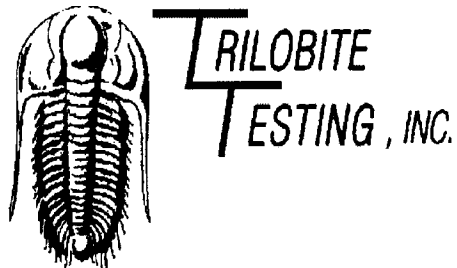


15-065-23133

2-9s-22w

CONFIDENTIAL
MAR 24 2006

KCC



DRILL STEM TEST REPORT

Prepared For: **John O Farmer, Inc.**

P.O.Box 352
Russell, Ks. 67665

ATTN: John O. Farmer IV

2-9s--22w

Buss-Billips # 2

Start Date: 2006.01.27 @ 17:00:51

End Date: 2006.01.27 @ 22:22:51

Job Ticket #: 23319

DST #: 1

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

RECEIVED
MAR 27 2006
KCC WICHITA

John O Farmer, Inc.

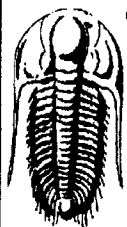
Buss-Billips # 2

2-9s-22w

DST # 1

L.K.C.-J & K

2006.01.27



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer, Inc.

P.O.Box 352
Russell, Ks. 67665

ATTN: John O. Farmer IV

Buss-Billips # 2

2-9s-22w

Job Ticket: 23319

DST#: 1

Test Start: 2006.01.27 @ 17:00:51

GENERAL INFORMATION:

Formation: **L.Kc.-J & K**

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

Time Tool Opened: 18:41:51

Time Test Ended: 22:22:51

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **31**

Interval: **3626.00 ft (KB) To 3670.00 ft (KB) (TVD)**

Total Depth: **3670.00 ft (KB) (TVD)**

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

Reference Elevations: **2218.00 ft (KB)**

2212.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8018

Inside

Press@RunDepth: **40.94 psig @ 3631.00 ft (KB)**

Start Date: **2006.01.27**

End Date: **2006.01.27**

Start Time: **17:00:56**

End Time: **22:22:50**

Capacity: **7000.00 psig**

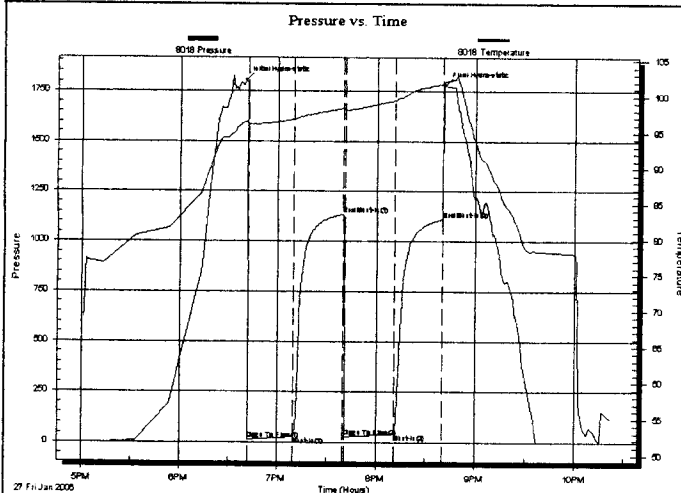
Last Calib.: **2006.01.27**

Time On Btm: **2006.01.27 @ 18:40:21**

Time Off Btm: **2006.01.27 @ 20:41:21**

TEST COMMENT: **IF-Weak surface blow.**
FF-Dead

ISI-Dead
FSI-Dead



PRESSURE SUMMARY

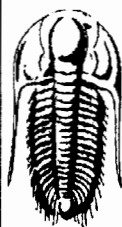
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1802.65	96.43	Initial Hydro-static
2	14.57	96.10	Open To Flow (1)
30	27.84	96.78	Shut-In(1)
60	1135.13	98.36	End Shut-In(1)
61	29.02	98.08	Open To Flow (2)
91	40.94	99.46	Shut-In(2)
120	1110.40	101.80	End Shut-In(2)
121	1781.01	102.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	D.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.

P.O.Box 352
Russell, Ks. 67665

ATTN: John O. Farmer IV

Buss-Billips # 2

2-9s-22w

Job Ticket: 23319

DST#: 1

Test Start: 2006.01.27 @ 17:00:51

Tool Information

Drill Pipe:	Length: 3513.00 ft	Diameter: 3.80 inches	Volume: 49.28 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	60000.00 lb
			Total Volume: 49.88 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3626.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	44.00 ft				
Tool Length:	64.00 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			3607.00	
Shut In Tool	5.00			3612.00	
Hydraulic tool	5.00			3617.00	
Packer	4.00			3621.00	20.00 Bottom Of Top Packer
Packer	5.00			3626.00	
Stubb	1.00			3627.00	
Perforations	3.00			3630.00	
Change Over Sub	1.00			3631.00	
Recorder	0.00	8018	Inside	3631.00	
Blank Spacing	30.00			3661.00	
Change Over Sub	1.00			3662.00	
Perforations	5.00			3667.00	
Recorder	0.00	13308	Outside	3667.00	
Bullnose	3.00			3670.00	44.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer, Inc.

