

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Osage Resources**

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

7 33 14 Barber KS

Osage #104

Start Date: 2006.11.07 @ 23:41:55

End Date: 2006.11.08 @ 06:49:55

Job Ticket #: 25797 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

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #104

7 33 14 Barber KS

Job Ticket: 25797

DST#: 1

Test Start: 2006.11.07 @ 23:41:55

GENERAL INFORMATION:

Formation: **Krider**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:10:25

Time Test Ended: 06:49:55

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **2283.00 ft (KB) To 2307.00 ft (KB) (TVD)**

Total Depth: 2307.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1893.00 ft (KB)

1885.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **6668** Inside

Press@RunDepth: 745.72 psig @ 2283.00 ft (KB)

Start Date: 2006.11.07

End Date:

2006.11.08

Start Time: 23:42:00

End Time:

06:49:54

Capacity: 7000.00 psig

Last Calib.: 2006.11.08

Time On Btm: 2006.11.08 @ 02:07:55

Time Off Btm: 2006.11.08 @ 03:50:25

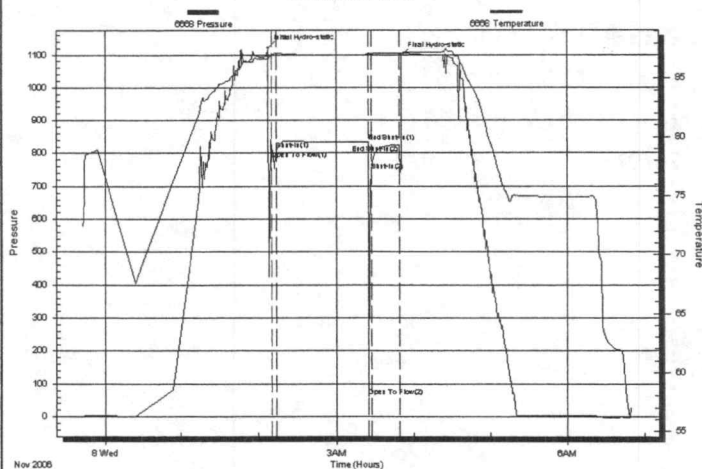
TEST COMMENT: IF Strong blow Building to 6" in 4 mins.

ISI Bled off No blow back

FF No blow

FSI Bled off No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1119.22	86.78	Initial Hydro-static
3	781.21	87.05	Open To Flow (1)
7	811.27	87.14	Shut-In (1)
77	832.68	87.04	End Shut-In (1)
78	61.82	86.92	Open To Flow (2)
80	745.72	87.12	Shut-In (2)
102	826.07	87.15	End Shut-In (2)
103	1096.87	87.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	Watery Mud 50%W 5%M	0.61

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources

Osage #104

1605 E 56th Ave
Hutchinson KS 67502

7 33 14 Barber KS

Job Ticket: 25797

DST#: 1

ATTN: Jim Musgrove

Test Start: 2006.11.07 @ 23:41:55

Tool Information

Drill Pipe:	Length: 2041.00 ft	Diameter: 3.80 inches	Volume: 28.63 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: 232.00 ft	Diameter: 2.25 inches	Volume: 1.14 bbl	Weight to Pull Loose:	40000.00 lb
		Total Volume:	29.77 bbl	Tool Chased	8.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	34000.00 lb
Depth to Top Packer:	2283.00 ft			Final	34000.00 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	
Shut In Tool	5.00			2268.00		
Hydraulic tool	5.00			2273.00		
Packer	5.00			2278.00	20.00	Bottom Of Top Packer
Packer	5.00			2283.00		
Recorder	0.00	6668	Inside	2283.00		
Perforations	20.00			2303.00		
Recorder	0.00	13266	Outside	2303.00		
Bullnose	3.00			2306.00	23.00	Bottom Packers & Anchor

Total Tool Length: 43.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #104

7 33 14 Barber KS

Job Ticket: 25797

DST#: 1

Test Start: 2006.11.07 @ 23:41:55

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 42.00 sec/qt

Water Loss: in³

Resistivity: 0.91 ohm.m

Salinity: ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity:

8500 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	Watery Mud 50%W 5%M	0.610

Total Length: 124.00 ft

Total Volume: 0.610 bbl

Num Fluid Samples: 0

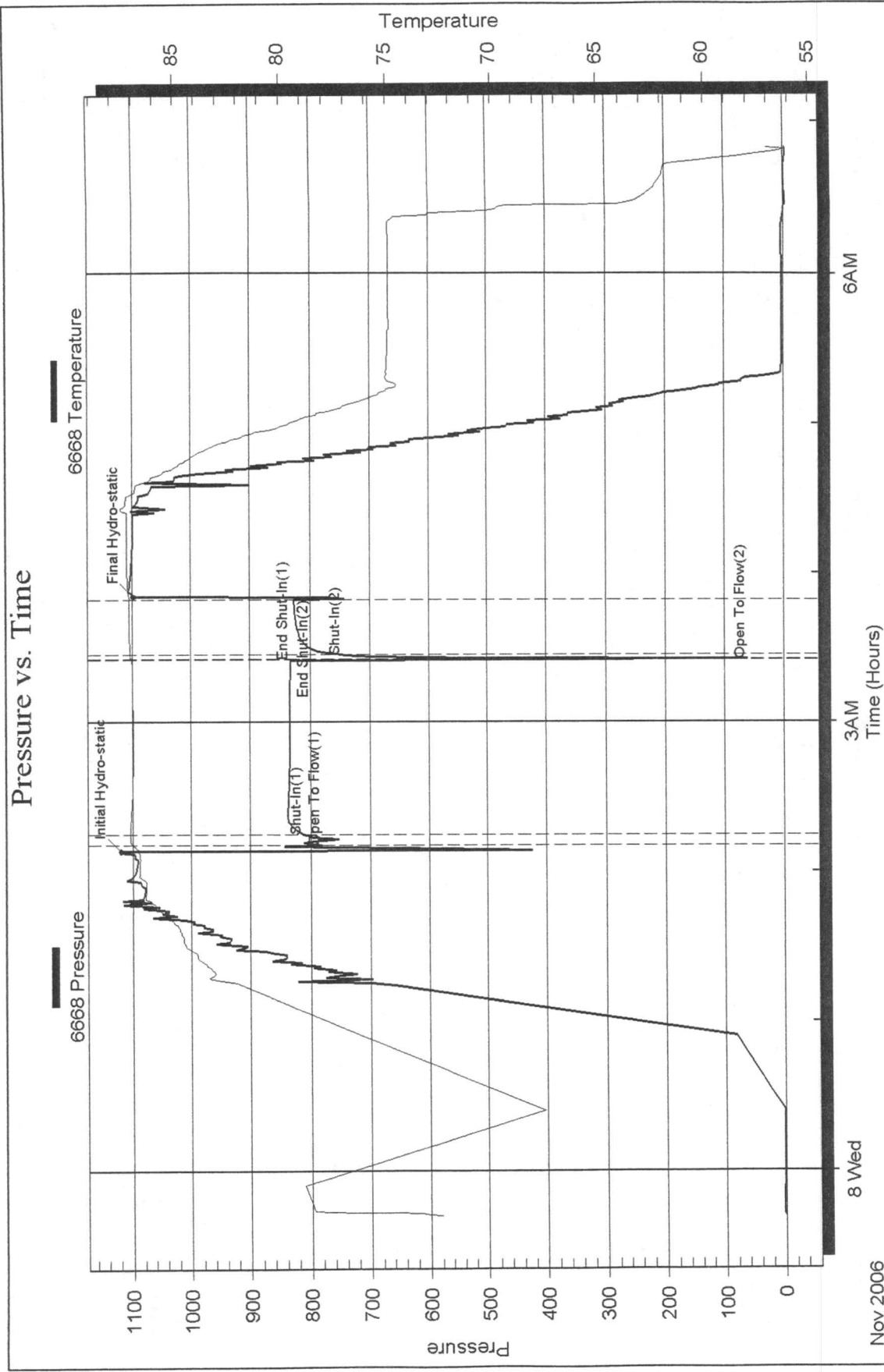
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Osage Resources**

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

7 33 14 Barber KS

Osage #104

Start Date: 2006.11.11 @ 08:17:27

End Date: 2006.11.11 @ 20:05:27

Job Ticket #: 25798 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

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #104

7 33 14 Barber KS

Job Ticket: 25798

DST#: 2

Test Start: 2006.11.11 @ 08:17:27

GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:21:27

Time Test Ended: 20:05:27

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **3527.00 ft (KB) To 3544.00 ft (KB) (TVD)**

