

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665

ATTN: Randy Kilian

2 17S 25W Ness KS

Mishler D-1

Start Date: 2006.12.17 @ 20:36:13

End Date: 2006.12.18 @ 02:45:56

Job Ticket #: 26023 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc

PO Box 352
Russell KS 67665

ATTN: Randy Kilian

Mishler D-1

2 17S 25W Ness KS

Job Ticket: 26023

DST#: 1

Test Start: 2006.12.17 @ 20:36:13

GENERAL INFORMATION:

Formation: **Ft.Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:57:11

Time Test Ended: 02:45:56

Test Type: Conventional Bottom Hole

Tester: Michael Shinn

Unit No: 3

Interval: **4345.00 ft (KB) To 4383.00 ft (KB) (TVD)**

Total Depth: 4383.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 2493.00 ft (KB)

2488.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6672

Inside

Press@RunDepth: 18.91 psig @ 4345.00 ft (KB)

Start Date: 2006.12.17

End Date:

2006.12.18

Start Time: 20:36:13

End Time:

02:45:56

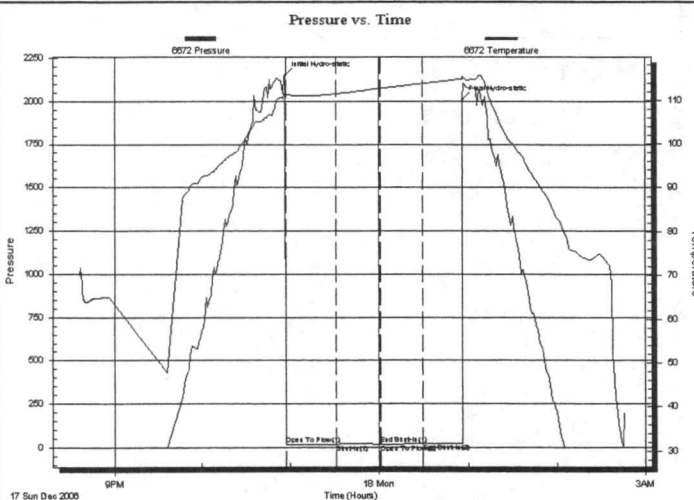
Capacity: 7000.00 psig

Last Calib.: 2006.12.18

Time On Btm: 2006.12.17 @ 22:56:41

Time Off Btm: 2006.12.18 @ 00:56:11

TEST COMMENT: IF Return blow to 1/2 in
IS No return
FF No return blow
ISI No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2149.01	111.61	Initial Hydro-static
1	18.10	111.39	Open To Flow (1)
35	18.91	111.47	Shut-In(1)
64	18.82	112.66	End Shut-In(1)
65	18.82	112.70	Open To Flow (2)
93	19.23	113.82	End Shut-In(2)
120	2009.43	115.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%M	0.02

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

PO Box 352
Russell KS 67665

ATTN: Randy Kilian

Mishler D-1

2 17S 25W Ness KS

Job Ticket: 26023

DST#: 1

Test Start: 2006.12.17 @ 20:36:13

Tool Information

Drill Pipe:	Length: 4312.00 ft	Diameter: 3.80 inches	Volume: 60.49 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 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: 54000.00 lb
			Total Volume: 60.64 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4345.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	1	Diameter: inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4330.00	
Hydraulic tool	5.00			4335.00	
Packer	5.00			4340.00	20.00 Bottom Of Top Packer
Packer	5.00			4345.00	
Recorder	0.00	6672	Inside	4345.00	
Perforations	33.00			4378.00	
Recorder	0.00	11020	Inside	4378.00	
Bullnose	5.00			4383.00	38.00 Bottom Packers & Anchor

Total Tool Length: 58.00



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Mishler D-1

PO Box 352
Russell KS 67665

2 17S 25W Ness KS

Job Ticket: 26023

DST#: 1

ATTN: Randy Kilian

Test Start: 2006.12.17 @ 20:36:13

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: 9.95 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%M	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:

DST Test Number: 1

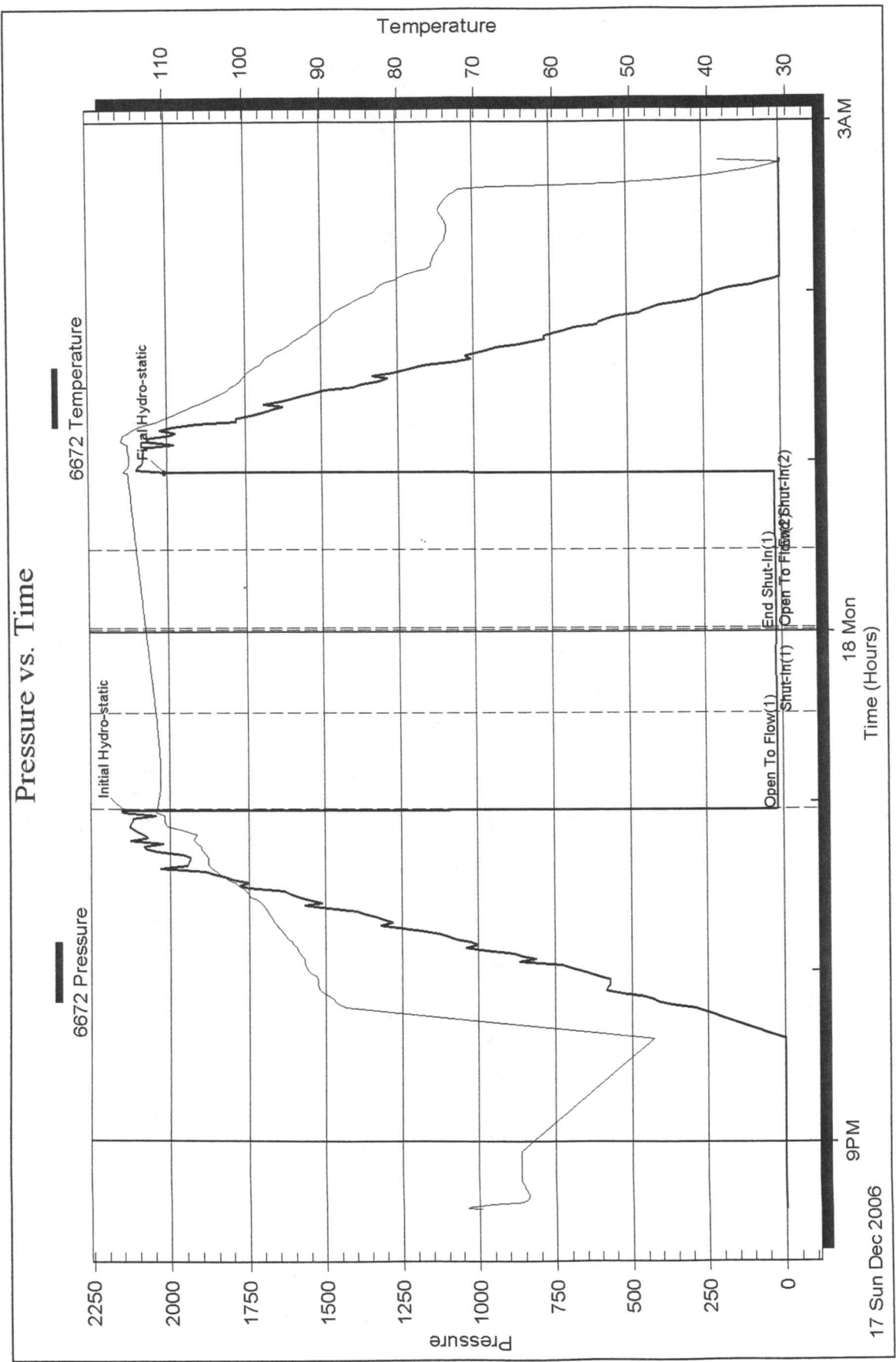
2 17S 25W Ness KS

John O Farmer Inc

Inside

Serial #: 6672

Pressure vs. Time





**TRILOBITE
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DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665

ATTN: Randy Kilian

2 17S 25W Ness KS

Mishler D-1

Start Date: 2006.12.18 @ 12:42:20

End Date: 2006.12.18 @ 21:03:48

Job Ticket #: 26150 DST #: 2

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DRILL STEM TEST REPORT

John O Farmer Inc

PO Box 352
Russell KS 67665

ATTN: Randy Kilian

Mishler D-1

2 17S 25W Ness KS

Job Ticket: 26150

DST#: 2

Test Start: 2006.12.18 @ 12:42:20

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:51:03

Time Test Ended: 21:03:48

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 24

Interval: **4419.00 ft (KB) To 4458.00 ft (KB) (TVD)**

Total Depth: 4458.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 2493.00 ft (KB)

