

Operator Name: John O. Farmer, Inc. Lease Name: Jansonius Unit Well #: 1
Sec. 27 Twp. 3 S. R. 20 East West County: Phillips

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No
(Attach Additional Sheets)
Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run Yes No
(Submit Copy)
List All E. Logs Run:

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
	Name	Top Datum
	Anhydrite	1839' (+391)
	Topeka	3214' (-984)
	Heebner	3426' (-1196)
	Toronto	3459' (-1229)
	Lansing	3472' (-1242)
	Base/KC	3673' (-1443)
	Arbuckle	3743' (-1513)
	L.T.D.	3822' (-1592)

Borehole Compensated Sonic Log, Dual Induction Log, Compensated Density Neutron Log

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./ Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	23#	221.05'	Common	150	3% C.C., 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record		Depth
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)		

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr.	Producing Method			
	<input type="checkbox"/> Flowing	<input type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift	<input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas Vented Sold Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____



Discovery Drilling

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

KCC
NOV 17 2010
CONFIDENTIAL

DRILLER'S LOG

Operator: John O. Farmer, Inc. LIC # 5135 Contractor: Discovery Drilling Co., Inc. LIC#31548
P.O. Box 352 PO Box 763
Russell, KS 67665 Hays, KS 67601

Lease: Jansonius Unit # 1 Location: SW/SW/SE/SE
Sec. 27/3S/20W
Phillips Co., KS

Loggers Total Depth: 3822' API#15- 147-20,631-00-00
 Rotary Total Depth: 3830' Elevation: 2222 GL / 2230 KB
 Commenced: 9/18/2010 Completed: 9/24/2010
 Casing: 8 5/8" @ 221.05W/150sks Status: D & A

DEPTHS & FORMATIONS (All from KB)

Surface, Sand & Shale	<u>0'</u>	Shale	<u>1865'</u>
Dakota Sand	<u>1176'</u>	Shale & Lime	<u>2396'</u>
Shale	<u>1240'</u>	Shale	<u>2709'</u>
Cedar Hill Sand	<u>1353'</u>	Shale & Lime	<u>3069'</u>
Red Bed Shale	<u>1573'</u>	Lime & Shale	<u>3299'</u>
Anhydrite	<u>1838'</u>	RTD	<u>3830'</u>
Base Anhydrite	<u>1865'</u>		

STATE OF KANSAS)
) ss
 COUNTY OF ELLIS)

Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.

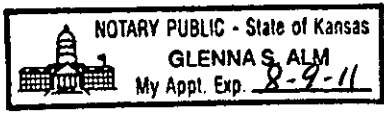
Thomas H. Alm

Subscribed and sworn to before me on 9-29-10

My Commission expires: 8-9-11

(Place stamp or seal below)

Notary Public



RECEIVED
 NOV 18 2010
 KCC WICHITA

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

COPY No. 4529

Date	9-18-10	Sec.	27	Twp.	3	Range	20	County	Phillips	State	Kansas	On Location	3:00 PM
Lease	Sinsinimes Unit			Well No.	1			Location	Lagan 63 N 1/2 E N1/4				
Contractor	Discovery Drilling Rg1							Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.				
Type Job	Surface							Charge To	J.O. Farmer				
Hole Size	12 1/4		T.D.	221		Depth	221		Street				
Csg.	8 5/8		23 1/2	Depth			City	State					
Tbg. Size			Depth			The above was done to satisfaction and supervision of owner agent or contractor.							
Tool			Depth			Cement Amount Ordered 150 Com 300 200							
Cement Left in Csg.	10-15		Shoe Joint										
Meas Line			Displace	134.1361									

EQUIPMENT

Pumptrk	9	No.	Cementer	S
			Helper	Steve
Bulktrk	12	No.	Driver	Brauden
			Driver	
Bulktrk		No.	Driver	Doug
			Driver	

Common	150
Poz. Mix	
Gel.	3 KCC
Calcium	5 NOV 17 2010

JOB SERVICES & REMARKS

Remarks:
Rat Hole
Mouse Hole
Centralizers
Baskets
D/V or Port Collar

Hulls
Salt
Flowseal
Kol-Seal
Mud CLR 48
CFL-117 or CD110 CAF 38

Cement did Circulate

Sand
Handling
Mileage

FLOAT EQUIPMENT

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

Signature *[Handwritten Signature]*

Pumptrk Charge Surface
Mileage 67

RECEIVED
NOV 18 2010
KCC WICHITA

Tax
Discount
Total Charge

ALLIED CEMENTING CO., LLC. 039018

REMIT TO ' P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Oak Hills

KCC
NOV 17 2010
CONFIDENTIAL

DATE <u>9.24.10</u>	SEC <u>27</u>	TWP <u>3</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION <u>9:30am</u>	JOB START <u>5:30am</u>	JOB FINISH <u>6:00pm</u>
LEASE <u>unit</u>	WELL# <u>1-1</u>	LOCATION <u>Logan 6" 2W-1126</u>			COUNTY <u>Drillus</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR Discovery #1 OWNER _____

