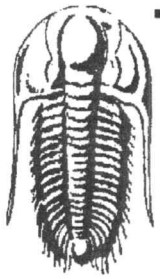


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Osage Resources LLC**

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

31 32 14W Barber KS

Osage #103

Start Date: 2006.10.24 @ 17:52:38
End Date: 2006.10.25 @ 06:03:08
Job Ticket #: 25480 DST #: 1

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 25480 **DST#: 1**

Test Start: 2006.10.24 @ 17:52:38

GENERAL INFORMATION:

Formation: **Krider**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:30:38
Time Test Ended: 06:03:08

Test Type: Conventional Bottom Hole
Tester: Davy Cline/ Zach Sto
Unit No: 23

Interval: 2316.00 ft (KB) To 2348.00 ft (KB) (TVD)
Total Depth: 2348.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

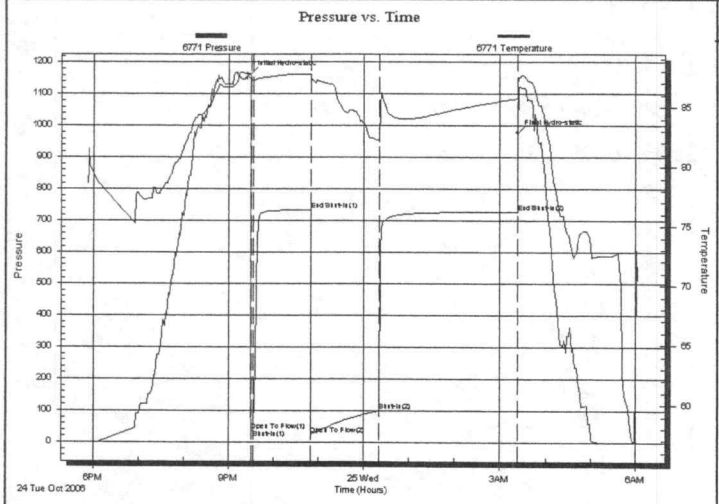
Reference Elevations: 1958.00 ft (KB)
1951.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6771 **Inside**

Press@RunDepth: 99.87 psig @ 2317.00 ft (KB)
Start Date: 2006.10.24 End Date: 2006.10.25
Start Time: 17:52:43 End Time: 06:03:08

Capacity: 7000.00 psig
Last Calib.: 2006.10.25
Time On Btm: 2006.10.24 @ 21:28:53
Time Off Btm: 2006.10.25 @ 03:21:53

TEST COMMENT: IF Fair to strong blow BOB 3 min.
ISI Bled off No blow back
FF Strong blow BOB Immediately GTS 10 min. Gauged gas
FSI Bled off No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1161.65	87.38	Initial Hydro-static
2	36.00	87.15	Open To Flow (1)
5	38.71	87.24	Shut-In(1)
81	733.89	87.71	End Shut-In(1)
82	23.21	87.48	Open To Flow (2)
172	99.87	82.15	Shut-In(2)
353	729.38	85.71	End Shut-In(2)
354	977.71	86.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	GCWM 10%G 50%W 40%M	0.39
0.00	Gas in all fluid free pipe	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	5.00	30.78
Last Gas Rate	0.25	45.00	94.23
Max. Gas Rate	0.25	45.00	94.23

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 25480 **DST#: 1**

Test Start: 2006.10.24 @ 17:52:38

Tool Information

Drill Pipe:	Length:	2093.00 ft	Diameter:	3.25 inches	Volume:	21.48 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:	236.00 ft	Diameter:	2.25 inches	Volume:	1.16 bbl	Weight to Pull Loose:		65000.00 lb
					Total Volume:	22.64 bbl	Tool Chased		8.00 ft
Drill Pipe Above KB:		34.00 ft					String Weight:	Initial	56000.00 lb
Depth to Top Packer:		2316.00 ft						Final	56000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		32.00 ft							
Tool Length:		53.00 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			2296.00		
Shut In Tool	5.00			2301.00		
Hydraulic tool	5.00			2306.00		
Packer	5.00			2311.00	21.00	Bottom Of Top Packer
Packer	5.00			2316.00		
Stubb	1.00			2317.00		
Recorder	0.00	6771	Inside	2317.00		
Perforations	26.00			2343.00		
Recorder	0.00	13789	Outside	2343.00		
Bullnose	5.00			2348.00	32.00	Bottom Packers & Anchor
Total Tool Length:	**53.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 25480 **DST#: 1**

Test Start: 2006.10.24 @ 17:52:38

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:	41000 ppm
Viscosity:	43.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	13.55 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	38000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	GCWM 10%G 50%W 40%M	0.393
0.00	Gas in all fluid free pipe	0.000

Total Length: 80.00 ft Total Volume: 0.393 bbl

Num Fluid Samples: 1 Num Gas Bombs: 0 Serial #: DC

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments: .20 ohms @ 63 deg.

DRILL STEM TEST REPORT

GAS RATES

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 25480 **DST#: 1**

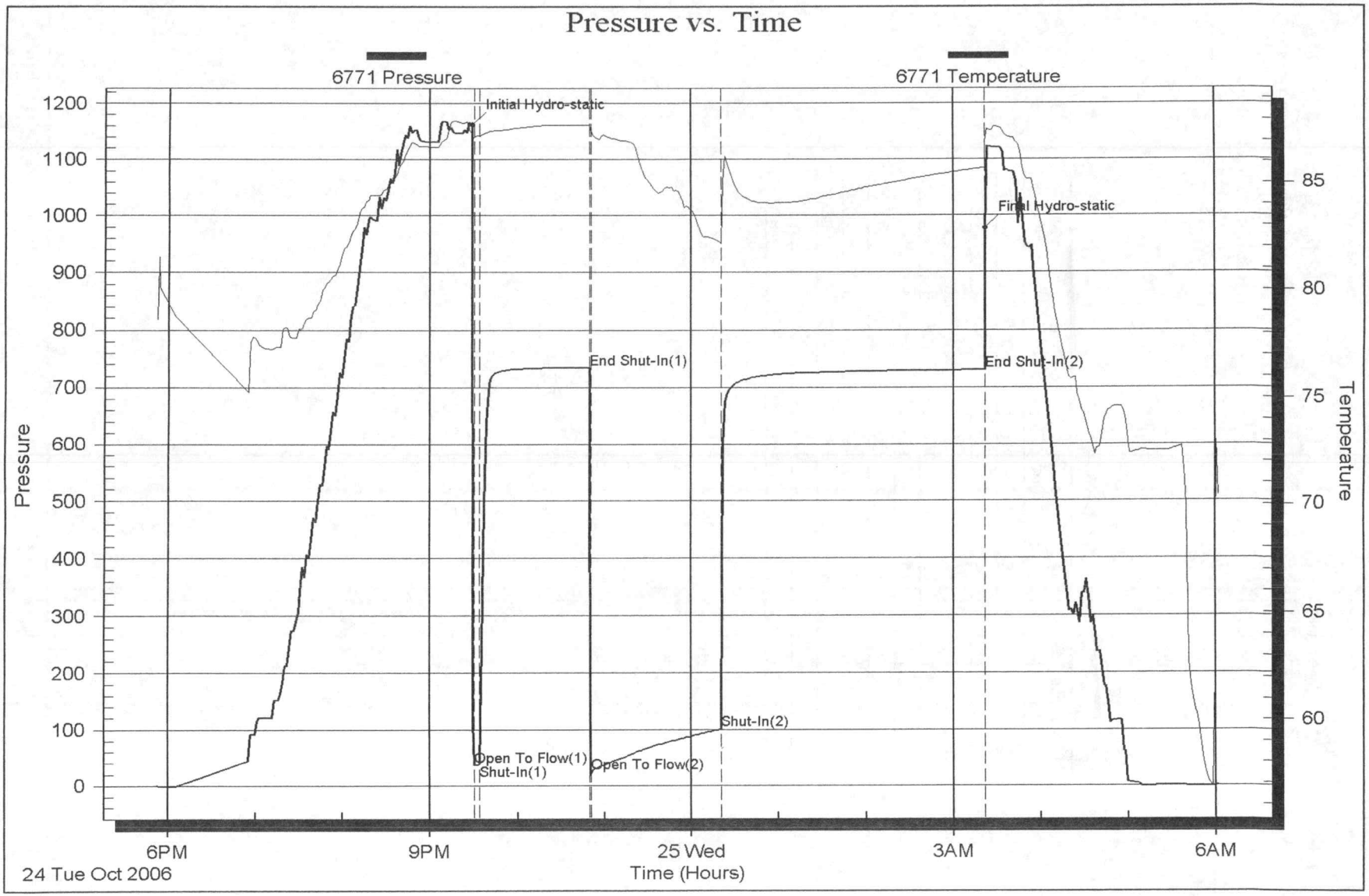
Test Start: 2006.10.24 @ 17:52:38

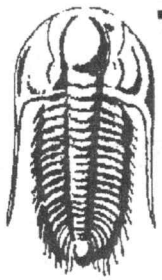
Gas Rates Information

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)
2	15	0.25	5.00	30.78
2	15	0.25	5.00	30.78
2	25	0.25	10.50	39.50
2	35	0.25	20.00	54.57
2	45	0.25	26.00	64.09
2	55	0.25	32.00	73.61
2	65	0.25	36.00	79.96
2	75	0.25	40.00	86.30
2	85	0.25	43.00	91.06
2	90	0.25	45.00	94.23


Pressure vs. Time
6771 Pressure
6771 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Pressure
Temperature
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
85
80
75
70
65
60
6PM
9PM
25 Wed
3AM
6AM
24 Tue Oct 2006
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Osage Resources LLC**

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

31 32 14W Barber KS

Osage #103

Start Date: 2006.10.26 @ 05:28:04
End Date: 2006.10.26 @ 17:30:17
Job Ticket #: 25481 DST #: 2

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 25481 **DST#: 2**

Test Start: 2006.10.26 @ 05:28:04

GENERAL INFORMATION:

Formation: **Wreford**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:22:49
Time Test Ended: 17:30:17

