

**TRILOBITE
TESTING, INC.**

**KCC
SEP 28 2005
CONFIDENTIAL**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**
P O Box 352
Russell Ks 67665

ATTN: John O Farmer IV

12-9s-22w Graham

Buss F #1

Start Date: 2005.08.04 @ 15:19:10

End Date: 2005.08.04 @ 20:12:09

Job Ticket #: 23833 DST #: 1

15-065-23086

C SENE

1760 FNL 525 FEL

**RECEIVED
SEP 29 2005
KCC WICHITA**

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

DRILL STEM TEST REPORT



Tribolite Testing, Inc.
 P O Box 352
 Russell Ks 67665
 John O Farmer Inc
 Russell Ks 67665
 ATTN: John O Farmer IV

Buss F #1
 12-9s-22w Graham
 Job Ticket: 23833
 DST#: 1
 Test Start: 2005.08.04 @ 15:19:10

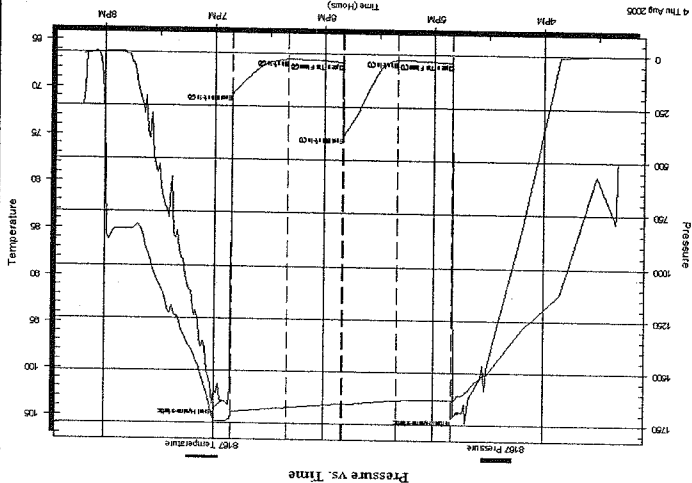
GENERAL INFORMATION:

Formation: LKC C-D
 Deviated: No
 Whipstock: ft (KB)
 Time Tool Opened: 16:50:09
 Time Test Ended: 20:12:09
 Interval: 3490.00 ft (KB) To 3535.00 ft (KB) (TVD)
 Total Depth: 3535.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Reference Elevations: 2248.00 ft (KB)
 2240.00 ft (CF)
 8.00 ft
 KB to GR/CF:

Serial #: 8167
 Inside
 Press@RunDepth: 29.08 psig @ 3500.01 ft (KB)
 Start Date: 2005.08.04
 End Date: 2005.08.04
 Start Time: 15:19:10
 End Time: 20:12:09
 Capacity: 7000.00 psig
 Last Callb.: 2005.08.04
 Time On Btm: 2005.08.04 @ 16:46:39
 Time Off Btm: 2005.08.04 @ 18:56:09
TEST COMMENT: FP-wk bl thru-out 1/2" to 1" bl
 FFP-surface bl, died in 7 min
 Times 30-30-30-30
 no bl on shut-in

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1687.13	102.72	Initial Hydro-static
4	38.41	103.15	Open To Flow (1)
34	27.95	103.27	Shut-in (1)
63	383.95	103.77	End Shut-in (1)
64	40.53	103.57	Open To Flow (2)
94	29.08	104.15	Shut-in (2)
124	192.88	104.65	End Shut-in (2)
130	1643.35	105.63	Final Hydro-static



Recovery

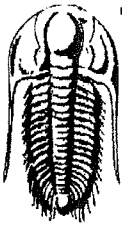
Length (ft)	Description	Volume (bbl)
10.00	mud w/show of oil	0.05

Gas Rates

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

Ref. No: 23833

Tribolite Testing, Inc



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Buss F #1

P O Box 352
Russell Ks 67665

12-9s-22w Graham

Job Ticket: 23833

DST#: 1

ATTN: John O Farmer IV

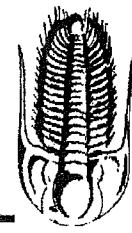
Test Start: 2005.08.04 @ 15:19:10

Tool Information

Drill Pipe:	Length: 3455.00 ft	Diameter: 3.80 inches	Volume: 48.46 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 48.61 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3490.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.02 ft			
Tool Length:	66.02 ft			
Number of Packers:	2	Diameter: 675.00 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3470.00	
Shut In Tool	5.00			3475.00	
Hydraulic tool	5.00			3480.00	
Packer	5.00			3485.00	21.00 Bottom Of Top Packer
Packer	5.00			3490.00	
Stubb	1.00			3491.00	
Perforations	9.00			3500.00	
Recorder	0.01	8167	Inside	3500.01	
Perforations	32.00			3532.01	
Recorder	0.01	13534	Outside	3532.02	
Bullnose	3.00			3535.02	45.02 Bottom Packers & Anchor

Total Tool Length: 66.02



TRILOBITE
TESTING, INC.

