

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

5/4/12

Operator: License # 5135
Name: John O. Farmer, Inc.
Address: P.O. Box 352
City/State/Zip: Russell, KS 67665
Purchaser: _____
Operator Contact Person: Marge Schulte
Phone: (785) 483-3145, Ext. 214
Contractor: Name: Discovery Drilling Company, Inc.
License: 31548
Wellsite Geologist: Randall Kilian

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to Enhr./SWD

Plug Back Plug Back Total Depth

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Enhr.?) Docket No. _____

<u>4-1-10</u>	<u>4-7-10</u>	
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 163-23,861-00-00

County: Rooks

NE SE NW NE Sec. 2 Twp. 8 S. R. 17 East West

860 feet from S / (circle one) N Line of Section

1490 feet from (circle one) E / W Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: Chesney "A" Well #: 1

Field Name: (wildcat)

Producing Formation: _____

Elevation: Ground: 1943' Kelly Bushing: 1951'

Total Depth: 3400' Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at 221 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan PA-NJ 5-10-10
(Data must be collected from the Reserve Pit)

Chloride content 16,000 ppm Fluid volume 320 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License No.: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: John O. Farmer III

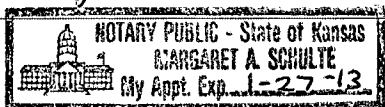
Title: President Date: 5-4-10

Subscribed and sworn to before me this 4th day of May

20 10

Notary Public: Margaret A. Schulte

Date Commission Expires: _____



KCC Office Use ONLY

Letter of Confidentiality Received
If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

RECEIVED
KANSAS CORPORATION COMMISSION
MAY 05 2010

CONSERVATION DIVISION
WICHITA, KS

Operator Name: John O. Farmer, Inc. Lease Name: Chesney "A" Well #: 1
 Sec. 2 Twp. 8 S. R. 17 East West County: Rooks

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:

Micro-Resistivity Log, Array Induction Shallow
 Focussed Log, Compact Photo Density/Compensated
 Neutron/Micro-Resistivity Log

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Anhydrite	1291'	(+660)
Base/Anhydrite	1327'	(+624)
Topeka	2806'	(-855)
Heebner Shale	3018'	(-1067)
Toronto	3040'	(-1089)
Lansing	3060'	(-1109)
Base/KC	3302'	(-1351)
Arbuckle	3370'	(-1419)

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'	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	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
				Depth

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

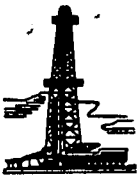
Date of First, Resumerd Production, SWD or Enhr.	Producing Method
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

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

Production Interval Other (Specify) _____



Discovery Drilling

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

DRILLER'S LOG

Operator: John O. Farmer, Inc. LIC# 5135
PO Box 352
Russell, KS 67665

Contractor: Discovery Drilling Co., Inc. LIC#31548
PO Box 763
Hays, KS 67601

Lease: Chesney "A" #1

Location: 130' N & 160' E of SE / NW / NE
Sec. 2 / 8S / 17W
Rooks Co., KS

Loggers Total Depth: 3402'
Rotary Total Depth: 3400'
Commenced: 4/1/2010
Casing: 8 5/8" @ 220.95' w / 150 sks

API#15- 163-23, 861-00-00
Elevation: 1943' GL / 1951' KB
Completed: 4/7/2010
Status: D & A

DEPTHS & FORMATIONS (All from KB)

Surface, Sand & Shale	0'	Shale	1047'
Dakota Sand	631'	Shale & Lime	1760'
Shale	702'	Shale	2014'
Cedar Hill Sand	797'	Shale & Lime	2459'
Red Bed Shale	989'	Lime & Shale	2989'
Anhydrite	1013'	RTD	3400'
Base Anhydrite	1047'		

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.

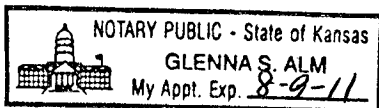

Thomas H. Alm

Subscribed and sworn to before me on 4-9-10

My Commission expires: 8-9-11

(Place stamp or seal below)


Notary Public



KCC
MAY 04 2010
CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 05 2010

CONSERVATION DIVISION
WICHITA, KS

QUALITY OILWELL CEMENTING, INC.

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

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

No. 8939

COPY

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-1-10	2	8	17	Roos	Kansas		12:15pm
Lease Chesney A	Well No.	1		Location Plainville SW 9W 2E 2N 4W Sinto			
Contractor Discovery Drilling Rig 1				Owner			
Type Job Surface				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.			
Hole Size 12 1/4		T.D. 221		Charge To J. O. Farmer			
Csg. 8 3/8 2316		Depth 221		Street			
Tbg. Size		Depth		City State			
Tool		Depth		City State			
Cement Left in Csg. 10-15		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace 134 Bbl		Cement Amount Ordered 150 Com 3000 2 1/2			

EQUIPMENT

Pumptrk 9	No.	Cementer	Helper	Common
Bulktrk 11	No.	Driver	Driver	Poz. Mix
Bulktrk	No.	Driver	Driver	Gel.

