>	Feet of <u>GASSY OIL</u>	<u>15%</u> gas <u>85%</u> oil	%water _____ %mud _____
Rec. <u>100</u>	Feet of <u>G.M.C.O</u>	<u>30%</u> gas <u>45%</u> oil	%water _____ <u>25%</u> mud
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
BHT <u>121</u>	°F Gravity <u>33</u>	°API D @ <u>70</u>	°F Corrected Gravity <u>32</u> °API
RW <u>.08</u>	@ <u>60</u> °F	Chlorides <u>129,000</u> ppm	Recovery _____ Chlorides <u>6,000</u> ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2130</u> PSI	<u>6742</u>	<u>B. HOLE 1000</u>
(B) First Initial Flow Pressure	<u>164</u> PSI	(depth) <u>4297</u>	Elec. Rec. <input checked="" type="checkbox"/>
(C) First Final Flow Pressure	<u>183</u> PSI	Recorder No. <u>13308</u>	Jars _____
(D) Initial Shut-In Pressure	<u>1306</u> PSI	(depth) <u>4322</u>	Safety Jt. <input checked="" type="checkbox"/> <u>50</u>
(E) Second Initial Flow Pressure	<u>190</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>299</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1291</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>2082</u> PSI	Initial Shut-In <u>60</u>	Ext. Packer _____
		Final Flow <u>45</u>	Shale Packer _____
		Final Shut-In <u>90</u>	Mileage <u>60 R-TRIP 51.00</u>
		T-On Location <u>20:30</u>	Sub Total: <u>1101.00</u>
		T-Started <u>21:54</u>	Std. By <u>2hr 60</u>
		T-Open <u>00:32</u>	Other _____
		T-Pulled <u>04:21</u>	Total: <u>1161.00</u>
		T-Out <u>07:41</u>	

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Approved By Ken G. Blum
 Our Representative John J. Schmidt

CHART PAGE

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