2488.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6769

Inside

Press@RunDepth: 203.28 psig @ 4423.01 ft (KB)

Start Date: 2006.12.18

End Date:

2006.12.18

Capacity: 7000.00 psig

Last Calib.: 2006.12.18

Start Time: 12:42:20

End Time:

21:03:48

Time On Btm: 2006.12.18 @ 14:50:48

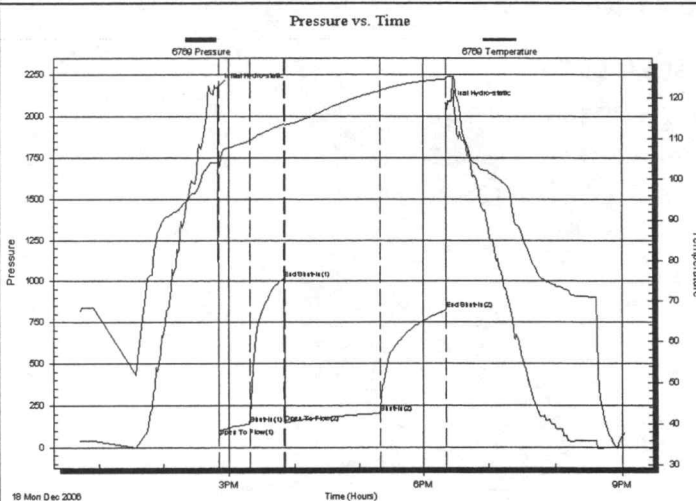
Time Off Btm: 2006.12.18 @ 18:21:18

TEST COMMENT: IFP BOB 14 min.

ISI Sur blow back died 10 min.

FFP BOB 20 min.

FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2174.53	104.09	Initial Hydro-static
1	65.77	103.44	Open To Flow (1)
29	140.85	109.50	Shut-In (1)
60	1017.08	113.50	End Shut-In (1)
61	146.12	113.30	Open To Flow (2)
149	203.28	121.65	Shut-In (2)
211	825.38	124.50	End Shut-In (2)
211	2071.88	124.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	GMCO 30%G 50%O 20%M	1.83
210.00	FREE OIL 50%G 50%O	2.95

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

PO Box 352
Russell KS 67665

ATTN: Randy Kilian

Mishler D-1

2 17S 25W Ness KS

Job Ticket: 26150

DST#: 2

Test Start: 2006.12.18 @ 12:42:20

Tool Information

Drill Pipe:	Length: 4350.00 ft	Diameter: 3.80 inches	Volume: 61.02 bbl	Tool Weight:	2500.00 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:	65000.00 lb
		Total Volume:	61.17 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	49000.00 lb
Depth to Top Packer:	4419.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	41.02 ft				
Tool Length:	85.02 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4380.00	
Telemetry Tool	24.00			4404.00	
Hydraulic tool	5.00			4409.00	
Packer	5.00			4414.00	44.00 Bottom Of Top Packer
Packer	5.00			4419.00	
Stubb	1.00			4420.00	
Perforations	2.00			4422.00	
Change Over Sub	1.00			4423.00	
Recorder	0.01	6769	Inside	4423.01	
Blank Spacing	31.00			4454.01	
Change Over Sub	1.00			4455.01	
Recorder	0.01	13548	Inside	4455.02	
Bullnose	5.00			4460.02	41.02 Bottom Packers & Anchor

Total Tool Length: 85.02



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FLUID SUMMARY

John O Farmer Inc

Mishler D-1

PO Box 352
Russell KS 67665

2 17S 25W Ness KS

Job Ticket: 26150

DST#: 2

ATTN: Randy Kilian

Test Start: 2006.12.18 @ 12:42:20

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	GMCO 30%G 50%O 20%M	1.831
210.00	FREE OIL 50%G 50%O	2.946

Total Length: 360.00 ft

Total Volume: 4.777 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 210 ' GIP

