



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

P.O.Box 352
Russell, Ks. 67665

ORIGINAL
ATTN: John O Farmer IV.

25-12s-18w Ellis KS

Schmeidler #B-1

Start Date: 2003.03.06 @ 00:20:25

End Date: 2003.03.06 @ 07:20:25

Job Ticket #: 17442 DST #: 1

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.

Schmeidler #B-1

P.O.Box 352
Russell, Ks. 67665

25-12s-18w Ellis KS

Job Ticket: 17442 DST#: 1

ATTN: John O Farmer IV.

Test Start: 2003.03.06 @ 00:20:25

GENERAL INFORMATION:

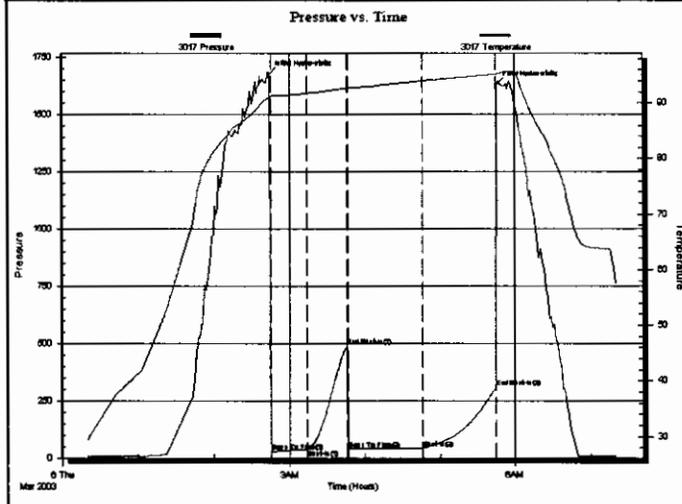
Formation: **L.Kc.-C to I**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 02:45:25
 Time Test Ended: 07:20:25
 Interval: **3461.00 ft (KB) To 3608.00 ft (KB) (TVD)**
 Total Depth: **3608.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **John Schmidt**
 Unit No: **18**
 Reference Elevations: **2171.00 ft (KB)**
2163.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 3017

Inside

Press@RunDepth: **42.66 psig @ 3466.01 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2003.03.06** End Date: **2003.03.06** Last Calib.: **2003.03.06**
 Start Time: **00:20:27** End Time: **07:20:25** Time On Btm: **2003.03.06 @ 02:44:25**
 Time Off Btm: **2003.03.06 @ 05:45:25**

TEST COMMENT: **F-Weak 2" in** **ISI-Dead**
FF-Weak 1/2" in **FSI-Dead**



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1677.20	91.07	Initial Hydro-static
1	26.56	91.24	Open To Flow (1)
30	37.57	91.80	Shut-In(1)
62	487.34	92.72	End Shut-In(1)
62	38.47	92.74	Open To Flow (2)
122	42.66	94.00	Shut-In(2)
181	308.62	95.24	End Shut-In(2)
181	1627.97	95.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	S-O-C-M-5%oil 95% mud	0.36

Gas Rates

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



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TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer, Inc.

Schmeidler #B-1

P.O.Box 352
Russell, Ks. 67665

25-12s-18w Ellis KS

Job Ticket: 17442

DST#: 1

ATTN: John O Farmer IV.

Test Start: 2003.03.06 @ 00:20:25

Tool Information

Drill Pipe:	Length: 3417.00 ft	Diameter: 3.80 inches	Volume: 47.93 bbl	Tool Weight: 4000.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 48.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3461.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	147.02 ft			
Tool Length:	167.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3442.00	
S.I. Tool	5.00			3447.00	
HMV	5.00			3452.00	
Packer	4.00			3456.00	20.00 Bottom Of Top Packer
Packer	5.00			3461.00	
Stubb	1.00			3462.00	
Perforations	3.00			3465.00	
C.O. Sub	1.00			3466.00	
Recorder	0.01	3017	Inside	3466.01	
Blank Spacing	123.00			3589.01	
C.O. Sub	1.00			3590.01	
Perforations	15.00			3605.01	
Recorder	0.01	13308	Outside	3605.02	
Bullnose	3.00			3608.02	147.02 Bottom Packers & Anchor

Total Tool Length: 167.02



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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer, Inc.

Schmeidler #B-1

P.O.Box 352
Russell, Ks. 67665

25-12s-18w Ellis KS

Job Ticket: 17442 **DST#: 1**

ATTN: John O Farmer IV.