Buss-Billips # 2

P.O.Box 352
Russell, Ks. 67665

2-9s-22w

Job Ticket: 23319

DST#: 1

ATTN: John O. Farmer IV

Test Start: 2006.01.27 @ 17:00:51

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	D.Mud	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

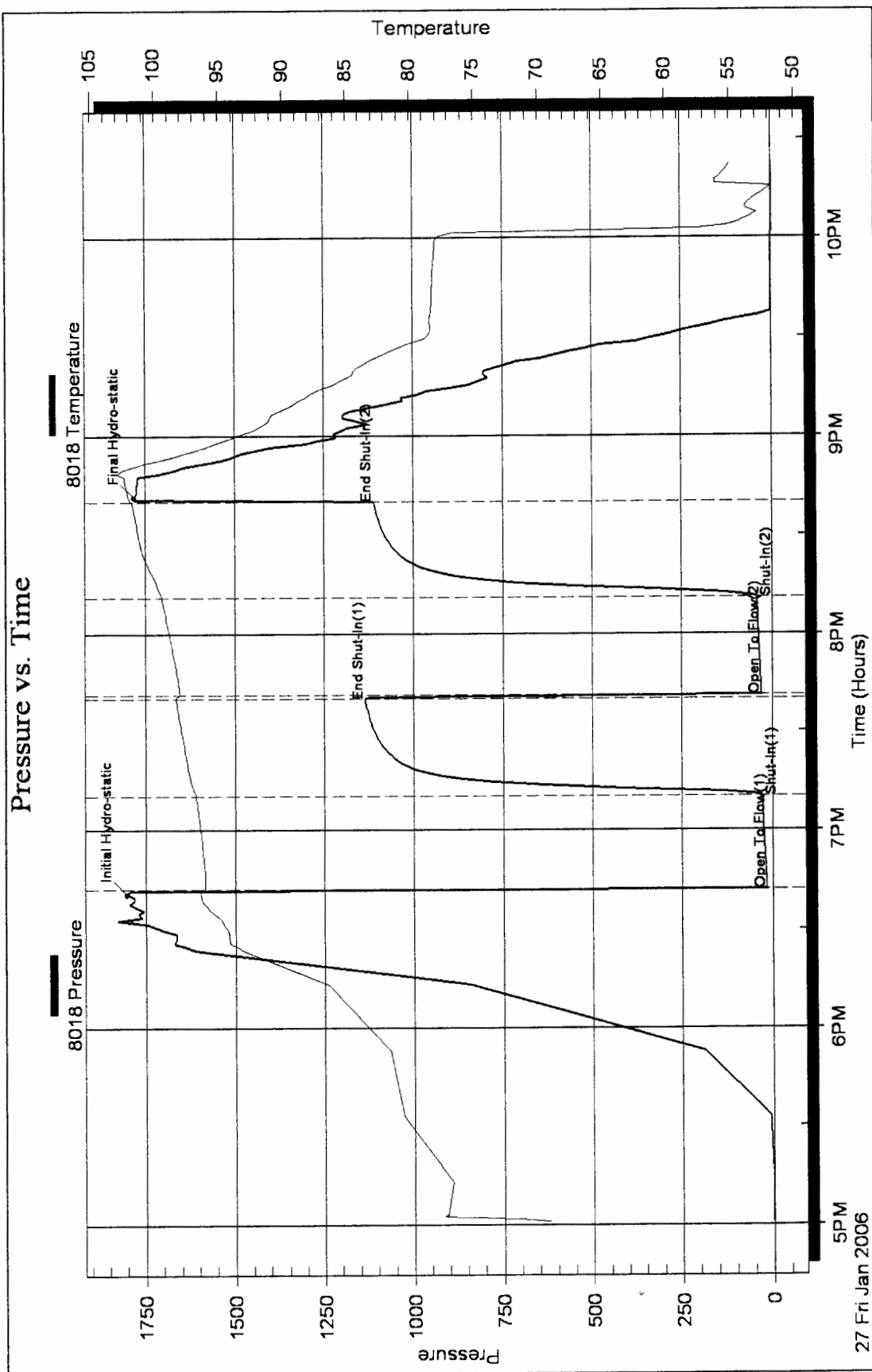
Serial #:

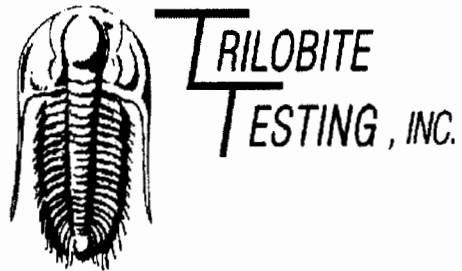
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **John O Farmer, Inc.**

P.O.Box 352
Russell, Ks. 67665

ATTN: John O. Farmer IV

2--9s--22w

Buss-Billips # 2

Start Date: 2006.01.28 @ 18:08:02

End Date: 2006.01.29 @ 02:09:32

Job Ticket #: 23320 DST #: 2

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer, Inc.