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 3830

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4" 2 DEPTH 3725

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

COPY

CEMENT AMOUNT ORDERED 245 sacks 60/40
49 sacks 114# Flocal

COMMON	<u>147</u>	@	<u>13.50</u>	<u>1984.50</u>
POZMIX	<u>98</u>	@	<u>7.50</u>	<u>739.50</u>
GEL	<u>8</u>	@	<u>20.25</u>	<u>162.00</u>
CHLORIDE		@		
ASC		@		
<u>Flocal 60#</u>		@	<u>2.40</u>	<u>144.00</u>
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>255</u>	@	<u>2.25</u>	<u>573.75</u>
MILEAGE	<u>10.5 km</u>			<u>127.50</u>
TOTAL				<u>4884.60</u>

REMARKS:

25 sacks @ 3725'
25 sacks @ 1840'
100 sacks @ 1225'
40 sacks @ 270'
10 sacks @ 40'
30 sacks RH
15 sacks MH 6:00
Job completed @ 6:00pm
Thanks Fuzz & crew

CHARGE TO: John O. Farmer

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>3725</u>	@	<u>90</u>	<u>335.25</u>
PUMP TRUCK CHARGE				<u>990</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>50</u>	@	<u>7.00</u>	<u>350.00</u>
MANIFOLD		@		
		@		
TOTAL				<u>1340.25</u>

PLUG & FLOAT EQUIPMENT

<u>1.85/2 plug</u>	@	<u>w/c</u>	
	@		
	@		
	@		
	@		
TOTAL			

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME GALEN GASCHLER

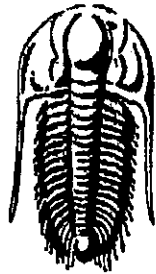
SIGNATURE Galen Gaschler

SALES TAX (if Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

RECEIVED
NOV 18 2010
KCC WICHITA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**
370 W Wichita
Russell KS 67665

ATTN: Matt Dreling/ John IV

27-3-20 Phillips,Ks

Jansonius Unit #1

Start Date: 2010.09.21 @ 21:30:31

End Date: 2010.09.22 @ 02:14:01

Job Ticket #: 39944 DST #: 1

**KCC
NOV 17 2010
CONFIDENTIAL**

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

**RECEIVED
NOV 18 2010
KCC WICHITA**

John O Farmer Inc

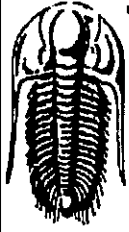
Jansonius Unit #1

27-3-20 Phillips,Ks

DST # 1

Lansing C

2010.09.21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer Inc

Jansonius Unit #1

370 W Wichita
Russell KS 67665

27-3-20 Phillips, Ks

Job Ticket: 39944

DST#: 1

ATTN: Matt Dreling/ John IV KS 67665

Test Start: 2010.09.21 @ 21:30:31

GENERAL INFORMATION:

Formation: **Lansing C**

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

Time Tool Opened: 22:52:46

Time Test Ended: 02:14:01

Test Type: **Conventional Bottom Hole**

Tester: **Paul Simpson**

Unit No: **38**

Interval: **3485.00 ft (KB) To 3510.00 ft (KB) (TVD)**

Total Depth: **3510.00 ft (KB) (TVD)**

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

Reference Elevations: **2230.00 ft (KB)**

2222.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 8354

Inside

Press@RunDepth: **19.93 psig @ 3487.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.09.21**

End Date:

2010.09.22

Last Calib.:

2010.09.22

Start Time: **21:30:32**

End Time:

02:14:01

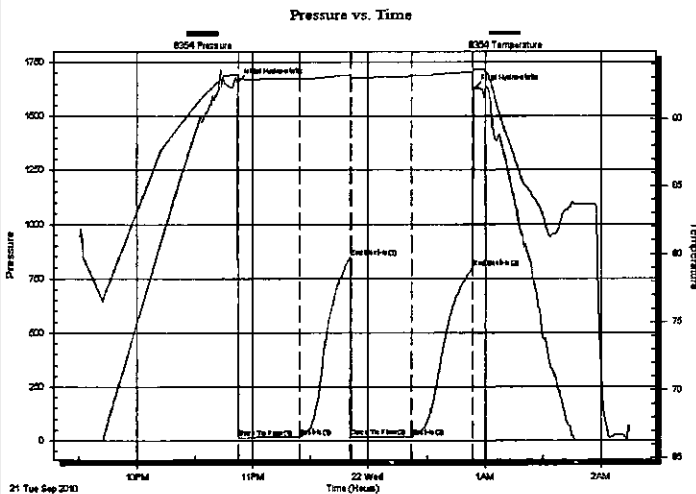
Time On Btm:

2010.09.21 @ 22:52:31

Time Off Btm:

2010.09.22 @ 00:53:46

TEST COMMENT: IF- weak blow died in 12 minutes
FF - no blow



PRESSURE SUMMARY

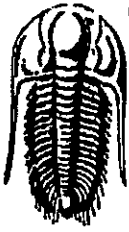
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1659.11	93.28	Initial Hydro-static
1	13.72	92.38	Open To Flow (1)
33	19.36	92.94	Shut-In(1)
59	847.00	93.20	End Shut-In(1)
59	18.25	93.00	Open To Flow (2)
90	19.93	93.14	Shut-In(2)
121	797.74	93.38	End Shut-In(2)
122	1628.05	93.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Jansonius Unit #1

370 W Wichita
Russell KS 67665

27-3-20 Phillips, Ks

Job Ticket: 39944

DST#: 1

ATTN: Matt Dreling/ John MI KS 67665

Test Start: 2010.09.21 @ 21:30:31

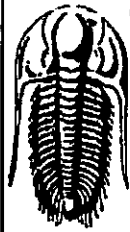
Tool Information

Drill Pipe:	Length: 3456.00 ft	Diameter: 3.80 inches	Volume: 48.48 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 46000.00 lb
			Total Volume: 48.63 bbl	Tool Chased 3.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3485.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 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			3458.00	
Shut In Tool	5.00			3463.00	
Hydraulic tool	5.00			3468.00	
Jars	5.00			3473.00	
Safety Joint	3.00			3476.00	
Packer	5.00			3481.00	28.00 Bottom Of Top Packer
Packer	4.00			3485.00	
Stubb	1.00			3486.00	
Perforations	1.00			3487.00	
Recorder	0.00	8354	Inside	3487.00	
Recorder	0.00	8520	Outside	3487.00	
Perforations	20.00			3507.00	
Bullnose	3.00			3510.00	25.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Jansonius Unit #1

370 W Wichita
Russell KS 67665

27-3-20 Phillips, Ks

Job Ticket: 39944

DST#: 1

ATTN: Matt Dreling/ John W KS 67665

Test Start: 2010.09.21 @ 21:30:31

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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 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	mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