Total Depth: 3544.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1893.00 ft (KB)

1885.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6668 Inside

Press@RunDepth: 175.96 psig @ 3528.00 ft (KB)

Start Date: 2006.11.11

End Date:

2006.11.11

Start Time: 08:17:32

End Time:

20:05:27

Capacity: 7000.00 psig

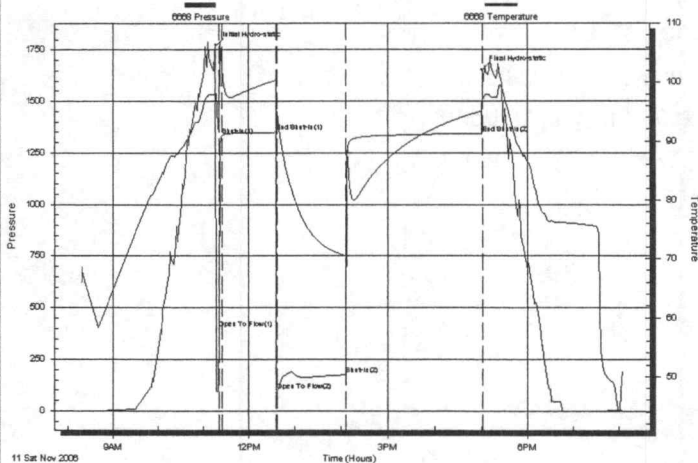
Last Calib.: 2006.11.11

Time On Btm: 2006.11.11 @ 11:16:42

Time Off Btm: 2006.11.11 @ 17:00:57

TEST COMMENT: IF Strong blow BOB immediately
ISI Bled off Strong blow back Building to 7 " in 75 mins.
FF Strong blow GTS in 2 mins. (See gas report).
ISI Bled off No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1772.19	98.08	Initial Hydro-static
5	397.69	91.49	Open To Flow (1)
9	1334.85	102.88	Shut-In(1)
80	1351.21	100.37	End Shut-In(1)
81	95.92	94.98	Open To Flow(2)
170	175.96	70.47	Shut-In(2)
344	1343.27	95.10	End Shut-In(2)
345	1652.19	95.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Gassy Watery Mud 10%G 20%W 70%M 0.15	
202.00	Gassy Drilling Mud 10%G 90%M 0.99	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	110.00	455.71
Last Gas Rate	0.50	70.00	569.34
Max. Gas Rate	0.38	110.00	455.71



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #104

7 33 14 Barber KS

Job Ticket: 25798

DST#: 2

Test Start: 2006.11.11 @ 08:17:27

Tool Information

Drill Pipe:	Length: 3281.00 ft	Diameter: 3.80 inches	Volume: 46.02 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: 232.00 ft	Diameter: 2.25 inches	Volume: 1.14 bbl	Weight to Pull Loose:	46000.00 lb
		Total Volume:	47.16 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3527.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	18.00 ft				
Tool Length:	37.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3513.00		
Hydraulic tool	5.00			3518.00		
Packer	5.00			3523.00	19.00	Bottom Of Top Packer
Packer	4.00			3527.00		
Stubb	1.00			3528.00		
Recorder	0.00	6668	Inside	3528.00		
Perforations	14.00			3542.00		
Recorder	0.00	13266	Outside	3542.00		
Bullnose	3.00			3545.00	18.00	Bottom Packers & Anchor
Total Tool Length:	37.00					



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #104

7 33 14 Barber KS

Job Ticket: 25798

DST#: 2

Test Start: 2006.11.11 @ 08:17:27

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Gassy Watery Mud 10%G 20%W 70%M	0.148
202.00	Gassy Drilling Mud 10%G 90%M	0.993

Total Length: 232.00 ft

Total Volume: 1.141 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

Osage Resources

Osage #104

1605 E 56th Ave
Hutchinson KS 67502

7 33 14 Barber KS

Job Ticket: 25798

DST#: 2

ATTN: Jim Musgrove

Test Start: 2006.11.11 @ 08:17:27

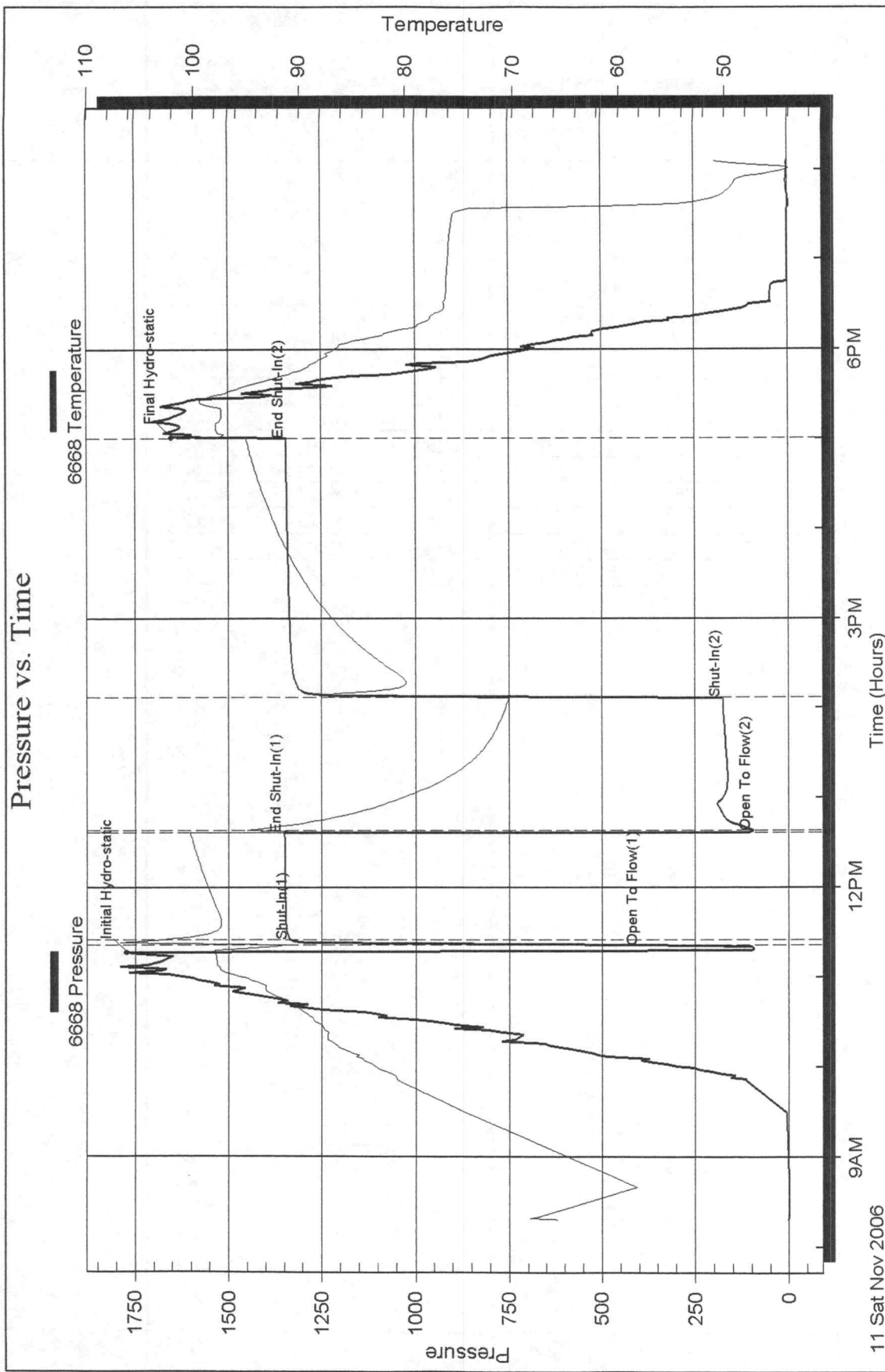
Gas Rates Information

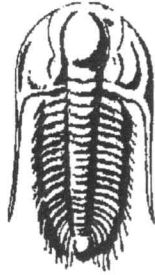
Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m³/d)
2	10	0.38	110.00	455.71
2	20	0.50	87.00	684.01
2	30	0.50	70.00	569.34
2	40	0.50	70.00	569.34
2	50	0.50	70.00	569.34
2	60	0.50	70.00	569.34
2	70	0.50	70.00	569.34
2	80	0.50	70.00	569.34
2	90	0.50	70.00	569.34