Test Start: 2003.03.06 @ 00:20:25

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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	S-O-C-M--5%oil 95% mud	0.358

Total Length: 45.00 ft Total Volume: 0.358 bbl

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

Laboratory Name: Laboratory Location:

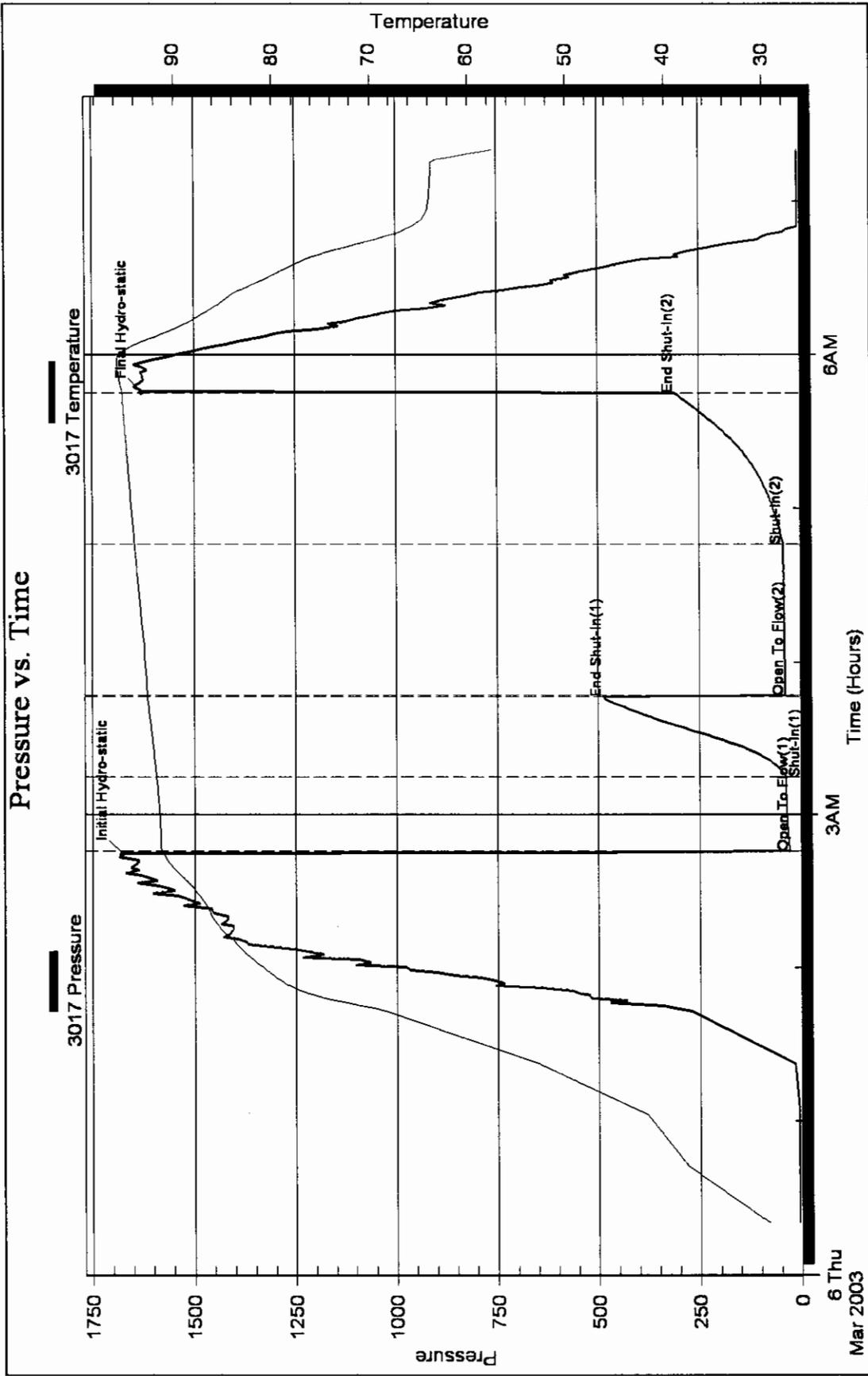
Recovery Comments:

Serial #: 3017

Inside John O Farmer, Inc.

25-12s-18w Ellis KS

DST Test Number: 1





DRILL STEM TEST REPORT

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

P.O.Box 352
Russell, Ks. 67665

ATTN: John O Farmer IV.

25-12s-18w Ellis KS

Schmeidler #B-1

Start Date: 2003.03.06 @ 22:00:11

End Date: 2003.03.07 @ 04:02:11

Job Ticket #: 17443 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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DRILL STEM TEST REPORT

John O Farmer, Inc.

Schmeidler #B-1

P.O.Box 352
Russell, Ks. 67665

25-12s-18w Ellis KS

Job Ticket: 17443

DST#: 2

ATTN: John O Farmer IV.