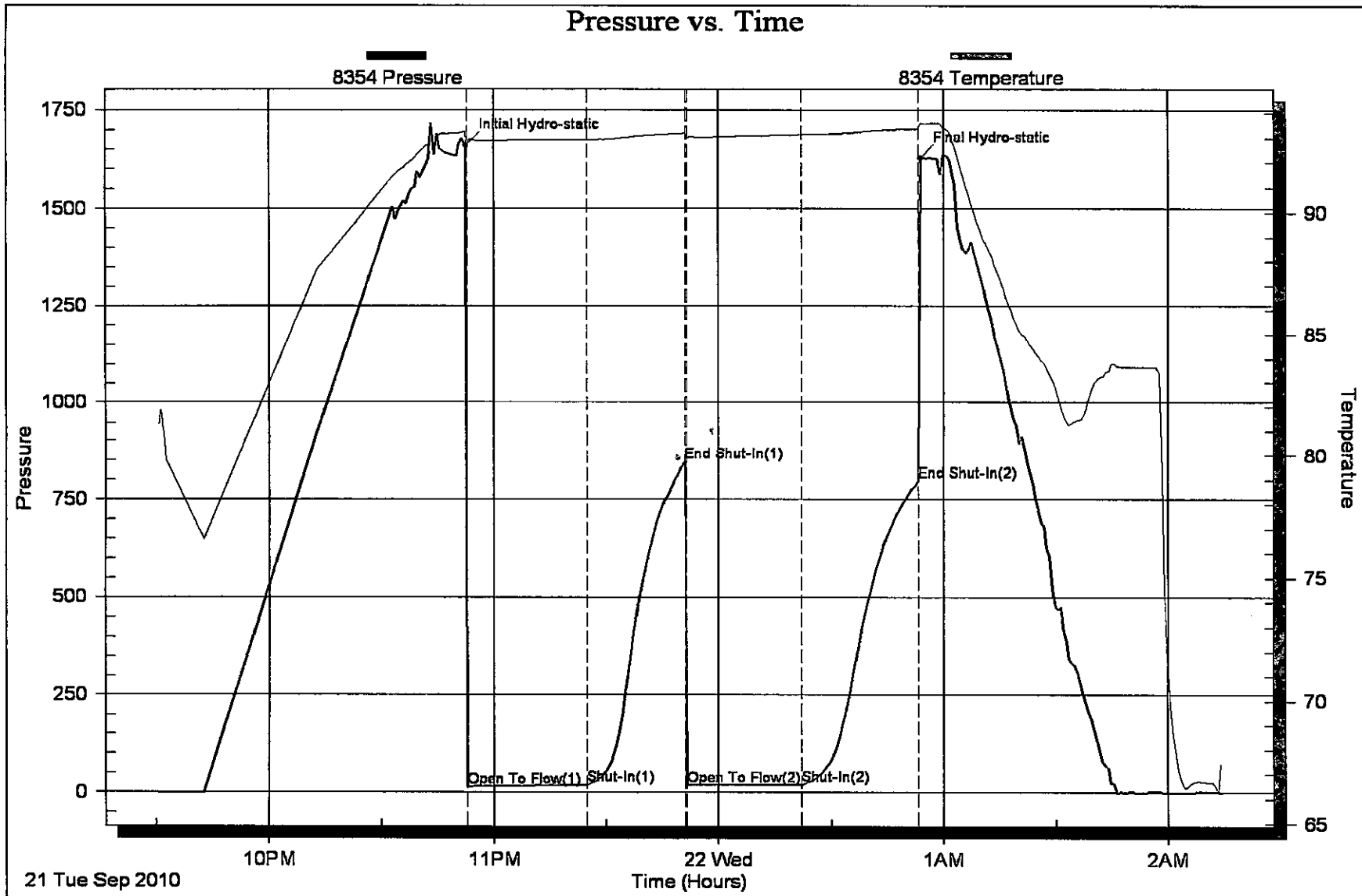
Num Gas Bombs: 0

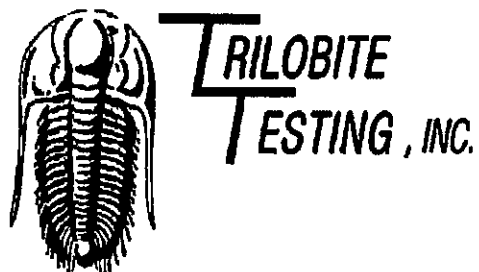
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

370 W Wichita
Russell KS 67665

ATTN: Matt Dreling/ John IV

27-3-20 Phillips, Ks

Jansonius Unit #1

Start Date: 2010.09.22 @ 08:16:49

End Date: 2010.09.22 @ 12:45:48

Job Ticket #: 39945 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

John O Farmer Inc

Jansonius Unit #1

27-3-20 Phillips, Ks

DST # 2

LKC D

2010.09.22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer Inc

Jansonius Unit #1

370 W Wichita
Russell KS 67665

27-3-20 Phillips, Ks

Job Ticket: 39945

DST#: 2

ATTN: Matt Dreling/ John IV/ KS 67665

Test Start: 2010.09.22 @ 08:16:49

GENERAL INFORMATION:

Formation: **LKC D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:31:48

Time Test Ended: 12:45:48

Test Type: Conventional Bottom Hole

Tester: Paul Simpson

Unit No: 38

Interval: **3512.00 ft (KB) To 3530.00 ft (KB) (TVD)**

Total Depth: 3530.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2230.00 ft (KB)

2222.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8520

Outside

Press@RunDepth: 24.95 psig @ 3513.00 ft (KB)

Start Date: 2010.09.22

End Date:

2010.09.22

Start Time: 08:16:49

End Time:

12:45:48

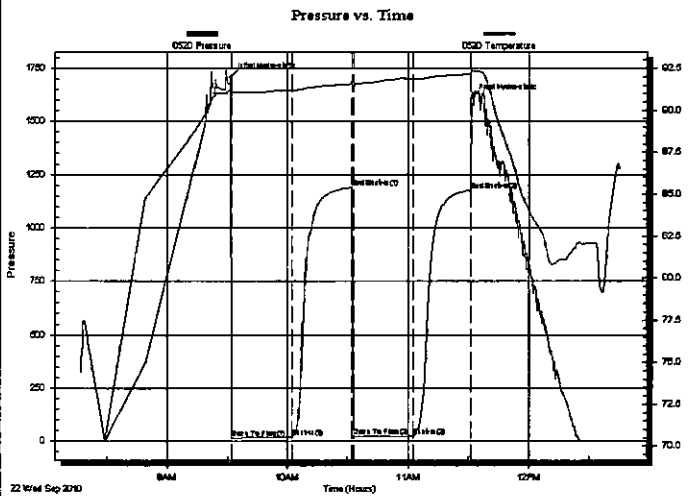
Capacity: 8000.00 psig

Last Calib.: 2010.09.22

Time On Btm: 2010.09.22 @ 09:31:33

Time Off Btm: 2010.09.22 @ 11:31:48

TEST COMMENT: IF- weak blow died in 28 minutes



PRESSURE SUMMARY

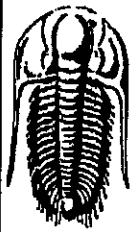
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1708.74	91.21	Initial Hydro-static
1	15.43	90.89	Open To Flow (1)
31	20.48	91.19	Shut-In(1)
61	1189.43	91.57	End Shut-In(1)
62	21.63	91.30	Open To Flow (2)
91	24.95	91.87	Shut-In(2)
120	1178.21	92.16	End Shut-In(2)
121	1610.34	92.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil specks in tool	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Jansonius Unit #1