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Osage Resources**

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

7 33 14 Barber KS

Osage #104

Start Date: 2006.11.12 @ 07:15:33

End Date: 2006.11.12 @ 19:41:03

Job Ticket #: 25799 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

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #104

7 33 14 Barber KS

Job Ticket: 25799

DST#: 3

Test Start: 2006.11.12 @ 07:15:33

GENERAL INFORMATION:

Formation: **Topeka**

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

Time Tool Opened: 09:35:03

Time Test Ended: 19:41:03

Test Type: Conventional Bottom Hole

Tester: Travy Cushenbery

Unit No: 30

Interval: **3577.00 ft (KB) To 3592.00 ft (KB) (TVD)**

Total Depth: **3592.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **1893.00 ft (KB)**

1885.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 6668

Inside

Press@RunDepth: **1336.47 psig @ 3577.00 ft (KB)**

Start Date: **2006.11.12**

End Date:

2006.11.12

Capacity: **7000.00 psig**

Last Calib.: **2006.11.12**

Start Time: **07:15:38**

End Time:

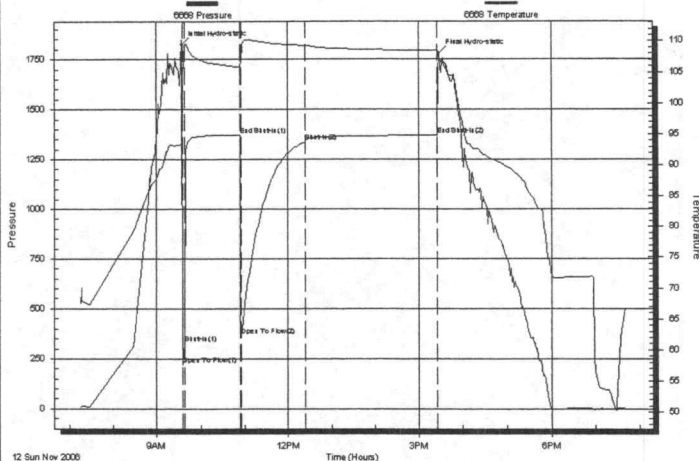
19:41:03

Time On Btm: **2006.11.12 @ 09:34:03**

Time Off Btm: **2006.11.12 @ 15:27:18**

TEST COMMENT: IF Strong blow BOB in 2 mins.
ISI Bled off No blow back
FF Strong blow Decreased blow to 8" in 90 mins.
FSI Bled off No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1823.12	93.42	Initial Hydro-static
1	219.82	103.56	Open To Flow (1)
5	328.22	109.12	Shut-In(1)
81	1372.76	105.83	End Shut-In(1)
81	364.96	106.80	Open To Flow (2)
170	1336.47	109.31	Shut-In(2)
352	1369.87	108.46	End Shut-In(2)
354	1779.74	106.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
561.00	Muddy Water 80%W 20%M	5.76
2186.00	Water 100%W	30.66
3.00	Mud 100%M	0.04

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources

Osage #104

1605 E 56th Ave
Hutchinson KS 67502

7 33 14 Barber KS

Job Ticket: 25799

DST#: 3

ATTN: Jim Musgrove

Test Start: 2006.11.12 @ 07:15:33

Tool Information

Drill Pipe:	Length: 3343.00 ft	Diameter: 3.80 inches	Volume: 46.89 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: 232.00 ft	Diameter: 2.25 inches	Volume: 1.14 bbl	Weight to Pull Loose:	56000.00 lb
		Total Volume:	48.03 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3577.00 ft			Final	54000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	14.00 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
Shut In Tool	5.00			3562.00	
Hydraulic tool	5.00			3567.00	
Packer	5.00			3572.00	20.00 Bottom Of Top Packer
Packer	5.00			3577.00	
Recorder	0.00	6668	Inside	3577.00	
Perforations	11.00			3588.00	
Recorder	0.00	13266	Outside	3588.00	
Bullnose	3.00			3591.00	14.00 Bottom Packers & Anchor

Total Tool Length: 34.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #104

7 33 14 Barber KS

Job Ticket: 25799

DST#: 3

Test Start: 2006.11.12 @ 07:15:33

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 7.98 in³

Resistivity: 0.49 ohm.m

Salinity: 6500.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity:

49000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
561.00	Muddy Water 80%W 20%M	5.756
2186.00	Water 100%W	30.664
3.00	Mud 100%M	0.042

Total Length: 2750.00 ft

Total Volume: 36.462 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

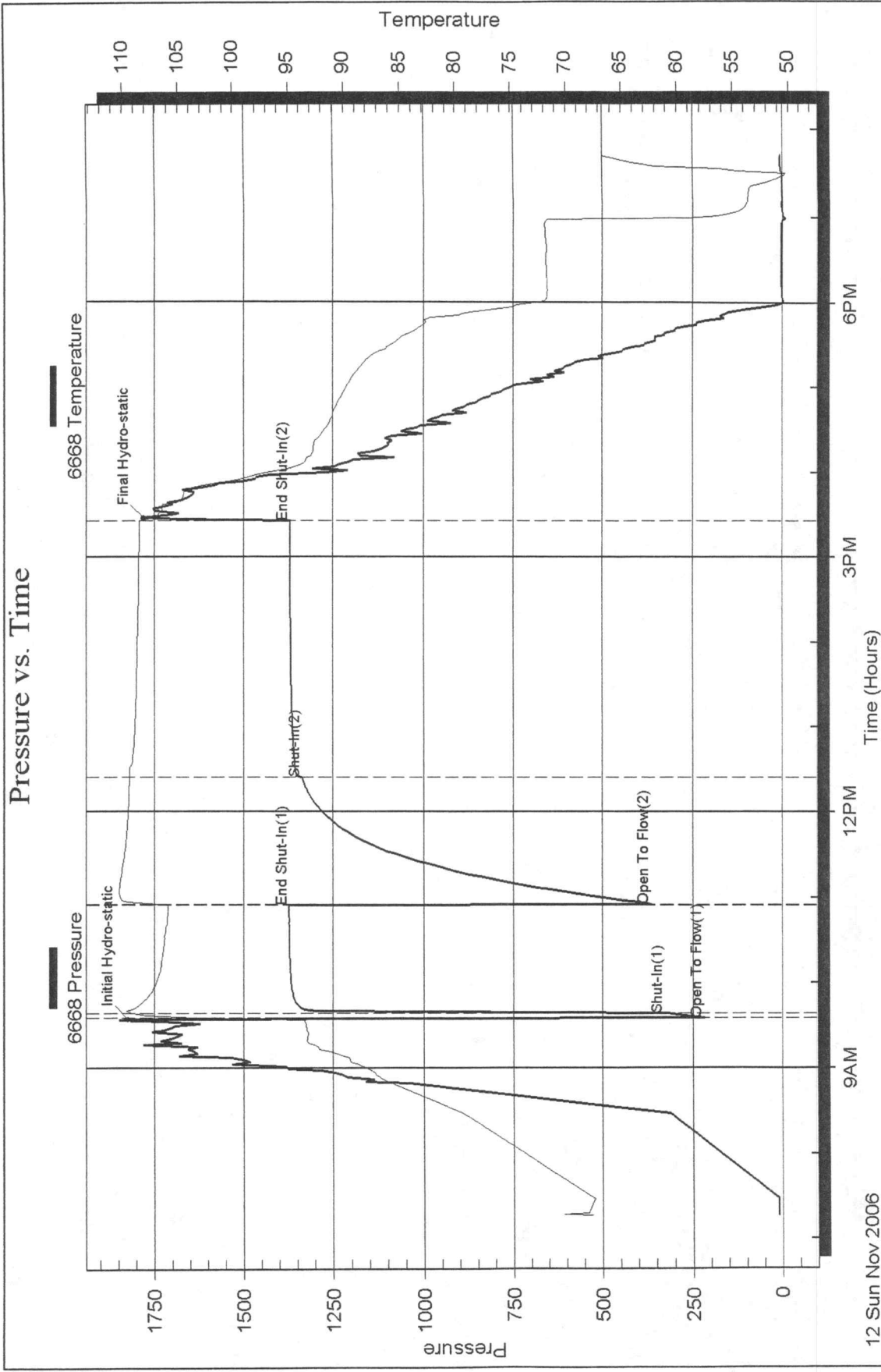
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Osage Resources**

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

7 33 14 Barber KS

Osage #104

Start Date: 2006.11.16 @ 08:56:59

End Date: 2006.11.16 @ 18:56:44

Job Ticket #: 25514 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

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #104

7 33 14 Barber KS

Job Ticket: 25514

DST#: 4

Test Start: 2006.11.16 @ 08:56:59

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:11:14

Time Test Ended: 18:56:44

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 19

Interval: **4784.00 ft (KB) To 4852.00 ft (KB) (TVD)**

Total Depth: 4852.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Poor

Reference Elevations: 1893.00 ft (KB)