Test Type: Conventional Bottom Hole
Tester: Davy Cline/ Zach Sto
Unit No: 23

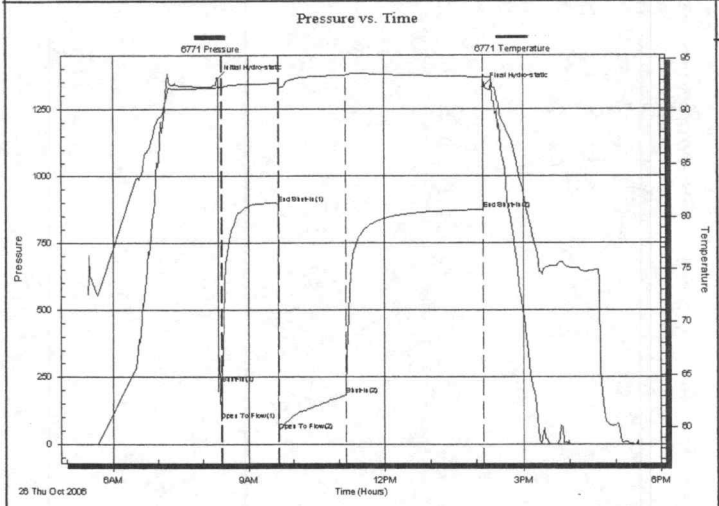
Interval: 2632.00 ft (KB) To 2655.00 ft (KB) (TVD)
Total Depth: 2348.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1958.00 ft (KB)
1951.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6771 **Inside**
Press@RunDepth: 182.84 psig @ 2633.00 ft (KB)
Start Date: 2006.10.26 End Date: 2006.10.26
Start Time: 05:28:09 End Time: 17:30:17

Capacity: 7000.00 psig
Last Calib.: 2006.10.26
Time On Btm: 2006.10.26 @ 08:19:34
Time Off Btm: 2006.10.26 @ 14:09:04

TEST COMMENT: IF Strong blow BOB in 2 min.
ISI No blow
FF Strong blow BOB in 1 min.
FSI Fair blow Built to 8 in.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1363.17	92.34	Initial Hydro-static
4	89.63	92.22	Open To Flow (1)
6	226.47	92.25	Shut-In(1)
80	899.26	92.66	End Shut-In(1)
81	51.94	92.24	Open To Flow (2)
170	182.84	93.42	Shut-In(2)
349	875.50	93.26	End Shut-In(2)
350	1331.02	93.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	HWCM 76%W 24%M	1.76
50.00	SG & WCM 2%G 18%W 80%M	0.51
0.00	RW= .20 @ 63 DEG. 41000 ppm.	0.00
0.00		0.00

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 25481 **DST#: 2**

Test Start: 2006.10.26 @ 05:28:04

Tool Information

Drill Pipe:	Length:	2371.00 ft	Diameter:	3.25 inches	Volume:	24.33 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	266.00 ft	Diameter:	2.25 inches	Volume:	1.31 bbl	
					Total Volume:	25.64 bbl	

Drill Pipe Above KB:	26.00 ft
Depth to Top Packer:	2632.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	23.00 ft
Tool Length:	44.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2100.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	85000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	52000.00 lb
Final	58000.00 lb

Tool Comments:
Slid 10 ft. to bottom.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			2612.00		
Shut In Tool	5.00			2617.00		
Hydraulic tool	5.00			2622.00		
Packer	5.00			2627.00	21.00	Bottom Of Top Packer
Packer	5.00			2632.00		
Stubb	1.00			2633.00		
Recorder	0.00	6771	Inside	2633.00		
Perforations	17.00			2650.00		
Recorder	0.00	13789	Outside	2650.00		
Bullnose	5.00			2655.00	23.00	Bottom Packers & Anchor
Total Tool Length:	**44.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 25481 **DST#: 2**

Test Start: 2006.10.26 @ 05:28:04

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	13.55 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	60000.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

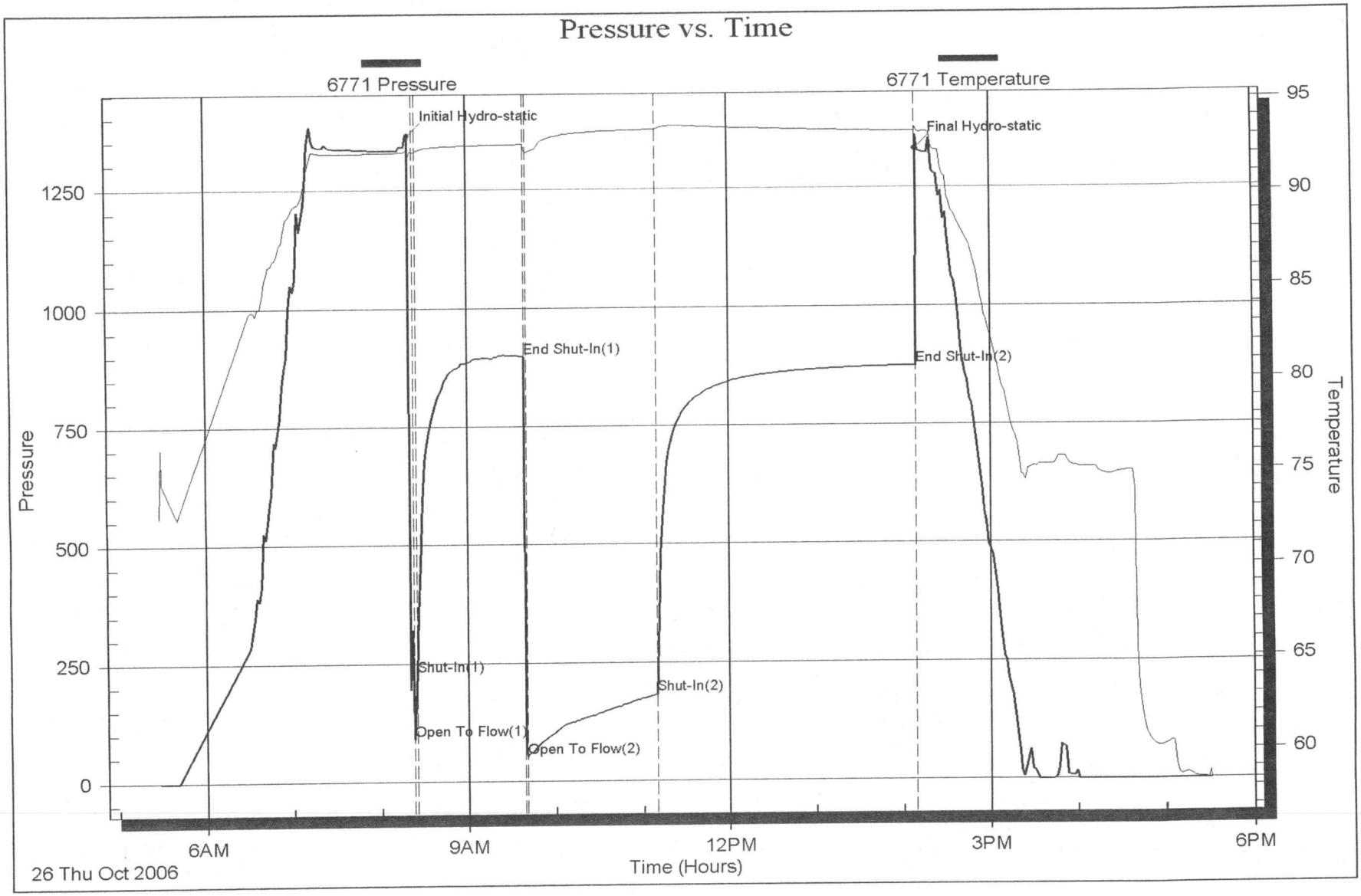
Length ft	Description	Volume bbl
310.00	HWCM 76%W 24%M	1.760
50.00	SG & WCM 2%G 18%W 80%M	0.513
0.00	RW= .20 @ 63 DEG. 41000 ppm.	0.000
0.00		0.000

Total Length: 360.00 ft Total Volume: 2.273 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #: zs

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments:


Pressure vs. Time
6771 Pressure
6771 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
1250
1000
750
500
250
0
95
90
85
80
75
70
65
60
6AM
9AM
12PM
3PM
6PM
Time (Hours)
26 Thu Oct 2006

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Osage Resources LLC**

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

31 32 14W Barber KS

Osage #103

Start Date: 2006.10.31 @ 06:01:27
End Date: 2006.10.31 @ 19:52:42
Job Ticket #: 25792 DST #: 3

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 25792 **DST#: 3**

Test Start: 2006.10.31 @ 06:01:27

GENERAL INFORMATION:

Formation: **Lansing "B"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:03:12
Time Test Ended: 19:52:42

Test Type: Conventional Bottom Hole
Tester: Travy Cushenbery
Unit No: 30

Interval: 4300.00 ft (KB) To 4320.00 ft (KB) (TVD)
Total Depth: 4320.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

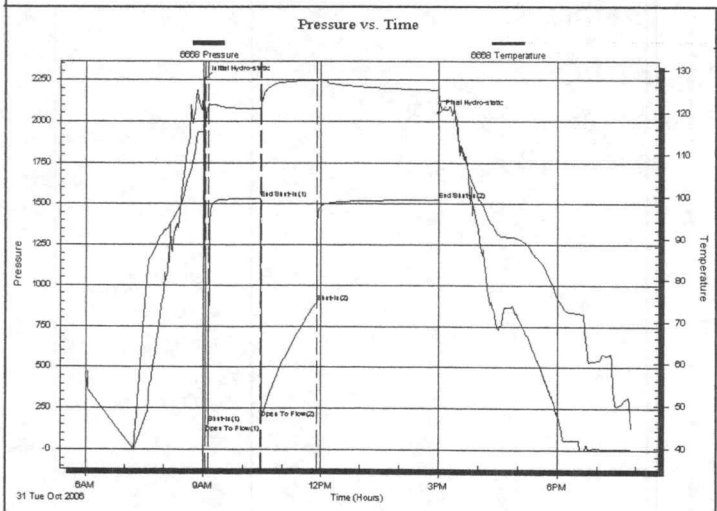
Reference Elevations: 1958.00 ft (KB)
1951.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6668 **Inside**

Press@RunDepth: 891.46 psig @ 4300.00 ft (KB)
Start Date: 2006.10.31 End Date: 2006.10.31
Start Time: 06:01:32 End Time: 19:52:42

Capacity: 7000.00 psig
Last Calib.: 2006.10.31
Time On Btm: 2006.10.31 @ 09:02:12
Time Off Btm: 2006.10.31 @ 14:59:42

TEST COMMENT: FF Strong blow BOB immediately
ISI Bled off No blow No blow back
FF Strong blow BOB in 30 secs. GTS in 55 mins. (Too small to measure)
FSI Bled off Strong blow Building to 5 " in 180 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2250.66	115.94	Initial Hydro-static
1	99.05	117.34	Open To Flow (1)
5	156.89	121.63	Shut-In(1)
85	1531.73	120.81	End Shut-In(1)
86	187.81	120.78	Open To Flow (2)
171	891.46	127.41	Shut-In(2)
357	1526.87	125.27	End Shut-In(2)
358	2047.25	125.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Muddy Water 50%W 50%M	0.34
310.00	Watery Mud 66%W 34%M	2.48
1620.00	Gassy Water 1%G 99%W	22.72