370 W Wichita
Russell KS 67665

27-3-20 Phillips, Ks

Job Ticket: 39945

DST#: 2

ATTN: Matt Dreling/ John M KS 67665

Test Start: 2010.09.22 @ 08:16:49

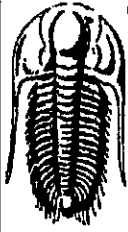
Tool Information

Drill Pipe:	Length: 3456.00 ft	Diameter: 3.80 inches	Volume: 48.48 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 54000.00 lb
			Total Volume: 48.63 bbl	Tool Chased 3.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3512.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	46.00 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			3485.00	
Shut In Tool	5.00			3490.00	
Hydraulic tool	5.00			3495.00	
Jars	5.00			3500.00	
Safety Joint	3.00			3503.00	
Packer	5.00			3508.00	28.00 Bottom Of Top Packer
Packer	4.00			3512.00	
Stubb	1.00			3513.00	
Recorder	0.00	8354	Inside	3513.00	
Recorder	0.00	8520	Outside	3513.00	
Perforations	14.00			3527.00	
Bullnose	3.00			3530.00	18.00 Bottom Packers & Anchor

Total Tool Length: 46.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Jansonius Unit #1

370 W Wichita
Russell KS 67665

27-3-20 Phillips, Ks

Job Ticket: 39945

DST#: 2

ATTN: Matt Dreling/ John MI KS 67665

Test Start: 2010.09.22 @ 08:16:49

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

Recovery Information

Recovery Table

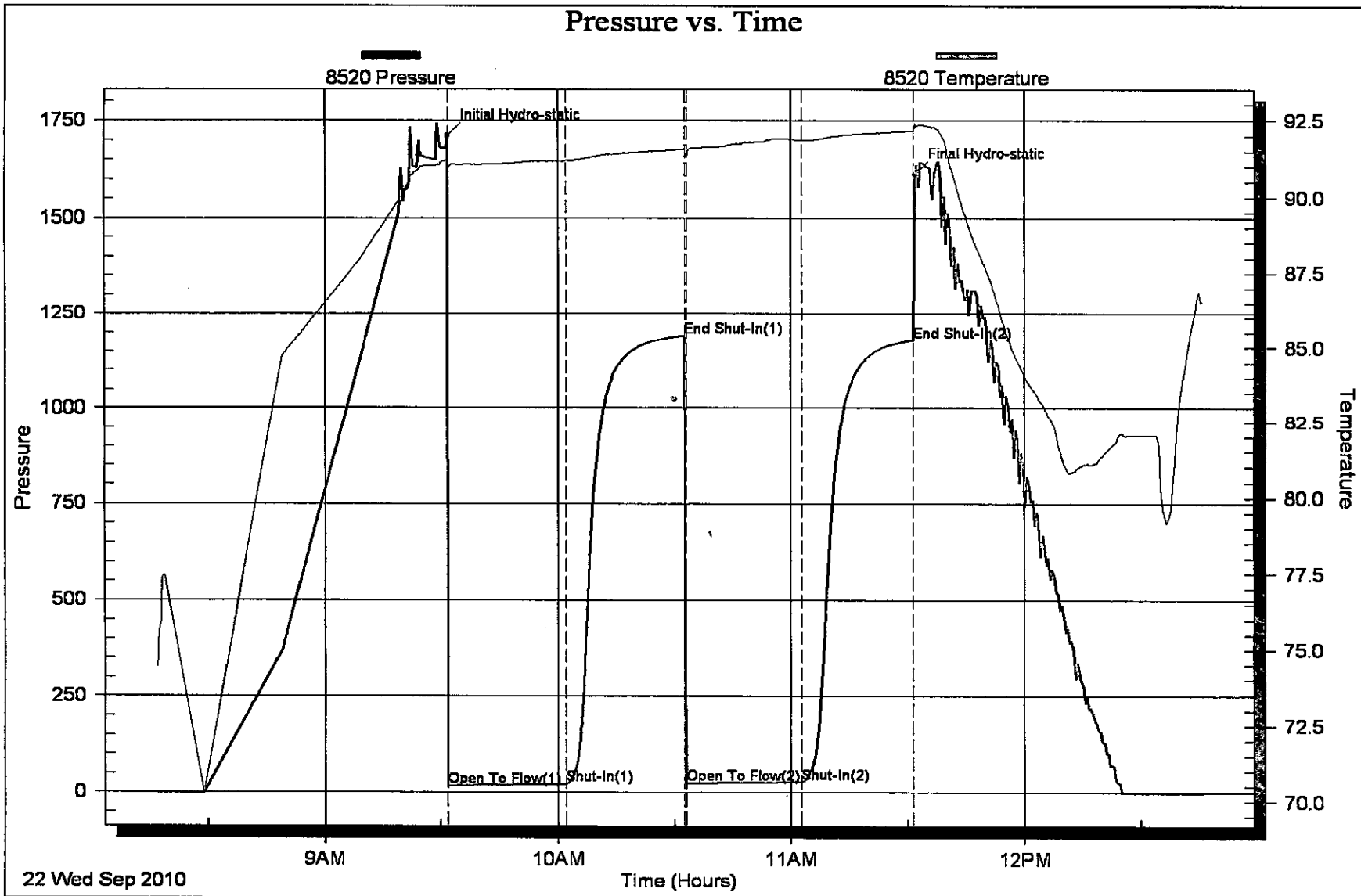
Length ft	Description	Volume bbl
5.00	mud with oil specks in tool	0.025