1885.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6752

Inside

Press@RunDepth: 20.04 psig @ 4787.00 ft (KB)

Start Date: 2006.11.16

End Date:

2006.11.16

Start Time: 08:57:04

End Time:

18:56:44

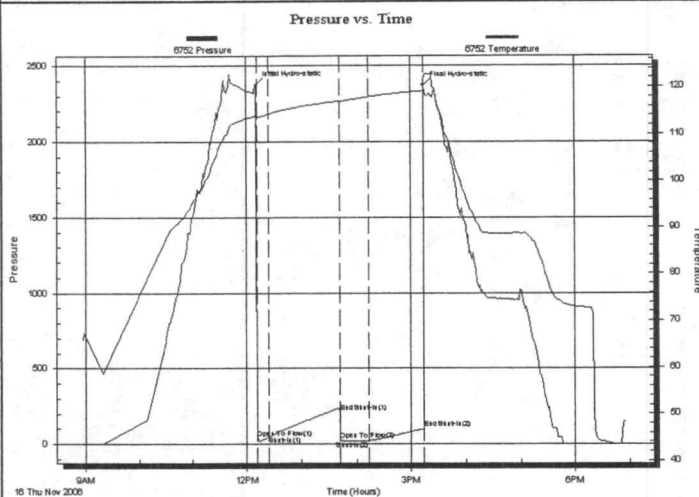
Capacity: 7000.00 psig

Last Calib.: 2006.11.16

Time On Btm: 2006.11.16 @ 12:10:44

Time Off Btm: 2006.11.16 @ 15:13:29

TEST COMMENT: IF Weak Blow 1 "
ISI No Blow back
FF Weak Blow 4 "
FSI No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2371.29	113.82	Initial Hydro-static
1	40.74	113.55	Open To Flow (1)
14	49.54	114.24	Shut-In(1)
91	212.97	116.98	End Shut-In(1)
91	24.10	116.93	Open To Flow (2)
122	20.04	117.84	Shut-In(2)
183	100.19	119.13	End Shut-In(2)
183	2368.21	121.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	SGCM 2%g 98%m	0.10

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources

Osage #104

1605 E 56th Ave
Hutchinson KS 67502

7 33 14 Barber KS

Job Ticket: 25514

DST#: 4

ATTN: Jim Musgrove

Test Start: 2006.11.16 @ 08:56:59

Tool Information

Drill Pipe:	Length: 4562.00 ft	Diameter: 3.80 inches	Volume: 63.99 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: 232.00 ft	Diameter: 2.25 inches	Volume: 1.14 bbl	Weight to Pull Loose:	68000.00 lb
		Total Volume:	65.13 bbl	Tool Chased	ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	4784.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	68.00 ft				
Tool Length:	87.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			4770.00		
Hydraulic tool	5.00			4775.00		
Packer	5.00			4780.00	19.00	Bottom Of Top Packer
Packer	4.00			4784.00		
Stubb	1.00			4785.00		
Perforations	2.00			4787.00		
Recorder	0.00	6752	Inside	4787.00		
Drill Pipe	62.00			4849.00		
Recorder	0.00	13255	Outside	4849.00		
Bullnose	3.00			4852.00	68.00	Bottom Packers & Anchor
Total Tool Length:	87.00					



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #104

7 33 14 Barber KS

Job Ticket: 25514

DST#: 4

Test Start: 2006.11.16 @ 08:56:59

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 6100.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	SGCM 2%g 98%m	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

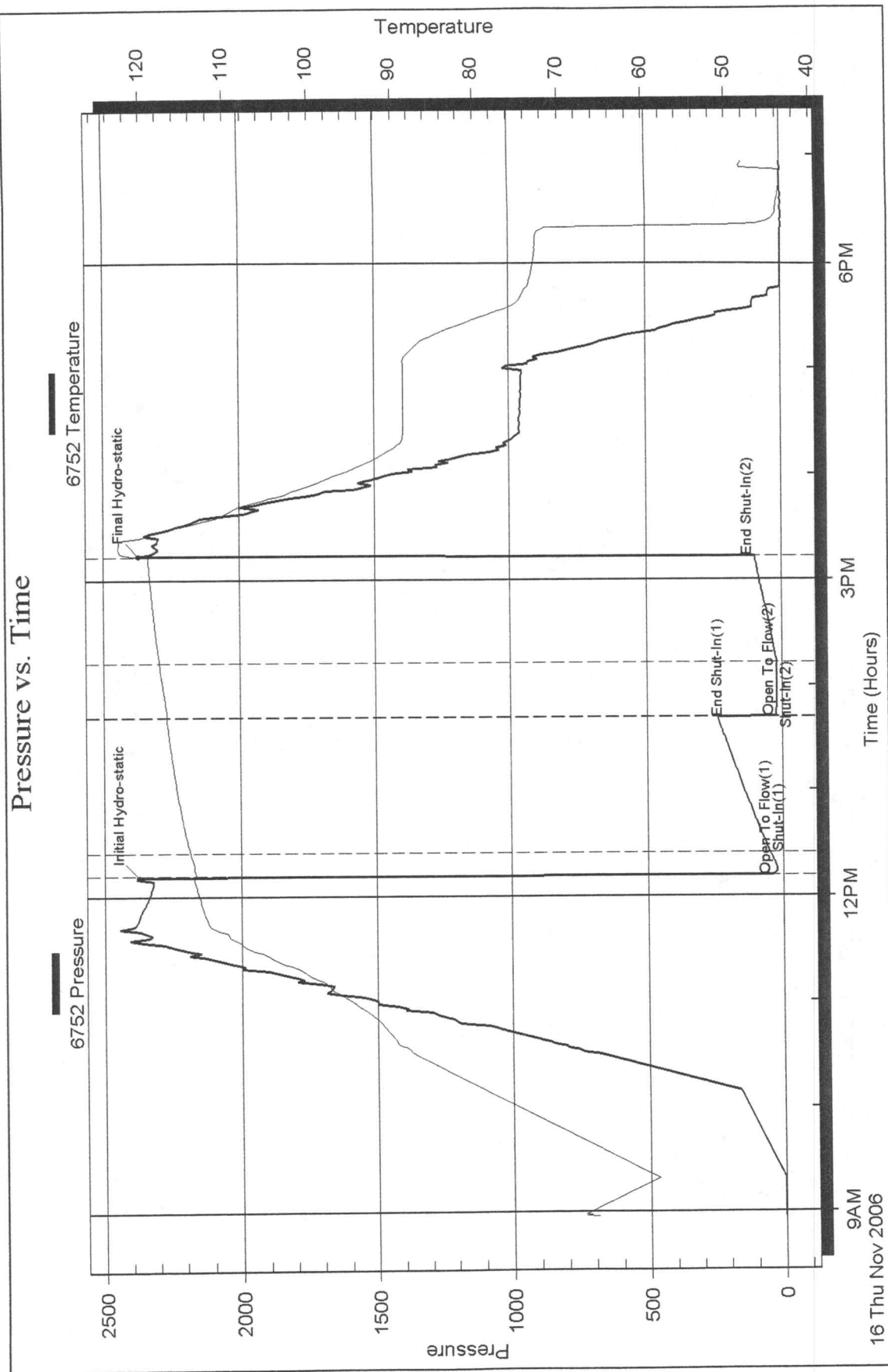
Num Gas Bombs: 0

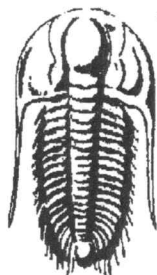
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Osage Resources**

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

7 33 14 Barber KS

Osage #104

Start Date: 2006.11.17 @ 19:30:30

End Date: 2006.11.18 @ 06:29:00

Job Ticket #: 25515

DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #104

7 33 14 Barber KS

Job Ticket: 25515

DST#: 5

Test Start: 2006.11.17 @ 19:30:30

GENERAL INFORMATION:

Formation: **Viola**

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

Time Tool Opened: 22:57:15

Time Test Ended: 06:29:00

Test Type: Conventional Bottom Hole

Tester: Leal Cason

Unit No: 19

Interval: 5080.00 ft (KB) To 5126.00 ft (KB) (TVD)

Total Depth: 5126.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Poor

Reference Elevations: 1893.00 ft (KB)

1885.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6752

Inside

Press@RunDepth: 21.12 psig @ 5081.00 ft (KB)