Serial #: 6769

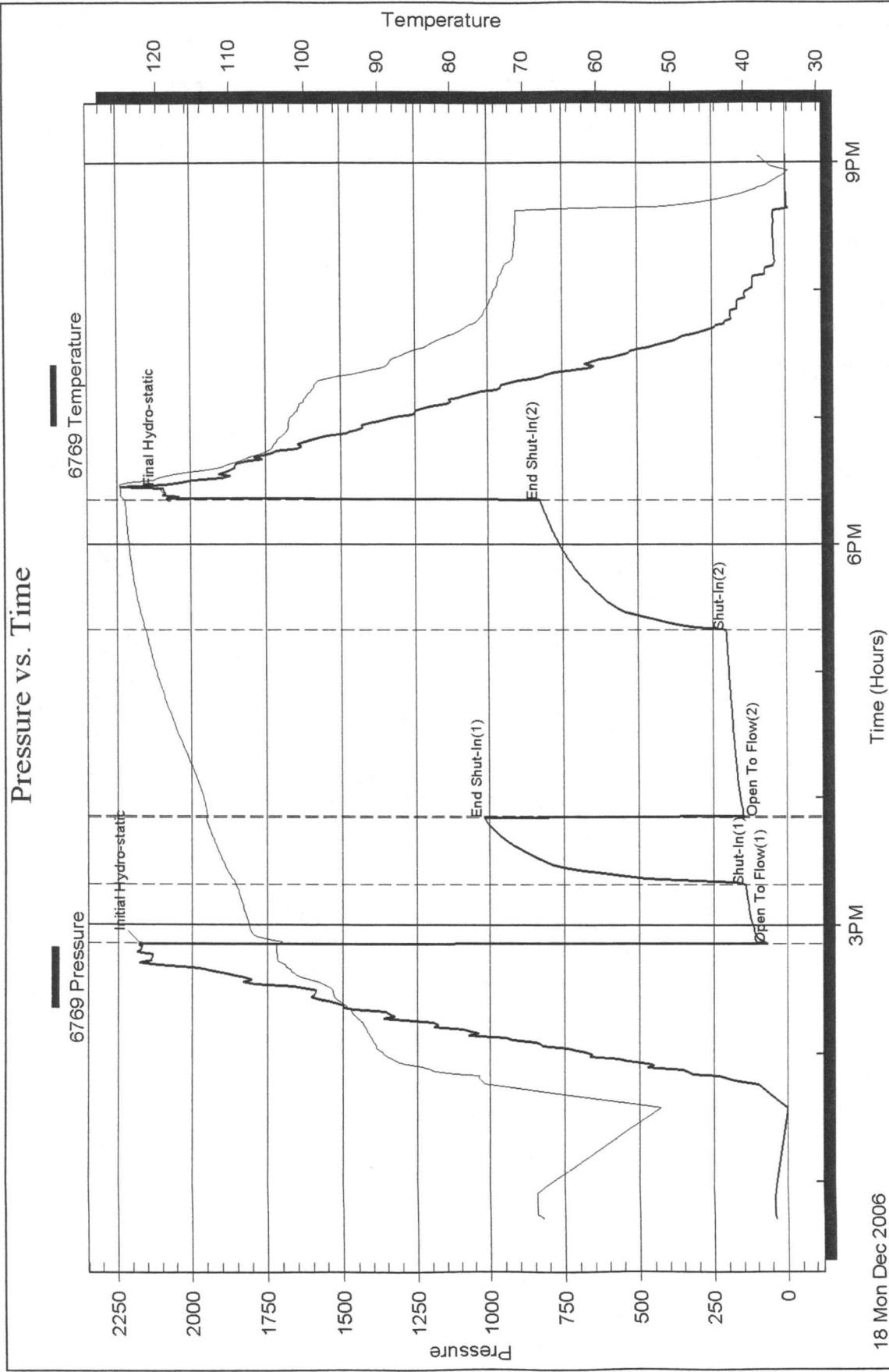
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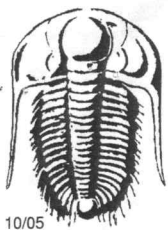
John O Farmer Inc

2 17S 25W Ness KS

DST Test Number: 2

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26023

9667

Test Ticket

Well Name & No.	<u>Ashter D-1</u>	Test No.	<u>1</u>	Date	<u>12-12-96</u>
Company	<u>John O Farmer</u>	Zone Tested	<u>Kt. Scott</u>		
Address	<u>P.O. Box 352 Russell, KS 67465</u>	Elevation	<u>2493</u> KB <u>2488</u> GL		
Co. Rep / Geo.	<u>Bandy Kilian</u>	Rig	<u>Discovery Rig #3</u>		
Location: Sec.	<u>2</u>	Twp.	<u>17s</u>	Rge.	<u>25w</u>
		Co.	<u>Mass</u>	State	<u>KS</u>
Comment:		Release date / time:			