JOB SERVICES & REMARKS

Remarks:	Hulls	KCC MAY 04 2010 CONFIDENTIAL
Rat Hole	Salt	
Mouse Hole	Flowseal	
Centralizers	Kol-Seal	
Baskets	Mud CLR 48	
D/V or Port Collar	CFL-117 or CD110 CAF 38	
Cement and Curator	Sand	
	Handling	
	Mileage	

FLOAT EQUIPMENT

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

Surface
Pumptrk Charge
Mileage

Signature *[Handwritten Signature]*

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KANSAS CORPORATION COMMISSION

MAY 05 2010

CONSERVATION DIVISION
WICHITA, KS

Tax
Discount
Total Charge

QUALITY OILWELL CEMENTING, INC.

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

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

COPY No. 3895

Date	4/7/10	Sec.	2	Twp.	5	Range	17	County	Rooks	State	KS	On Location	<input checked="" type="checkbox"/>	Finish	4:15 PM	
Lease	Cherney A		Well No.	1		Location Plainville, SE 1/4 N, 2E, 2N, 1/2 W, 5 into										
Contractor	Discovery Drilling Rig #1							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	Plug		T.D.		3100		Charge To Farmer, John O. Inc									
Hole Size	7 7/8"		Depth													
Csg.			Depth		Street											
Tbg. Size			Depth		City State											
Tool			Depth		The above was done to satisfaction and supervision of owner agent or contractor.											
Cement Left in Csg.			Shoe Joint		Cement Amount Ordered											
Meas Line			Displace		2455x 60/40 4% gel											

EQUIPMENT

Pumptrk	1	No.	Cementer	Paul	Common
			Helper		
Bulktrk	11	No.	Driver	Brandon	Poz. Mix
			Driver		
Bulktrk	PV	No.	Driver	Rocky	Gel.
			Driver		

JOB SERVICES & REMARKS

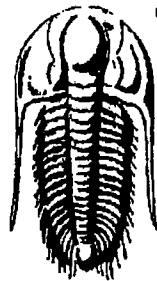
Remarks:	Hulls	KCC
Rat Hole 30 rx	Salt	MAY 04 2010
Mouse Hole 15 rx	Flowseal	CONFIDENTIAL
Centralizers	Kol-Seal	
Baskets	Mud CLR 48	
D/V or Port Collar	CFL-117 or CD110 CAF 38	
3350' - 25 rx	Sand	
1300' - 25 rx	Handling	
720' - 100 rx	Mileage	
320' - 40 rx	FLOAT EQUIPMENT	
40' - 10 rx	Guide Shoe	
	Centralizer	
	Baskets	
	AFU Inserts	
	Float Shoe	
	Latch Down	6 1/8" Plug Hole Plug
	Pumptrk Charge	
	Mileage	

Thank You!!

X Signature *[Handwritten Signature]*

RECEIVED
KANSAS CORPORATION COMMISSION
MAY 05 2010
Tax
Discount
Total Charge

CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665

ATTN: Matt Dreiling

2817 Rooks KS

Chesney A-1

Start Date: 2010.04.04 @ 13:38:27

End Date: 2010.04.04 @ 17:58:12

Job Ticket #: 38179 DST #: 1

**KCC
MAY 04 2010
CONFIDENTIAL**

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 05 2010

CONSERVATION DIVISION
WICHITA, KS

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

John O Farmer Inc

Chesney A-1

2817 Rooks KS

DST # 1

Topeka

2010.04.04



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

John O Farmer Inc

Chesney A-1

PO Box 352
Russell KS 67665

2 8 17 Rooks KS

ATTN: Matt Dreiling

Job Ticket: 38179

DST#: 1

Test Start: 2010.04.04 @ 13:38:27

GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:10:27

Time Test Ended: 17:58:12

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **2813.00 ft (KB) To 2845.00 ft (KB) (TVD)**

Total Depth: 2845.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1951.00 ft (KB)

1943.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8354

Inside

Press@RunDepth: 23.04 psig @ 2814.00 ft (KB)

Start Date: 2010.04.04

End Date:

2010.04.04

Capacity: 8000.00 psig

Last Calib.: 2010.04.04

Start Time: 13:38:28

End Time:

17:58:12

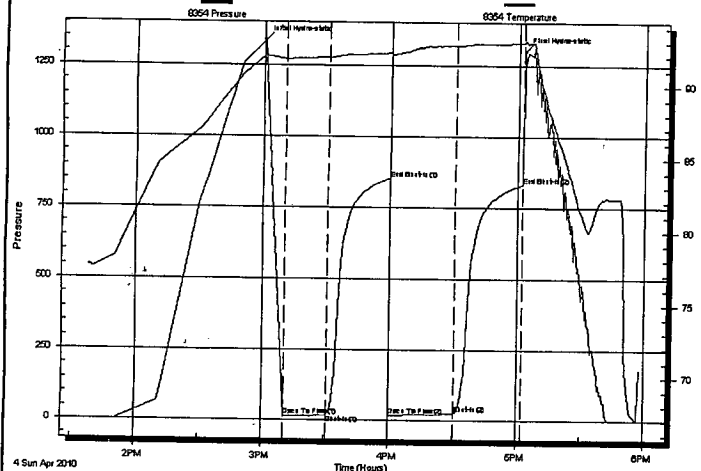
Time On Btm: 2010.04.04 @ 15:00:27

Time Off Btm: 2010.04.04 @ 17:02:57

TEST COMMENT: IF-Weak died in 10 min

FF-No blow

Pressure vs. Time



PRESSURE SUMMARY

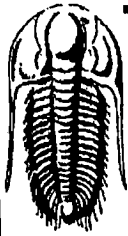
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1336.71	92.09	Initial Hydro-static
10	12.99	91.81	Open To Flow (1)
31	16.59	91.97	Shut-In(1)
60	851.12	92.28	End Shut-In(1)
60	17.50	92.01	Open To Flow (2)
91	23.04	92.76	Shut-In(2)
122	831.17	92.98	End Shut-In(2)
123	1300.19	93.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drig 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

Chesney A-1

PO Box 352
Russell KS 67665

2 8 17 Rooks KS

Job Ticket: 38179

DST#: 1

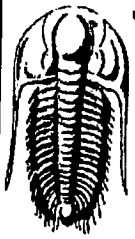
ATTN: Matt Dreiling

Test Start: 2010.04.04 @ 13:38:27

Tool Information

Drill Pipe:	Length: 2766.00 ft	Diameter: 3.80 inches	Volume: 38.80 bbl	Tool Weight:	2000.00 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:	50000.00 lb
			<u>Total Volume: 38.95 bbl</u>	Tool Chased	4.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	2813.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	52.00 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			2794.00	
Shut In Tool	5.00			2799.00	
Hydraulic tool	5.00			2804.00	
Packer	5.00			2809.00	20.00 Bottom Of Top Packer
Packer	4.00			2813.00	
Stubb	1.00			2814.00	
Recorder	0.00	8354	Inside	2814.00	
Recorder	0.00	8520	Outside	2814.00	
Perforations	28.00			2842.00	
Bullnose	3.00			2845.00	32.00 Bottom Packers & Anchor
Total Tool Length:	52.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Chesney A-1

PO Box 352
Russell KS 67665

2 8 17 Rooks KS

Job Ticket: 38179

DST#: 1

ATTN: Matt Dreiling

Test Start: 2010.04.04 @ 13:38:27

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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drig Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