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 25792 **DST#: 3**

Test Start: 2006.10.31 @ 06:01:27

Tool Information

Drill Pipe:	Length:	4035.00 ft	Diameter:	3.80 inches	Volume:	56.60 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	275.00 ft	Diameter:	2.25 inches	Volume:	1.35 bbl	
					Total Volume:	57.95 bbl	

Drill Pipe Above KB:	30.00 ft
Depth to Top Packer:	4300.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	20.00 ft
Tool Length:	40.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2100.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	82000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	70000.00 lb
Final	82000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			4285.00		
Hydraulic tool	5.00			4290.00		
Packer	5.00			4295.00	20.00	Bottom Of Top Packer
Packer	5.00			4300.00		
Recorder	0.00	6668	Inside	4300.00		
Perforations	17.00			4317.00		
Recorder	0.00	13266	Outside	4317.00		
Bullnose	3.00			4320.00	20.00	Bottom Packers & Anchor
Total Tool Length:	**40.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 25792 **DST#: 3**

Test Start: 2006.10.31 @ 06:01:27

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	28000 ppm
Viscosity:	42.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	16.76 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	9000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

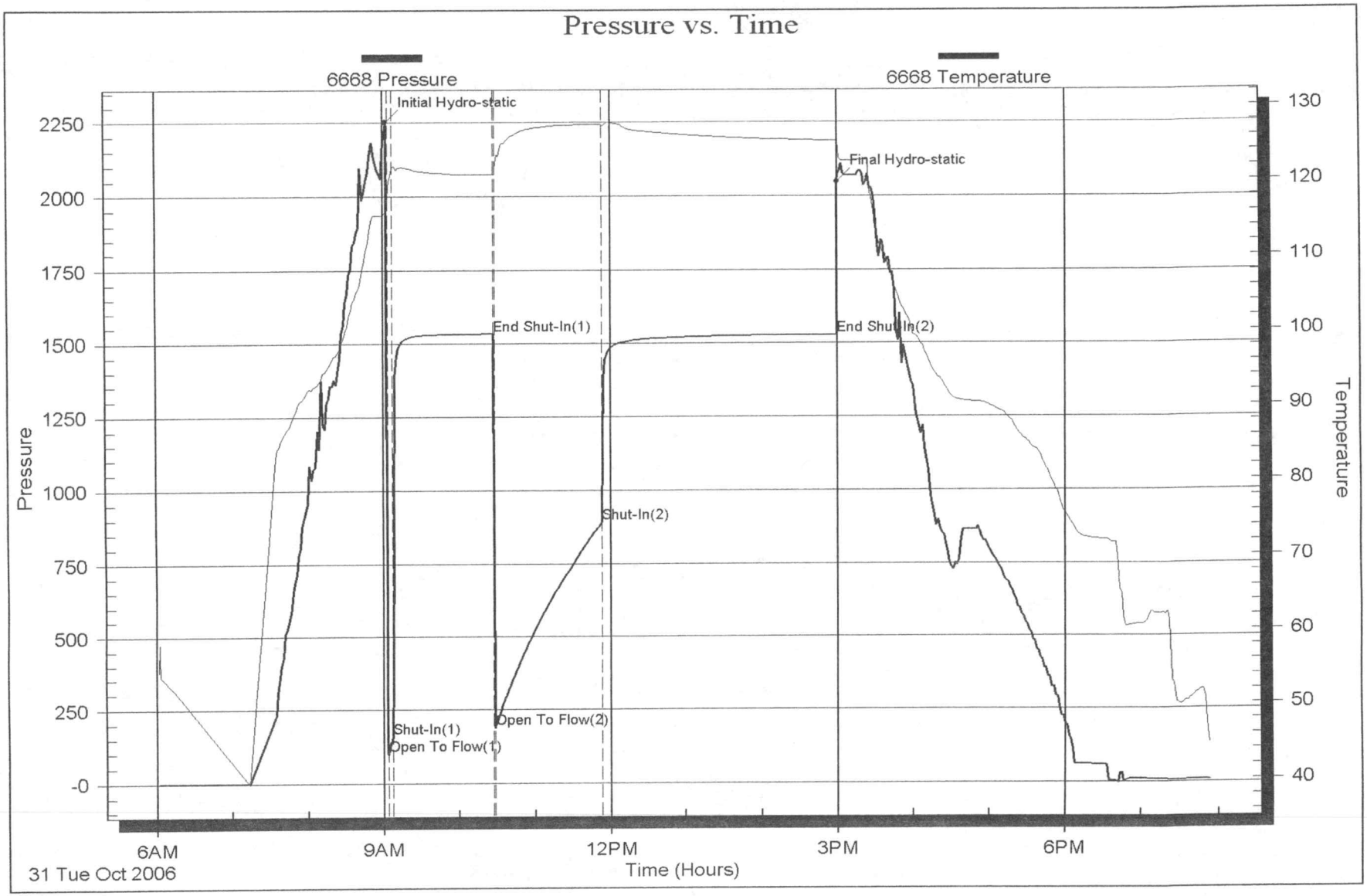
Length ft	Description	Volume bbl
70.00	Muddy Water 50%W 50%M	0.344
310.00	Watery Mud 66%W 34%M	2.481
1620.00	Gassy Water 1%G 99%W	22.724

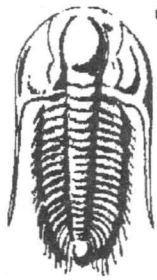
Total Length: 2000.00 ft Total Volume: 25.549 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6668 Pressure
6668 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Shut-In(1)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
2250
2000
1750
1500
1250
1000
750
500
250
-0
130
120
110
100
90
80
70
60
50
40
6AM
9AM
12PM
3PM
6PM
31 Tue Oct 2006
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Osage Resources LLC**

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

31 32 14W Barber KS

Osage #103

Start Date: 2006.11.02 @ 10:49:47
End Date: 2006.11.02 @ 22:14:02
Job Ticket #: 26377 DST #: 4

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 26377 **DST#: 4**

Test Start: 2006.11.02 @ 10:49:47

GENERAL INFORMATION:

Formation: **Lans.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:05:02
Time Test Ended: 22:14:02

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 39

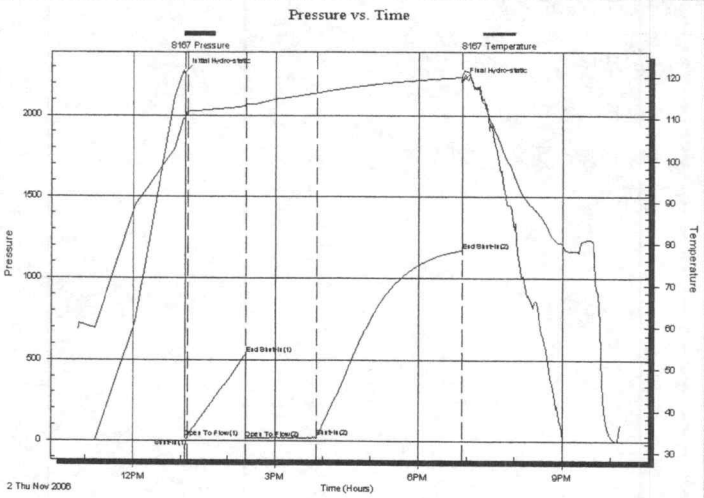
Interval: 4702.00 ft (KB) To 4727.00 ft (KB) (TVD)
Total Depth: 4727.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1958.00 ft (KB)
1951.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8167 **Inside**
Press@RunDepth: 22.90 psig @ 4703.00 ft (KB)
Start Date: 2006.11.02 End Date: 2006.11.02
Start Time: 10:49:52 End Time: 22:14:02

Capacity: 7000.00 psig
Last Calib.: 2006.11.02
Time On Btm: 2006.11.02 @ 13:04:47
Time Off Btm: 2006.11.02 @ 18:54:16

TEST COMMENT: IF Weak blow 1/2 - 2 1/2"
ISI No blow
FF Fair blow 3 - 13"
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2261.79	109.99	Initial Hydro-static
1	16.97	109.45	Open To Flow (1)
4	14.58	111.68	Shut-In(1)
78	531.40	113.03	End Shut-In(1)
78	15.99	113.61	Open To Flow (2)
167	22.90	116.14	Shut-In(2)
349	1170.83	119.95	End Shut-In(2)
350	2209.74	120.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drlg.mud	0.10
0.00	350 ft.of GIP	0.00

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 26377 **DST#: 4**

Test Start: 2006.11.02 @ 10:49:47

Tool Information

Drill Pipe:	Length:	4434.00 ft	Diameter:	3.80 inches	Volume:	62.20 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	265.00 ft	Diameter:	2.25 inches	Volume:	1.30 bbl	
					Total Volume:	63.50 bbl	

Drill Pipe Above KB:	17.00 ft
Depth to Top Packer:	4702.00 ft
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 Weight:	2100.00 lb
Weight set on Packer:	20000.00 lb
Weight to Pull Loose:	112000.0 lb
Tool Chased	0.00 ft
String Weight: Initial	73000.00 lb
Final	77000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4683.00		
Shut In Tool	5.00			4688.00		
Hydraulic tool	5.00			4693.00		
Packer	4.00			4697.00	20.00	Bottom Of Top Packer
Packer	5.00			4702.00		
Stubb	1.00			4703.00		
Recorder	0.00	8167	Inside	4703.00		
Perforations	19.00			4722.00		
Recorder	0.00	11019	Outside	4722.00		
Bullnose	5.00			4727.00	25.00	Bottom Packers & Anchor
Total Tool Length:	**45.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 26377 **DST#: 4**

Test Start: 2006.11.02 @ 10:49:47

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:	7000 ppm
Viscosity:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.58 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