Start Date: 2006.11.17

End Date:

2006.11.18

Start Time: 19:30:35

End Time:

06:29:00

Capacity: 7000.00 psig

Last Calib.: 2006.11.18

Time On Btm: 2006.11.17 @ 22:56:45

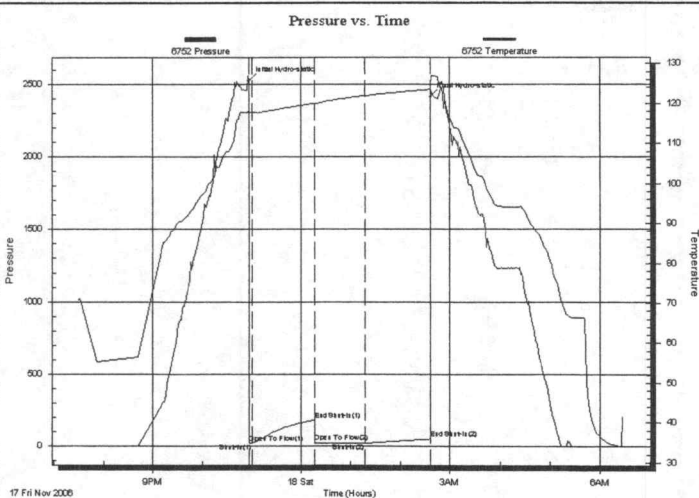
Time Off Btm: 2006.11.18 @ 02:36:59

TEST COMMENT: IF Weak Blow 1/4 "

ISI No Blow back

FF Weak Blow 3 "

FSI No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2523.70	118.25	Initial Hydro-static
1	22.46	117.94	Open To Flow (1)
4	22.51	117.73	Shut-In(1)
80	181.15	120.02	End Shut-In(1)
80	25.59	119.95	Open To Flow (2)
141	21.12	121.92	Shut-In(2)
220	52.22	123.52	End Shut-In(2)
221	2409.45	124.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM -1%O +99%Mud	0.02

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #104

7 33 14 Barber KS

Job Ticket: 25515

DST#: 5

Test Start: 2006.11.17 @ 19:30:30

Tool Information

Drill Pipe:	Length: 4843.00 ft	Diameter: 3.80 inches	Volume: 67.93 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: 232.00 ft	Diameter: 2.25 inches	Volume: 1.14 bbl	Weight to Pull Loose:	54000.00 lb
			Total Volume: 69.07 bbl	Tool Chased	ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	54000.00 lb
Depth to Top Packer:	5080.00 ft			Final	54000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	46.00 ft				
Tool Length:	66.00 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			5061.00	
Shut In Tool	5.00			5066.00	
Hydraulic tool	5.00			5071.00	
Packer	5.00			5076.00	20.00 Bottom Of Top Packer
Packer	4.00			5080.00	
Stubb	1.00			5081.00	
Recorder	0.00	6752	Inside	5081.00	
Perforations	3.00			5084.00	
Drill Pipe	31.00			5115.00	
Perforations	8.00			5123.00	
Recorder	0.00	13255	Outside	5123.00	
Bullnose	3.00			5126.00	46.00 Bottom Packers & Anchor

Total Tool Length: 66.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources

1605 E 56th Ave
Hutchinson KS 67502

ATTN: Jim Musgrove

Osage #104

7 33 14 Barber KS

Job Ticket: 25515

DST#: 5

Test Start: 2006.11.17 @ 19:30:30

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 4500.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM -1%O +99%Mud	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

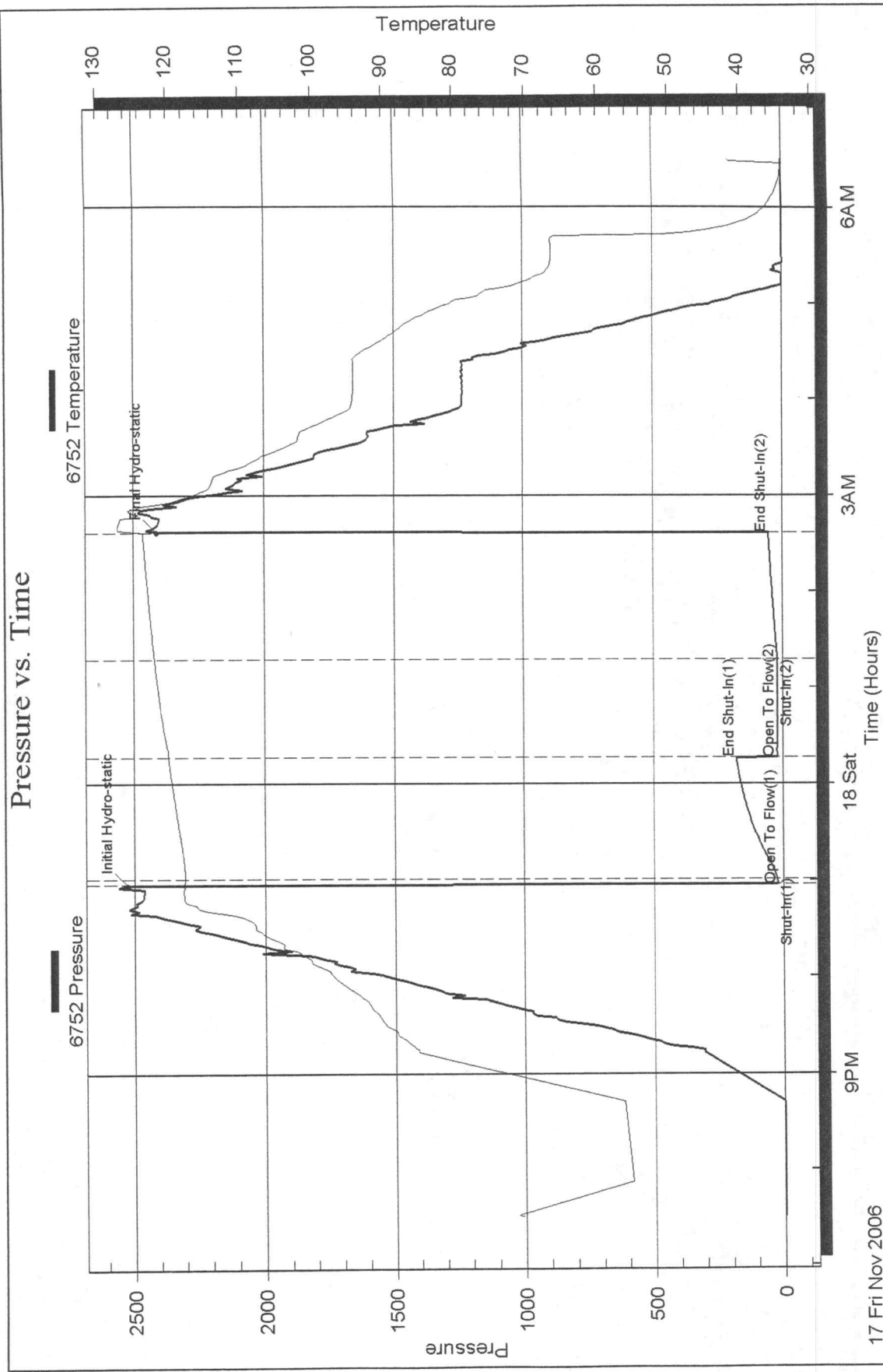
Num Gas Bombs: 0

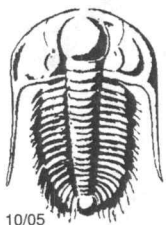
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