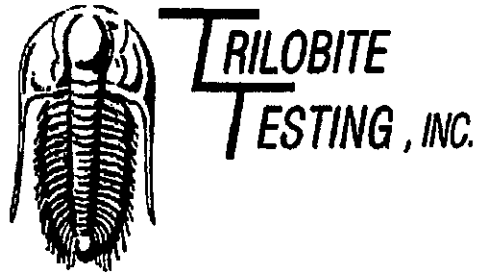
Total Length: 5.00 ft Total Volume: 0.025 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

370 W Wichita
Russell KS 67665

ATTN: Matt Dreling/ John IV

27-3-20 Phillips,Ks

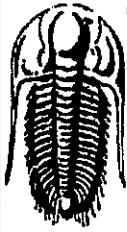
Jansonius Unit #1

Start Date: 2010.09.22 @ 18:15:33

End Date: 2010.09.22 @ 23:36:48

Job Ticket #: 39946 DST #: 3

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer Inc

Jansonius Unit #1

370 W Wichita
Russell KS 67665

27-3-20 Phillips, Ks

Job Ticket: 39946

DST#: 3

ATTN: Matt Dreling/ John M IKS 67665

Test Start: 2010.09.22 @ 18:15:33

GENERAL INFORMATION:

Formation: **Lansing F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:57:18

Time Test Ended: 23:36:48

Test Type: Conventional Bottom Hole

Tester: Paul Simpson

Unit No: 38

Interval: 3536.00 ft (KB) To 3550.00 ft (KB) (TVD)

Total Depth: 3550.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2230.00 ft (KB)

2222.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8354

Inside

Press@RunDepth: 17.23 psig @ 3537.00 ft (KB)

Start Date: 2010.09.22 End Date: 2010.09.22

Start Time: 18:15:34 End Time: 23:36:48

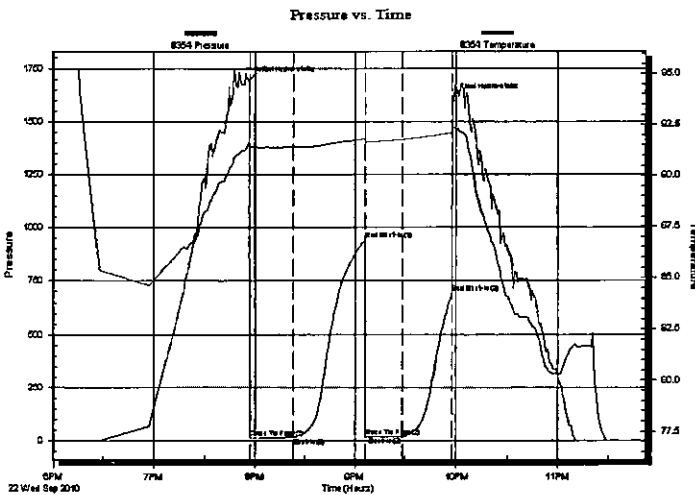
Capacity: 8000.00 psig

Last Calib.: 2010.09.22

Time On Btm: 2010.09.22 @ 19:56:48

Time Off Btm: 2010.09.22 @ 21:58:03

TEST COMMENT: IF- weak blow died in 5 minutes
FF- no blow
tool slid 3' before opening



PRESSURE SUMMARY

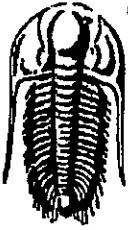
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1693.46	91.66	Initial Hydro-static
1	14.04	91.24	Open To Flow (1)
27	16.21	91.41	Shut-In(1)
70	941.03	91.80	End Shut-In(1)
70	17.61	91.63	Open To Flow (2)
92	17.23	91.77	Shut-In(2)
121	693.04	92.10	End Shut-In(2)
122	1612.29	92.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	sl oilcut mud	0.01
0.00	good show of free oil in tool	0.00

Gas Rates

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



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TOOL DIAGRAM

John O Farmer Inc

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370 W Wichita
Russell KS 67665

