

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell, KS. 67665

ATTN: Matt Dreiling

3-15s-13w-Russell

Soukup #1

Start Date: 2004.02.20 @ 04:50:18
End Date: 2004.02.20 @ 10:03:03
Job Ticket #: 18603 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.

John O Farmer

PO Box 352
Russell, KS. 67665

ATTN: Matt Dreiling

Soukup #1

3-15s-13w-Russell

Job Ticket: 18603 **DST#: 1**

Test Start: 2004.02.20 @ 04:50:18

GENERAL INFORMATION:

Formation: **LKC "A-D"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:21:48
Time Test Ended: 10:03:03

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 24

Interval: 3049.00 ft (KB) To 3100.00 ft (KB) (TVD)
Total Depth: 3100.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

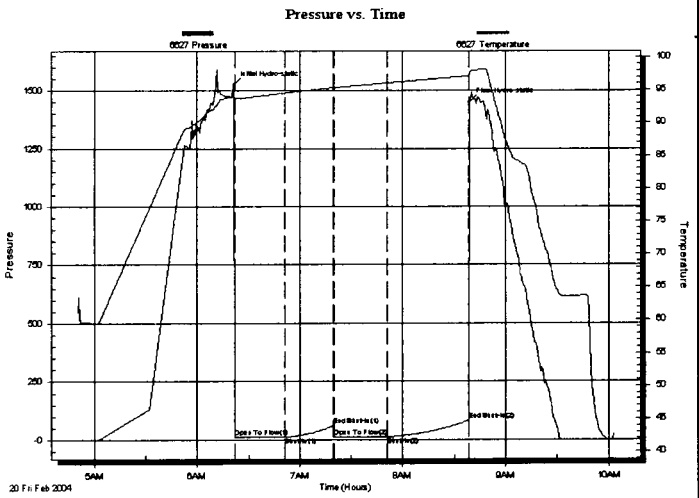
Reference Elevations: 1865.00 ft (KB)
1858.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6627 **Inside**

Press@RunDepth: 13.45 psig @ 3053.00 ft (KB)
Start Date: 2004.02.20 End Date: 2004.02.20
Start Time: 04:50:20 End Time: 10:03:03

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.02.20 @ 06:21:33
Time Off Btm: 2004.02.20 @ 08:38:48

TEST COMMENT: IFP- Weak Surface Blow , Died in 20 min.
FFP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1525.98	94.21	Initial Hydro-static
1	11.73	93.61	Open To Flow (1)
30	12.73	94.52	Shut-In(1)
58	60.82	95.33	End Shut-In(1)
59	11.91	95.29	Open To Flow (2)
90	13.45	96.05	Shut-In(2)
137	83.47	97.11	End Shut-In(2)
138	1450.03	97.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud	0.00

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

PO Box 352
Russell, KS. 67665

ATTN: Matt Dreiling

Soukup #1

3-15s-13w-Russell

Job Ticket: 18603 **DST#: 1**

Test Start: 2004.02.20 @ 04:50:18

Tool Information

Drill Pipe:	Length:	3007.00 ft	Diameter:	3.80 inches	Volume:	42.18 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	31.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	
					Total Volume:	42.33 bbl	

Drill Pipe Above KB:	10.00 ft
Depth to Top Packer:	3049.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	51.00 ft
Tool Length:	72.00 ft
Number of Packers:	2
Diameter:	6.75 inches

Tool Weight:	2400.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	38000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	35000.00 lb
Final	35000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3029.00		
Shut In Tool	5.00			3034.00		
Hydraulic tool	5.00			3039.00		
Packer	5.00			3044.00	21.00	Bottom Of Top Packer
Packer	5.00			3049.00		
Stubb	1.00			3050.00		
Perforations	2.00			3052.00		
Change Over Sub	1.00			3053.00		
Recorder	0.00	6627	Inside	3053.00		
Blank Spacing	30.00			3083.00		
Change Over Sub	1.00			3084.00		
Perforations	13.00			3097.00		
Recorder	0.00	13252	Outside	3097.00		
Bullnose	3.00			3100.00	51.00	Bottom Packers & Anchor
Total Tool Length:	**72.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

PO Box 352
Russell, KS. 67665

ATTN: Matt Dreiling

Soukup #1

3-15s-13w-Russell

Job Ticket: 18603 **DST#: 1**

Test Start: 2004.02.20 @ 04:50:18

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:	8.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

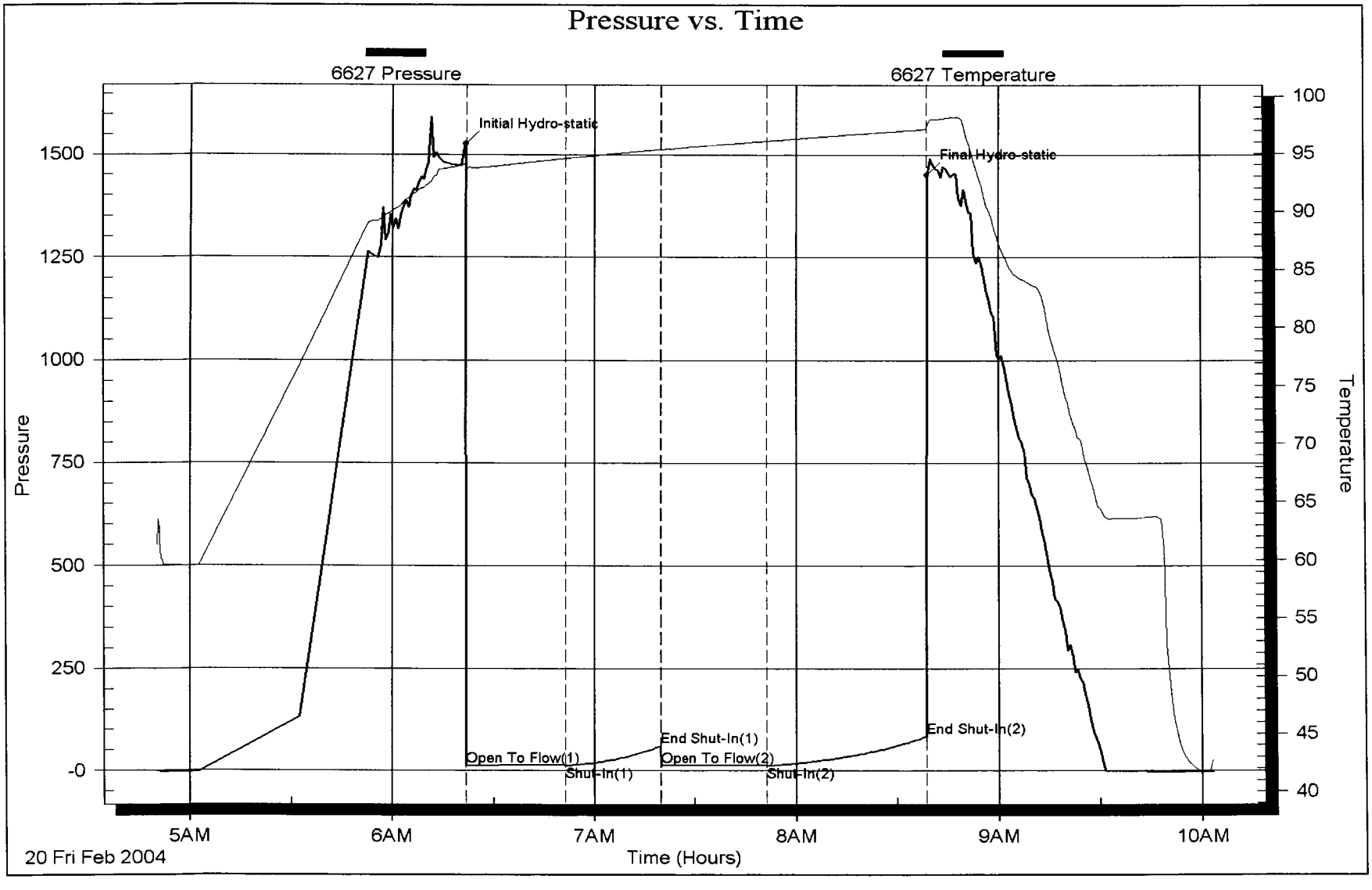
Length ft	Description	Volume bbl
1.00	Mud	0.005