Test Start: 2003.03.06 @ 22:00:11

GENERAL INFORMATION:

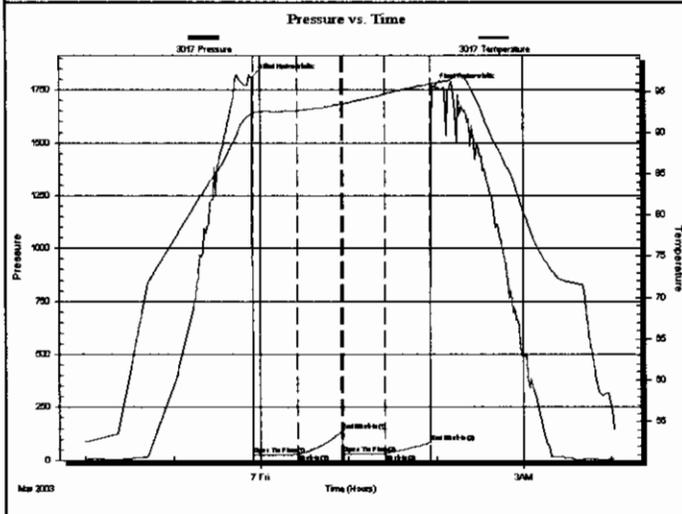
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:54:41
 Time Test Ended: 04:02:11
 Interval: **3679.00 ft (KB) To 3730.00 ft (KB) (TVD)**
 Total Depth: 3730.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: John Schmidt
 Unit No: 18
 Reference Elevations: 2171.00 ft (KB)
 2163.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 3017

Inside

Press@RunDepth: 32.48 psig @ 3684.01 ft (KB) Capacity: 7000.00 psig
 Start Date: 2003.03.06 End Date: 2003.03.07 Last Calib.: 2003.03.07
 Start Time: 22:00:13 End Time: 04:02:11 Time On Btrr: 2003.03.06 @ 23:54:11
 Time Off Btrr: 2003.03.07 @ 01:58:11

TEST COMMENT: F-Weak Dead in 20 min.
FF-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1807.18	92.29	Initial Hydro-static
1	25.05	92.36	Open To Flow (1)
31	28.68	92.70	Shut-In(1)
61	140.75	93.45	End Shut-In(1)
62	30.26	93.49	Open To Flow (2)
91	32.48	94.68	Shut-In(2)
122	85.48	95.92	End Shut-In(2)
124	1763.74	96.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	drilling mud with oil spots.	0.02

Gas Rates

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



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer, Inc.

Schmeidler #B-1

P.O.Box 352
Russell, Ks. 67665

25-12s-18w Ellis KS

Job Ticket: 17443

DST#: 2

ATTN: John O Farmer IV.

Test Start: 2003.03.06 @ 22:00:11

Tool Information

Drill Pipe:	Length: 3659.00 ft	Diameter: 3.80 inches	Volume: 51.33 bbl	Tool Weight: 3000.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 51.48 bbl</u>	Tool Chased 800.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3679.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	51.02 ft			
Tool Length:	71.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3660.00	
S.I. Tool	5.00			3665.00	
HMV	5.00			3670.00	
Packer	4.00			3674.00	20.00 Bottom Of Top Packer
Packer	5.00			3679.00	
Stubb	1.00			3680.00	
Perforations	3.00			3683.00	
C.O. Sub	1.00			3684.00	
Recorder	0.01	3017	Inside	3684.01	
Blank Spacing	31.00			3715.01	
C.O. Sub	1.00			3716.01	
Perforations	11.00			3727.01	
Recorder	0.01	13308	Outside	3727.02	
Bullnose	3.00			3730.02	51.02 Bottom Packers & Anchor

Total Tool Length: 71.02

 TRILOBITE TESTING, INC	DRILL STEM TEST REPORT		FLUID SUMMARY
	John O Farmer, Inc. P.O.Box 352 Russell, Ks. 67665 ATTN: John O Farmer IV.	Schmeidler #B-1 25-12s-18w Ellis KS Job Ticket: 17443 DST#: 2 Test Start: 2003.03.06 @ 22:00:11	
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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			
Recovery Information			
Recovery Table			
Length ft	Description	Volume bbl	
5.00	drilling mud w with oil spots.	0.025	
Total Length:	5.00 ft	Total Volume:	0.025 bbl
Num Fluid Samples: 0	Num Gas Bombs: 0	Serial #:	
Laboratory Name:	Laboratory Location:		
Recovery Comments:			

Serial #: 3017

Inside

John O Farmer, Inc.

25-12s-18w Ellis KS

DST Test Number: 2

Pressure vs. Time