27-3-20 Phillips, Ks

Job Ticket: 39946

DST#: 3

ATTN: Matt Dreling/ John MI KS 67665

Test Start: 2010.09.22 @ 18:15:33

Tool Information

Drill Pipe:	Length: 3489.00 ft	Diameter: 3.80 inches	Volume: 48.94 bbl	Tool Weight: 3000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 49.09 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3536.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3509.00	
Shut In Tool	5.00			3514.00	
Hydraulic tool	5.00			3519.00	
Jars	5.00			3524.00	
Safety Joint	3.00			3527.00	
Packer	5.00			3532.00	28.00 Bottom Of Top Packer
Packer	4.00			3536.00	
Stubb	1.00			3537.00	
Recorder	0.00	8354	Inside	3537.00	
Recorder	0.00	8520	Outside	3537.00	
Perforations	10.00			3547.00	
Bullnose	3.00			3550.00	14.00 Bottom Packers & Anchor

Total Tool Length: 42.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

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370 W Wichita
Russell KS 67665

27-3-20 Phillips, Ks

Job Ticket: 39946

DST#: 3

ATTN: Matt Dreiling/ John M KS 67665

Test Start: 2010.09.22 @ 18:15:33

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 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
2.00	sl oilcut mud	0.010
0.00	good show of free oil in tool	0.000

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

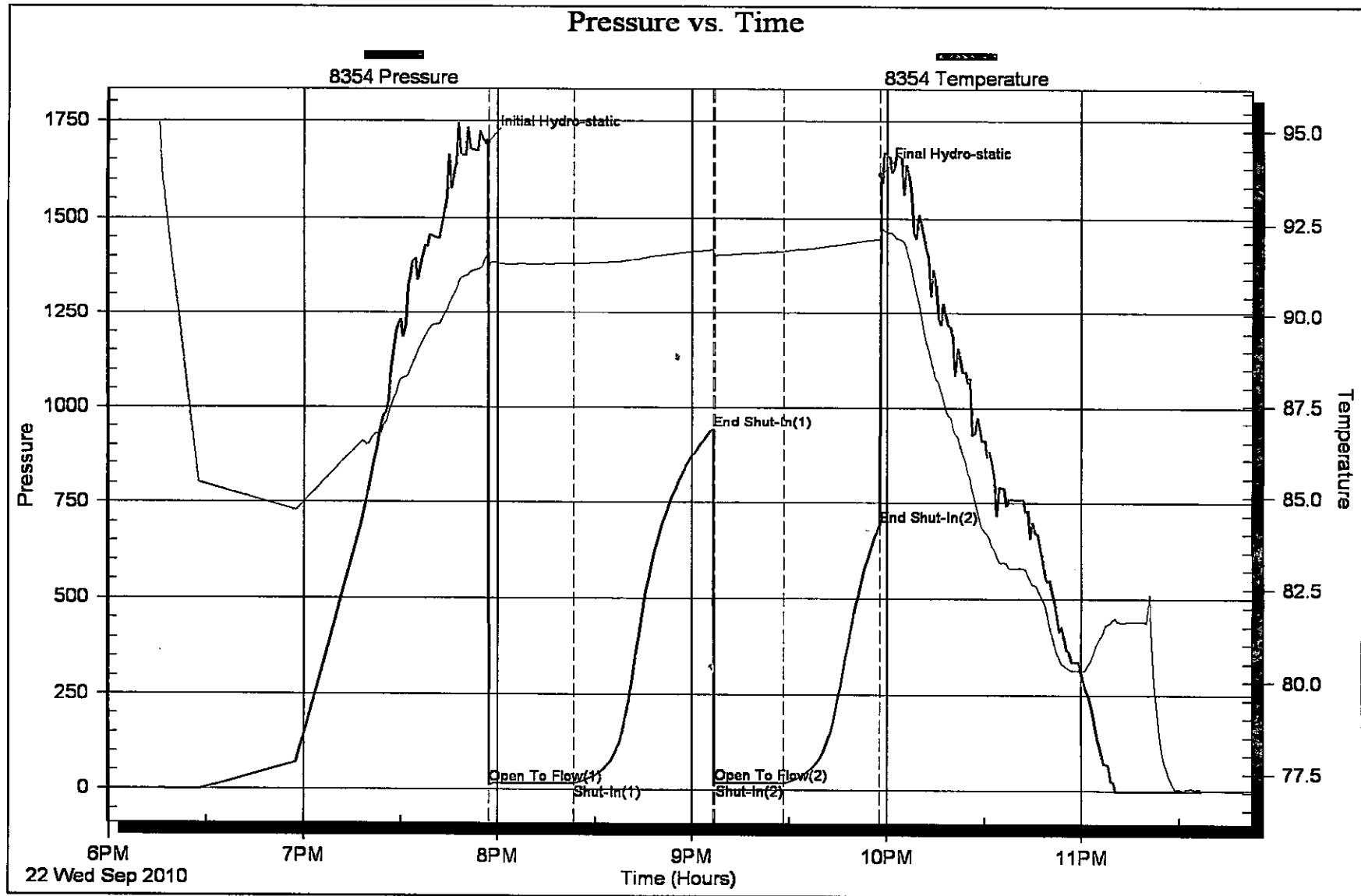
Num Gas Bombs: 0

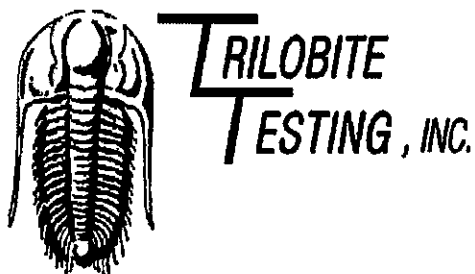
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