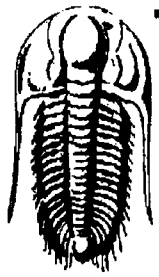
Total Length: 1.00 ft Total Volume: 0.005 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6627 Pressure
6627 Temperature
Initial Hydro-static
Final Hydro-static
Open To Flow(1)
Shut-In(1)
End Shut-In(1)
Open To Flow(2)
Shut-In(2)
End Shut-In(2)
1500
1250
1000
750
500
250
-0
Pressure
100
95
90
85
80
75
70
65
60
55
50
45
40
Temperature
5AM
6AM
7AM
8AM
9AM
10AM
20 Fri Feb 2004
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell, KS. 67665

ATTN: Matt Dreiling

3-15s-13w-Russell

Soukup #1

Start Date: 2004.02.20 @ 15:46:09
End Date: 2004.02.20 @ 20:19:54
Job Ticket #: 18604 DST #: 2

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

DRILL STEM TEST REPORT

John O Farmer

PO Box 352
Russell, KS. 67665

ATTN: Matt Dreiling

Soukup #1

3-15s-13w-Russell

Job Ticket: 18604 **DST#: 2**

Test Start: 2004.02.20 @ 15:46:09

GENERAL INFORMATION:

Formation: **"E"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:54:09
Time Test Ended: 20:19:54

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 24

Interval: 3092.00 ft (KB) To 3120.00 ft (KB) (TVD)
Total Depth: 3120.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

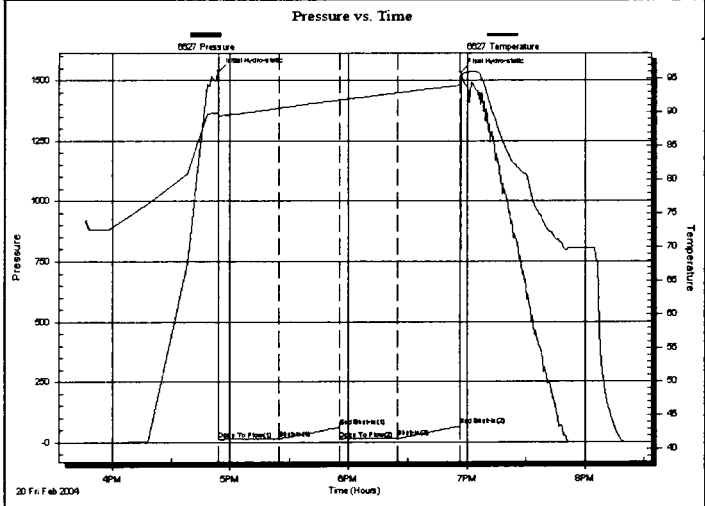
Reference Elevations: 1865.00 ft (KB)
1858.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6627 **Inside**

Press@RunDepth: 18.01 psig @ 3095.00 ft (KB)
Start Date: 2004.02.20 End Date: 2004.02.20
Start Time: 15:46:11 End Time: 20:19:54

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.02.20 @ 16:53:54
Time Off Btm: 2004.02.20 @ 18:56:39

TEST COMMENT: IFP- Weak Blow , Built to 1/2", No Blow back
FFP-Weak Blow , 1/4", No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1536.55	89.80	Initial Hydro-static
1	11.19	89.29	Open To Flow (1)
31	15.52	90.53	Shut-In(1)
62	62.00	91.77	End Shut-In(1)
62	12.32	91.75	Open To Flow (2)
91	18.01	92.80	Shut-In(2)
123	65.93	93.91	End Shut-In(2)
123	1533.49	94.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud	0.01

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

PO Box 352
Russell, KS. 67665

ATTN: Matt Dreiling

Soukup #1

3-15s-13w-Russell

Job Ticket: 18604 **DST#: 2**

Test Start: 2004.02.20 @ 15:46:09

Tool Information

Drill Pipe:	Length:	3068.00 ft	Diameter:	3.80 inches	Volume:	43.04 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	31.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	
					Total Volume:	43.19 bbl	

Drill Pipe Above KB:	28.00 ft
Depth to Top Packer:	3092.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	28.00 ft
Tool Length:	49.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2000.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	50000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	38000.00 lb
Final	38000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3072.00		
Shut In Tool	5.00			3077.00		
Hydraulic tool	5.00			3082.00		
Packer	5.00			3087.00	21.00	Bottom Of Top Packer
Packer	5.00			3092.00		
Stubb	1.00			3093.00		
Perforations	2.00			3095.00		
Recorder	0.00	6627	Inside	3095.00		
Perforations	22.00			3117.00		
Recorder	0.00	13252	Outside	3117.00		
Bullnose	3.00			3120.00	28.00	Bottom Packers & Anchor
Total Tool Length:	**49.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

PO Box 352
Russell, KS. 67665

ATTN: Matt Dreiling

Soukup #1

3-15s-13w-Russell

Job Ticket: 18604 **DST#: 2**

Test Start: 2004.02.20 @ 15:46:09

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:	8.77 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