Test Ticket

9538✓

25797-

✓
dst 1-3
Travy
4-5
Leal

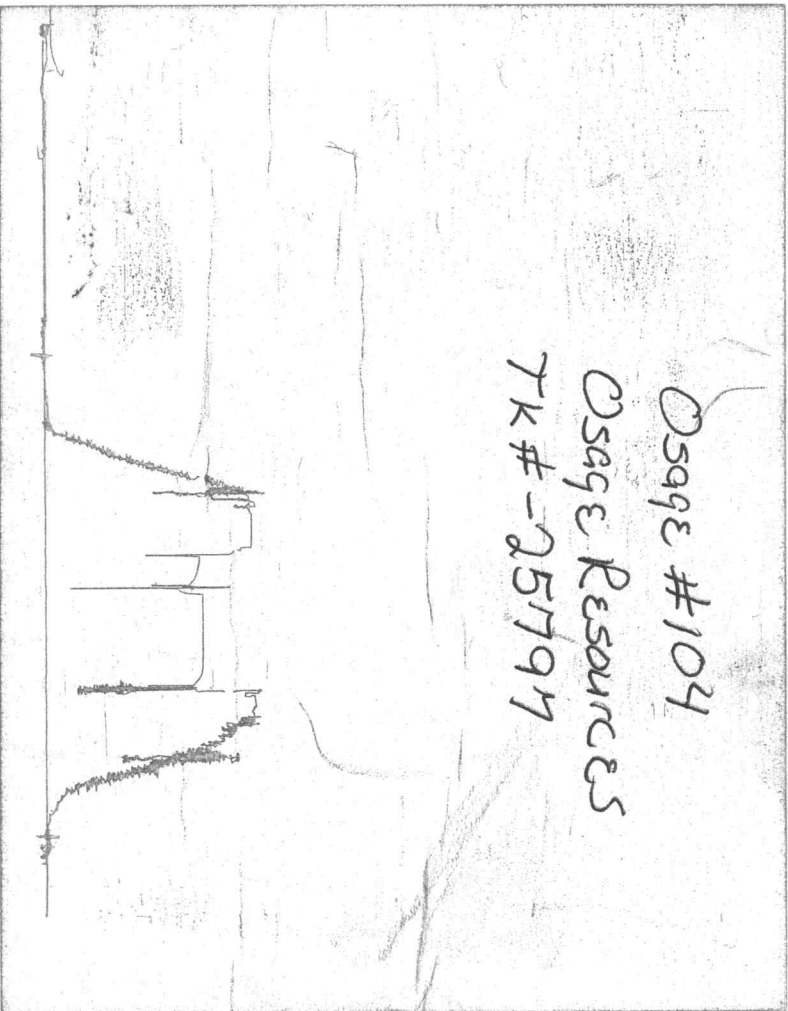
Well Name & No. <u>Osage #104</u>	Test No. <u>#1</u>	Date <u>11-7-06</u>
Company <u>Osage Resources</u>	Zone Tested <u>Osage KRIDER</u>	
Address <u>1605 E. 5th Ave. Hutchinson, KS 67502</u>	Elevation <u>1893'</u>	KB <u>1885'</u> GL
Co. Rep / Geo. <u>Jeff Dake</u>	Rig <u>Warren Rig 9</u>	
Location: Sec. <u>7</u> Twp. <u>33</u> Rge. <u>14</u>	Co. <u>BARBER</u>	State <u>KS</u>
Comment: _____		Release date / time: _____

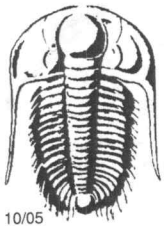
Interval Tested <u>2283' - 2307'</u>	Initial Str Wt./Lbs. <u>34,000</u>	Unseated Str Wt./Lbs. <u>34,000</u>
Anchor Length <u>24</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>40,000</u>
Top Packer Depth <u>2278'</u>	Tool Weight <u>2,100 lbs</u>	
Bottom Packer Depth <u>2283'</u>	Hole Size <u>7 7/8" ✓</u>	Rubber Size <u>6 3/4" ✓</u>
Total Depth <u>2307'</u>	Wt. Pipe Run <u>NONE</u>	Drill Collar Run <u>232'</u>
Mud Wt. <u>9.2</u> LCM <u>0</u> Vis. <u>42</u> WL <u>0</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>2307' 2041'</u>
Blow Description <u>IF: Strong blow. Building to 16" in 4 mins.</u>		
<u>ISI: Bled off, No blow back.</u>		
<u>FF: NO blow</u>		
<u>FSI: Bled off, No blow back.</u>		
Recovery - Total Feet <u>124</u>	GIP <u>NONE</u>	Ft. in DC <u>124'</u>
Rec. <u>124</u>	Feet of <u>Watery Mud</u>	%gas _____ %oil _____
Rec. _____	Feet of _____	50%water 50%mud
Rec. _____	Feet of _____	%water _____ %mud _____
Rec. _____	Feet of _____	%water _____ %mud _____
Rec. _____	Feet of _____	%water _____ %mud _____
BHT <u>87</u>	*F Gravity _____	*API D @ _____
RW <u>- .91</u>	@ <u>54</u> *F	*F Corrected Gravity _____ *API _____
	Chlorides <u>8,500</u> ppm	Recovery _____ Chlorides _____ ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1127</u> PSI	Alpine <u>1127</u> PSI	Recorder No. <u>6668</u>	Test <u>✓ 1100</u>
(B) First Initial Flow Pressure	<u>781</u> PSI	<u>781</u> PSI	(depth) <u>2283'</u>	Jars _____
(C) First Final Flow Pressure	<u>811</u> PSI	<u>811</u> PSI	Recorder No. <u>13266</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>833</u> PSI	<u>833</u> PSI	(depth) <u>2303'</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>579</u> PSI	<u>579</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>5746</u> PSI	<u>5746</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>826</u> PSI	<u>826</u> PSI	Initial Opening <u>3 mins.</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1100</u> PSI	<u>1100</u> PSI	Initial Shut-In <u>75 mins</u>	Shale Packer _____
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.			Final Flow <u>15 mins.</u>	Ruined Packer <u>137.6</u>
			Final Shut-In <u>30 mins</u>	Mileage <u>✓ 110 miles</u>
			T-On Location <u>21:30</u>	Sub Total: <u>1237.50</u>
			T-Started <u>23:41</u>	Std. By _____
			T-Open <u>02:10</u>	Acc. Chg: _____
			T-Pulled <u>04:23</u>	Other: _____
			T-Out <u>06:49</u>	Total: _____
Approved By _____				
Our Representative <u>Travy</u>				

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25798

Test Ticket

Well Name & No. Osage #104 Test No. #2 Date 11-11-06
 Company Osage Resources Zone Tested Topeka
 Address 1605 E. 56th Ave. Hutchinson, KS 67502 Elevation 1893' KB 1885' GL
 Co. Rep / Geo. Jim Musgrove Rig Huber Rig #9
 Location: Sec. 7 Twp. 33 Rge. 14 Co. Barber State KS
 Comment: _____ Release date / time: _____

Interval Tested 3527' - 3544' Initial Str Wt./Lbs. 44,000 Unseated Str Wt./Lbs. 46,000
 Anchor Length 14' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 46,000
 Top Packer Depth 3523' 0000' Tool Weight 2,100 lbs.
 Bottom Packer Depth 3527' 0000' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3561' Wt. Pipe Run None Drill Collar Run 232'
 Mud Wt. 8.8 LCM 0 Vis. 45 WL 8.0 Drill Pipe Size 4 1/2 XH Ft. Run 3281'
 Blow Description IF: Strong blow. B.O.B. immediately.
IST: Bled off. Strong blow back. Building to 7" in 75 mins.
EF: Strong blow. G.T.S. in 2 mins. (See gas table).
FST: Bled off. no blow back.

Recovery - Total Feet 232' GIP G.T.S. 3544' Ft. in DC 232' Ft. in DP _____
 Rec. 30 Feet of Muddy water 10% gas _____ %oil 30 %water 70 %mud
 Rec. 202 Feet of Drilling mud. 10% gas _____ %oil _____ %water 80 %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 95 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 3,000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1,795 PSI	Recorder No.	<u>60608</u>	Test	<u>✓ 1100</u>
(B) First Initial Flow Pressure			<u>398</u> PSI	(depth)	<u>3528'</u>	Jars	
(C) First Final Flow Pressure			<u>1,335</u> PSI	Recorder No.	<u>132160</u>	Safety Jt.	
(D) Initial Shut-In Pressure			<u>1,351</u> PSI	(depth)	<u>3542'</u>	Circ Sub	
(E) Second Initial Flow Pressure			<u>916</u> PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure			<u>176</u> PSI	(depth)		Straddle	
(G) Final Shut-In Pressure			<u>1,343</u> PSI	Initial Opening	<u>3-mins</u>	Ext. Packer	
(Q) Final Hydrostatic Mud			<u>1,724</u> PSI	Initial Shut-In	<u>75-mins</u>	Shale Packer	
				Final Flow	<u>90-mins</u>	Ruined Packer	
				Final Shut-In	<u>180-mins</u>	Mileage	<u>✓ 110 miles</u> ^{137.5}
				T-On Location	<u>05:30</u>	Sub Total:	
				T-Started	<u>08:17</u>	Std. By <u>6.5</u>	<u>650</u>
				T-Open	<u>11:22</u>	Acc. Chg:	<u>1887.50</u>
				T-Pulled	<u>17:10</u>	Other:	
				T-Out	<u>20:05</u>	Total:	<u>2 day 2000</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 David Kerns
 Our Representative Travis Lushenberry



GAS VOLUME REPORT

OPERATOR

WELL NAME AND NO.