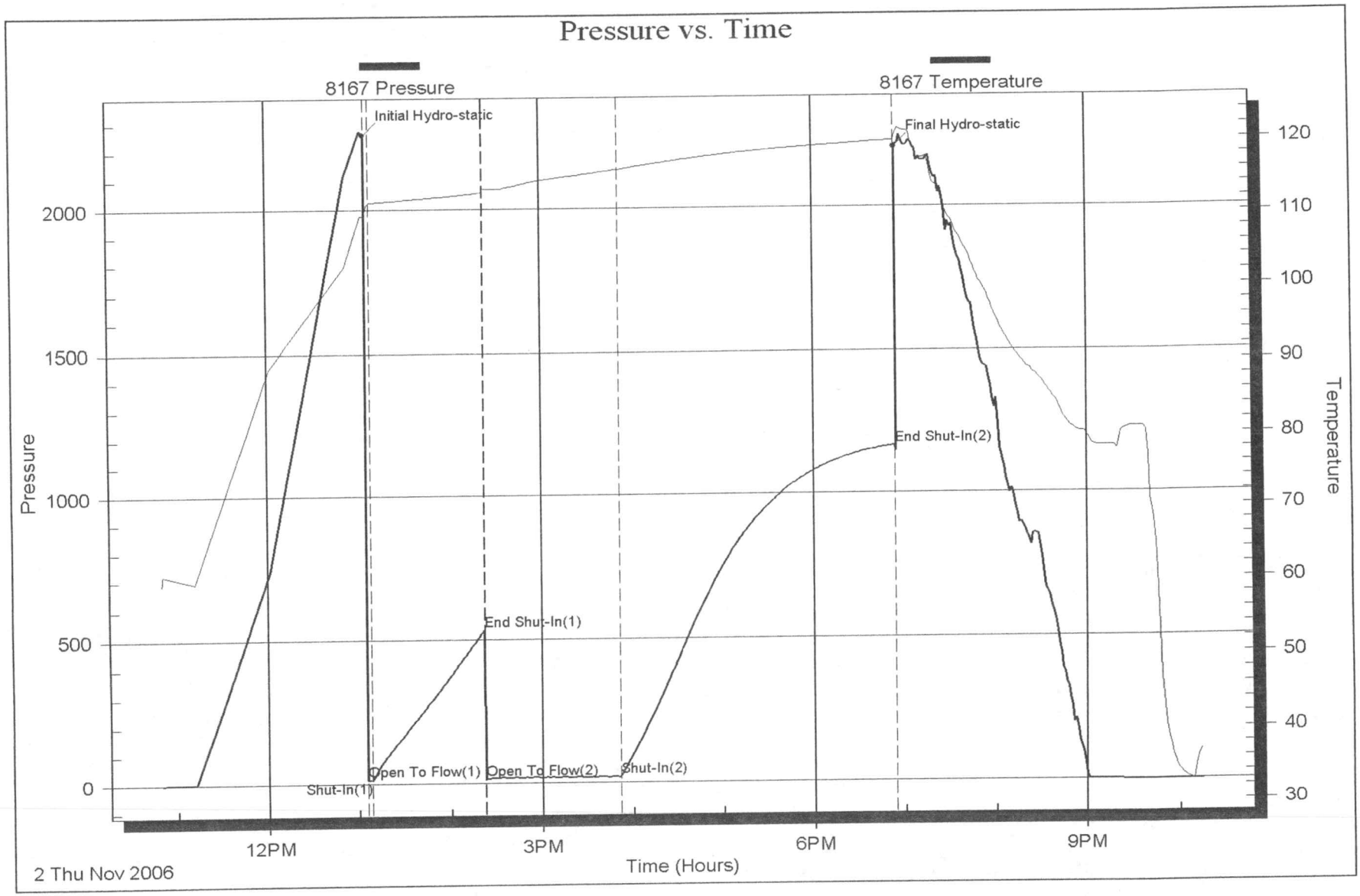
Length ft	Description	Volume bbl
20.00	Drlg.mud	0.098
0.00	350 ft.of GIP	0.000

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8167 Pressure
8167 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(2)
End Shut-In(1)
Open To Flow(1)
Open To Flow(2)
Shut-In(1)
Shut-In(2)
Pressure
Temperature
Time (Hours)
12PM
3PM
6PM
9PM
2 Thu Nov 2006
0
500
1000
1500
2000
30
40
50
60
70
80
90
100
110
120

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Osage Resources LLC**

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

31 32 14W Barber KS

Osage #103

Start Date: 2006.11.04 @ 22:01:48
End Date: 2006.11.05 @ 07:21:03
Job Ticket #: 26378 DST #: 5

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 26378 **DST#: 5**

Test Start: 2006.11.04 @ 22:01:48

GENERAL INFORMATION:

Formation: **Chattanoga**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:55:33
Time Test Ended: 07:21:03

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 39

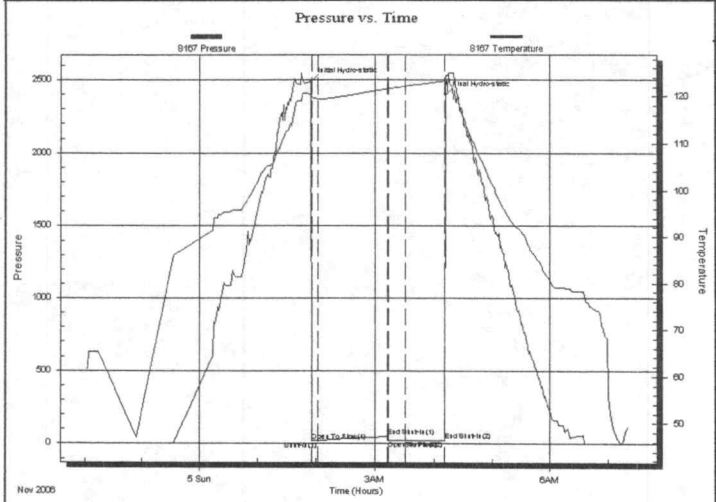
Interval: 5090.00 ft (KB) To 5140.00 ft (KB) (TVD)
Total Depth: 5140.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1958.00 ft (KB)
1951.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8167 **Inside**
Press@RunDepth: 20.21 psig @ 5091.00 ft (KB)
Start Date: 2006.11.04 End Date: 2006.11.05
Start Time: 22:01:53 End Time: 07:21:03

Capacity: 7000.00 psig
Last Calib.: 2006.11.05
Time On Btm: 2006.11.05 @ 01:55:03
Time Off Btm: 2006.11.05 @ 04:11:32

TEST COMMENT: IF Weak blow 1/4 " or less
ISI No blow
FF No blow
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2487.97	120.55	Initial Hydro-static
1	18.78	119.96	Open To Flow (1)
7	19.18	119.56	Shut-In(1)
78	48.37	121.66	End Shut-In(1)
79	20.46	121.66	Open To Flow (2)
96	20.21	122.20	Shut-In(2)
137	24.85	123.34	End Shut-In(2)
137	2394.51	124.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drlg.mud	0.02

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 26378 **DST#: 5**

Test Start: 2006.11.04 @ 22:01:48

Tool Information

Drill Pipe:	Length:	4808.00 ft	Diameter:	3.80 inches	Volume:	67.44 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	265.00 ft	Diameter:	2.25 inches	Volume:	1.30 bbl	
					Total Volume:	68.74 bbl	

Drill Pipe Above KB:	3.00 ft
Depth to Top Packer:	5090.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	50.00 ft
Tool Length:	70.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2100.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	121000.0 lb
Tool Chased	0.00 ft
String Weight: Initial	78000.00 lb
Final	79500.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			5071.00		
Shut In Tool	5.00			5076.00		
Hydraulic tool	5.00			5081.00		
Packer	4.00			5085.00	20.00	Bottom Of Top Packer
Packer	5.00			5090.00		
Stubb	1.00			5091.00		
Recorder	0.00	8167	Inside	5091.00		
Perforations	13.00			5104.00		
Blank Spacing	31.00			5135.00		
Recorder	0.00	11019	Outside	5135.00		
Bullnose	5.00			5140.00	50.00	Bottom Packers & Anchor
Total Tool Length:	**70.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 26378 **DST#: 5**

Test Start: 2006.11.04 @ 22:01:48

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	6000 ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.98 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	0.20 inches				

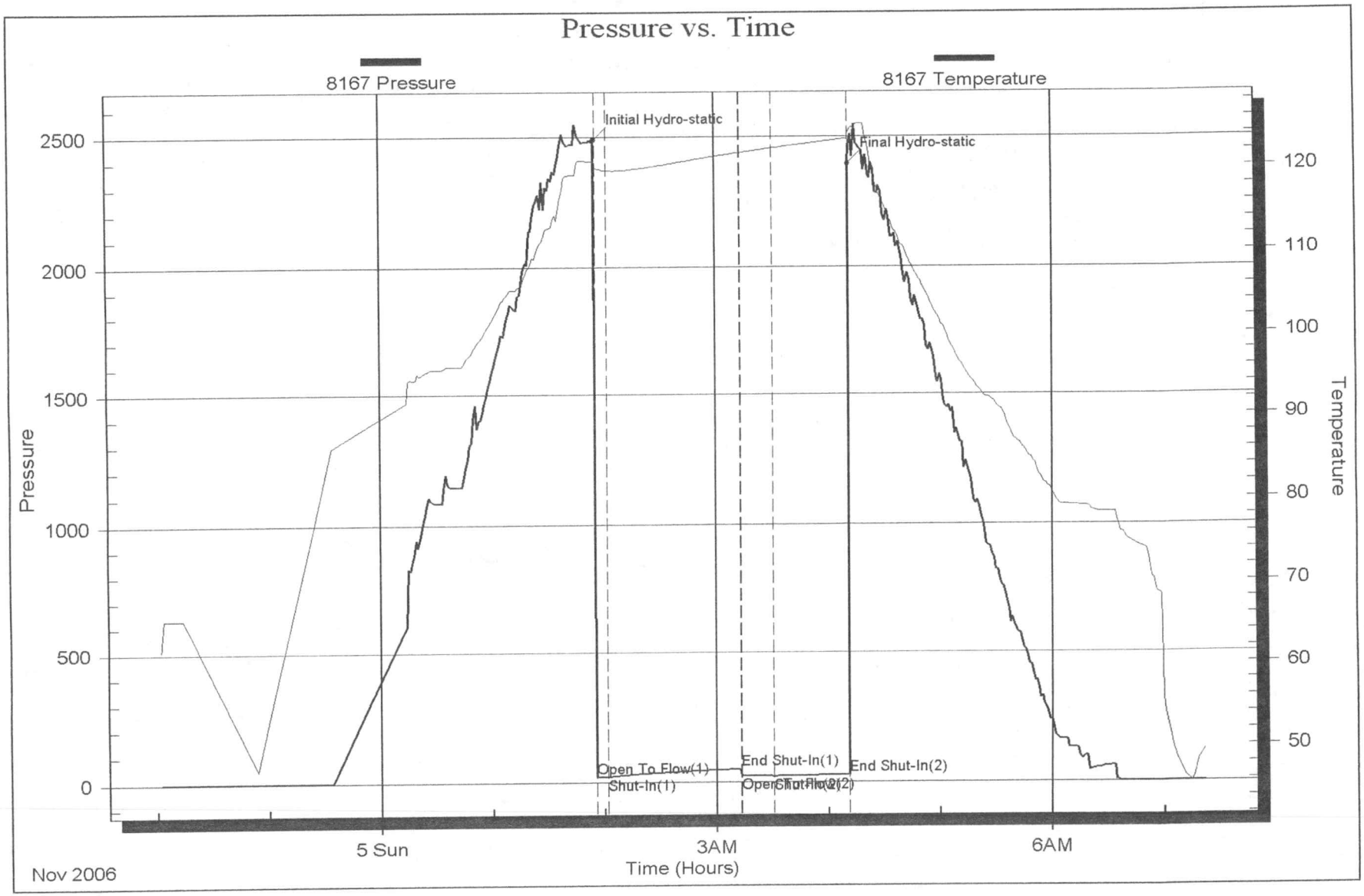
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drlg.mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8167 Pressure
8167 Temperature
Initial Hydro-static
Final Hydro-static
Open To Flow(1)
Shut-In(1)
End Shut-In(1)
Open To Flow(2)
End Shut-In(2)
2500
2000
1500
1000
500
0
Pressure
120
110
100
90
80
70
60
50
Temperature
5 Sun
3AM
6AM
Time (Hours)
Nov 2006