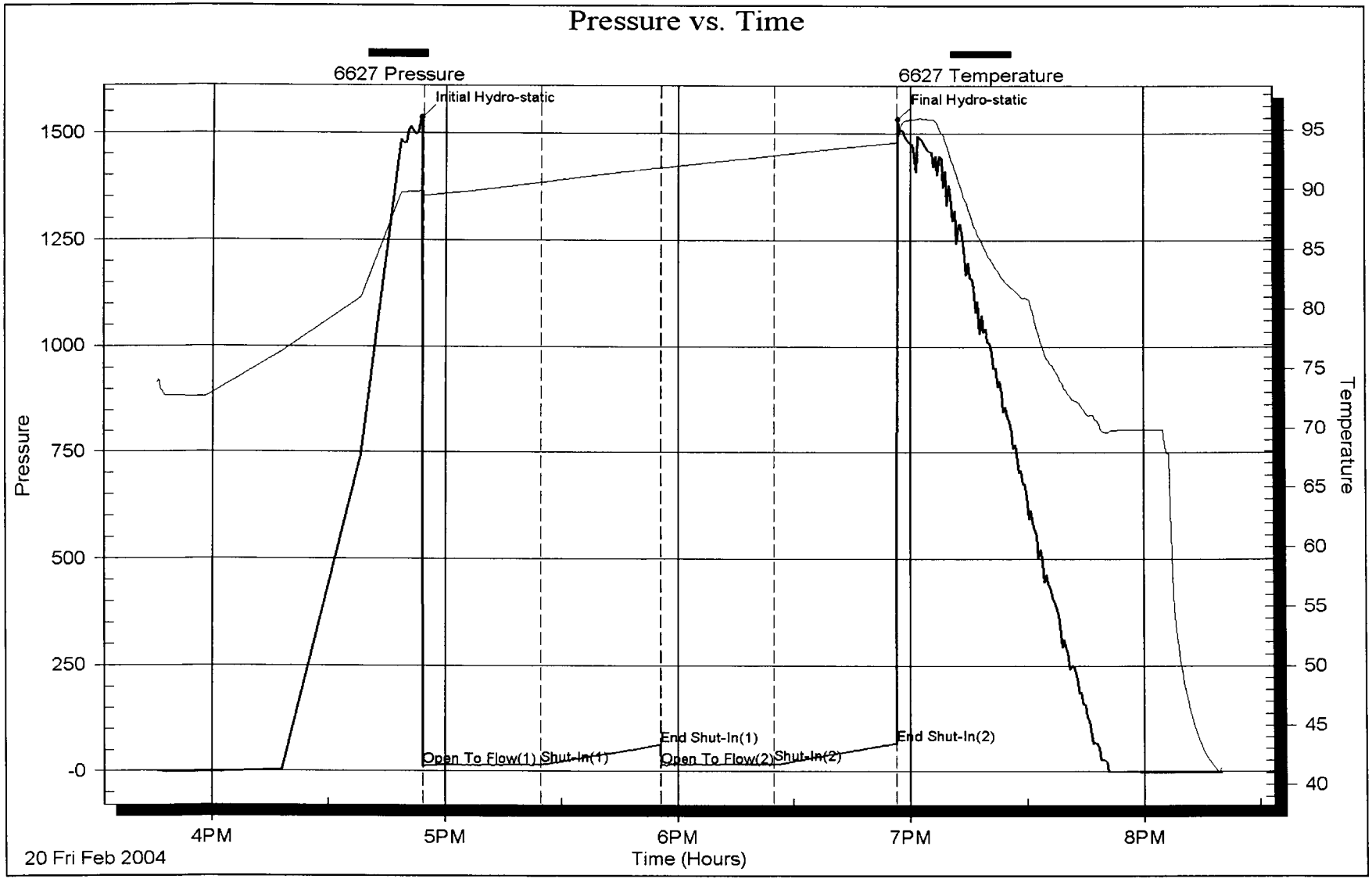
Length ft	Description	Volume bbl
3.00	Mud	0.015

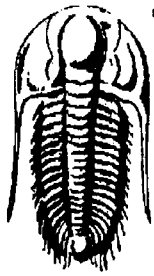
Total Length: 3.00 ft Total Volume: 0.015 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6627 Pressure
6627 Temperature
Initial Hydro-static
Final Hydro-static
Open To Flow(1)
Shut-In(1)
End Shut-In(1)
Open To Flow(2)
Shut-In(2)
End Shut-In(2)
Pressure
Temperature
1500
1250
1000
750
500
250
-0
95
90
85
80
75
70
65
60
55
50
45
40
4PM
5PM
6PM
7PM
8PM
20 Fri Feb 2004
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell, KS. 67665

ATTN: Matt Dreiling

3-15s-13w-Russell

Soukup #1

Start Date: 2004.02.21 @ 09:55:38

End Date: 2004.02.21 @ 14:36:53

Job Ticket #: 18605 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2004.02.25 @ 14:53:33 Page 1

John O Farmer Soukup #1 3-15s-13w-Russell DST # 3 "H-J" 2004.02.21

DRILL STEM TEST REPORT

John O Farmer

PO Box 352
Russell, KS. 67665

ATTN: Matt Dreiling

Soukup #1

3-15s-13w-Russell

Job Ticket: 18605 **DST#: 3**

Test Start: 2004.02.21 @ 09:55:38

GENERAL INFORMATION:

Formation: **"H-J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:08:38
Time Test Ended: 14:36:53

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 24

Interval: 3180.00 ft (KB) To 3272.00 ft (KB) (TVD)
Total Depth: 3100.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

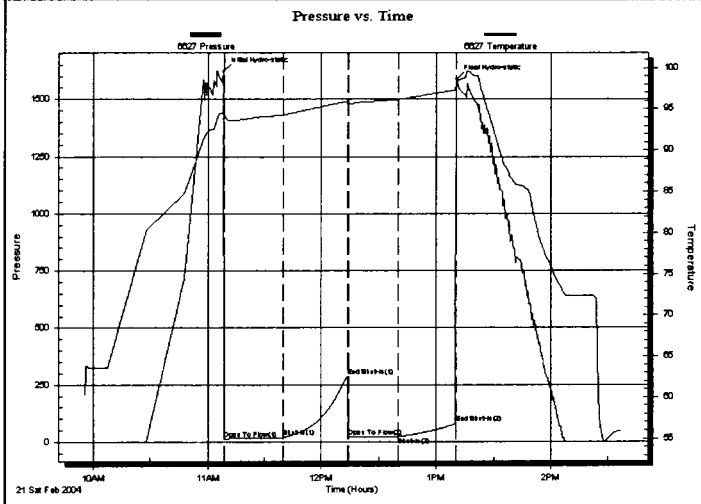
Reference Elevations: 1865.00 ft (KB)
1858.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6627 **Inside**