DST NO

FF:

Field Report

FF:

ATMS 2000

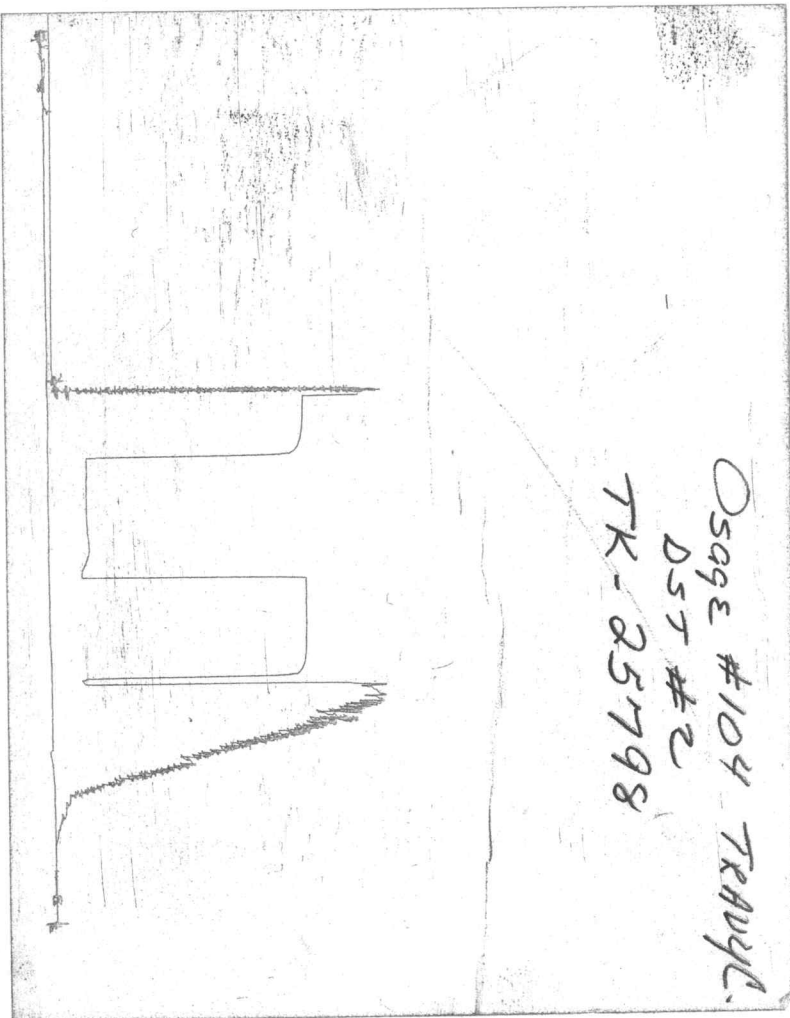
[illegible]

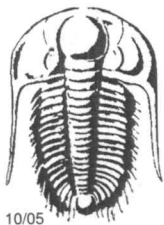
Remarks:

CHART PAGE

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

OSAGE #104 TRAVEL
DST #2
TK-25798





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25799

Test Ticket

Well Name & No. Odage #104 Test No. #3 Date 11-12-06
Company Odage Resources Zone Tested ~~Odage~~ Topeka
Address 1605 E. 56th Ave. Hutchinson, KS 67502 Elevation 1895' KB 1885' GL
Co. Rep / Geo. Jim Musgrove Rig Warren Rig #9
Location: Sec. 7 Twp. 33 Rge. 14 Co. Bailey State KS
Comment: _____ Release date / time: _____

Interval Tested 3577' - 3592' Initial Str Wt./Lbs. 44,000 Unseated Str Wt./Lbs. _____
Anchor Length 15' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. _____
Top Packer Depth 3572' Tool Weight 2,100 lbs.
Bottom Packer Depth 3577' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
Total Depth 3592' Wt. Pipe Run NONE Drill Collar Run 232'
Mud Wt. 9.3 LCM 0 Vis. 52 WL 8.0 Drill Pipe Size 4 1/2 XH Ft. Run 3343'
Blow Description TF: Strong blow. B.O.B. in 2 mins.
ISI: Bled off. NO blow back.
FF: Strong blow. B.O.B. in 1 min. Decreased blow to 8" in 90 mins
ISI: Bled off.

Recovery - Total Feet 2750 GIP NONE Ft. in DC 232 Ft. in DP 2518
Rec. 501 Feet of Muddy water %gas _____ %oil _____ %water 80 %mud 20
Rec. 2186 Feet of Water %gas _____ %oil _____ %water 100 %mud _____
Rec. 3 Feet of Mud %gas _____ %oil _____ %water 100 %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
BHT 108 °F Gravity _____ °API D @ _____ °F Corrected Gravity 107.000 °API
RW .49 @ 27 °F Chlorides _____ ppm Recovery 49,000 Chlorides 6,500 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud		<u>1848</u> PSI	Recorder No.	<u>66668</u>	Test <u>✓</u> <u>11008</u>
(B) First Initial Flow Pressure		<u>220</u> PSI	(depth)	<u>3577'</u>	Jars _____
(C) First Final Flow Pressure		<u>328</u> PSI	Recorder No.	<u>13266</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>1373</u> PSI	(depth)	<u>3588'</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>365</u> PSI	Recorder No.	<u>—</u>	Sampler _____
(F) Second Final Flow Pressure		<u>1336</u> PSI	(depth)	<u>—</u>	Straddle _____
(G) Final Shut-In Pressure		<u>1370</u> PSI	Initial Opening	<u>3 mins</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1780</u> PSI	Initial Shut-In	<u>75 mins</u>	Shale Packer _____
			Final Flow	<u>90 mins</u>	Ruined Packer _____
			Final Shut-In	<u>180 mins</u>	Mileage <u>✓ 110 miles</u>
			T-On Location	<u>06:30</u>	Sub Total: _____
			T-Started	<u>07:15</u>	Std. By <u>5 1/2 hrs 55</u>
			T-Open	<u>09:35</u>	Acc. Chg: _____
			T-Pulled	<u>15:25</u>	Other: <u>1787</u>
			T-Out	<u>19:41</u>	Total: _____

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 [Signature]
Our Representative Travis Lushenbury

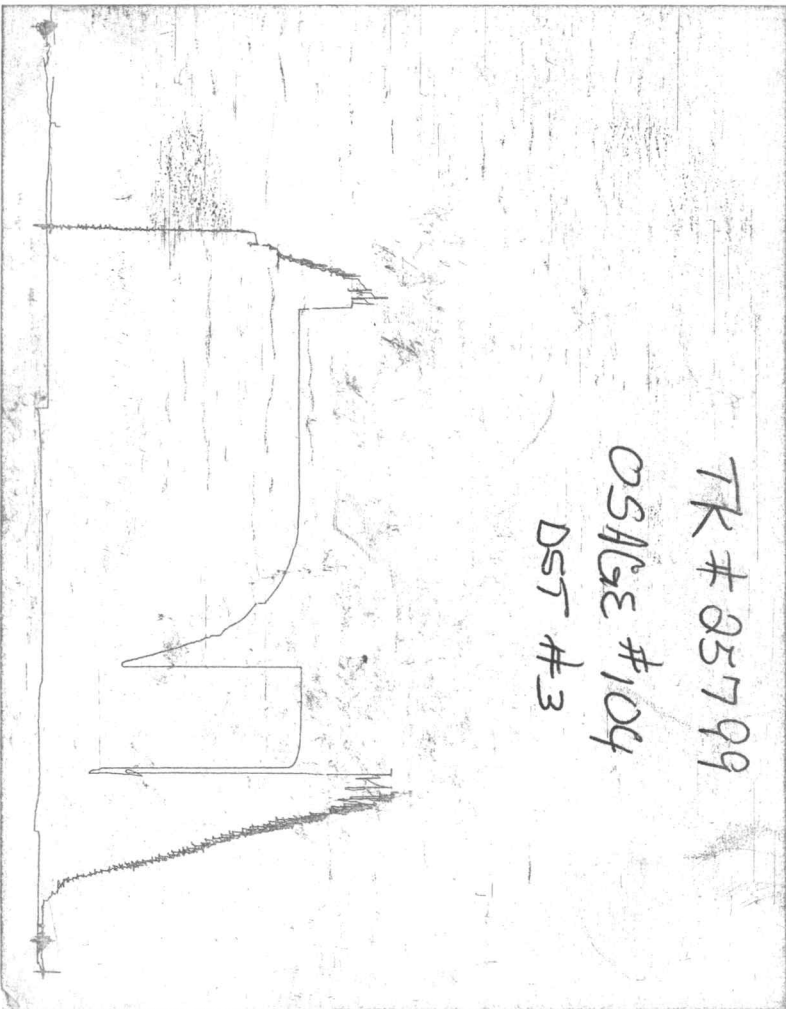
CHART PAGE

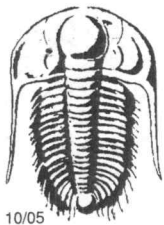
This is a photocopy of the actual AK-1 recorder chart.