John O Farmer Inc
P O Box 352
Russell Ks 67665

ATTN: John O Farmer IV

12-9s-22w Graham
Job Ticket: 23833
DST#: 1

Test Start: 2005.08.04 @ 15:19:10

Buss F #1

FLUID SUMMARY

DRILL STEM TEST REPORT

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 8.71 in³
Resistivity: ohm.m
Salinity: 2500.00 ppm
Filter Cake: 1.00 inches

Cushion Type: Oil API
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type: Gas Cushion Pressure: psig
Water Salinity: ppm

Recovery Information

Length ft	Description	mud w/show of oil
10.00		0.049
Total Length:		10.00 ft
Total Volume:		0.049 bbl

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

Serial #: 8167

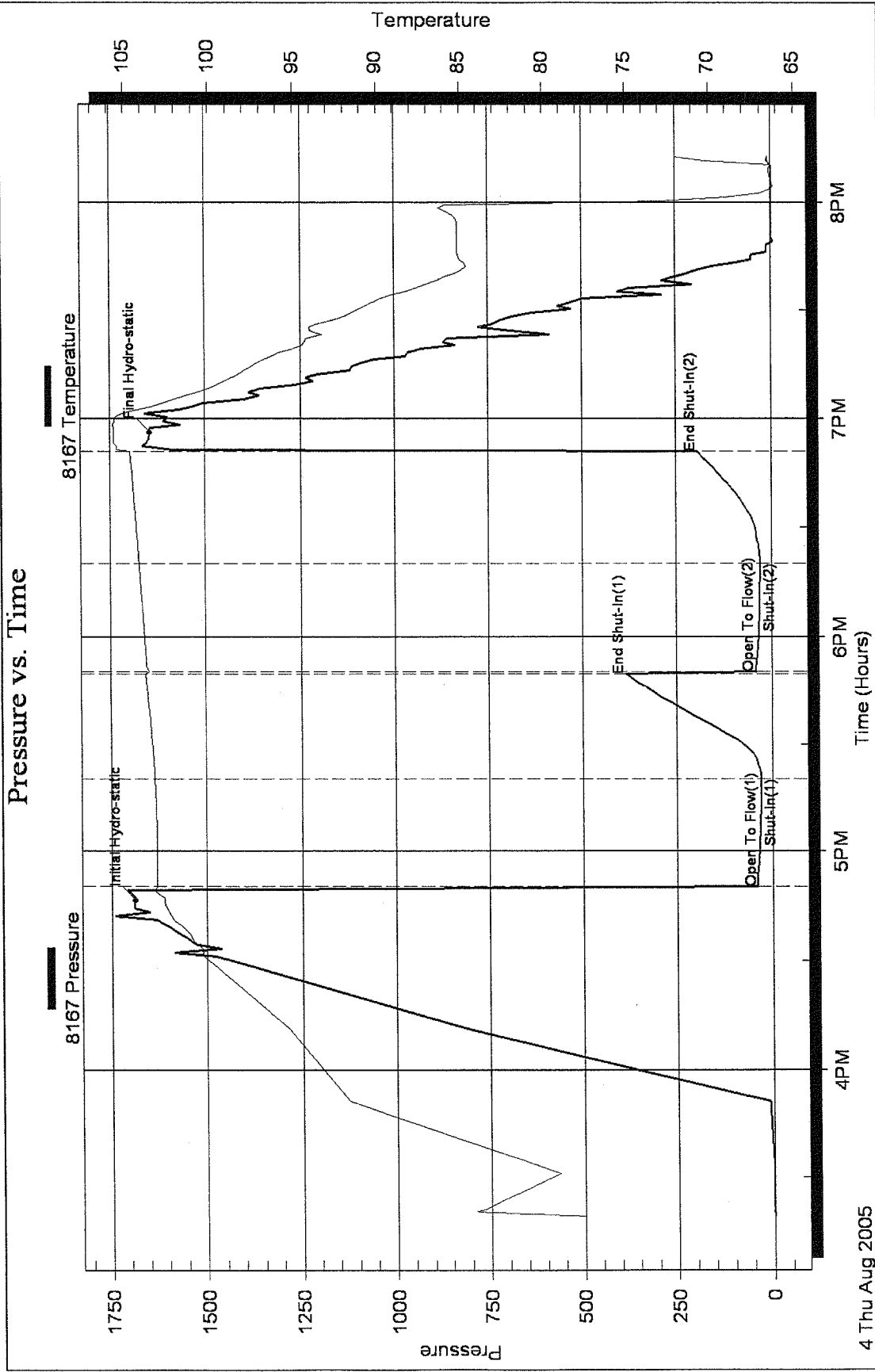
Inside

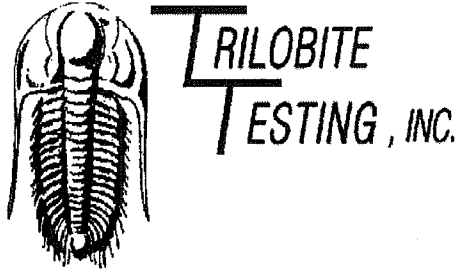
John O Farmer Inc

12-9s-22w Graham

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

P O Box 352
Russell Ks 67665

ATTN: John O Farmer IV

12-9s-22w Graham

Buss F #1

Start Date: 2005.08.05 @ 02:06:35

End Date: 2005.08.05 @ 07:45:04

Job Ticket #: 23834 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 Inc
 P O Box 352
 Russell Ks 67665
 ATTN: John O Farmer IV