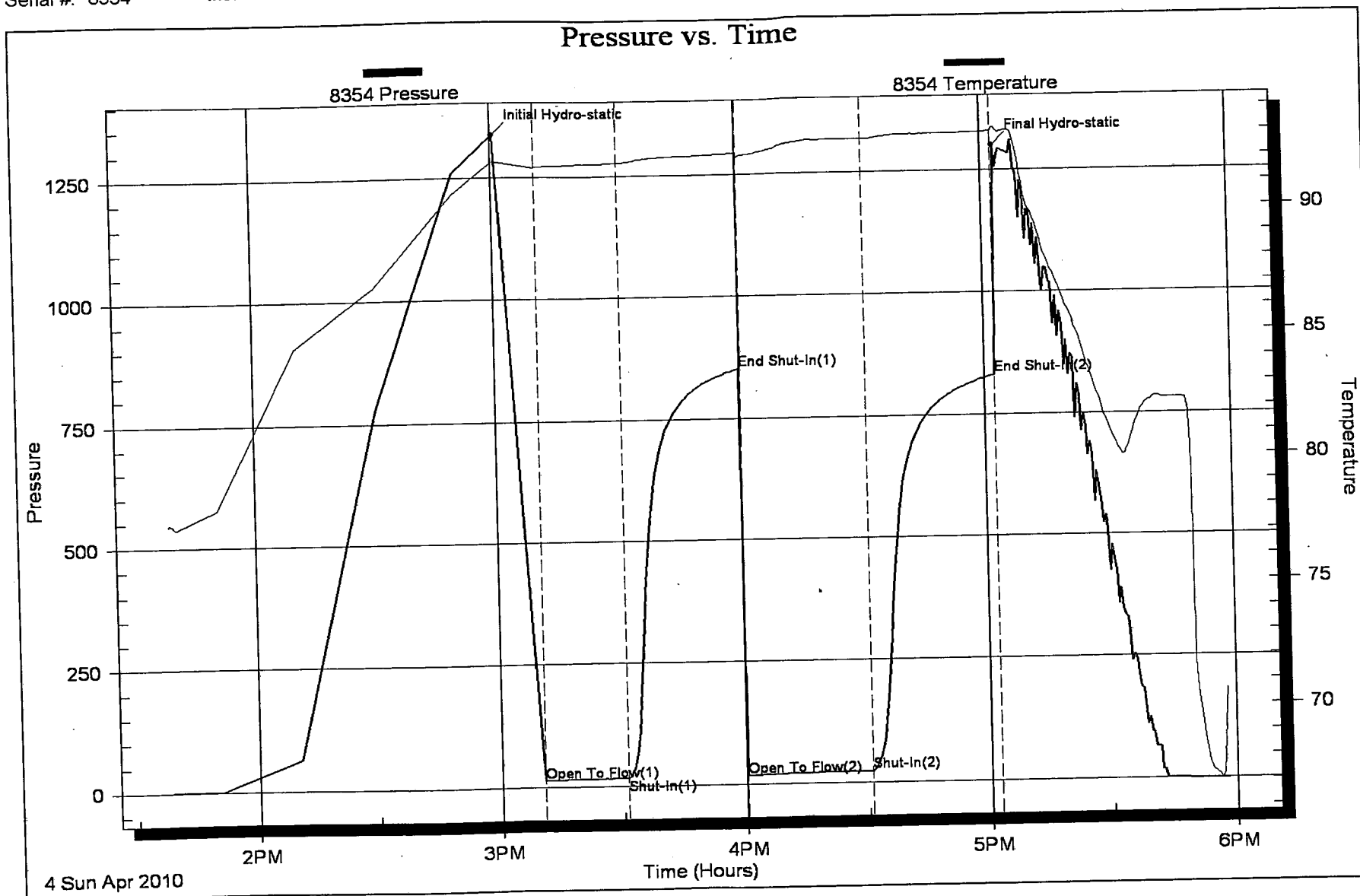
Num Gas Bombs: 0

Serial #:

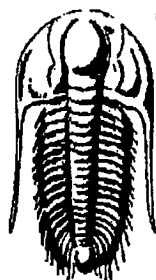
Laboratory Name:

Laboratory Location:

Recovery Comments:



4 Sun Apr 2010



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665

ATTN: Matt Dreiling

2 8 17 Rooks KS

Chesney A-1

Start Date: 2010.04.05 @ 13:33:37

End Date: 2010.04.05 @ 18:07:52

Job Ticket #: 38180 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

John O Farmer Inc

Chesney A-1

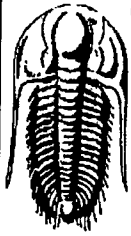
2 8 17 Rooks KS

DST # 2

Tor/F

LK

2010.04.05



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer Inc

Chesney A-1

PO Box 352
Russell KS 67665

2 8 17 Rooks KS

Job Ticket: 38180

DST#: 2

ATTN: Matt Dreiling

Test Start: 2010.04.05 @ 13:33:37

GENERAL INFORMATION:

Formation: **Tor F LK**

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

Time Tool Opened: 14:59:22

Time Test Ended: 18:07:52

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **38**

Interval: **3011.00 ft (KB) To 3150.00 ft (KB) (TVD)**

Total Depth: **3150.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1951.00 ft (KB)**

1943.00 ft (CF)

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

Serial #: 8354

Inside

Press@RunDepth: **41.72 psig @ 3015.00 ft (KB)**

Start Date: **2010.04.05**

End Date:

2010.04.05

Start Time: **13:33:38**

End Time:

18:07:52

Capacity: **8000.00 psig**

Last Calib.: **2010.04.05**

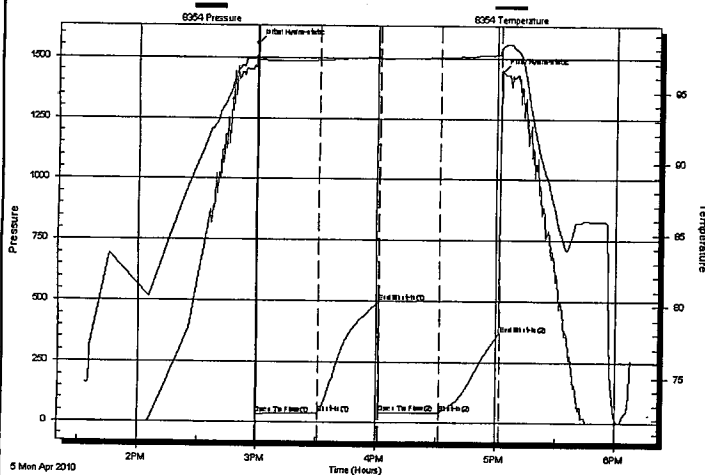
Time On Btm: **2010.04.05 @ 14:59:07**

Time Off Btm: **2010.04.05 @ 17:02:22**

TEST COMMENT: **IF-Weak steady surface blow**

FF-No blow

Pressure vs. Time



PRESSURE SUMMARY

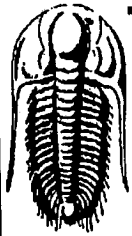
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1555.63	97.52	Initial Hydro-static
1	33.34	97.05	Open To Flow (1)
32	38.27	97.22	Shut-In(1)
62	496.34	97.47	End Shut-In(1)
62	39.51	97.22	Open To Flow (2)
92	41.72	97.45	Shut-In(2)
123	368.58	97.65	End Shut-In(2)
124	1443.26	98.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	Mud w / oil spots on top	0.50