Press@RunDepth: 23.11 psig @ 3184.00 ft (KB)
Start Date: 2004.02.21 End Date: 2004.02.21
Start Time: 09:55:40 End Time: 14:36:53

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.02.21 @ 11:08:23
Time Off Btm: 2004.02.21 @ 13:10:38

TEST COMMENT: IFP- Weak Blow , 1/4"
FFP- Weak Surface Blow , Died in 15 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1622.86	94.68	Initial Hydro-static
1	12.96	93.88	Open To Flow (1)
32	19.04	94.29	Shut-In(1)
66	285.18	95.94	End Shut-In(1)
66	20.55	95.73	Open To Flow (2)
92	23.11	96.15	Shut-In(2)
122	79.41	97.30	End Shut-In(2)
123	1588.09	98.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud W/ Oil Spots in tool	0.01

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

PO Box 352
Russell, KS. 67665

ATTN: Matt Dreiling

Soukup #1

3-15s-13w-Russell

Job Ticket: 18605 **DST#: 3**

Test Start: 2004.02.21 @ 09:55:38

Tool Information

Drill Pipe:	Length:	3162.00 ft	Diameter:	3.80 inches	Volume:	44.35 bbl	Tool Weight:		3000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	31.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:		50000.00 lb
					Total Volume:	44.50 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		34.00 ft					String Weight:	Initial	40000.00 lb
Depth to Top Packer:		3180.00 ft						Final	40000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		92.00 ft							
Tool Length:		113.00 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			3160.00		
Shut In Tool	5.00			3165.00		
Hydraulic tool	5.00			3170.00		
Packer	5.00			3175.00	21.00	Bottom Of Top Packer
Packer	5.00			3180.00		
Stubb	1.00			3181.00		
Perforations	2.00			3183.00		
Change Over Sub	1.00			3184.00		
Recorder	0.00	6627	Inside	3184.00		
Blank Spacing	62.00			3246.00		
Change Over Sub	1.00			3247.00		
Perforations	22.00			3269.00		
Recorder	0.00	13252	Outside	3269.00		
Bullnose	3.00			3272.00	92.00	Bottom Packers & Anchor
Total Tool Length:	**113.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

PO Box 352
Russell, KS. 67665

ATTN: Matt Dreiling

Soukup #1

3-15s-13w-Russell

Job Ticket: 18605 **DST#: 3**

Test Start: 2004.02.21 @ 09:55:38

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:	ppm
Viscosity:	43.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

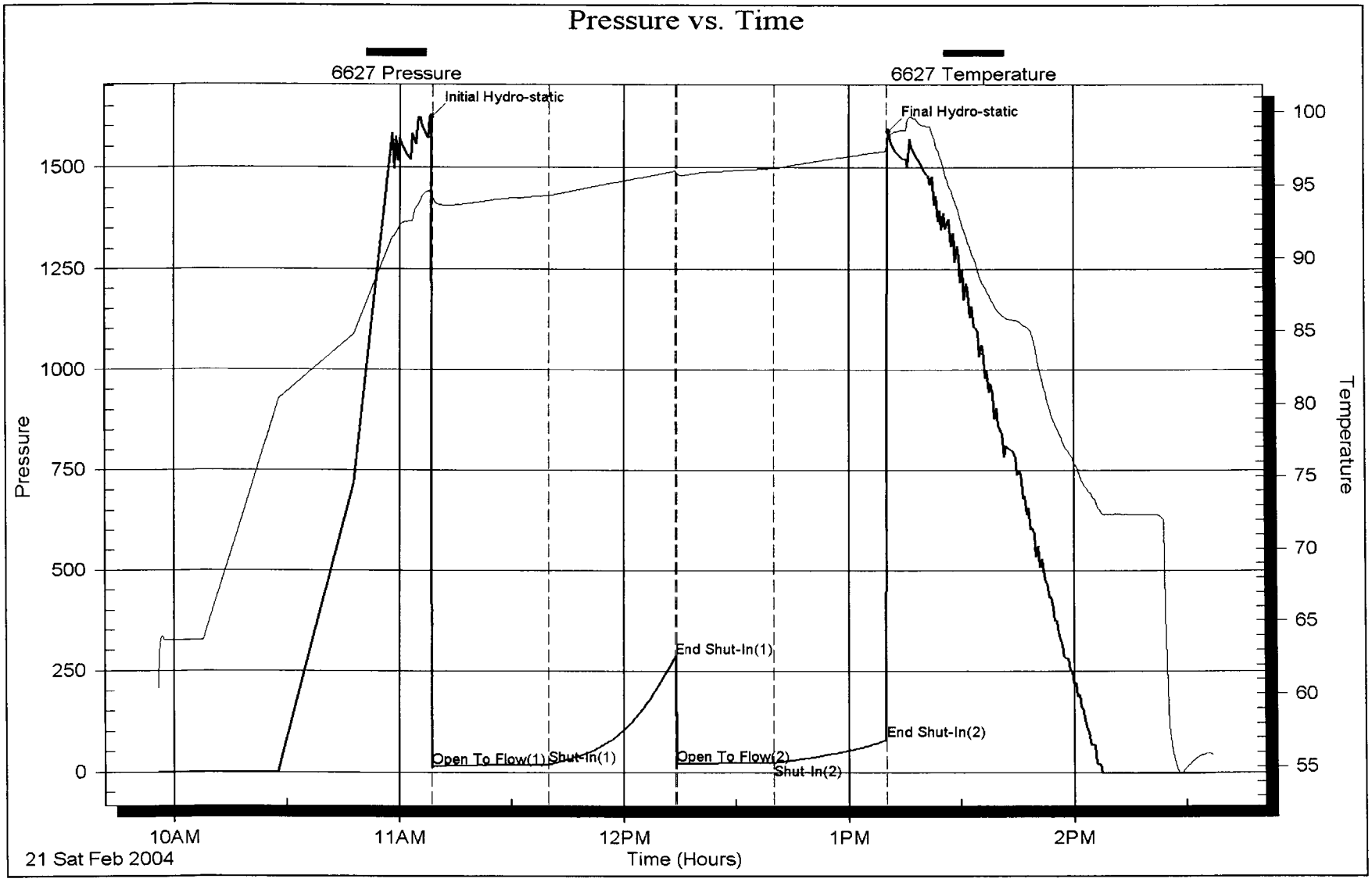
Length ft	Description	Volume bbl
3.00	Mud W/ Oil Spots in tool	0.015

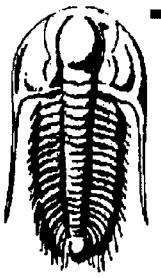
Total Length: 3.00 ft Total Volume: 0.015 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6627 Pressure
6627 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
1500
1250
1000
750
500
250
0
100
95
90
85
80
75
70
65
60
55
10AM
11AM
12PM
1PM
2PM
21 Sat Feb 2004
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell, KS. 67665