Buss F #1
 12-9s-22w Graham
 Job Ticket: 23834
 DST#: 2
 Test Start: 2005.08.05 @ 02:06:35

GENERAL INFORMATION:

Formation: LKC F
 Deviated: No
 Whipstock: ft (KB)
 Time Tool Opened: 04:14:34
 Time Test Ended: 07:45:04
 Interval: 3535.00 ft (KB) To 3562.00 ft (KB) (TVD)
 Total Depth: 3562.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Reference Elevations: 2248.00 ft (KB)
 2240.00 ft (CF)
 8.00 ft
 KB to GRVCF:

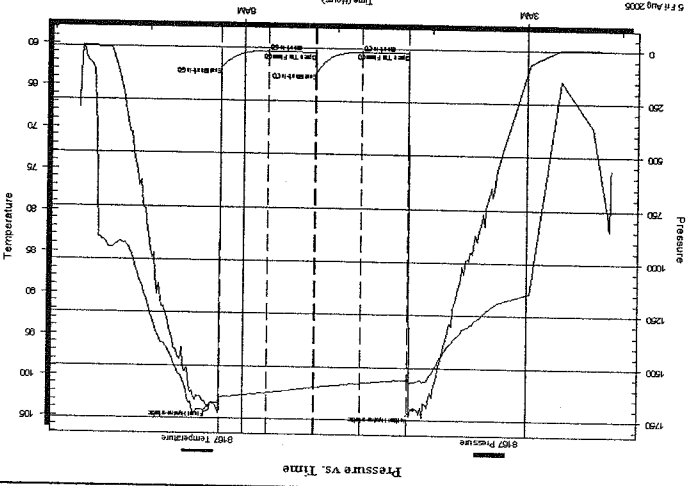
Serial #: 8167
 Inside

Press@RunDepth: 17.87 psig @ 3539.01 ft (KB)
 Start Date: 2005.08.05
 End Date: 2005.08.05
 Capacity: 7000.00 psig
 Last Call: 2005.08.05 @ 04:11:04
 Time On Btm: 2005.08.05 @ 06:20:04
 Time Off Btm: 2005.08.05 @ 06:20:04

TEST COMMENT: FFP-surface bl thru-out
 FFP-surface bl, died in 15 min
 Times 30-30-30-30
 no bl on shut-in

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1695.51	100.58	Initial Hydro-static
4	20.70	99.95	Open To Flow (1)
34	18.55	100.77	Shut-h(1)
63	116.46	101.33	End Shut-h(1)
64	22.68	101.33	Open To Flow (2)
94	17.87	102.03	Shut-h(2)
124	90.50	102.67	End Shut-h(2)
129	1676.83	103.41	Final Hydro-static

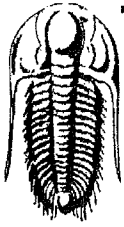


Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM 2% oil 98% mud	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Buss F #1

P O Box 352
Russell Ks 67665

12-9s-22w Graham

Job Ticket: 23834

DST#: 2

ATTN: John O Farmer IV

Test Start: 2005.08.05 @ 02:06:35

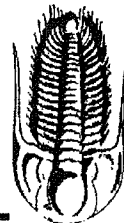
Tool Information

Drill Pipe:	Length: 3514.00 ft	Diameter: 3.80 inches	Volume: 49.29 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 49.44 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3535.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.02 ft			
Tool Length:	48.02 ft			
Number of Packers:	2	Diameter: 675.00 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3515.00	
Shut In Tool	5.00			3520.00	
Hydraulic tool	5.00			3525.00	
Packer	5.00			3530.00	21.00 Bottom Of Top Packer
Packer	5.00			3535.00	
Stubb	1.00			3536.00	
Perforations	3.00			3539.00	
Recorder	0.01	8167	Inside	3539.01	
Perforations	20.00			3559.01	
Recorder	0.01	13534	Outside	3559.02	
Bullnose	3.00			3562.02	27.02 Bottom Packers & Anchor

Total Tool Length: 48.02



TRILOBITE
TESTING, INC.

John O Farmer Inc

P O Box 352
Russell Ks 67665

ATTN: John O Farmer IV

Buss F #1
12-9S-22W Graham
Job Ticket: 23834
DST#:2
Test Start: 2005.08.05 @ 02:06:35

FLUID SUMMARY

DRILL STEM TEST REPORT

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 8.71 in³
Resistivity: ohm m
Salinity: 2500.00 ppm
Filter Cake: 1.00 inches

Cushion Type: Oil API
Cushion Length: ft
Cushion Volume: bbl
Water Salinity: ppm

Gas Cushion Type:
Gas Cushion Pressure: psig

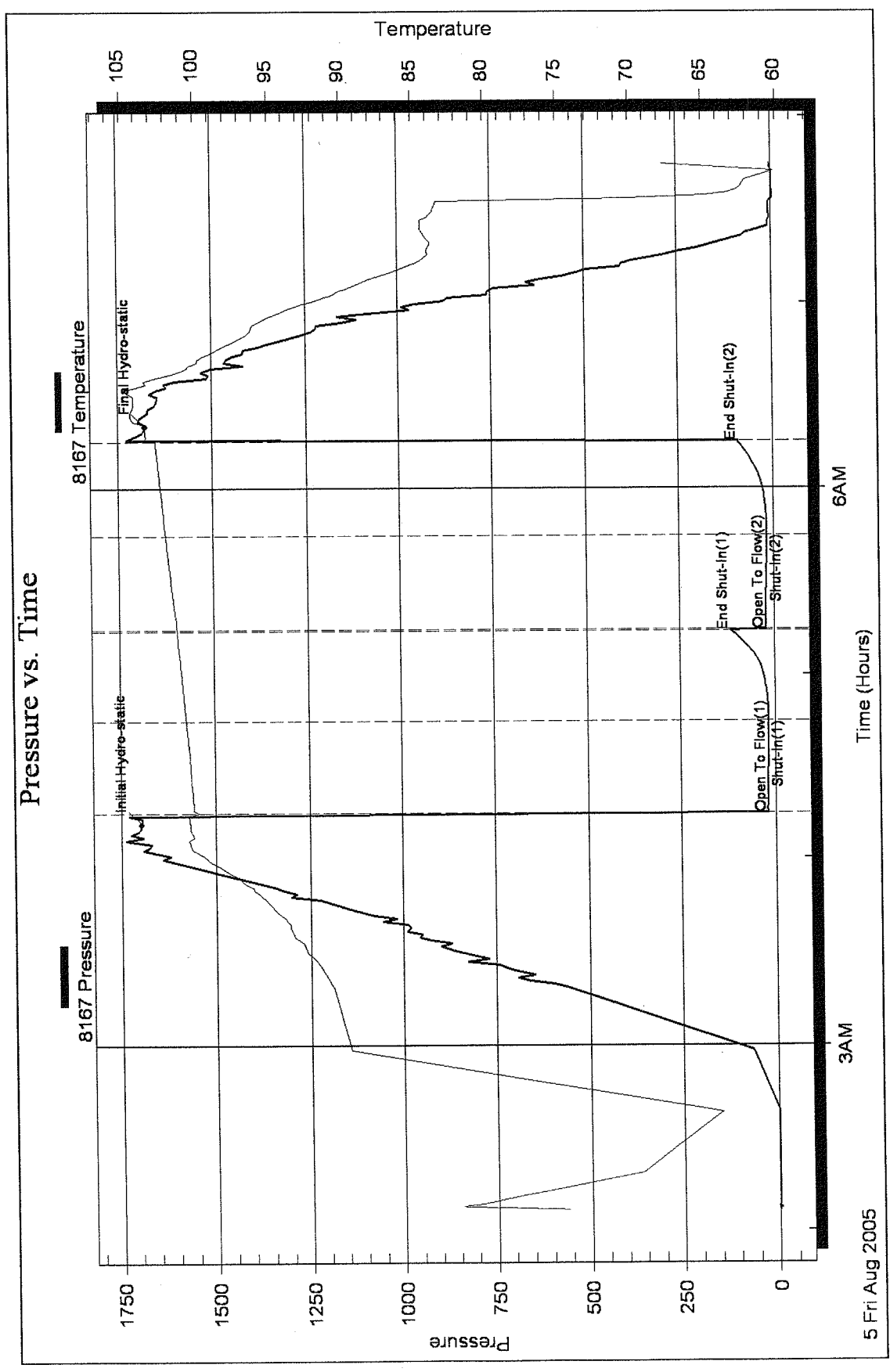
Recovery Information

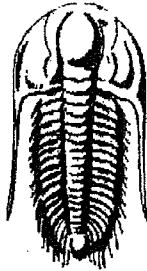
Recovery Table

Length ft	Description	Volume bbl
10.00	SOCM 2% oil 98% mud	0.049

Total Length: 10.00 ft
Total Volume: 0.049 bbl
Num Fluid Samples: 0
Laboratory Name:
Recovery Comments:
Laboratory Location:
Num Gas Bombs: 0
Serial #:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

P O Box 352
Russell Ks 67665

ATTN: John O Farmer IV

12-9s-22w Graham

Buss F #1

Start Date: 2005.08.05 @ 15:30:41

End Date: 2005.08.05 @ 20:53:10

Job Ticket #: 23835 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc

Buss F #1

12-9s-22w Graham

DST # 3

LKC

2005.08.05

DRILL STEM TEST REPORT



John O Farmer Inc

P O Box 352
Russell Ks 67665

ATTN: John O Farmer IV

Buss F #1
12-9s-22w Graham
Job Ticket: 23835
DST#:3
Test Start: 2005.08.05 @ 15:30:41

GENERAL INFORMATION:

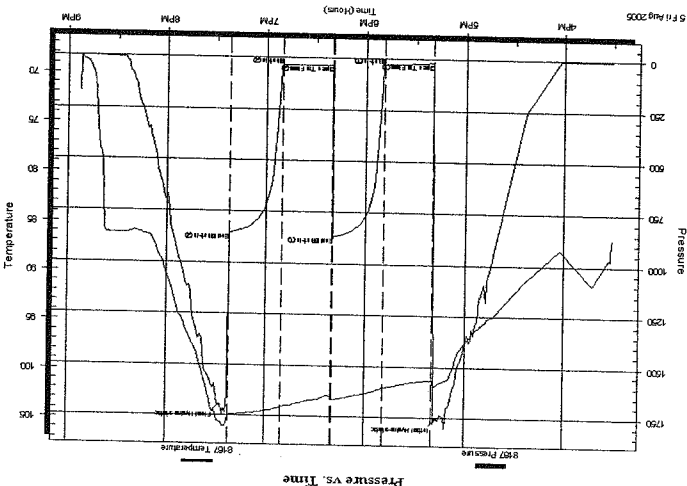
Formation: LKC
Deviated: No
Whipstock: ft (KB)
Time Tool Opened: 17:19:40
Time Test Ended: 20:53:10
Interval: 3585.00 ft (KB) To 3670.00 ft (KB) (TVD)
Total Depth: 3670.00 ft (KB) (TVD)
Hole Diameter: 7.85 inchesHole Condition: Fair
KB to GRVCF: 8.00 ft

Serial #: 8167
Inside
Press@RunDepth: 35.49 psig @ 3587.01 ft (KB)
Start Date: 2005.08.05
End Date: 2005.08.05
Start Time: 15:30:41
End Time: 20:53:10
Capacity: 7000.00 psig
Last Callb.: 2005.08.05
Time On Btm: 2005.08.05 @ 17:17:10
Time Off Btm: 2005.08.05 @ 19:27:40

TEST COMMENT: IFF-wk bl thru-out 1/4"bl
FFP-wk bl thru-out 1/4"bl
Times 30-30-30-30
no bl on shut-in

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1752.70	101.41	Initial Hydro-static
3	18.45	100.85	Open To Flow (1)
32	30.14	101.70	Shut-in(1)
63	866.62	102.97	End Shut-in(1)
63	33.84	102.71	Open To Flow (2)
93	35.49	103.76	Shut-in(2)
125	849.80	104.68	End Shut-in(2)
131	1694.93	105.32	Final Hydro-static

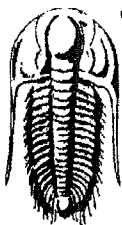


Recovery

Length (ft)	Description	Volume (bbl)
40.00	mud	0.29

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Buss F #1

P O Box 352
Russell Ks 67665

12-9s-22w Graham

Job Ticket: 23835

DST#: 3

ATTN: John O Farmer IV

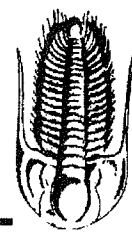
Test Start: 2005.08.05 @ 15:30:41

Tool Information

Drill Pipe:	Length: 3547.00 ft	Diameter: 3.80 inches	Volume: 49.76 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 49.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3585.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	85.02 ft			
Tool Length:	106.02 ft			
Number of Packers:	2	Diameter: 675.00 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3565.00	
Shut In Tool	5.00			3570.00	
Hydraulic tool	5.00			3575.00	
Packer	5.00			3580.00	21.00 Bottom Of Top Packer
Packer	5.00			3585.00	
Stubb	1.00			3586.00	
Perforations	1.00			3587.00	
Recorder	0.01	8167	Inside	3587.01	
Perforations	64.00			3651.01	
Perforations	16.00			3667.01	
Recorder	0.01	13534	Outside	3667.02	
Bullnose	3.00			3670.02	85.02 Bottom Packers & Anchor
Total Tool Length:	106.02				



TRILOBITE TESTING, INC.

John O Farmer Inc
P O Box 352
Russell Ks 67665

ATTN: John O Farmer IV

12-9s-22w Graham
Job Ticket: 23835
DST#: 3

Test Start: 2005.08.05 @ 15:30:41

Buss F #1

FLUID SUMMARY

DRILL STEM TEST REPORT

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 60.00 sec/qt
Water Loss: 8.36 in³
Resistivity: ohm-m
Salinity: 3000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

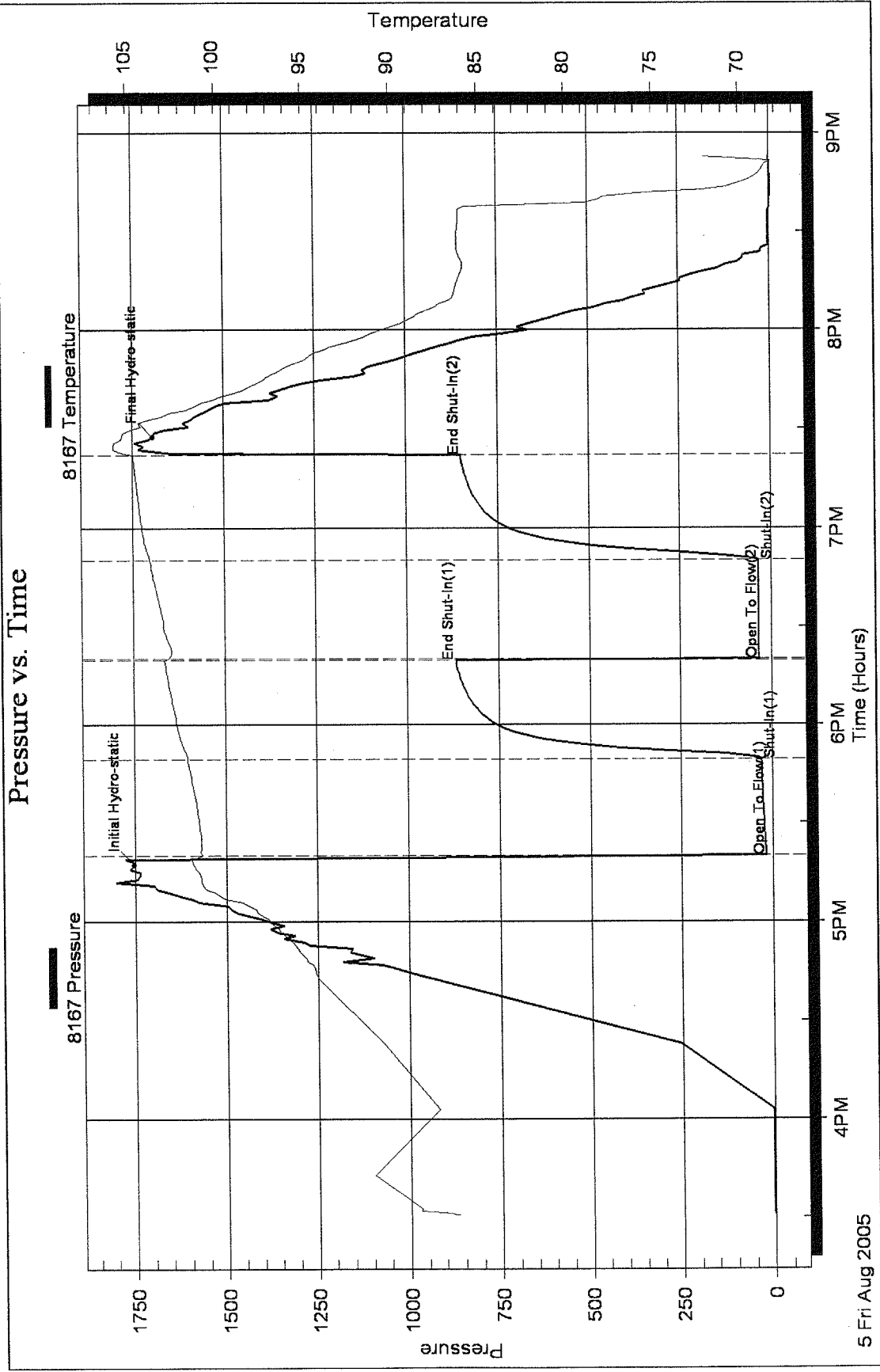
Oil API: deg API
Water Salinity: ppm

Recovery Information

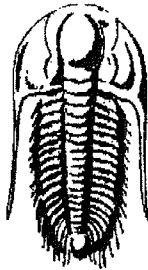
Recovery Table

Length ft	Description	Volume bbl
40.00	mud	0.288
Total Length: 40.00 ft		
Total Volume: 0.288 bbl		
Num Fluid Samples: 0		
Num Gas Bombs: 0		
Serial #:		
Laboratory Name:		
Laboratory Location:		
Recovery Comments:		

Pressure vs. Time



5 Fri Aug 2005



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

P O Box 352
Russell Ks 67665

ATTN: John O Farmer IV

12-9s-22w Graham

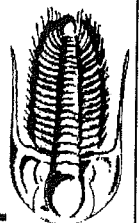
Buss F #1

Start Date: 2005.08.06 @ 18:31:13

End Date: 2005.08.07 @ 01:32:12

Job Ticket #: 23836 DST #: 4

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



TRIBOLITE
TESTING, INC.

John O Farmer Inc

P O Box 352

Russell Ks 67665

ATTN: John O Farmer IV

Test Start: 2005.08.06 @ 18:31:13

Job Ticket: 23836

DST#:4

12-9S-22W Graham

Buss F #1

DRILL STEM TEST REPORT

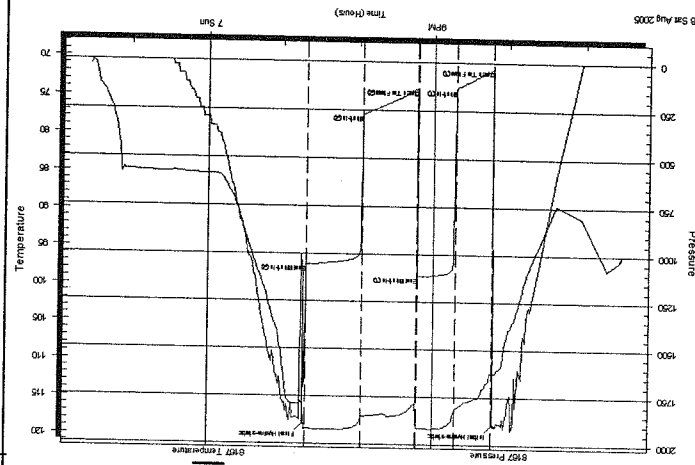
GENERAL INFORMATION:

Formation: Arbuckle
Deviated: No Whipstock:
Time Tool Opened: 20:12:42
Time Test Ended: 01:32:12
Interval: 3798.00 ft (KB) To 3823.00 ft (KB) (TVD)
Total Depth: 3870.00 ft (KB) (TVD)
Hole Diameter: 7.85 inchesHole Condition: Fair
KB to GRFC: 8.00 ft

Serial #: 8167 Inside
Press@RunDepth: 271.01 psig @ 3799.01 ft (KB)
Start Date: 2005.08.06 End Date: 2005.08.07
Start Time: 18:31:13 End Time: 01:32:12
Capacity: 7000.00 psig
Last Callb.: 1899.12.30
Time On Blrm: 2005.08.06 @ 20:12:12
Time Off Blrm: 2005.08.06 @ 22:43:42

TEST COMMENT: FF- 1" blow building to bottom of bucket in 8 minutes
ISF no blow
FF- 1/2" blow building to bottom of bucket in 11 minutes
FS- no blow

PRESSURE VS. TIME



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1897.22	111.68	Initial Hydro-static
1	28.34	110.99	Open To Flow (1)
30	133.50	116.50	Shut-In (1)
61	1117.49	119.02	End Shut-In (1)
61	136.57	117.61	Open To Flow (2)
105	271.01	117.50	Shut-In (2)
119.19	1058.02	119.19	End Shut-In (2)
152	1895.15	116.79	Final Hydro-static

Gas Rates

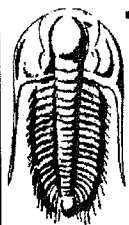
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Recovery

Length (ft)	Description	Volume (bbl)
100.00	O & WCM 20% Oil 30% Water 50% Mud	1.13
640.00	clean oil	8.98

Tribolite Testing, Inc

Ref. No: 23836



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Buss F #1

P O Box 352
Russell Ks 67665

12-9s-22w Graham

Job Ticket: 23836

DST#: 4

ATTN: John O Farmer IV

Test Start: 2005.08.06 @ 18:31:13

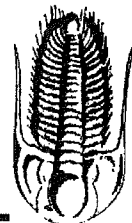
Tool Information

Drill Pipe:	Length: 3765.00 ft	Diameter: 3.80 inches	Volume: 52.81 bbl	Tool Weight: 2200.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 52.96 bbl</u>	Tool Chased 30.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3798.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.03 ft			
Tool Length:	97.03 ft			
Number of Packers:	2	Diameter: 675.00 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3778.00	
Shut In Tool	5.00			3783.00	
Hydraulic tool	5.00			3788.00	
Packer	5.00			3793.00	21.00 Bottom Of Top Packer
Packer	5.00			3798.00	
Stubb	1.00			3799.00	
Recorder	0.01	8167	Inside	3799.01	
Perforations	21.00			3820.01	
Recorder	0.01	13534	Outside	3820.02	
Blank Off Sub	3.00			3823.02	76.03 Tool Interval
Packer	5.00			3828.02	
Perforations	5.00			3833.02	
Recorder	0.01	13547	Below	3833.03	
Change Over Sub	1.00			3834.03	
Blank Spacing	31.00			3865.03	
Change Over Sub	1.00			3866.03	
Perforations	5.00			3871.03	
Bullnose	3.00			3874.03	1000096.03 Bottom Packers & Anchor

Total Tool Length: 97.03



TRIOBITE
TESTING, INC

John O Farmer Inc

P O Box 352
Russell Ks 67665

ATTN: John O Farmer IV

Buss F #1
12-9S-22W Graham
Job Ticket: 23836
DST#:4

Test Start: 2005.08.06 @ 18:31:13

FLUID SUMMARY

DRILL STEM TEST REPORT

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: 8.71 in³
Resistivity: ohm.m
Salinity: 2500.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 20 deg API
Water Salinity: ppm

Recovery Information

Length ft	Description	Volume bbl
100.00	O & WCM 20% Oil 30% Water 50% Mud	1.129
640.00	clean oil	8.978

Total Length: 740.00 ft
Total Volume: 10.107 bbl

Num Fluid Samples: 0
Laboratory Name:
Laboratory Location:
Serial #:

Recovery Comments: Rw .25 @ 72
22@80

Pressure vs. Time