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Osage Resources LLC**

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

31 32 14W Barber KS

Osage #103

Start Date: 2006.11.05 @ 18:44:31
End Date: 2006.11.06 @ 08:12:16
Job Ticket #: 26379 DST #: 6

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

DRILL STEM TEST REPORT

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 26379 **DST#: 6**

Test Start: 2006.11.05 @ 18:44:31

GENERAL INFORMATION:

Formation: **Chattanoga**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:28:46
Time Test Ended: 08:12:16

Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 39

Interval: 5134.00 ft (KB) To 5185.00 ft (KB) (TVD)
Total Depth: 5185.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

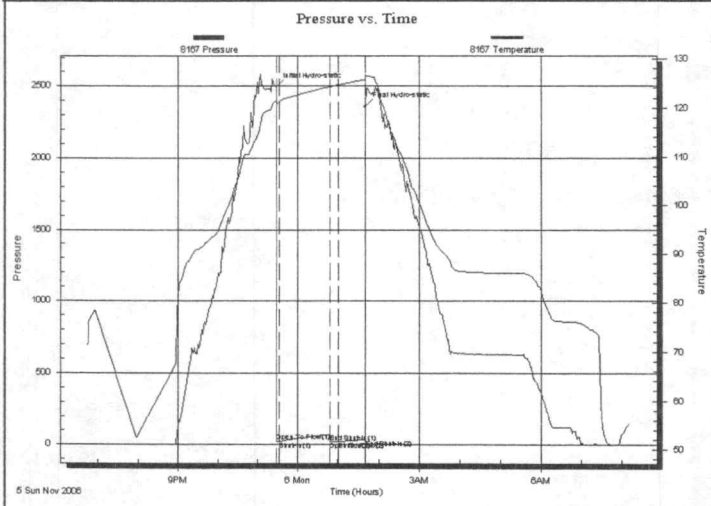
Reference Elevations: 1958.00 ft (KB)
1951.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8167 **Inside**

Press@RunDepth: 21.49 psig @ 5135.00 ft (KB)
Start Date: 2006.11.05 End Date: 2006.11.06
Start Time: 18:44:36 End Time: 08:12:16

Capacity: 7000.00 psig
Last Calib.: 2006.11.06
Time On Btm: 2006.11.05 @ 23:28:30
Time Off Btm: 2006.11.06 @ 01:40:30

TEST COMMENT: IF Weak blow 1/4 "
ISI No blow
FF Weak blow (surface) Dead in 13 mins.
FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2498.24	121.51	Initial Hydro-static
1	21.40	120.92	Open To Flow (1)
4	22.40	121.26	Shut-In(1)
80	73.15	124.31	End Shut-In(1)
80	20.05	124.31	Open To Flow (2)
93	21.49	124.69	Shut-In(2)
132	36.24	125.77	End Shut-In(2)
132	2358.50	126.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drlg.mud	0.05

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 26379 **DST#: 6**

Test Start: 2006.11.05 @ 18:44:31

Tool Information

Drill Pipe:	Length:	4870.00 ft	Diameter:	3.80 inches	Volume:	68.31 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	265.00 ft	Diameter:	2.25 inches	Volume:	1.30 bbl	
					Total Volume:	69.61 bbl	

Drill Pipe Above KB:	21.00 ft
Depth to Top Packer:	5134.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	51.00 ft
Tool Length:	71.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2100.00 lb
Weight set on Packer:	28000.00 lb
Weight to Pull Loose:	112000.0 lb
Tool Chased	0.00 ft
String Weight: Initial	79000.00 lb
Final	79000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			5115.00		
Shut In Tool	5.00			5120.00		
Hydraulic tool	5.00			5125.00		
Packer	4.00			5129.00	20.00	Bottom Of Top Packer
Packer	5.00			5134.00		
Stubb	1.00			5135.00		
Recorder	0.00	8167	Inside	5135.00		
Perforations	10.00			5145.00		
Blank Spacing	31.00			5176.00		
Perforations	4.00			5180.00		
Recorder	0.00	11019	Outside	5180.00		
Bullnose	5.00			5185.00	51.00	Bottom Packers & Anchor
Total Tool Length:	**71.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Osage Resources LLC

1605 E 56th Ave
Hutchison KS 67502

ATTN: Jeff Dale

Osage #103

31 32 14W Barber KS

Job Ticket: 26379 **DST#: 6**

Test Start: 2006.11.05 @ 18:44:31

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:	8000 ppm
Viscosity:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.58 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

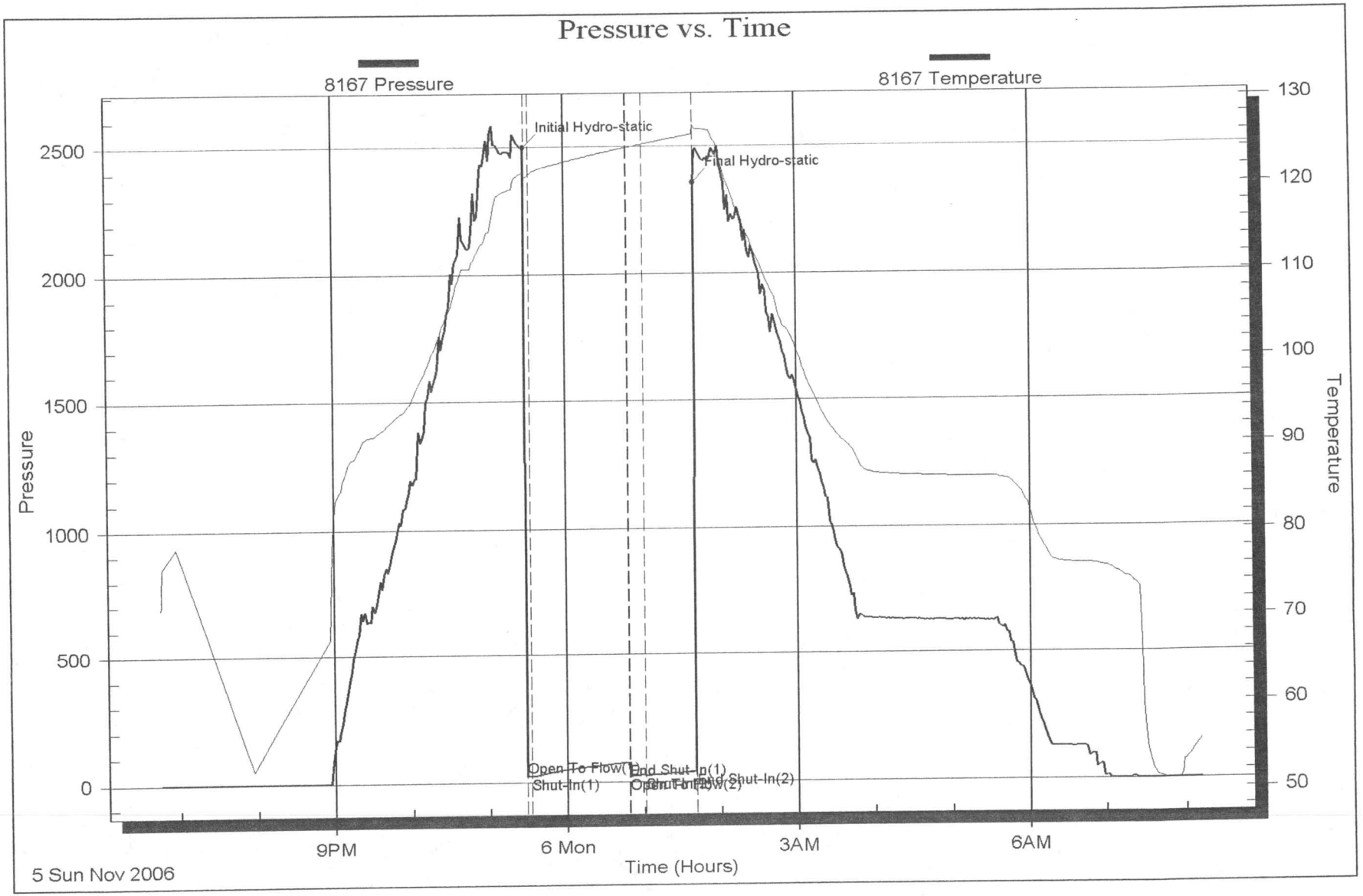
Length ft	Description	Volume bbl
10.00	Drlg.mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8167 Pressure
8167 Temperature
Initial Hydro-static
Final Hydro-static
Pressure
Temperature
2500
2000
1500
1000
500
0
130
120
110
100
90
80
70
60
50
Open To Flow(1)
Shut-In(1)
End Shut-In(1)
Open To Flow(2)
End Shut-In(2)
9PM
6 Mon
3AM
6AM
Time (Hours)
5 Sun Nov 2006

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

9485

25480

Test Ticket

Well Name & No. Osage #103 Test No. 1 Date 10-24-06

Company Osage Resources, LLC Zone Tested Krider

Address 1605 E. 56th Ave. Hutchison, KS 67502 Elevation 1951 KB 1958 GL

Co. Rep / Geo. Jeff Dale Rig D&B Rig #1

Location: Sec. 31 Twp. 32 Rge. 14 w Co. Barber State KS

Comment: Release date / time:

Interval Tested 2316 - 2348 Initial Str Wt./Lbs. 56,000 Unseated Str Wt/Lbs. 56,000

Anchor Length 32 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 65000

Top Packer Depth 2311 Tool Weight 2100

Bottom Packer Depth 2316 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 2348 Wt. Pipe Run — Drill Collar Run 236

Mud Wt. 9.3 LCM 0 Vis. 43 WL 13.6 Drill Pipe Size 4½" XH & FH Ft. Run 2093

Blow Description IF: Fair to strong blow. BOB 3min
ISI: Bled off. No blow back.
FF: Strong blow. BOB Immediately. GTS 10min. Gauged gas.
FSI: Bled off. No blow back.