Interval Tested	<u>4345'</u>	<u>4383'</u>	Initial Str Wt./Lbs.	<u>50,000</u>	Unseated Str Wt./Lbs.	<u>50,000</u>	
Anchor Length	<u>38'</u>		Wt. Set Lbs.	<u>25,000</u>	Wt. Pulled Loose/Lbs.	<u>54,020</u>	
Top Packer Depth	<u>4340'</u>		Tool Weight	<u>150</u>			
Bottom Packer Depth	<u>4345'</u>		Hole Size	<u>7 7/8"</u> ✓	Rubber Size	<u>6 3/4"</u> ✓	
Total Depth	<u>4383'</u>		Wt. Pipe Run	✓	Drill Collar Run	<u>31'</u>	
Mud Wt.	<u>9.3</u>	LCM	<u>To</u>	Vis.	<u>46</u>	WL	<u>10.0</u>
Drill Pipe Size	<u>4 1/2 IH</u>		Ft. Run	<u>4312'</u>			
Blow Description	<u>IS; Refurn blow to 1/2 in</u>						
	<u>IS; No Refurn</u>						
	<u>EF; No Refurn blow</u>						
	<u>IS; No Refurn</u>						
Recovery - Total Feet	<u>5'</u>	GIP	<u>0</u>	Ft. in DC	<u>0</u>	Ft. in DP	<u>5'</u>
Rec.	<u>5'</u>	Feet of	<u>mud</u>	%gas	%oil	%water	<u>100%</u> 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	<u>114</u>	°F Gravity		°API D @		°F Corrected Gravity	
RW		@		°F	Chlorides	ppm Recovery	Chlorides <u>4,000</u> ppm System

(A) Initial Hydrostatic Mud	<u>2149</u> PSI	Recorder No.	<u>6672</u>	Test	<u>17/200</u> ⁰⁹ <u>1200</u>
(B) First Initial Flow Pressure	<u>18</u> PSI	(depth)	<u>4345'</u>	Jars	
(C) First Final Flow Pressure	<u>19</u> PSI	Recorder No.		Safety Jt.	
(D) Initial Shut-In Pressure	<u>19</u> PSI	(depth)		Circ Sub	<u>X N/C</u>
(E) Second Initial Flow Pressure	<u>19</u> PSI	Recorder No.	<u>11020</u>	Sampler	
(F) Second Final Flow Pressure	<u>19</u> PSI	(depth)	<u>4378'</u>	Straddle	
(G) Final Shut-In Pressure	<u>19</u> PSI	Initial Opening	<u>30</u>	Ext. Packer	
(Q) Final Hydrostatic Mud	<u>2095</u> PSI	Initial Shut-In	<u>30</u>	Shale Packer	
		Final Flow	<u>30</u>	Ruined Packer	
		Final Shut-In	<u>30</u>	Mileage	<u>X 116</u> <u>145</u>
		T-On Location	<u>20:30 p.m.</u>	Sub Total:	
		T-Started	<u>21:30 p.m.</u>	Std. By	
		T-Open	<u>23:50 p.m.</u>	Acc. Chg:	<u>21345</u>
		T-Pulled	<u>01:50 a.m.</u>	Other:	
		T-Out	<u>03:40 a.m.</u>	Total	<u>21345</u>