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Chesney A-1

PO Box 352
Russell KS 67665

2 8 17 Rooks KS

Job Ticket: 38180

DST#: 2

ATTN: Matt Dreiling

Test Start: 2010.04.05 @ 13:33:37

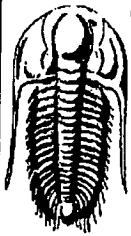
Tool Information

Drill Pipe:	Length: 2984.00 ft	Diameter: 3.80 inches	Volume: 41.86 bbl	Tool Weight: 2000.00 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: 80000.00 lb
			<u>Total Volume: 42.01 bbl</u>	Tool Chased 18.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3011.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	139.00 ft			
Tool Length:	159.00 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			2992.00	
Shut In Tool	5.00			2997.00	
Hydraulic tool	5.00			3002.00	
Packer	5.00			3007.00	20.00 Bottom Of Top Packer
Packer	4.00			3011.00	
Stubb	1.00			3012.00	
Perforations	2.00			3014.00	
Change Over Sub	1.00			3015.00	
Recorder	0.00	8354	Inside	3015.00	
Recorder	0.00	8520	Outside	3015.00	
Drill Pipe	126.00			3141.00	
Change Over Sub	1.00			3142.00	
Perforations	5.00			3147.00	
Bullnose	3.00			3150.00	139.00 Bottom Packers & Anchor

Total Tool Length: 159.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Chesney A-1

PO Box 352
Russell KS 67665

2 8 17 Rooks KS

Job Ticket: 38180

DST#: 2

ATTN: Matt Dreiling

Test Start: 2010.04.05 @ 13:33:37

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:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
55.00	Mud w / oil spots on top	0.498