Recovery - Total Feet 80 GIP yes Ft. in DC 80 Ft. in DP 0

Rec. 80	Feet of GCWM	10 %gas	%oil	50 %water	40 %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 86 °F Gravity °API D @ °F Corrected Gravity °API

RW .20 @ 63 °F Chlorides 41000 ppm Recovery Chlorides 38,000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1159 PSI	Recorder No.	6771	Test ✓	1100
(B) First Initial Flow Pressure		36 PSI	(depth)	2317	Jars	
(C) First Final Flow Pressure		39 PSI	Recorder No.	13789	Safety Jt.	
(D) Initial Shut-In Pressure		734 PSI	(depth)	2343	Circ Sub ✓	NC
(E) Second Initial Flow Pressure		23 PSI	Recorder No.	—	Sampler	
(F) Second Final Flow Pressure		100 PSI	(depth)	—	Straddle	
(G) Final Shut-In Pressure		729 PSI	**Initial Opening**	3	Ext. Packer	
(Q) Final Hydrostatic Mud		1123 PSI	Initial Shut-In	75	Shale Packer	
			Final Flow	90	Ruined Packer	
			Final Shut-In	180	Mileage ✓	45 one way 112.50
			T-On Location	17:00	Sub Total:	
			T-Started	17:52	Std. By	5 hrs
			T-Open	21:30	Acc. Chg: ✓	yes 50
			T-Pulled	03:50	Other:	
			T-Out	06:03	Total:	1862.50

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 Danny Adams

TRILOBITE TESTING INC.
P.O. Box 362 • Hays, Kansas 67601 • (785) 625-4778

GAS VOLUME REPORT

Osage Resources (OPERATOR) | Osage # 103 (WELL NAME AND NO.) | 1 (DST NO.)

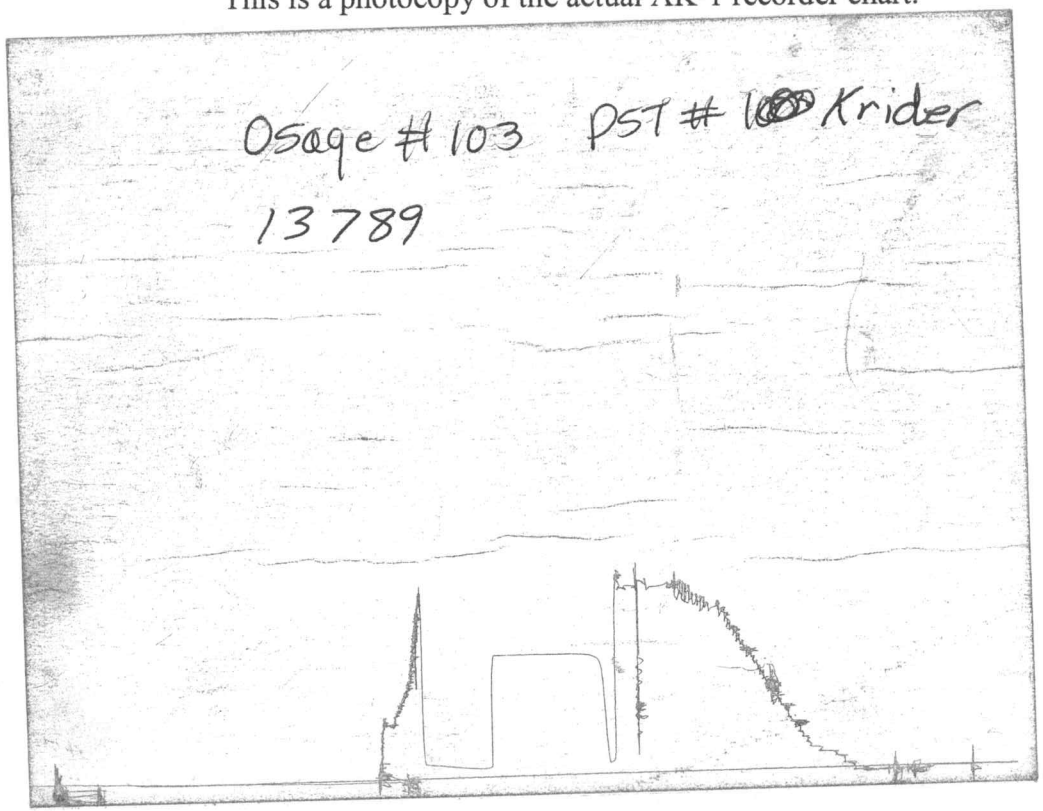
Final flow

Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	Field MCF/D ATMS 200
				15	5 psi	.250	28.812/30.276
				25	10.5 psi.	.250	36.162/39.50
				35	20 psi.	.250	50.9/54.57
				45	26 psi	.250	59.7/64.091
				55	32 psi.	.250	68.5/73.60
				65	36 psi.	.250	74.4/79.95
				75	40 psi.	.250	80.3/86.300
				85	43 psi.	.250	84.7/91.06
				90	45 psi.	.250	87.6/94.23

Remarks:

CHART PAGE

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



TRILOBITE TESTING INC.

25481

P.O. Box 362 • Hays, Kansas 67601

10/05

Test Ticket

Well Name & No. Osage #103 Test No. 2 Date 10-26-06

Company Osage Resources, LLC Zone Tested Wreford

Address 1605 E. 56th Ave. Hutchinson Ks 67502 Elevation 1951 KB 1958 GL

Co. Rep / Geo. Jeff Dale Rig D&B #1

Location: Sec. 31 Twp. 32 Rge. 14w Co. Barber State Ks

Comment: Slid 10ft to bottom Release date / time:

Interval Tested 2632 - 2655 Initial Str Wt./Lbs. 52,000 Unseated Str Wt/Lbs. 58,000

Anchor Length 23 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 85,000

Top Packer Depth 2627 Tool Weight 2100

Bottom Packer Depth 2632 Hole Size 7 7/8" V Rubber Size 6 3/4" V

Total Depth 2655 Wt. Pipe Run 0 Drill Collar Run 266

Mud Wt. 9.7 LCM 0 Vis. 49 WL 13.6 Drill Pipe Size 4½ XH FH Ft. Run 2371

Blow Description IF: Strong blow. B.O.B in 2 min.
ISI: Bled off. No blow back
FF: Strong blow. B.O.B in 1 min.
FSI: Fair blow. Built to 8in.

Recovery - Total Feet 360 GIP 0 Ft. in DC 266 Ft. in DP 94

Rec. 50	Feet of SG WCM	2 %gas	%oil	18 %water	80 %mud
Rec. 310	Feet of HWCM	%gas	%oil	76 %water	24 %mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 93 °F Gravity NC °API D @ — °F Corrected Gravity — °API

RW .20 @ 63 °F Chlorides 41,000 ppm Recovery Chlorides ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1375 PSI	Recorder No.	6771	Test V 1100
(B) First Initial Flow Pressure		90 PSI	(depth)	2633	Jars
(C) First Final Flow Pressure		226 PSI	Recorder No.	13789	Safety Jt.
(D) Initial Shut-In Pressure		899 PSI	(depth)	2650	Circ Sub VN/C
(E) Second Initial Flow Pressure		52 PSI	Recorder No.	—	Sampler
(F) Second Final Flow Pressure		183 PSI	(depth)	—	Straddle
(G) Final Shut-In Pressure		876 PSI	**Initial Opening**	3	Ext. Packer
(Q) Final Hydrostatic Mud		1334 PSI	Initial Shut-In	75	Shale Packer
			Final Flow	90	Ruined Packer 112.50
			Final Shut-In	180	Mileage 90 R.T.
			T-On Location	5:00	Sub Total:
			T-Started	5:28	Std. By 4hr 400
			T-Open	8:22	Acc. Chg: 1612.50
			T-Pulled	14:25	Other: 150.00
			T-Out	17:30	Total: 1762.50

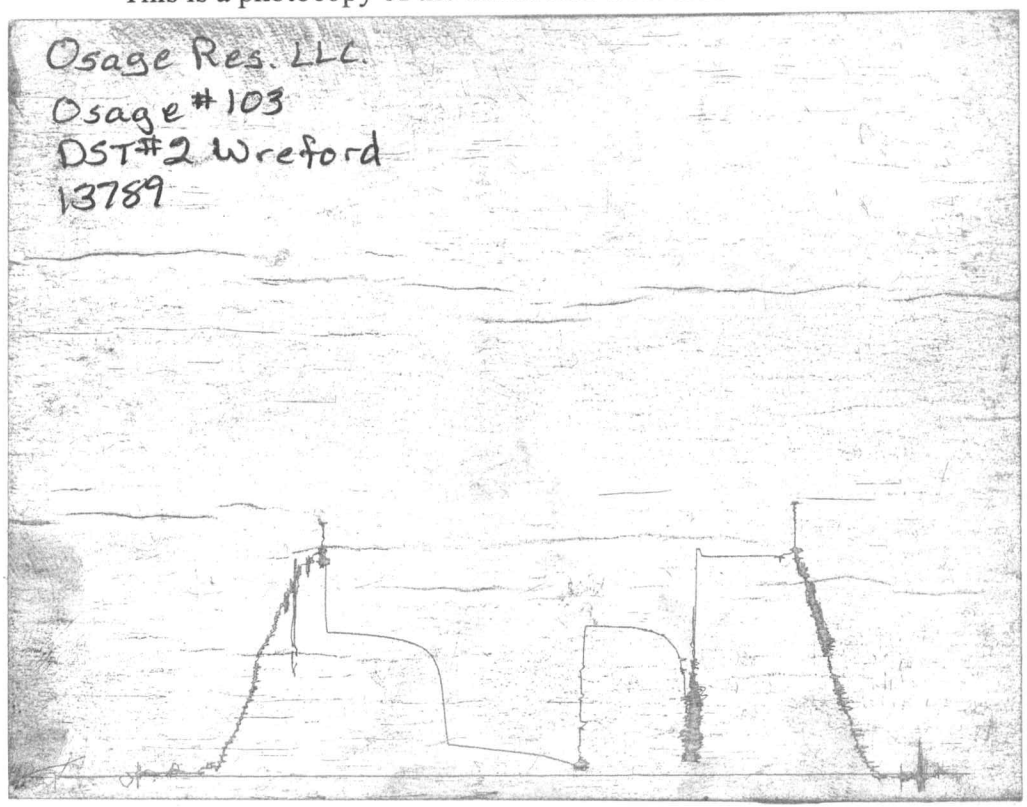
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By

Our Representative Zachary Stevens

CHART PAGE

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



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

25792

9485

Test Ticket

Well Name & No. Osage #103 Test No. ~~#~~ #3 Date 10-31-06

Company Osage Zone Tested Lansing "B"

Address 405 E. 56th Ave. Hutchinson, KS 67502 Elevation 1958' KB 1951' GL

Co. Rep / Geo. Josh Austin Rig D&B Drilling Rig #1

Location: Sec. 32 Twp. 14 Rge. 31 Co. Barber State KS

Comment: Release date / time:

Interval Tested 4300' - 4320' Initial Str Wt./Lbs. 70,000 Unseated Str Wt/Lbs. ~~70,000~~ 80,000

Anchor Length 20 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 82,000

Top Packer Depth 4295' Tool Weight 2,100 lbs

Bottom Packer Depth 4300' Hole Size 7 7/8" V Rubber Size 6 3/4" V

Total Depth 4320' Wt. Pipe Run None Drill Collar Run 235'

Mud Wt. 9.5 LCM 0 Vis. 42 WL 16.8 Drill Pipe Size 4½ XH Ft. Run 4035'

Blow Description IF: Strong blow. B.O.B. immediately.
ISI: Bled off. No blow back.
FF: Strong blow, B.O.B. in 30 secs. G.T.S. in 55 mins. (Too small to measure)
FSI: Bled off. Strong blow. Building to 5" in 3 hrs. (180 mins.)

Recovery - Total Feet 2,000 GIP Too Small to Ft. in DC 235 Ft. in DP 1765

Rec. 70	Feet of Muddy Water	%gas	%oil	50 %water	50 %mud
Rec. 310	Feet of Watery Mud	%gas	%oil	66 %water	34 %mud
Rec. 1620	Feet of Gassy Water	%gas	%oil	99 %water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 125 °F Gravity °API D @ °F Corrected Gravity °API

RW .41 @ 43 °F Chlorides 28,000 ppm Recovery Chlorides 5,000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud		2258 PSI	Recorder No.	66668	Test	V 1200
(B) First Initial Flow Pressure		99 PSI	(depth)	4300'	Jars	
(C) First Final Flow Pressure		157 PSI	Recorder No.	132666	Safety Jt.	
(D) Initial Shut-In Pressure		1,532 PSI	(depth)	4317'	Circ Sub	
(E) Second Initial Flow Pressure		188 PSI	Recorder No.	—	Sampler	
(F) Second Final Flow Pressure		891 PSI	(depth)	—	Straddle	
(G) Final Shut-In Pressure		1527 PSI	**Initial Opening**	3 mins	Ext. Packer	
(Q) Final Hydrostatic Mud		2,111 PSI	Initial Shut-In	75 mins	Shale Packer	
			Final Flow	90 mins	Ruined Packer	
			Final Shut-In	180 mins	Mileage	V 112.50
			T-On Location	03:30	Sub Total:	
			T-Started	06:00	Std. By	V 8hr 800
			T-Open	09:08	Acc. Chg:	2112.50
			T-Pulled	15:00	Other:	150.00
			T-Out	@23:00	Total:	2262.50

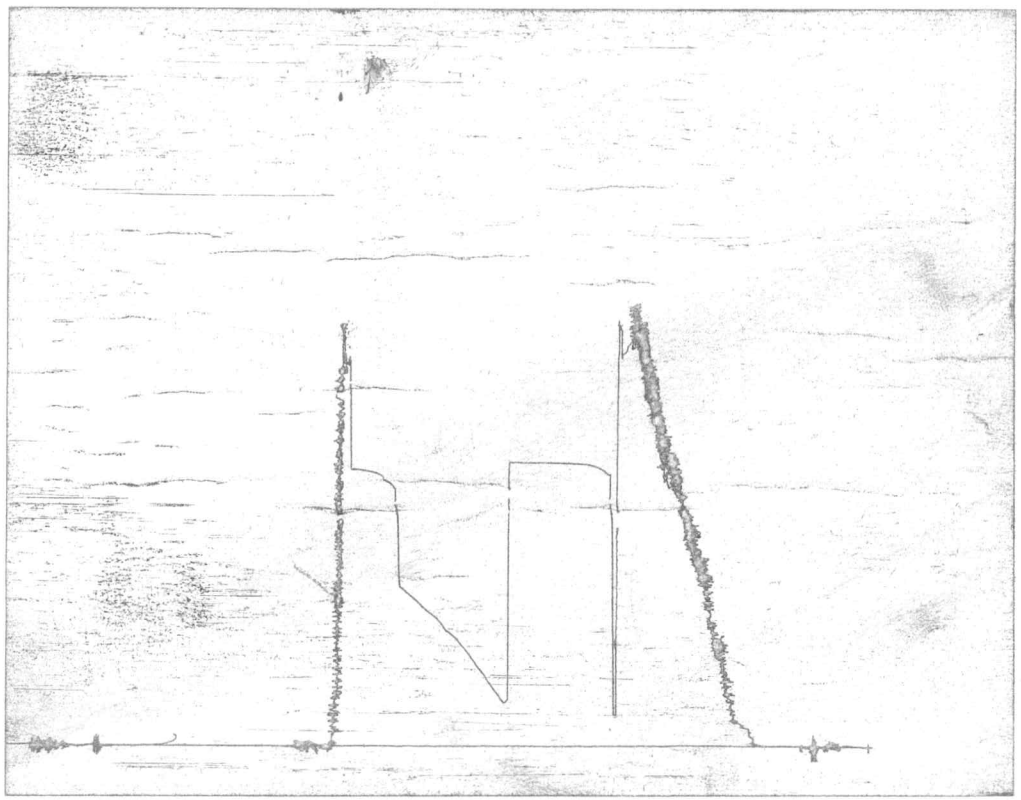
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By

Our Representative Travis Cushenberry

CHART PAGE

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



Osage

Osage
#103

dst 3

26377

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

Test Ticket

Well Name & No. Osage #103 Test No. 4 Date Nov 2-06

Company Osage Resources LLC Zone Tested Lans

Address 1605 E. 56TH Ave. Hutchinson Ks. 67502 Elevation 1958 KB 1951 GL

Co. Rep / Geo. Jeff Dale Rig D & B Drlg.

Location: Sec. 31 Twp. 32S Rge. 14W Co. Barber State Ks.

Comment: Release date / time:

Interval Tested 4702 – 4727' Initial Str Wt./Lbs. 73,000 Unseated Str Wt/Lbs. 77,000

Anchor Length 25' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 112,000

Top Packer Depth 4697' Tool Weight 2100 #

Bottom Packer Depth 4702' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 4727' Wt. Pipe Run None Drill Collar Run 265'

Mud Wt. 9.4 LCM – Vis. 46 WL 9.6cc Drill Pipe Size 4 1/2" Ft. Run 4434

Blow Description IF: Weak blow. 1/2 – 2 1/2". ISI: No blow.

FF: Fair blow. 3 – 13". FSI: No blow.

Recovery - Total Feet 20 GIP 350 Ft. in DC 20 Ft. in DP 0

Rec. 20	Feet of Drlg. Mud.	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 120 °F Gravity N/A °API D @ – °F Corrected Gravity N/A °API

RW N.C. @ – °F Chlorides 7,000 ppm Recovery Chlorides 7,000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud		2276 PSI	Recorder No.	8167	Test ✓	1200
(B) First Initial Flow Pressure		17 PSI	(depth)	4703'	Jars	
(C) First Final Flow Pressure		13 PSI	Recorder No.	11019	Safety Jt.	
(D) Initial Shut-In Pressure		531 PSI	(depth)	4722'	Circ Sub	
(E) Second Initial Flow Pressure		16 PSI	Recorder No.	–	Sampler	
(F) Second Final Flow Pressure		23 PSI	(depth)	–	Straddle	
(G) Final Shut-In Pressure		1171 PSI	**Initial Opening**	3	Ext. Packer	
(Q) Final Hydrostatic Mud		2226 PSI	Initial Shut-In	75	Shale Packer	
			Final Flow	90	Ruined Packer	
			Final Shut-In	180	Mileage 92 ✓	112.50
			T-On Location	1005	Sub Total:	300
			T-Started	1049	Std. By 3.0 ✓	1012.50
			T-Open	1305	Acc. Chg: ✓	150
			T-Pulled	1855	Other:	1762.50
			T-Out	2214	Total:	

NO ACCESS TO RIG FLOOR FROM CATWALK

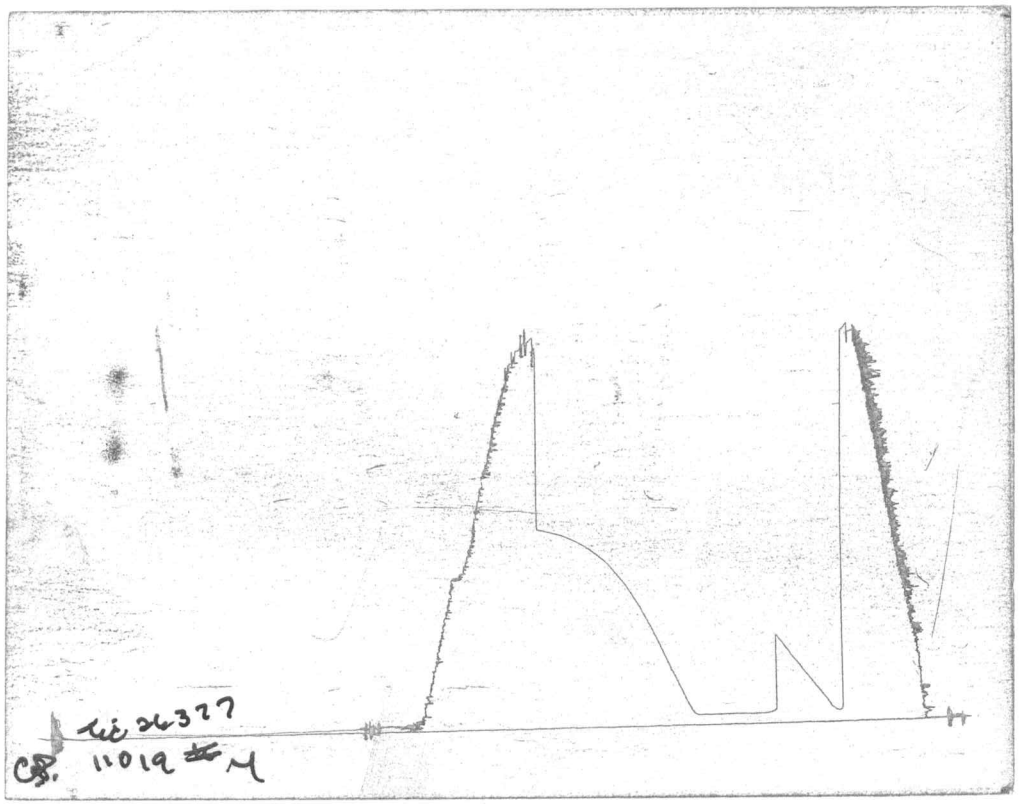
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By

Our Representative Corey Cunningham

CHART PAGE

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



26378

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

Test Ticket

Well Name & No. Osage #103 Test No. 5 Date 11-4-06

Company Osage Resources LLC Zone Tested Chattanooga

Address 1605 E. 56th Ave. Hutchinson Ks. 67502 Elevation 1958 KB 1951 GL

Co. Rep / Geo. Jeff Dale Rig D & B Drlg.