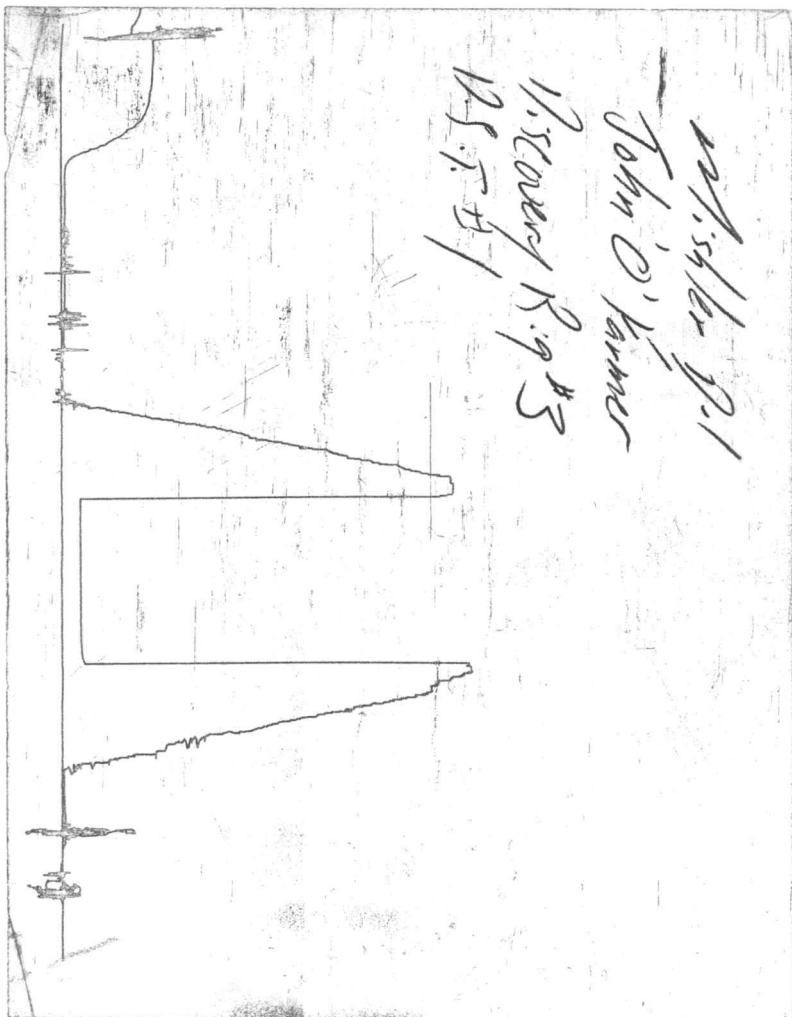
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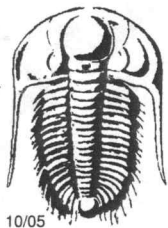
Approved By _____

Our Representative [Signature]

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26150

Test Ticket

Well Name & No. Mishler D-1 Test No. 2 Date 12-18-06
 Company JOF Zone Tested Mississippian
 Address P.O. Box 352 Russell, KS 67665 Elevation 2493 KB 2488 GL
 Co. Rep / Geo. Randy Kilfer Rig Disco 3
 Location: Sec. 2 Twp. 17 Rge. 25 Co. Ness State KS
 Comment: _____ Release date / time: _____

Interval Tested 4419-4458 Initial Str Wt./Lbs. 49,000 Unseated Str Wt./Lbs. 50,000
 Anchor Length 39 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 4414 Tool Weight 2500
 Bottom Packer Depth 4419 Hole Size 7 7/8" - Rubber Size 6 3/4" -
 Total Depth 4458 Wt. Pipe Run - Drill Collar Run 30
 Mud Wt. 9.3 LCM - Vis. 54 WL 8.0 Drill Pipe Size 4 1/2 X 14 Ft. Run 4350

Blow Description IFP- BOB 14 min
ISI- sur blow back died 10 min
FFP- BOB 20 min
FST- no blow back

Recovery - Total Feet 360 GIP 210 Ft. in DC 30 Ft. in DP 330
 Rec. 210 Feet of Freq oil 50 %gas 50 %oil %water %mud
 Rec. 150 Feet of G.M.C.O 30 %gas 50 %oil %water 20 %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 125 °F Gravity 36 °API D @ 30 °F Corrected Gravity 39 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2133	PSI	Recorder No.	6769	Test	✓	1200
(B) First Initial Flow Pressure	17.2	66	PSI	(depth)	4423	Jars			
(C) First Final Flow Pressure		141	PSI	Recorder No.	13548	Safety Jt.			
(D) Initial Shut-In Pressure		1017	PSI	(depth)	4455	Circ Sub			
(E) Second Initial Flow Pressure		146	PSI	Recorder No.		Sampler			
(F) Second Final Flow Pressure		203	PSI	(depth)		Straddle			
(G) Final Shut-In Pressure	778	825	PSI	Initial Opening	30	Ext. Packer			
(Q) Final Hydrostatic Mud		2085	PSI	Initial Shut-In	30	Shale Packer			
				Final Flow	90	Ruined Packer			145
				Final Shut-In	60	Mileage	✓		62
				T-On Location	1232	Sub Total:			
				T-Started	1243	Std. By			1345
				T-Open	1452	Acc. Chg:			
				T-Pulled	1822	Other: Telem. Tool			
				T-Out	2105	Total:			

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Approved By _____
 Our Representative Brian Farback (Thick)

CHART PAGE

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