Total Length: 55.00 ft

Total Volume: 0.498 bbl

Num Fluid Samples: 0

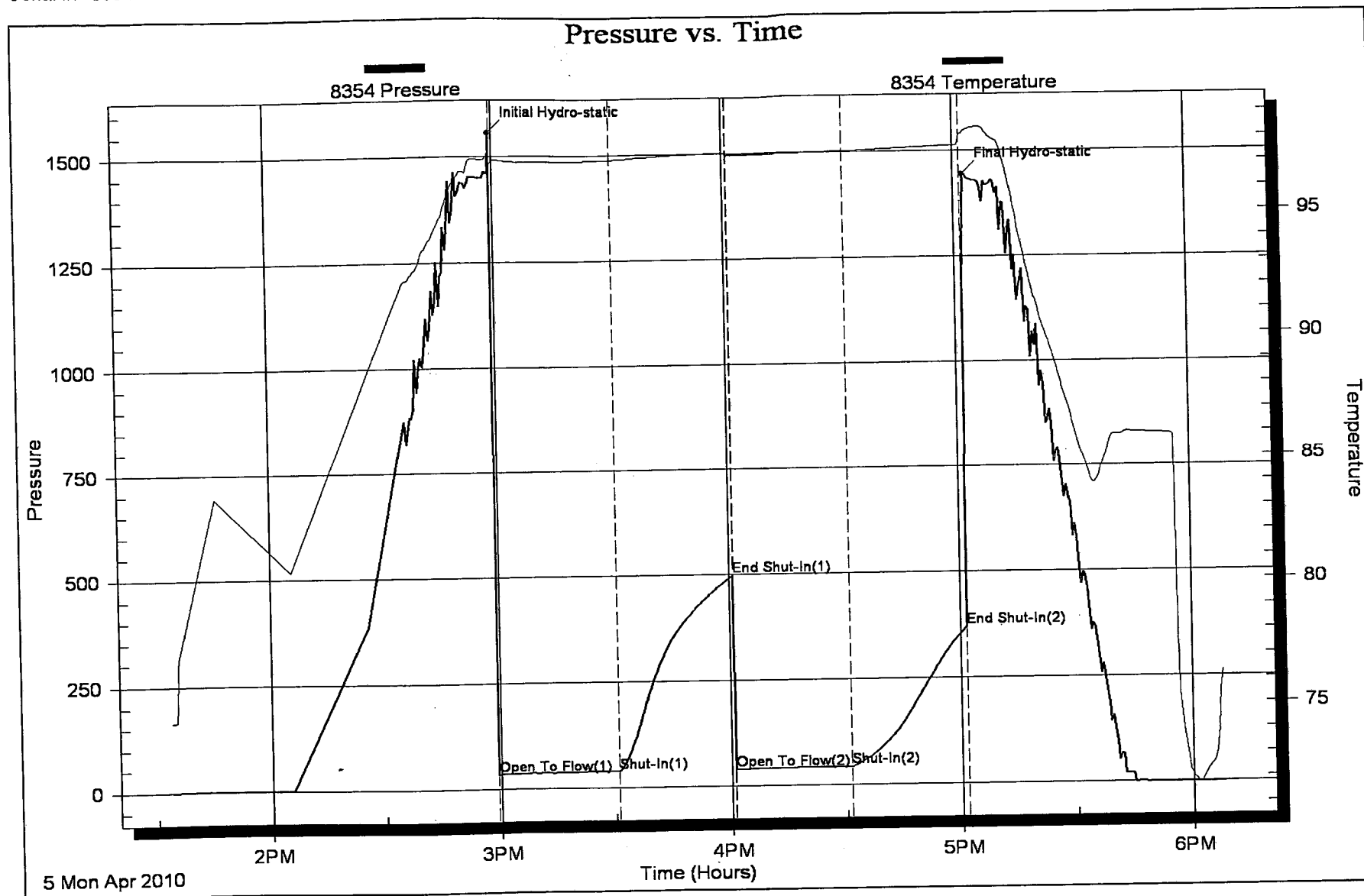
Num Gas Bombs: 0

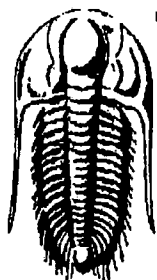
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665

ATTN: Matt Dreiling

2 8 17 Rooks KS

Chesney A-1

Start Date: 2010.04.06 @ 00:07:41

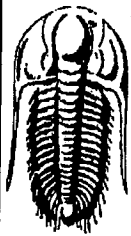
End Date: 2010.04.06 @ 05:26:26

Job Ticket #: 38181 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

Chesney A-1

PO Box 352
Russell KS 67665

2 8 17 Rooks KS

Job Ticket: 38181

DST#: 3

ATTN: Matt Dreiling

Test Start: 2010.04.06 @ 00:07:41

GENERAL INFORMATION:

Formation: **G LKC**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 01:58:41
 Time Test Ended: 05:26:26

Test Type: **Conventional Bottom Hole**
 Tester: **Dan Bangle**
 Unit No: **38**

Interval: **3157.00 ft (KB) To 3170.00 ft (KB) (TVD)**
 Total Depth: **3170.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1951.00 ft (KB)**
1943.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 8354

Inside

Press@RunDepth: **30.98 psig @ 3158.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.04.06**

End Date:

2010.04.06

Last Calib.: **2010.04.06**

Start Time: **00:07:42**

End Time:

05:26:26

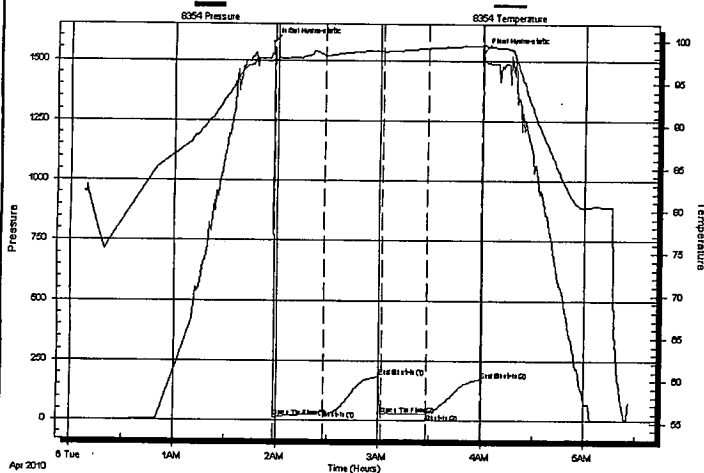
Time On Btm: **2010.04.06 @ 01:57:26**

Time Off Btm: **2010.04.06 @ 04:00:11**

TEST COMMENT: **IF-Weak steady surface blow**

FF-WEak steady surface blow

Pressure vs. Time



PRESSURE SUMMARY

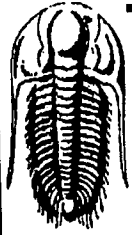
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1572.73	97.78	Initial Hydro-static
2	12.57	97.62	Open To Flow (1)
31	39.30	98.28	Shut-In(1)
63	183.64	98.86	End Shut-In(1)
64	25.75	98.75	Open To Flow (2)
91	30.98	99.09	Shut-In(2)
122	173.79	99.43	End Shut-In(2)
123	1533.55	99.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Silty OCM 3%o 97%m	0.36

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Chesney A-1

PO Box 352
Russell KS 67665

2 8 17 Rooks KS

Job Ticket: 38181

DST#: 3

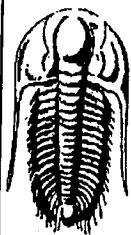
ATTN: Matt Dreiling

Test Start: 2010.04.06 @ 00:07:41

Tool Information

Drill Pipe:	Length: 3110.00 ft	Diameter: 3.80 inches	Volume: 43.63 bbl	Tool Weight:	2000.00 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:	50000.00 lb
			<u>Total Volume: 43.78 bbl</u>	Tool Chased:	0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3157.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	13.00 ft				
Tool Length:	33.00 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			3138.00	
Shut In Tool	5.00			3143.00	
Hydraulic tool	5.00			3148.00	
Packer	5.00			3153.00	20.00 Bottom Of Top Packer
Packer	4.00			3157.00	
Stubb	1.00			3158.00	
Recorder	0.00	8354	Inside	3158.00	
Recorder	0.00	8520	Outside	3158.00	
Perforations	9.00			3167.00	
Bullnose	3.00			3170.00	13.00 Bottom Packers & Anchor
Total Tool Length:	33.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Chesney A-1