ATTN: Matt Dreiling

3-15s-13w-Russell

Soukup #1

Start Date: 2004.02.22 @ 00:58:51
End Date: 2004.02.22 @ 07:17:36
Job Ticket #: 18606 DST #: 4

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

DRILL STEM TEST REPORT

John O Farmer

PO Box 352
Russell, KS. 67665

ATTN: Matt Dreiling

Soukup #1

3-15s-13w-Russell

Job Ticket: 18606 **DST#: 4**

Test Start: 2004.02.22 @ 00:58:51

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:17:51
Time Test Ended: 07:17:36

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 24

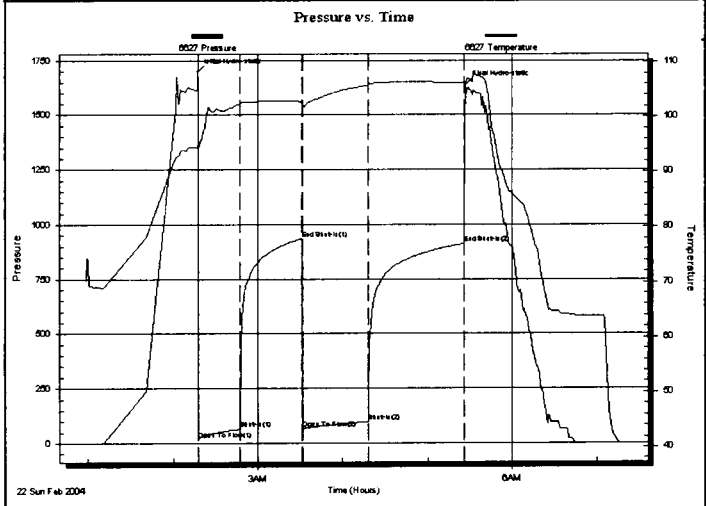
Interval: 3302.00 ft (KB) To 3357.00 ft (KB) (TVD)
Total Depth: 3357.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1865.00 ft (KB)
1858.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6627 **Inside**
Press@RunDepth: 98.65 psig @ 3306.00 ft (KB)
Start Date: 2004.02.22 End Date: 2004.02.22
Start Time: 00:58:53 End Time: 07:17:36

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.02.22 @ 02:17:21
Time Off Btm: 2004.02.22 @ 05:27:06

TEST COMMENT: IFP-Fair Blow , BOB in 30 min., Surface Blow back
FFP-Weak Blow , Built to 4" No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1696.76	94.85	Initial Hydro-static
1	17.25	94.25	Open To Flow (1)
30	64.39	102.27	Shut-In(1)
75	934.48	102.75	End Shut-In(1)
75	66.51	102.33	Open To Flow (2)
121	98.65	105.69	Shut-In(2)
189	912.98	106.10	End Shut-In(2)
190	1639.52	106.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Muddy Wtr W/Oil Show	0.56
60.00	Oil Cut Muddy Water	0.84
60.00	Muddy Water Cut Oil	0.84
10.00	Clean Oil	0.14

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

PO Box 352
Russell, KS. 67665

ATTN: Matt Dreiling

Soukup #1

3-15s-13w-Russell

Job Ticket: 18606 **DST#: 4**

Test Start: 2004.02.22 @ 00:58:51

Tool Information

Drill Pipe:	Length:	3255.00 ft	Diameter:	3.80 inches	Volume:	45.66 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	31.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	
					Total Volume:	45.81 bbl	

Drill Pipe Above KB:	5.00 ft
Depth to Top Packer:	3302.00 ft
Depth to Bottom Packer:	ft
Interval between Packers:	55.00 ft
Tool Length:	76.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2400.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	50000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	39000.00 lb
Final	40000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3282.00		
Shut In Tool	5.00			3287.00		
Hydraulic tool	5.00			3292.00		
Packer	5.00			3297.00	21.00	Bottom Of Top Packer
Packer	5.00			3302.00		
Stubb	1.00			3303.00		
Perforations	2.00			3305.00		
Change Over Sub	1.00			3306.00		
Recorder	0.00	6627	Inside	3306.00		
Blank Spacing	32.00			3338.00		
Change Over Sub	1.00			3339.00		
Perforations	15.00			3354.00		
Recorder	0.00	13252	Outside	3354.00		
Bullnose	3.00			3357.00	55.00	Bottom Packers & Anchor
Total Tool Length:	**76.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

PO Box 352
Russell, KS. 67665

ATTN: Matt Dreiling

Soukup #1

3-15s-13w-Russell

Job Ticket: 18606 **DST#: 4**

Test Start: 2004.02.22 @ 00:58:51

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	30 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	13000 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	inches				