P.O.Box 352
Russell, Ks. 67665

ATTN: John O. Farmer IV

Buss-Billips # 2

2-9s-22w

Job Ticket: 23320

DST#: 2

Test Start: 2006.01.28 @ 18:08:02

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 19:59:32

Time Test Ended: 02:09:32

Test Type: **Conventional Straddle**

Tester: **John Schmidt**

Unit No: **31**

Interval: **3793.00 ft (KB) To 3826.00 ft (KB) (TVD)**

Total Depth: **3873.00 ft (KB) (TVD)**

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

Reference Elevations: **2218.00 ft (KB)**

2212.00 ft (CF)

KB to GR/CF: **6.00 ft**

Serial #: 8018

Inside

Press@RunDepth: **867.52 psig @ 3797.00 ft (KB)**

Start Date: **2006.01.28**

End Date:

2006.01.29

Start Time: **18:08:07**

End Time:

02:09:31

Capacity: **7000.00 psig**

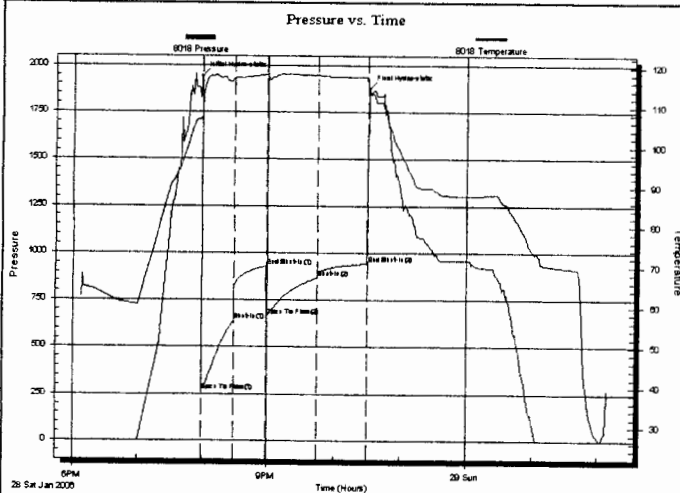
Last Calib.: **2006.01.29**

Time On Btmr: **2006.01.28 @ 19:59:02**

Time Off Btmr: **2006.01.28 @ 22:31:02**

TEST COMMENT: **IF-Strong B.O.B.1 min.**
FF-Strong B.O.B.2 min.

ISI-Dead
FSI-Very weak surface blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1941.76	107.43	Initial Hydro-static
1	264.79	108.15	Open To Flow (1)
30	638.85	117.14	Shut-In(1)
60	929.11	118.11	End Shut-In(1)
60	664.98	117.98	Open To Flow (2)
106	867.52	117.88	Shut-In(2)
151	943.51	117.54	End Shut-In(2)
152	1875.09	113.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2180.00	Clean oil	29.48

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer, Inc.

Buss-Billips # 2

P.O.Box 352
Russell, Ks. 67665

2-9s-22w

Job Ticket: 23320

DST#: 2

ATTN: John O. Farmer IV

Test Start: 2006.01.28 @ 18:08:02

Tool Information

Drill Pipe:	Length: 3670.00 ft	Diameter: 3.80 inches	Volume: 51.48 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	52.08 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3793.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	3826.00 ft				
Interval between Packers:	33.00 ft				
Tool Length:	100.00 ft				
Number of Packers:	3	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3774.00	
Shut In Tool	5.00			3779.00	
Hydraulic tool	5.00			3784.00	
Packer	4.00			3788.00	20.00 Bottom Of Top Packer
Packer	5.00			3793.00	
Stubb	1.00			3794.00	
Perforations	3.00			3797.00	
Recorder	0.00	8018	Inside	3797.00	
Perforations	28.00			3825.00	
Recorder	0.00	13308	Outside	3825.00	
Blank Off Sub	1.00			3826.00	33.00 Tool Interval
Packer	0.00			3826.00	
Stubb	1.00			3827.00	
Perforations	5.00			3832.00	
Change Over Sub	1.00			3833.00	
Recorder	0.00	11084		3833.00	
Blank Spacing	31.00			3864.00	
Change Over Sub	1.00			3865.00	
Perforations	5.00			3870.00	
Bullnose	3.00			3873.00	47.00 Bottom Packers & Anchor

Total Tool Length: 100.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer, Inc.

Buss-Billips # 2

P.O.Box 352
Russell, Ks. 67665

2-9s-22w

Job Ticket: 23320

DST#: 2

ATTN: John O. Farmer IV

Test Start: 2006.01.28 @ 18:08:02

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

20 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2180.00	Clean oil	29.477

Total Length: 2180.00 ft

Total Volume: 29.477 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