PO Box 352
Russell KS 67665

2 8 17 Rooks KS

Job Ticket: 38181

DST#: 3

ATTN: Matt Dreiling

Test Start: 2010.04.06 @ 00:07:41

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 1500.00 ppm

Filter Cake: 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
45.00	Silty OCM 3%o 97%m	0.358

Total Length: 45.00 ft Total Volume: 0.358 bbl

Num Fluid Samples: 0

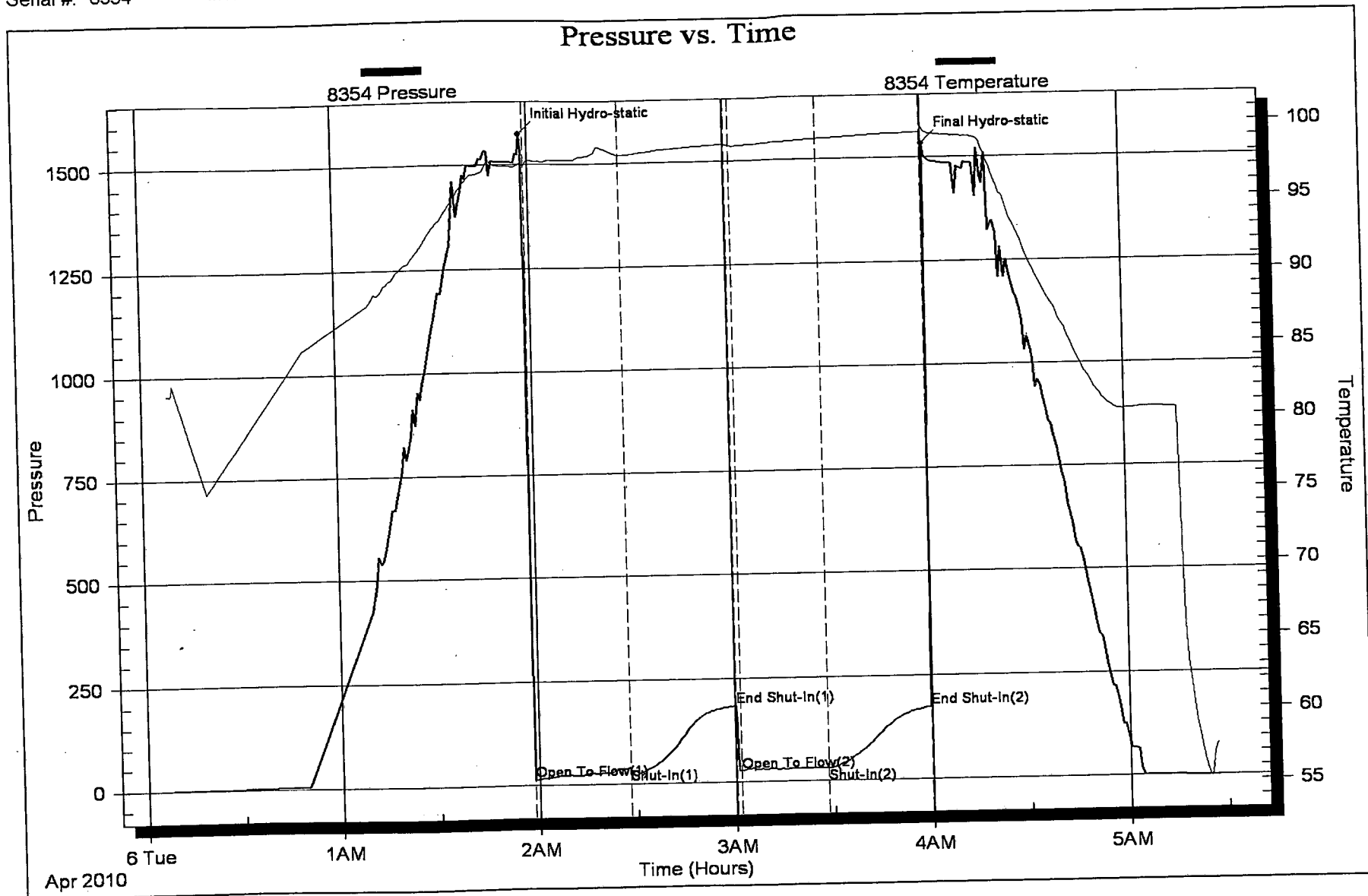
Num Gas Bombs: 0

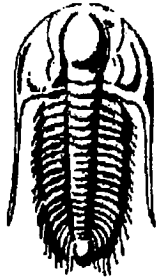
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665