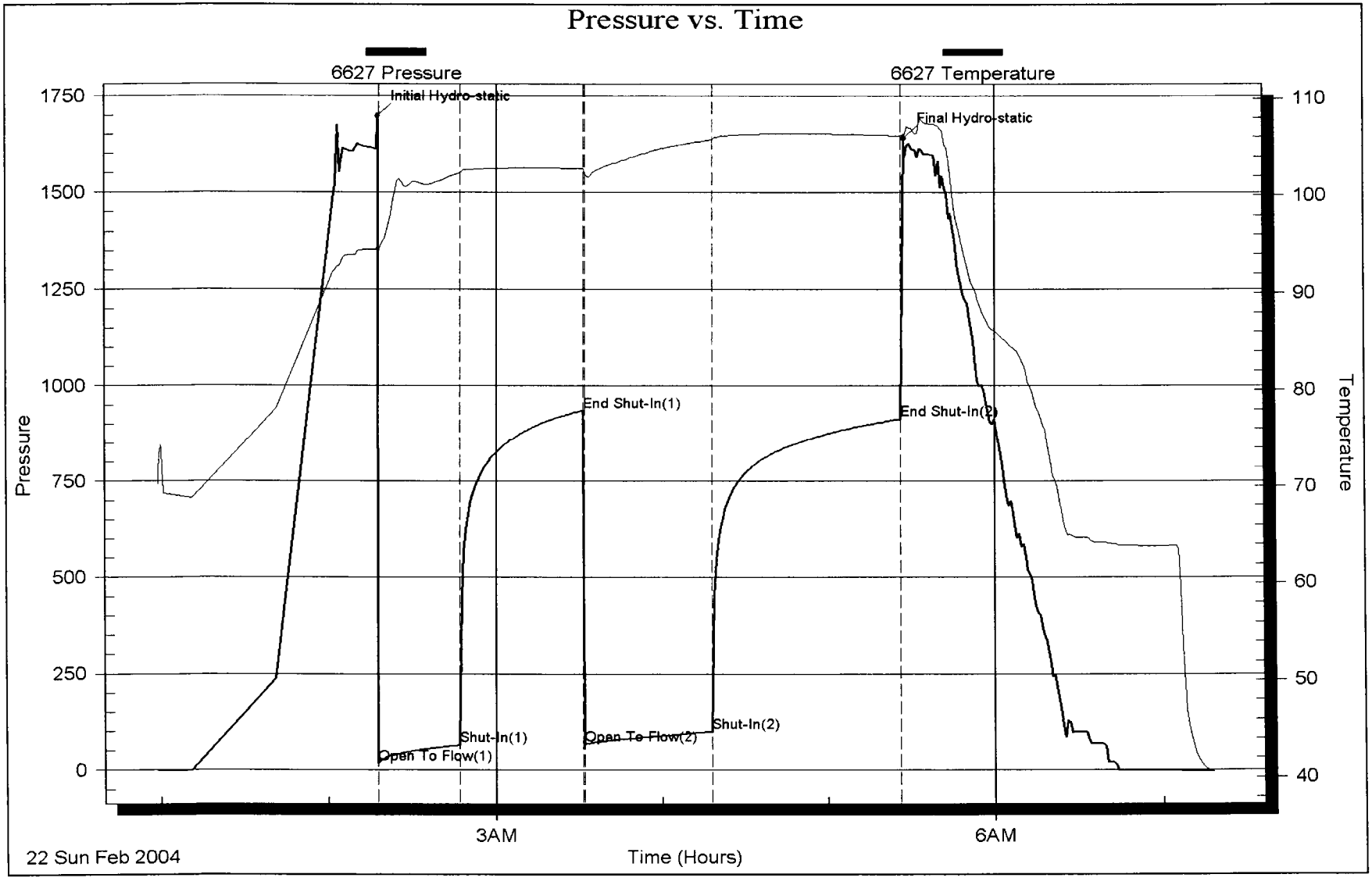
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Muddy Wtr W/Oil Show	0.559
60.00	Oil Cut Muddy Water	0.842
60.00	Muddy Water Cut Oil	0.842
10.00	Clean Oil	0.140

Total Length: 190.00 ft Total Volume: 2.383 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
6627 Pressure
6627 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
1750
1500
1250
1000
750
500
250
0
110
100
90
80
70
60
50
40
3AM
6AM
22 Sun Feb 2004
Time (Hours)

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV 6214

X

№ 18603

05/03

Test Ticket

Well Name & No. SouKup #1 Test No. 1 Date 2-20-04

Company John O Farmer Zone Tested LKC A-D

Address PO Box 352, Russell, Ks. 67665 Elevation 1865 KB 1858 GL

Co. Rep / Geo. Randy Kilian Cont. Discovery #2 Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 3 Twp. 15s Rge. 13w Co. Russell State Ks

No. of Copies Reg Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3049 - 3100 Initial Str Wt./Lbs. 35,000 Unseated Str Wt/Lbs. 35,000

Anchor Length 51 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 38 000

Top Packer Depth 3044 Tool Weight 2400

Bottom Packer Depth 3049 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 3100 Wt. Pipe Run 0 Drill Collar Run 31

Mud Wt. 9.0 LCM 1/4 Vis. 45 WL 8.8 Drill Pipe Size 4½XH Ft. Run 3007

Blow Description IFP - Weak surface Blow, Died in 20 min.

FFP - No Blow

Recovery - Total Feet 1 GIP _____ Ft. in DC _____ Ft. in DP _____

Rec. 1	Feet of 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 97° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 5,000 ppm System

	AK-1	Alpine					
(A) Initital Hydrostatic Mud		1526	PSI	Recorder No.	6627	Test ✓	700
(B) First Initial Flow Pressure		11	PSI	(depth)	3053	Elec. Rec. ✓	150
(C) First Final Flow Pressure		12	PSI	Recorder No.	13252	Jars	
(D) Initial Shut-In Pressure		61	PSI	(depth)	3097	Safety Jt.	
(E) Second Initial Flow Pressure		12	PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure		13	PSI	(depth)		Sampler	
(G) Final Shut-In Pressure		83	PSI	**Initial Opening**	30	Straddle	
(Q) Final Hydrostatic Mud		1450	PSI	Initial Shut-In	30	Ext. Packer	
				Final Flow	30	Shale Packer	
				Final Shut-In	45	Mileage 40	68
				T-On Location	3:00	Sub Total:	918
				T-Started	4:50	Std. By	
				T-Open	6:20	Other	
				T-Pulled	8:35	Total:	
				T-Out	10:00		

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.

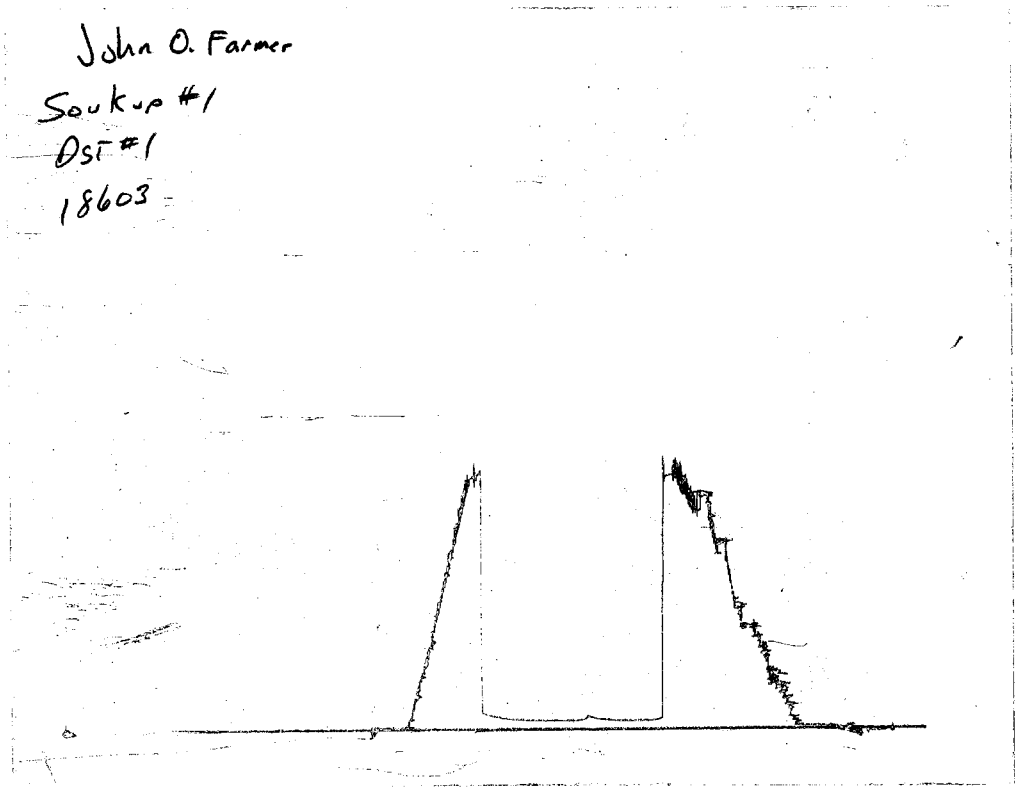
Approved By _____

Our Representative Jason McLemore

CHART PAGE

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

John O. Farmer
Soukup #1
DST #1
18603



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

05/03

№ 18604

Test Ticket

Well Name & No. Soukup #1 Test No. 2 Date 2-20-04

Company John O. Farmer Zone Tested "E"

Address PO Box 352, Russell, Ks. 67665 Elevation 1865 KB 1858 GL

Co. Rep / Geo. Matt Dreiling Cont. Discovery #2 Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 3 Twp. 15s Rge. 13w Co. Russell State Ks

No. of Copies Reg Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3092 - 3120 Initial Str Wt./Lbs. 38,000 Unseated Str Wt/Lbs. 38,000

Anchor Length 28' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000

Top Packer Depth 3087 Tool Weight 2000

Bottom Packer Depth 3092 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 3120 Wt. Pipe Run 0 Drill Collar Run 31

Mud Wt. _____ LCM _____ Vis. _____ WL _____ Drill Pipe Size 4½ XH Ft. Run 3068

Blow Description IFP - Weak Blow, Built to ½", No Blowback

FFP - Weak Blow, ¼", No Blowback

Recovery - Total Feet 3 GIP _____ Ft. in DC _____ Ft. in DP _____

Rec. 3	Feet of 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 94° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1537	PSI	Recorder No.	6627	Test ✓
(B) First Initial Flow Pressure		11	PSI	(depth)	3095	Elec. Rec. ✓
(C) First Final Flow Pressure		16	PSI	Recorder No.	13252	Jars
(D) Initial Shut-In Pressure		62	PSI	(depth)	3117	Safety Jt.
(E) Second Initial Flow Pressure		12	PSI	Recorder No.		Circ Sub
(F) Second Final Flow Pressure		18	PSI	(depth)		Sampler
(G) Final Shut-In Pressure		66	PSI	**Initial Opening**	30	Straddle
(Q) Final Hydrostatic Mud		1533	PSI	Initial Shut-In	30	Ext. Packer
				Final Flow	30	Shale Packer
				Final Shut-In	30	Mileage 40
				T-On Location	15:08	Sub Total: 918
				T-Started	15:46	Std. By
				T-Open	16:54	Other
				T-Pulled	18:54	Total:
				T-Out	20:20	

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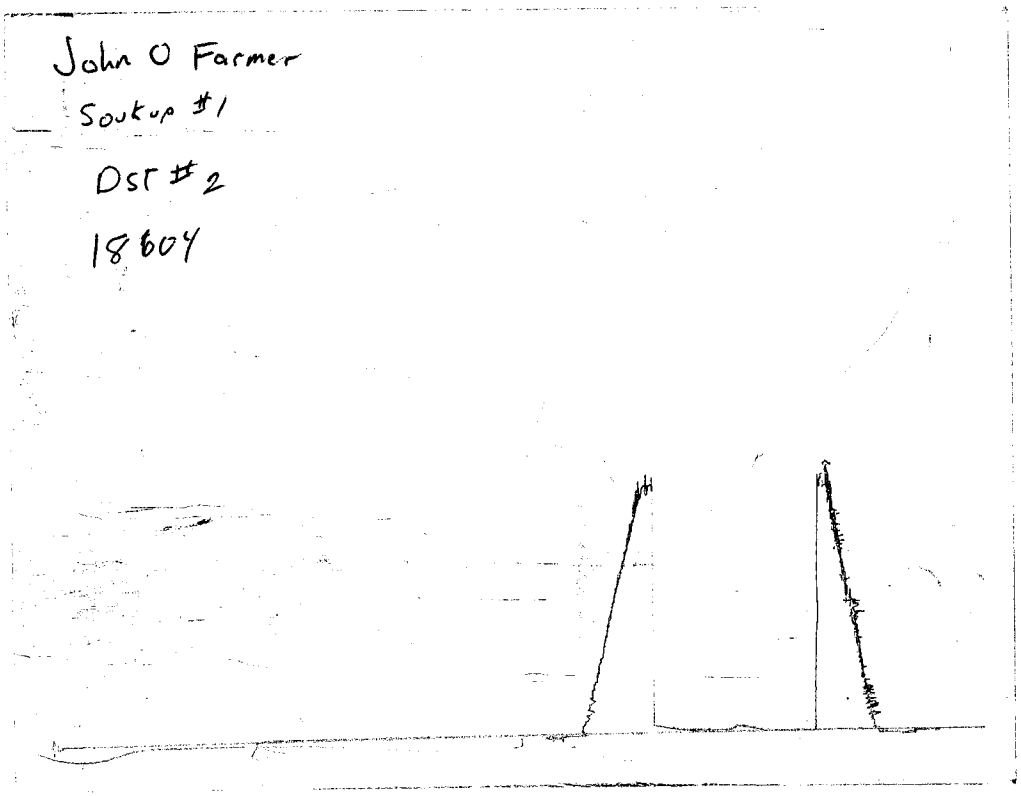
Approved By _____

Our Representative Jason McLemore Thank You

CHART PAGE

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



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

05/03

№ 18605

Test Ticket

Well Name & No. Soukup #1 Test No. 3 Date 2-21-03

Company John C Farmer Zone Tested H-J

Address PO Box 352, Russell, Ks. 67665 Elevation 1865 KB 1858 GL

Co. Rep / Geo. Matt Dreiling Cont. Discovery #2 Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 3 Twp. 15 s Rge. 13w Co. Russell State KS

No. of Copies Reg Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3180 - 3272 Initial Str Wt./Lbs. 40000 Unseated Str Wt/Lbs. 40000

Anchor Length 92' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50000

Top Packer Depth 3175 Tool Weight 3000

Bottom Packer Depth 3180 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 3272 Wt. Pipe Run 0 Drill Collar Run 31

Mud Wt. 9.3 LCM TR Vis. 43 WL 8.4 Drill Pipe Size 4½ XH Ft. Run 3162

Blow Description IFP- Weak Blow 1/4"

FFP- Weak Surface Blow, Died in 15 min.