Location: Sec. 31 Twp. 32S Rge. 14W Co. Barber State Ks.

Comment: Release date / time:

Interval Tested 5090 — 5140' Initial Str Wt./Lbs. 78,000 Unseated Str Wt/Lbs. 79,500

Anchor Length 50' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 121,000

Top Packer Depth 5085' Tool Weight 2100#

Bottom Packer Depth 5090' Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 5140' Wt. Pipe Run None Drill Collar Run 265

Mud Wt. 9.3 LCM 3# Vis. 48 WL 11.0cc Drill Pipe Size 4½" Ft. Run 4808'

Blow Description IF: Weak blow. ½" or less. ISI: No blow.

FF: No blow. FSI: No blow.

Recovery - Total Feet 5 GIP 0 Ft. in DC 5 Ft. in DP 0

Rec. 5	Feet of Drlg. Mud	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 123 °F Gravity N/A °API D @ — °F Corrected Gravity N/A °API

RW N.C. @ — °F Chlorides 4,000 ppm Recovery Chlorides 4,000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud		2480 PSI	Recorder No.	8167	Test —	1300
(B) First Initial Flow Pressure		19 PSI	(depth)	5091	Jars	
(C) First Final Flow Pressure		19 PSI	Recorder No.	11019	Safety Jt.	
(D) Initial Shut-In Pressure		48 PSI	(depth)	5135'	Circ Sub	
(E) Second Initial Flow Pressure		20 PSI	Recorder No.	—	Sampler	
(F) Second Final Flow Pressure		20 PSI	(depth)	—	Straddle	
(G) Final Shut-In Pressure		25 PSI	**Initial Opening**	3	Ext. Packer	
(Q) Final Hydrostatic Mud		2422 PSI	Initial Shut-In	75	Shale Packer	
			Final Flow	15	Ruined Packer	90 112.50
			Final Shut-In	35	Mileage	—
			T-On Location	2150	Sub Total:	1412.50
			T-Started	2201	Std. By	
			T-Open	0155	Acc. Chg:	✓ 150
			T-Pulled	0407	Other:	
			T-Out	0721	Total:	1562.50

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.

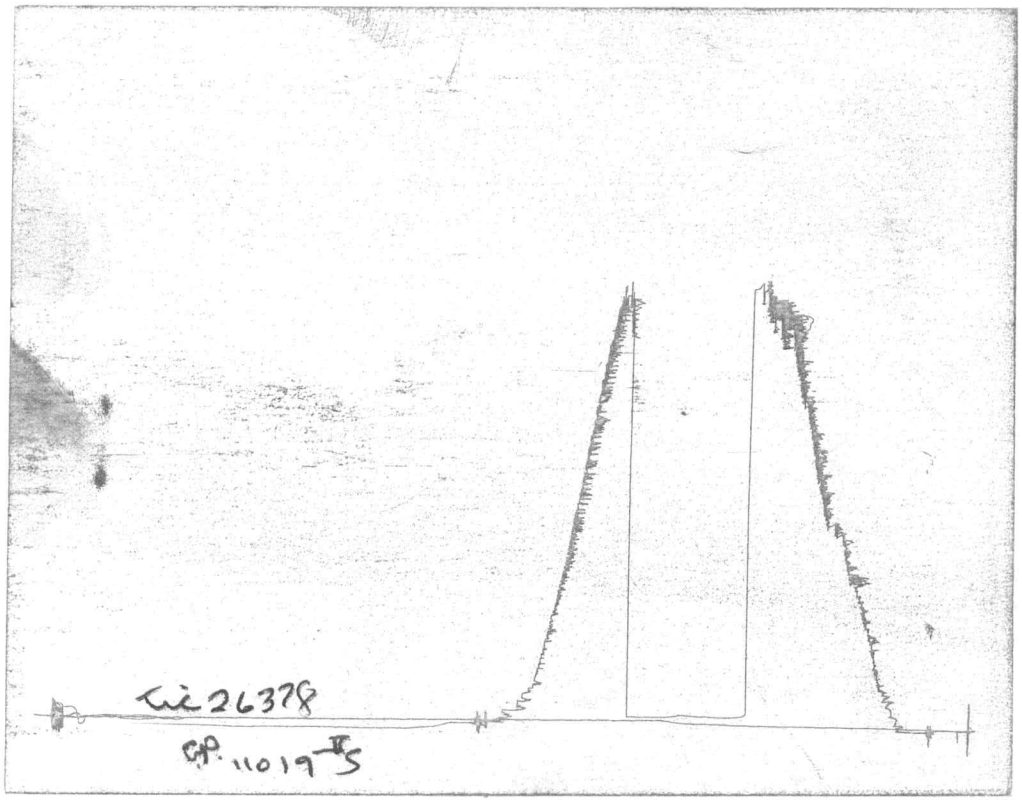
Approved By

Our Representative Corey Pemberton

No Access to Rig Floor from Catwalk

CHART PAGE

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



26379

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10/05

Test Ticket

Well Name & No. Osage #103 Test No. 6 Date 11-5-06

Company Osage Resources LLC Zone Tested Chattanooga

Address Hutchinson Ks. 67502 Elevation 1958 KB 1951 GL

Co. Rep / Geo. Jeff Dale Rig D & B Drlg.

Location: Sec. 31 Twp. 32S Rge. 14W Co. Barber State Ks.

Comment: Release date / time:

Interval Tested 5134 - 5185' Initial Str Wt./Lbs. 79,000 Unseated Str Wt/Lbs. 99,000

Anchor Length 51' Wt. Set Lbs. 28,000 Wt. Pulled Loose/Lbs. 112,000

Top Packer Depth 5129' Tool Weight 2100 #

Bottom Packer Depth 5134' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 5185' Wt. Pipe Run None Drill Collar Run 265

Mud Wt. 9.3 LCM 2# Vis. 49 WL 9.6cc Drill Pipe Size 4 1/2" Ft. Run 4820'

Blow Description IF: Weak blow. 1/4" - ISI: No blow.

FF: Weak blow (surface) Dead in 13 mins. FSI: No blow.

Recovery - Total Feet 10 GIP 0 Ft. in DC 10 Ft. in DP 0

Rec. 10	Feet of Drlg. Mud.	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 126 °F Gravity N/A °API D @ — °F Corrected Gravity N/A °API

RW N.C. @ — °F Chlorides 8,000 ppm Recovery Chlorides 8,000 ppm System

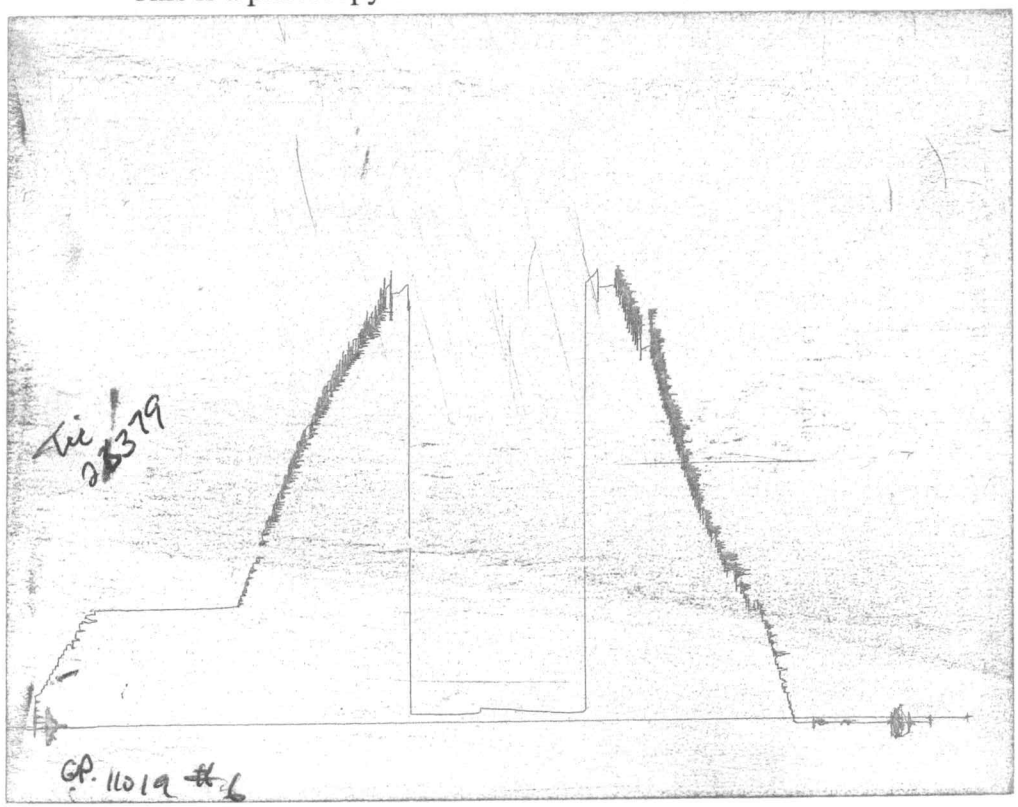
	AK-1	Alpine				
(A) Initial Hydrostatic Mud		2498 PSI	Recorder No.	8167	Test ✓	1300
(B) First Initial Flow Pressure		21 PSI	(depth)	5135'	Jars	
(C) First Final Flow Pressure		22 PSI	Recorder No.	11019	Safety Jt.	
(D) Initial Shut-In Pressure		73 PSI	(depth)	5180'	Circ Sub	
(E) Second Initial Flow Pressure		20 PSI	Recorder No.	—	Sampler	
(F) Second Final Flow Pressure		21 PSI	(depth)	—	Straddle	
(G) Final Shut-In Pressure		36 PSI	**Initial Opening**	5	Ext. Packer	
(Q) Final Hydrostatic Mud		2499 PSI	Initial Shut-In	75	Shale Packer	
			Final Flow	15	Ruined Packer	112.50
			Final Shut-In	30	Mileage	
			T-On Location	1720	Sub Total:	
			T-Started	1844	Std. By Ks ✓	1150
			T-Open	2328	Acc. Chg: ✓	150
			T-Pulled	0142	Other:	2012.50
			T-Out	0812	Total:	

No Access To Rig Flo From Catwalk

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 Gary Svaty

CHART PAGE

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