370 W Wichita
Russell KS 67665

ATTN: Matt Dreling/ John IV

27-3-20 Phillips,Ks

Jansonius Unit #1

Start Date: 2010.09.23 @ 13:30:13

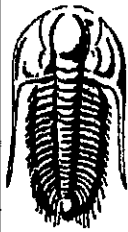
End Date: 2010.09.23 @ 18:28:13

Job Ticket #: 039947 DST #: 4

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John O Farmer Inc

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27-3-20 Phillips, Ks

Job Ticket: 039947

DST#: 4

ATTN: Matt Dreiling/ John M IKS 67665

Test Start: 2010.09.23 @ 13:30:13

GENERAL INFORMATION:

Formation: I-J-K-L L

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:02:43

Time Test Ended: 18:28:13

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: 3610.00 ft (KB) To 3670.00 ft (KB) (TVD)

Reference Elevations: 2230.00 ft (KB)

Total Depth: 3670.00 ft (KB) (TVD)

2222.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8354

Inside

Press@RunDepth: 30.90 psig @ 3613.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.09.23

End Date: 2010.09.23

Last Calib.: 2010.09.23

Start Time: 13:30:14

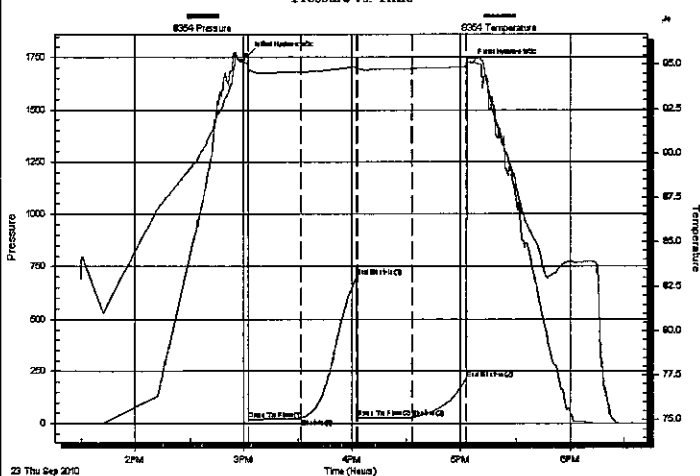
End Time: 18:28:13

Time On Btm: 2010.09.23 @ 15:02:28

Time Off Btm: 2010.09.23 @ 17:05:28

TEST COMMENT: IF; weak died in 7 min
FF: no blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1761.01	95.08	Initial Hydro-static
1	18.57	94.41	Open To Flow (1)
30	25.88	94.60	Shut-In(1)
60	703.15	94.87	End Shut-In(1)
61	27.73	94.74	Open To Flow (2)
91	30.90	94.77	Shut-In(2)
121	213.75	94.88	End Shut-In(2)
123	1725.46	95.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.05
3.00	CO	0.01

Gas Rates

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



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TOOL DIAGRAM

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370 W Wichita
Russell KS 67665

27-3-20 Phillips, Ks

Job Ticket: 039947

DST#: 4

ATTN: Matt Dreling/ John MI KS 67665

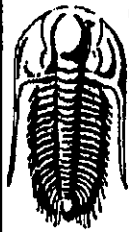
Test Start: 2010.09.23 @ 13:30:13

Tool Information

Drill Pipe:	Length: 3580.00 ft	Diameter: 3.80 inches	Volume: 50.22 bbl	Tool Weight: 3000.00 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 50.37 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3610.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	88.00 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			3583.00	
Shut In Tool	5.00			3588.00	
Hydraulic tool	5.00			3593.00	
Jars	5.00			3598.00	
Safety Joint	3.00			3601.00	
Packer	5.00			3606.00	28.00 Bottom Of Top Packer
Packer	4.00			3610.00	
Stubb	1.00			3611.00	
Perforations	1.00			3612.00	
Change Over Sub	1.00			3613.00	
Recorder	0.00	8354	Inside	3613.00	
Recorder	0.00	8520	Outside	3613.00	
Drill Pipe	31.00			3644.00	
Change Over Sub	1.00			3645.00	
Perforations	22.00			3667.00	
Bullnose	3.00			3670.00	60.00 Bottom Packers & Anchor
Total Tool Length:	88.00				



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Job Ticket: 039947

DST#: 4

ATTN: Matt Dreling/ John M/ KS 67665

Test Start: 2010.09.23 @ 13:30:13

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.049
3.00	CO	0.015

Total Length: 13.00 ft

Total Volume: 0.064 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:..