Recovery - Total Feet 3 GIP _____ Ft. in DC _____ Ft. in DP _____

Rec. 3	Feet of Mud w/oil spots in tool	%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 97° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 6,000 ppm System

	AK-1	Alpine					
(A) Initital Hydrostatic Mud		1623	PSI	Recorder No.	6627	Test	✓
(B) First Initial Flow Pressure		13	PSI	(depth)	3184	Elec. Rec.	✓
(C) First Final Flow Pressure		19	PSI	Recorder No.	13252	Jars	
(D) Initial Shut-In Pressure		285	PSI	(depth)	3269	Safety Jt.	
(E) Second Initial Flow Pressure		21	PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure		23	PSI	(depth)		Sampler	
(G) Final Shut-In Pressure		79	PSI	**Initial Opening**	30	Straddle	
(Q) Final Hydrostatic Mud		1588	PSI	Initial Shut-In	30	Ext. Packer	
				Final Flow	30	Shale Packer	
				Final Shut-In	30	Mileage	40
				T-On Location	8:55	Sub Total:	918
				T-Started	9:55	Std. By	
				T-Open	11:07	Other	
				T-Pulled	13:07	Total:	
				T-Out	14:30		

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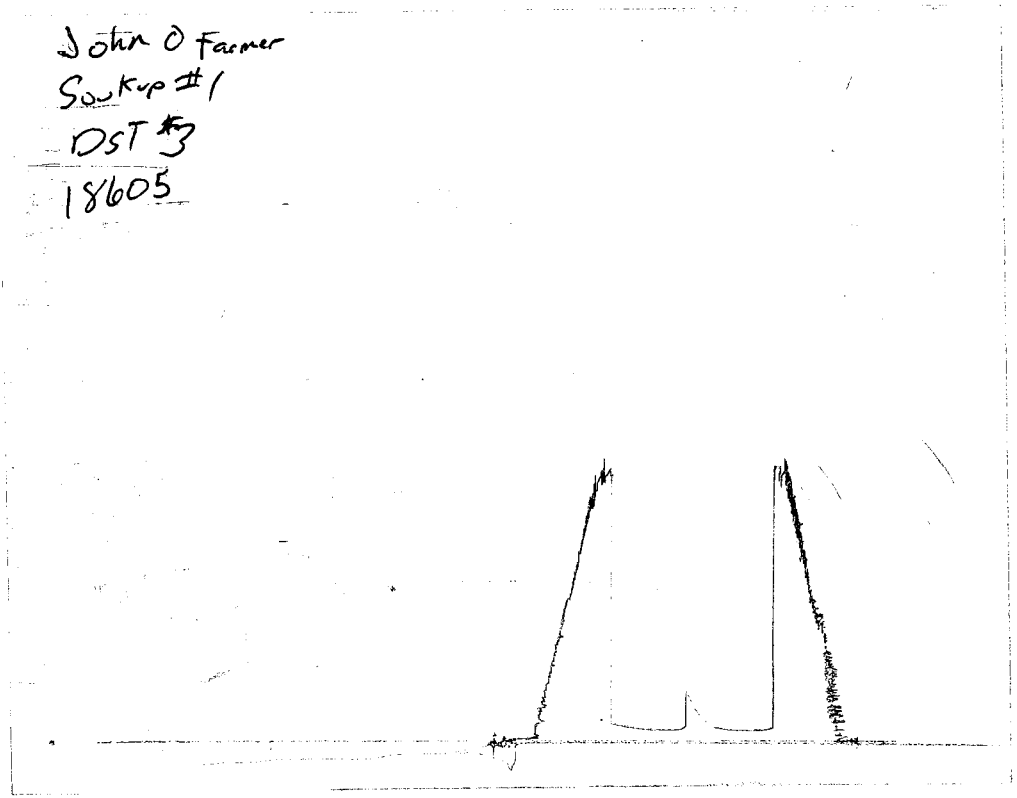
Approved By _____

Our Representative Jason McLemon

CHART PAGE

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



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

05/03

№ 18606

Test Ticket

Well Name & No. Soukup #1 Test No. 4 Date 2-22-04

Company John O. Farmer Zone Tested Arbuckle

Address PO Box 352, Russell, Ks. 67665 Elevation 1865 KB 1858 GL

Co. Rep / Geo. Matt Dreiling Cont. Discovery #2 Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 3 Twp. 15s Rge. 13w Co. Russell State KS

No. of Copies Reg Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3302 - 3357 Initial Str Wt./Lbs. 39,000 Unseated Str Wt/Lbs. 40,000

Anchor Length 55' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000

Top Packer Depth 3297 Tool Weight 2400

Bottom Packer Depth 3302 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 3357 Wt. Pipe Run 0 Drill Collar Run 31

Mud Wt. 9.4 LCM TR Vis. 50 WL 8.0 Drill Pipe Size 4½XH Ft. Run 3255

Blow Description IFP - Fair Blow, BOB in 30 min, Surface Blow back

FFP - Weak Blow, Built to 4", No Blowback

Recovery - Total Feet 190 GIP _____ Ft. in DC _____ Ft. in DP _____

Rec. 10	Feet of Clean Oil	%gas		%oil		%water		%mud	
Rec. 60	Feet of Mud & Water Cut Oil	%gas	50	%oil	10	%water	40	%mud	
Rec. 60	Feet of Oil Cut Mud & Water	%gas	40	%oil	20	%water	40	%mud	
Rec. 60	Feet of Muddy Water, W/oil show	%gas	5	%oil	50	%water	45	%mud	
Rec. _____	Feet of _____	%gas		%oil		%water		%mud	

BHT 106° °F Gravity 31 °API D @ 50 °F Corrected Gravity 30 °API

RW .650 @ 50 °F Chlorides 13,000 ppm Recovery _____ Chlorides 6,000 ppm System

	AK-1	Alpine					
(A) Initital Hydrostatic Mud		1697	PSI	Recorder No.	6627	Test	✓
(B) First Initial Flow Pressure		17	PSI	(depth)	3306	Elec. Rec.	✓
(C) First Final Flow Pressure		64	PSI	Recorder No.	13252	Jars	
(D) Initial Shut-In Pressure		934	PSI	(depth)	3354	Safety Jt.	
(E) Second Initial Flow Pressure		67	PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure		99	PSI	(depth)		Sampler	
(G) Final Shut-In Pressure		913	PSI	**Initial Opening**	30	Straddle	
(Q) Final Hydrostatic Mud		1640	PSI	Initial Shut-In	45	Ext. Packer	
				Final Flow	45	Shale Packer	
				Final Shut-In	60	Mileage	40
				T-On Location	00:15	Sub Total:	918
				T-Started	00:58	Std. By	
				T-Open	2:16	Other	
				T-Pulled	5:16	Total:	
				T-Out	7:17		

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Approved By Matt Dreiling

Our Representative Jason Kenyon