TK # 05799

OSAGE #104

DST #3





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25514

Test Ticket

Well Name & No. Osage # 104 Test No. 4 Date 11-16-06
 Company Osage Resources Zone Tested Mississippi
 Address 1605 E. 56th Ave Hutchinson KS 67502 Elevation 1893 KB 1885 GL
 Co. Rep / Geo. Jim Musgrave Rig Warren Drilling Rig # 9
 Location: Sec. 7 Twp. 33 Rge. 14 Co. Barber State KS
 Comment: _____ Release date / time: _____

Interval Tested 4784 — 4852 Initial Str Wt./Lbs. 52000 Unseated Str Wt./Lbs. 52000
 Anchor Length _____ 68 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 68000
 Top Packer Depth _____ 4780 Tool Weight 2100
 Bottom Packer Depth _____ 4784 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth _____ 4852 Wt. Pipe Run N/A Drill Collar Run 232'
 Mud Wt. 9.5 LCM 1 Vis. 47 WL 8.8 Drill Pipe Size 4 1/2 Ft. Run 4852

Blow Description IF: weak blow, 1"

ISI: no blowback

FF: weak blow, 4"

FSI: no blowback

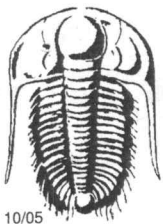
Recovery - Total Feet 20 GIP _____ Ft. in DC 20 Ft. in DP _____
 Rec. 20 Feet of SGCM 2 %gas %oil %water 78 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 119 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ NC °F Chlorides NC ppm Recovery NC Chlorides 6100 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	Recorder No.	<u>6752</u>	Test	<u>✓ 1100</u>
(B) First Initial Flow Pressure		<u>2440</u> PSI	(depth)	<u>4787</u>	Jars	
(C) First Final Flow Pressure		<u>50</u> PSI	Recorder No.	<u>13255</u>	Safety Jt.	
(D) Initial Shut-In Pressure		<u>213</u> PSI	(depth)	<u>4849</u>	Circ Sub	
(E) Second Initial Flow Pressure		<u>24</u> PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		<u>20</u> PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		<u>100</u> PSI	Initial Opening	<u>12</u>	Ext. Packer	
(Q) Final Hydrostatic Mud		<u>2368</u> PSI	Initial Shut-In	<u>75</u>	Shale Packer	
			Final Flow	<u>30</u>	Ruined Packer	
			Final Shut-In	<u>60</u>	Mileage <u>110</u> 124 <u>137.50</u>	
			T-On Location	<u>0815</u>	Sub Total:	
			T-Started	<u>0856</u>	Std. By <u>1.75</u> <u>175</u>	
			T-Open	<u>1211</u>	Acc. Chg:	
			T-Pulled	<u>1512</u>	Other:	
			T-Out	<u>1856</u>	Total:	<u>61412.50</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 _____



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25515

Test Ticket

Well Name & No. Osage #104 Test No. 5 Date 11-17-06
Company Osage Resources Zone Tested _____
Address 1605 E 56th Ave Hutchinson KS 67202 Elevation 1893 KB 1885 GL
Co. Rep / Geo. Jim Musgrove Rig Watten Drilling rig #9
Location: Sec. 7 Twp. 33 Rge. 14 Co. Barber State KS
Comment: _____ Release date / time: _____

Interval Tested 5080 — 5126 Initial Str Wt./Lbs. 54000 Unseated Str Wt./Lbs. 54000
Anchor Length _____ 46 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 54000
Top Packer Depth _____ 5076 Tool Weight 2100
Bottom Packer Depth _____ 5080 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
Total Depth _____ 5126 Wt. Pipe Run _____ Drill Collar Run 232
Mud Wt. 9.4 LCM 1 Vis. 44 WL 8.8 Drill Pipe Size 4 1/2 Ft. Run 4843

Blow Description IF: weak Blow, 14"
ISI: no Blowback
FF: weak Blow, 3"
FSTI: no Blowback

Recovery - Total Feet 5 GIP _____ Ft. in DC 5 Ft. in DP _____
Rec. 5 Feet of Socm %gas 1- %oil _____ %water 99% %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 123 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2582</u> PSI	<u>6752</u>	✓ <u>1300</u>
(B) First Initial Flow Pressure		<u>22</u> PSI	(depth) <u>5081</u>	Jars _____
(C) First Final Flow Pressure		<u>22</u> PSI	Recorder No. <u>13255</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>181</u> PSI	(depth) <u>5123</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>26</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>21</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>52</u> PSI	Initial Opening <u>3</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>2552</u> PSI	Initial Shut-In <u>75</u>	Shale Packer _____

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 Dave Jensen

Our Representative _____

Final Flow 60
Final Shut-In 75
T-On Location 1845
T-Started 1930
T-Open 2257
T-Pulled 0236
T-Out 0629
Test ✓ 1300
Jars _____
Safety Jt. _____
Circ Sub _____
Sampler _____
Straddle _____
Ext. Packer _____
Shale Packer _____
Ruined Packer _____
Mileage 120 110 137.50
Sub Total: 8
Std. By 1.75 175
Acc. Chg: _____
Other: _____
Total: \$ 1612.50

CHART PAGE

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

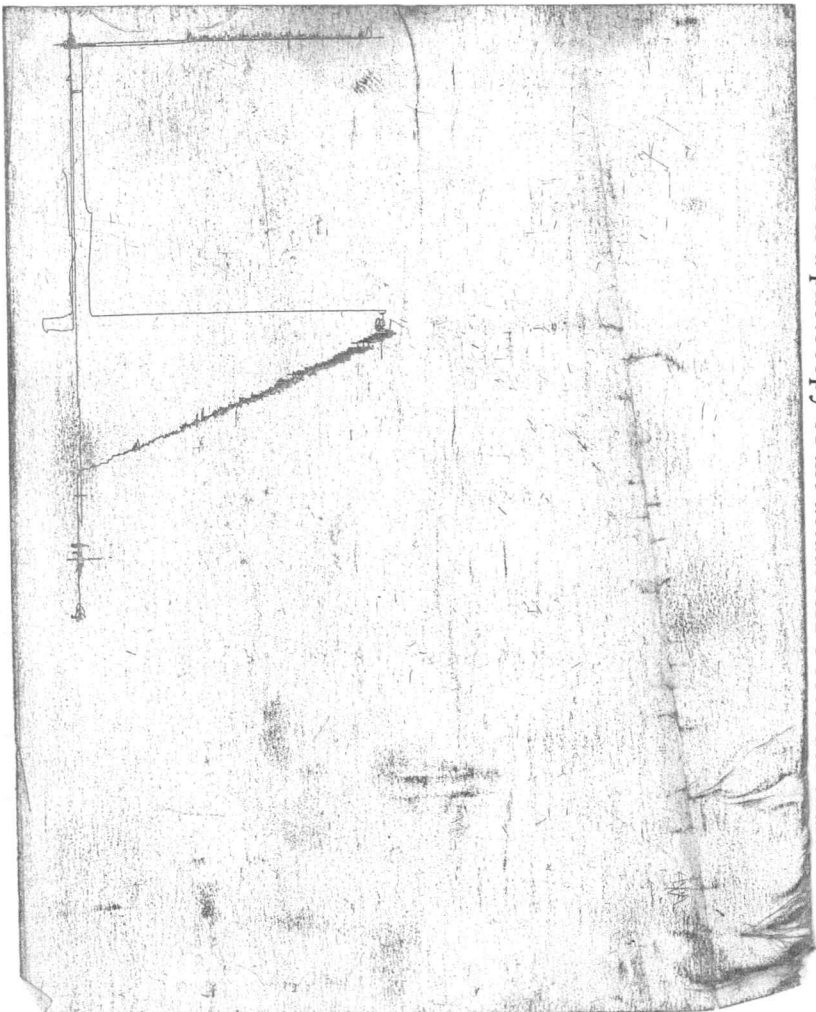


CHART PAGE

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