ATTN: Matt Dreiling

2817 Rooks KS

Chesney A-1

Start Date: 2010.04.06 @ 15:15:36

End Date: 2010.04.06 @ 19:36:36

Job Ticket #: 38182 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

John O Farmer Inc

Chesney A-1

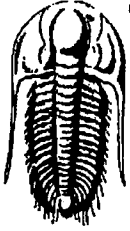
2817 Rooks KS

DST # 4

LJ

LKC

2010.04.06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

John O Farmer Inc

PO Box 352
Russell KS 67665

ATTN: Matt Dreiling

Chesney A-1

2 8 17 Rooks KS

Job Ticket: 38182

DST#: 4

Test Start: 2010.04.06 @ 15:15:36

GENERAL INFORMATION:

Formation: **I-J LKC**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 16:27:36
 Time Test Ended: 19:36:36

Test Type: **Conventional Bottom Hole**
 Tester: **Dan Bangle**
 Unit No: **38**

Interval: **3205.00 ft (KB) To 3280.00 ft (KB) (TVD)**
 Total Depth: **3280.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1951.00 ft (KB)**
1943.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 8354

Inside

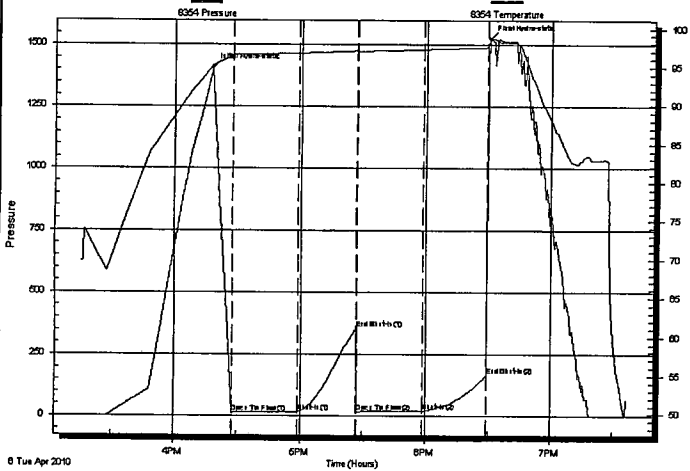
Press@RunDepth: **19.72 psig @ 3208.00 ft (KB)**
 Start Date: **2010.04.06** End Date: **2010.04.06**
 Start Time: **15:15:37** End Time: **19:36:36**

Capacity: **8000.00 psig**
 Last Calib.: **2010.04.06**
 Time On Btm: **2010.04.06 @ 16:17:36**
 Time Off Btm: **2010.04.06 @ 18:30:06**

TEST COMMENT: IF-Weak steady surface blow

FF-No blow

Pressure vs. Time



PRESSURE SUMMARY

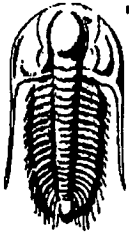
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1407.16	95.28	Initial Hydro-static
10	13.60	96.50	Open To Flow (1)
41	16.96	96.78	Shut-In(1)
70	353.56	97.11	End Shut-In(1)
70	17.46	96.94	Open To Flow (2)
102	19.72	97.31	Shut-In(2)
132	165.92	97.60	End Shut-In(2)
133	1525.47	98.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drig 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

Chesney A-1

PO Box 352
Russell KS 67665

2 8 17 Rooks KS

Job Ticket: 38182

DST#: 4

ATTN: Matt Dreiling

Test Start: 2010.04.06 @ 15:15:36

Tool Information

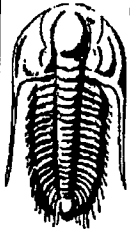
Drill Pipe:	Length: 3175.00 ft	Diameter: 3.80 inches	Volume: 44.54 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 44.69 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3205.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	75.00 ft				
Tool Length:	95.00 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			3186.00	
Shut In Tool	5.00			3191.00	
Hydraulic tool	5.00			3196.00	
Packer	5.00			3201.00	20.00 Bottom Of Top Packer
Packer	4.00			3205.00	
Stubb	1.00			3206.00	
Perforations	1.00			3207.00	
Change Over Sub	1.00			3208.00	
Recorder	0.00	8354	Inside	3208.00	
Recorder	0.00	8520	Outside	3208.00	
Drill Pipe	63.00			3271.00	
Change Over Sub	1.00			3272.00	
Perforations	5.00			3277.00	
Bullnose	3.00			3280.00	75.00 Bottom Packers & Anchor

Total Tool Length: 95.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Chesney A-1

PO Box 352
Russell KS 67665

2 8 17 Rooks KS

Job Ticket: 38182

DST#: 4

ATTN: Matt Dreiling

Test Start: 2010.04.06 @ 15:15:36

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drig 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:

