

Confidentiality Requested:

Yes  No

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

**Form must be Typed**

**Form must be Signed**

**All blanks must be Filled**

**WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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**

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that 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.

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input 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

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				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	K3 Oil & Gas Operating Company
Well Name	Jelinek 14-23
Doc ID	1301886

Tops

Name	Top	Datum
Heebner	3062	1866
Stalnaker	3394	-2194
KC	3773	-2577
Marm	4090	-2894
Cherokee	4234	-3047
Miss	4450	-3254
Kinderhook	4842	-3646
Chatt	4897	-3701
Simpson	4911	-3715





**BASIC**  
ENERGY SERVICES

RECEIVED  
MAR 22 2016

PAGE 1 of 1	CUST NO 1009504	YARD # 1718	INVOICE DATE 03/17/2016
INVOICE NUMBER <b>92075698</b>			

Pratt (620) 672-1201  
 B K3 OIL & GAS  
 I 24900 PITKIN RD, SUITE 305  
 L THE WOODLANDS  
 TX US 77386  
 T  
 O ATTN: SELIGMAN

J LEASE NAME Jelinek #14-23  
 O LOCATION  
 B COUNTY Harper  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T  
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40921394	20920-0		Net - 30 days	04/16/2016

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 03/16/2016 to 03/16/2016</i>				
0040921394				
171812894A Cement-New Well Casing/Pi 03/16/2016 PTA Cement New Well				
60/40 POZ	80.00	EA	6.00	480.00 T
Celloflake	21.00	EA	1.85	38.85 T
Cement Gel	138.00	EA	0.13	17.25 T
"Unit Mileage Chg (PU, cars one way)"	85.00	MI	2.25	191.25
Heavy Equipment Mileage	170.00	MI	3.75	637.50
"Proppant & Bulk Del. Chgs., per ton mil	345.00	EA	1.25	431.25
Depth Charge; 501'-1000'	1.00	EA	600.00	600.00
Blending & Mixing Service Charge	80.00	BAG	0.70	56.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	87.50	87.50

Company \_\_\_\_\_  
 Well Name *Jelemik*  
 G/L Account *9210*  
 Approval *[Signature]*

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	2,539.60
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	34.85
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	2,574.45
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET  
1718 12894 A

23-345-5W

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB: 3-16-16		DISTRICT: Pratt, Kansas		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER: K3 Oil and Gas Operating				LEASE: Jolinet				WELL NO: 14-23	
ADDRESS:				COUNTY: Harper		STATE: Kansas			
CITY:		STATE:		SERVICE CREW: C. Messick, M. McGraw, D. Martinez					
AUTHORIZED BY:				JOB TYPE: C.W. Plug To Abandon					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
20920	1					3-16-16	3-16-16	PM	12:00
						ARRIVED AT JOB		AM	5:40
						START OPERATION		PM	6:30
19860	.5					FINISH OPERATION		AM	8:00
						RELEASED	3-16-16	AM	8:15
						MILES FROM STATION TO WELL			85

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Walter Brum  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 103	60/40 Poz	sk	80	\$	960 00
CC 102	Cellflake	Lb	21	\$	77 70
CC 200	Cement Gel	Lb	138	\$	34 50
F 100	Pickup Mileage	mi	85	\$	382 50
F 101	Heavy Equipment Mileage	mi	170	\$	1,275 00
E 113	Bulk Drivers	Tn/m	345	\$	862 50
CE 201	Cement Pump: 50 Feet To 1,000 Feet	4hr	1	\$	1,200 00
CE 240	Blending and Mixing Service	sk	80	\$	112 00
S003	Service Supervisor	Job	1	\$	175 00

SUB TOTAL \$ 5,079.20

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$

TOTAL KA 2,539.60

SERVICE REPRESENTATIVE: <u>[Signature]</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>Walter Brum</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO.

Customer K 3 Oil and Gas Operating	Lease No.	Date 3-16-16
Lease Jelinok	Well # 14-23	
Field Order # 12894	Station Pratt, Kansas	Casing 4 1/2 Drill Pipe
Type Job C.N.W. Plug To Abandon	Depth pe	County Harper
	Formation	State Kansas
		Legal Description 23-345-5W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	80 sacks 60/40 Poz	RATE	PRESS	ISIP
Depth	Depth	From	To	Pre-Pad	48 Total Gal.	Max		5 Min.
Volume	Volume	From	To	Bad	13.78 Lb./Gal.	Min	6.92 Gal/sk.	10 Min.
Max Press	Max Press	From	To	Rate		Avg	1.43	15 Min.
Well Connection	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Fresh Water	Gas Volume		Total Load

Customer Representative Walt	Station Manager Kevin Gordley	Treater Clarence R. Messick
Service Units 37,216	33,708	20,920
Driver Names Messick	McGraw	Martinez
19,903	19,860	

Time P.M.	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
5:40					Trucks on location and hold safety meeting.
					1 <sup>st</sup> Plug 557 Feet 35 sacks cement
6:40		100		3	start mixing cement
		150	9	3	start Fresh water Displacement.
6:43		-	11		stop pumping.
					2 <sup>nd</sup> Plug 60 Feet 25 sacks cement
7:15				2.5	start mixing cement
			6		stop cement circulated to surface.
7:18		-0-			stop pumping.
7:25		-0-	4	2	Plug Rat Hole
7:30					Wash up pump truck
8:00					Job Complete.
					Thank You
					Clarence, Mike, Daryl

API # 15-077-22166-00-00

Operator: K3 Oil & Gas Operating Company Well Name & No: Jelinek #14-23  
 Location: 887 FSL & 1343 FWL, Section 23-34s-5w County: Harper State: Kansas  
 Rig No.: 4 Contractor: WW Drilling, LLC Tool Pusher: Sid Deutscher 785-259-2382  
 Drill Collars: 14 Size: 6 1/4 x 2 1/4 Rig Phone: 785-259-0038  
 Make Pump: Emsco D-375 Liner & Stroke: 6.5 x 14 Spud 3/4/16 @ 1:30 pm  
 Approx. TD: 5600 Elevation: 1191 G.L. 1196 KB Hole Complete: 3/16/16 @ 11:45  
 Mud Co.: Mud - Co Mud Engineer: Brad Water Creek - 20160024

Date	03/14/16	03/15/16	03/16/16	03/17/16						
Days	11-drlg	12-drlg	13-dst #2	14-done						
Depth	4870	5068	5100	5100						
Ft. Cut	203	198	32	0						
D.T.										
D.T.										
C.T.	5 1/2	5-L.cir.	19.25	16.5						
Bit Wt.	40,000	40,000	40,000							
RPM	203	85	85							
Pressure	950	950	950							
SPM	55	55	55							
Mud Cost	19,491	24,007	32,585	32,445						
Mud Wt.	9.3	9.1	9.1							
Viscosity	50	48	53							
Water Loss	10.4	10.8	11.2							
Chlorides	13,500	16,000	13,000							
L.C.M.	4#	11#	12#							
Dev. Sur			1°-5100							
Dev. Sur										
Fuel	3204	2796	2505	2330						
Water-Pit	2.5'	3'	full							
ACC Bit Hrs.	113.75	132.5	137.25							
Formation	sh-lm	sh-lm	sh-lm							
Weather	fog	clear	clear	cloudy						

No.	Size	Type	Out	Ft.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops
1	12 1/4	Sm-tooth	507	507	10.25	10.25	RR	14019	
2	7 7/8	Logistic	538	31	2	12.25	RR	509531	34.9 FPH
3	7 7/8	Sm-F 27	4110	3389	89.75	105	New	RH 3690	
4	7 7/8	Sm-F 47	5100	990	137.25	145.75	RR	JK 4571	

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
507	8 5/8	275	60/40 poz & Lite	5:15 AM	5:15 PM	Basic Cem. Did circulate
	plugged	80	60/40 poz - 4% gel - 1/4# flo-seal	7:30 PM	3/16/2016	Basic Cementing

NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY
1	4569-4667	5	90	60	190	140' mud w/ os
2	4908-4930	10	30	60	60	135' mcw
3						
4						
5						
6						
7						
8						
9						

Surface Casing Furnished by: Midwest: Ran 12 joints of 8 5/8 tally 500.31 set @ 507'.

**Remarks: Strap & weld surface by Zoglemann. Lost circulation @ 1321' pull 5 stands. Bit trip @ 1727' (3.75 hrs). Displaced @ 3011' (700 bbls). Bit trip @ 4110' (5.25 hrs). Short trip @ 4667', 10 stands (.75 hrs). Pipe strap .69 long. Lost circulation @ 4875', pulled 15 stds (160 bbls). Still losing a little volume. RTD 5100'. Pipe strap .69 long. LTD 5097' by Haliburton, logged 4.25 hrs. Ran straddle test. Plug hole as ordered by Dan Fox. 35sx @ 557', 25sx @ 60', 30sx rathole. Plug down @ 7:30 pm, 3/16/16. Release rig @ 11:30 pm, 3/16/16.**





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

K3 Oil & Gas Oper.Co.

**23-34s-5w Harper Ks.**

24900 Pitkin Rd.Ste.305  
The Woodlands Tx. 73386

**Jelinek#14-23**

Job Ticket: 57939

**DST#: 1**

ATTN: Erin Csapos /Donovan

Test Start: 2016.03.12 @ 22:19:16

## GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:24:31

Time Test Ended: 08:44:46

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 80

**Interval: 4569.00 ft (KB) To 4667.00 ft (KB) (TVD)**

Reference Elevations: 1196.00 ft (KB)

Total Depth: 4667.00 ft (KB) (TVD)

1191.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

**Serial #: 9124 Outside**

Press @RunDepth: 90.14 psig @ 4570.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.03.12

End Date:

2016.03.13

Last Calib.:

2016.03.13

Start Time: 22:19:21

End Time:

08:44:46

Time On Btm:

2016.03.13 @ 00:23:46

Time Off Btm:

2016.03.13 @ 06:07:01

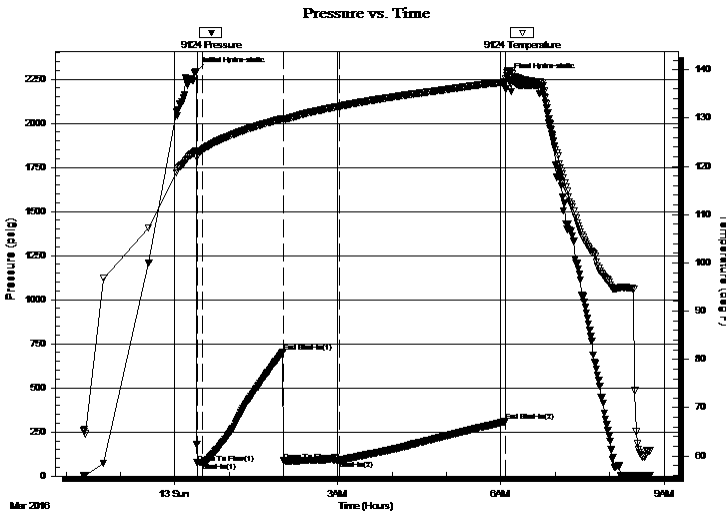
TEST COMMENT: IF:Weak blow . 1 - 2".

IS:No blow .

FF:No blow .

FS:No blow .

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2294.09	123.28	Initial Hydro-static
1	75.79	122.61	Open To Flow (1)
7	79.00	123.47	Shut-In(1)
96	703.88	129.91	End Shut-In(1)
97	86.51	129.71	Open To Flow (2)
158	90.14	132.43	Shut-In(2)
342	309.92	137.44	End Shut-In(2)
344	2261.02	139.61	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
140.00	Drig.mud	0.87

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

K3 Oil & Gas Oper.Co.  
 24900 Pitkin Rd.Ste.305  
 The Woodlands Tx. 73386  
 ATTN: Erin Csapos /Donovan

**23-34s-5w Harper Ks.**  
**Jelinek#14-23**  
 Job Ticket: 57939 **DST#: 1**  
 Test Start: 2016.03.12 @ 22:19:16

## GENERAL INFORMATION:

Formation: **Miss.**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:24:31  
 Time Test Ended: 08:44:46  
**Interval: 4569.00 ft (KB) To 4667.00 ft (KB) (TVD)**  
 Total Depth: 4667.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Gary Pevoteaux  
 Unit No: 80  
 Reference Elevations: 1196.00 ft (KB)  
 1191.00 ft (CF)  
 KB to GR/CF: 5.00 ft

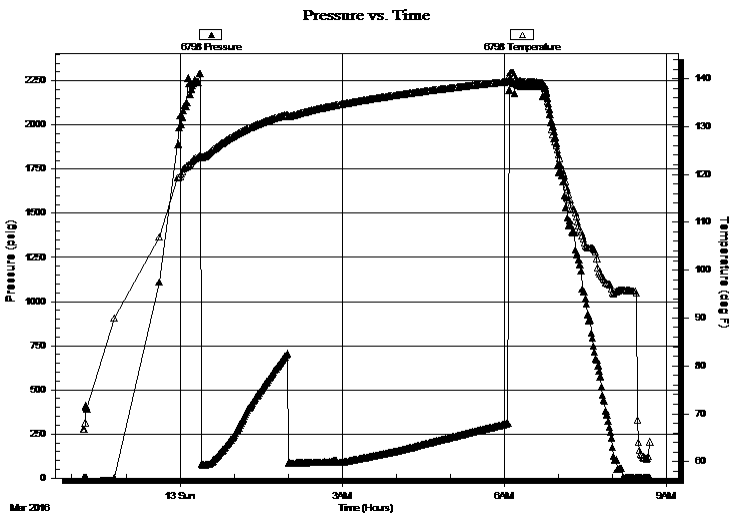
## Serial #: 6798

**Inside**

Press @RunDepth: psig @ 4570.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.03.12 End Date: 2016.03.13 Last Calib.: 2016.03.13  
 Start Time: 22:12:54 End Time: 08:42:04 Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF:Weak blow . 1 - 2".  
 IS:No blow .  
 FF:No blow .  
 FS:No blow .

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

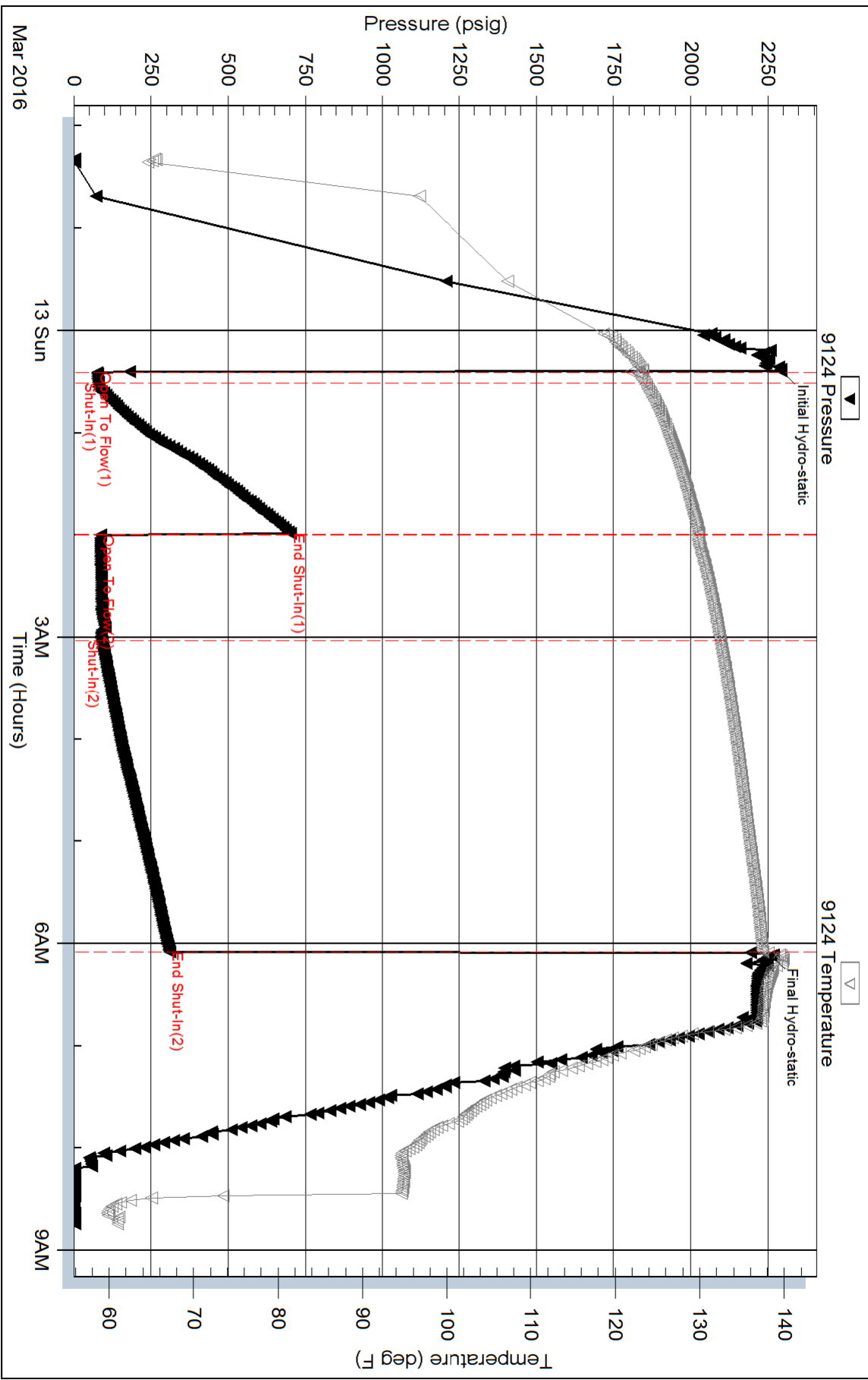
## Recovery

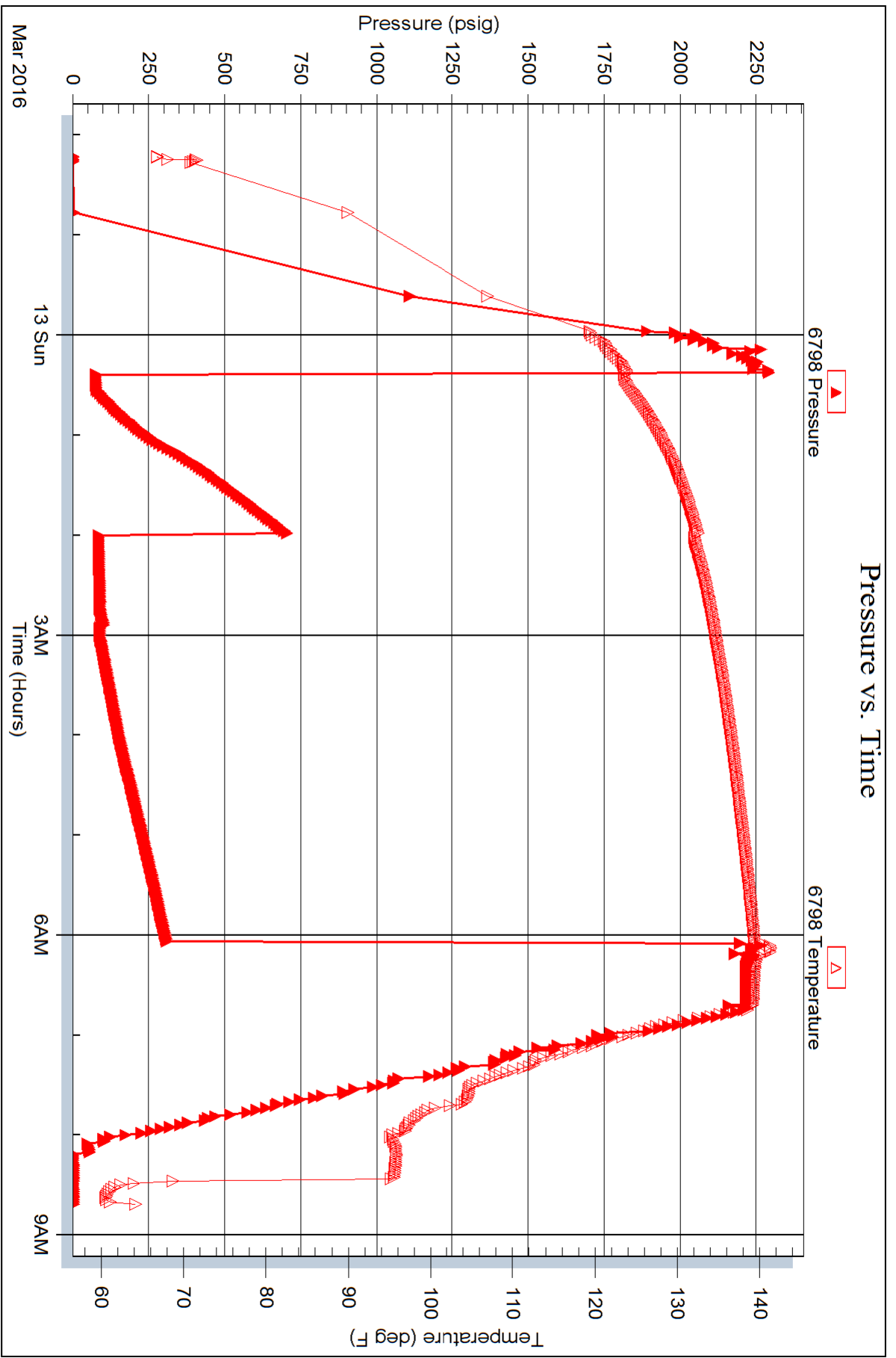
Length (ft)	Description	Volume (bbl)
140.00	Drig.mud	0.87

## Gas Rates

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

### Pressure vs. Time







**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

K3 Oil & Gas Oper.Co.  
 24900 Pitkin Rd Ste 305  
 The Woodlands, TX 73386  
 ATTN: Erin Csapos

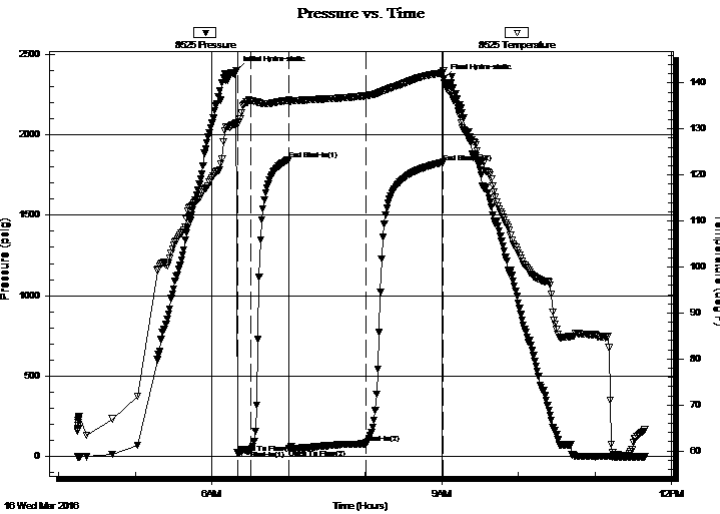
**23-34s-5w Harper**  
**Jelinek 14-23**  
 Job Ticket: 57984 **DST#: 2**  
 Test Start: 2016.03.16 @ 04:14:39

## GENERAL INFORMATION:

Formation: **Simpson**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 06:19:54  
 Time Test Ended: 11:39:09  
 Interval: **4908.00 ft (KB) To 4930.00 ft (KB) (TVD)**  
 Total Depth: 5100.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Straddle (Reset)  
 Tester: Leal Cason  
 Unit No: 74  
 Reference Elevations: 1196.00 ft (KB)  
 1191.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8525 Inside**  
 Press@RunDepth: 80.29 psig @ 4909.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.03.16 End Date: 2016.03.16 Last Calib.: 2016.03.16  
 Start Time: 04:14:40 End Time: 11:39:09 Time On Btm: 2016.03.16 @ 06:18:54  
 Time Off Btm: 2016.03.16 @ 09:01:24

TEST COMMENT: IF: Weak 1 inch Blow  
 IS: No Blow Back  
 FF: Weak 1/2 inch Blow  
 FS: No Blow Back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2399.94	131.26	Initial Hydro-static
1	23.52	130.89	Open To Flow (1)
12	40.99	136.20	Shut-In(1)
41	1845.52	136.26	End Shut-In(1)
42	48.14	135.86	Open To Flow (2)
102	80.29	137.24	Shut-In(2)
163	1829.42	142.30	End Shut-In(2)
163	2347.52	142.59	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
130.00	MCW 30%M 70%W	0.73

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

K3 Oil & Gas Oper. Co.  
 24900 Pitkin Rd Ste 305  
 The Woodlands, TX 73386  
 ATTN: Erin Csapos

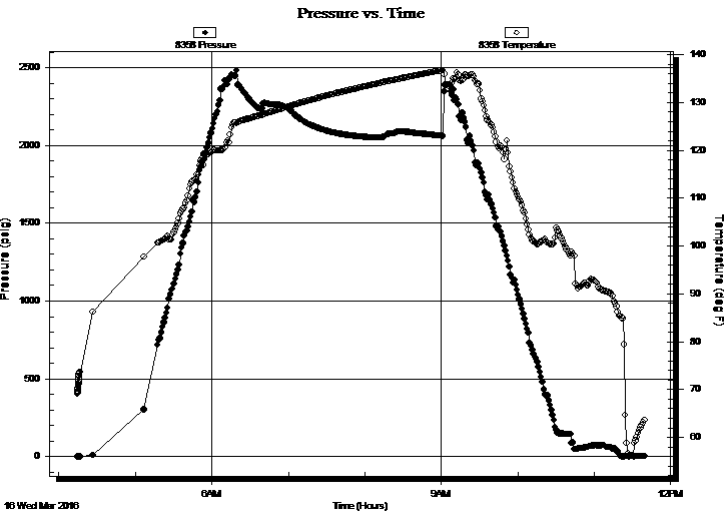
**23-34s-5w Harper**  
**Jelinek 14-23**  
 Job Ticket: 57984 **DST#: 2**  
 Test Start: 2016.03.16 @ 04:14:39

**GENERAL INFORMATION:**

Formation: **Simpson**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Straddle (Reset)  
 Time Tool Opened: 06:19:54  
 Tester: Leal Cason  
 Time Test Ended: 11:39:09  
 Unit No: 74  
**Interval: 4908.00 ft (KB) To 4930.00 ft (KB) (TVD)**  
 Reference Elevations: 1196.00 ft (KB)  
 Total Depth: 5100.00 ft (KB) (TVD) 1191.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 KB to GR/CF: 5.00 ft

**Serial #: 8358 Below (Straddle)**  
 Press@RunDepth: psig @ 4937.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.03.16 End Date: 2016.03.16 Last Calib.: 2016.03.16  
 Start Time: 04:14:40 End Time: 11:39:39 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IF: Weak 1 inch Blow  
 IS: No Blow Back  
 FF: Weak 1/2 inch Blow  
 FS: No Blow Back



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbl)
130.00	MCW 30%M 70%W	0.73

\* Recovery from multiple tests

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

K3 Oil & Gas Oper.Co.

**23-34s-5w Harper**

24900 Pitkin Rd Ste 305  
The Woodlands, TX 73386

**Jelinek 14-23**

Job Ticket: 57984

**DST#: 2**

ATTN: Erin Csapos

Test Start: 2016.03.16 @ 04:14:39

## 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:

84000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 13000.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	MCW 30%M 70%W	0.730

Total Length: 130.00 ft      Total Volume: 0.730 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .1 @ 65 degrees

Sampler : 2500 ML of Water @ 5psi

Sampler Water RW w as .11 @ 65 degrees 78000 ppm

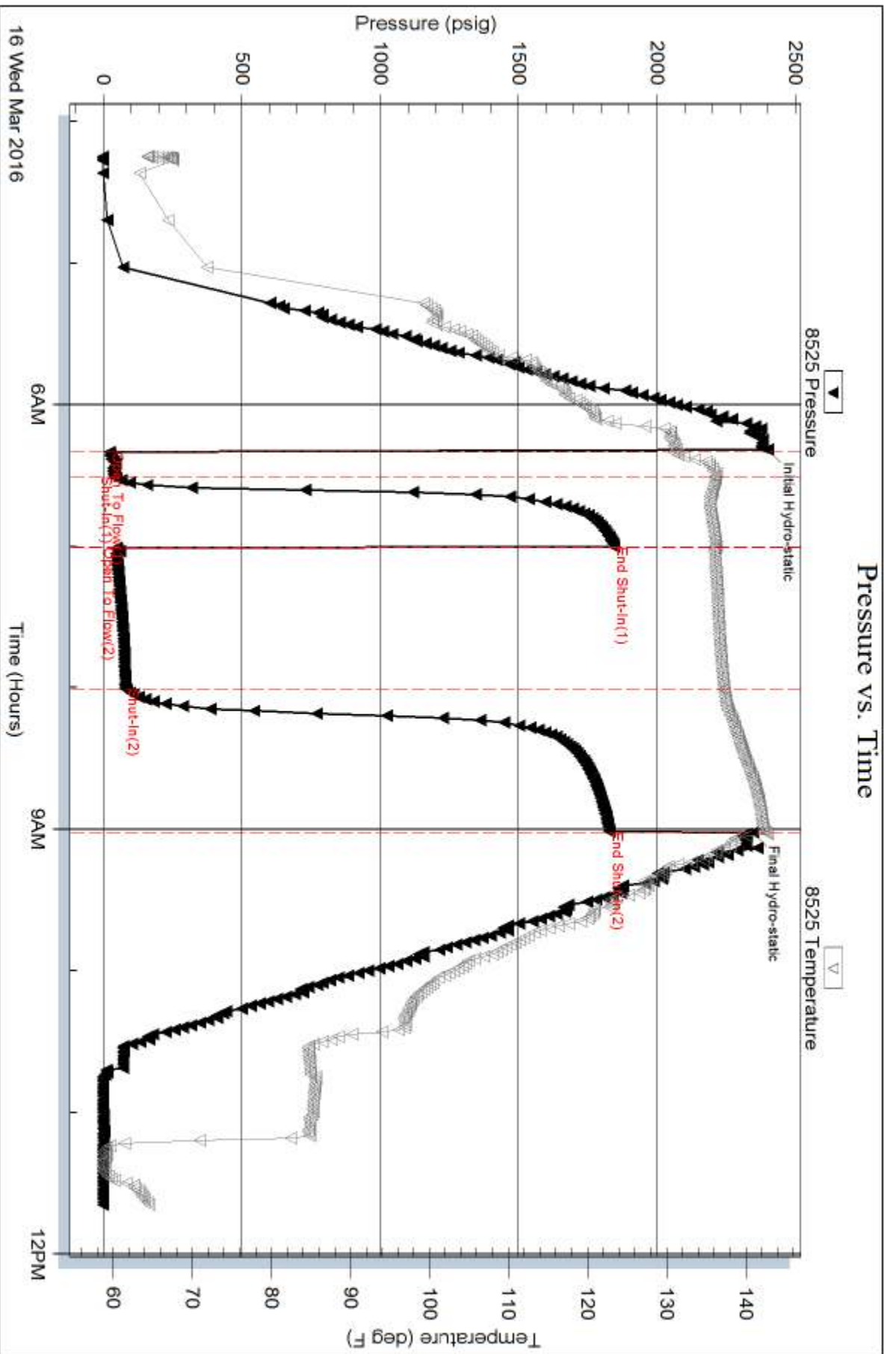
Serial #: 8525

Inside

K3 Oil & Gas Oper. Co.

Jelinek 14-23

DST Test Number: 2

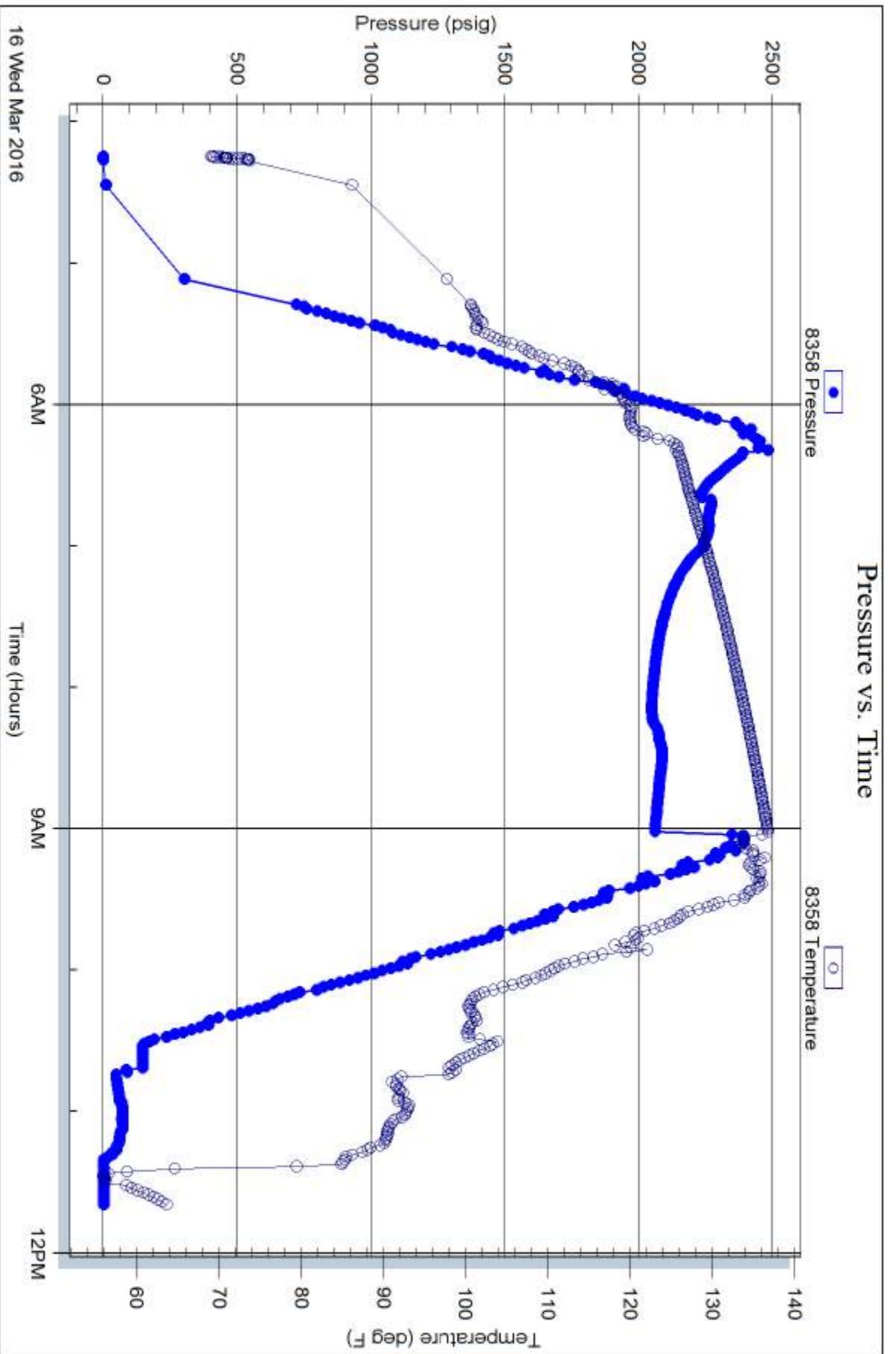


Trilobite Testing, Inc

Ref. No: 57984

Printed: 2016.03.16 @ 11:51:12







**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

K3 Oil & Gas Oper.Co.  
 24900 Pitkin Rd Ste 305  
 The Woodlands, TX 73386  
 ATTN: Erin Csapos

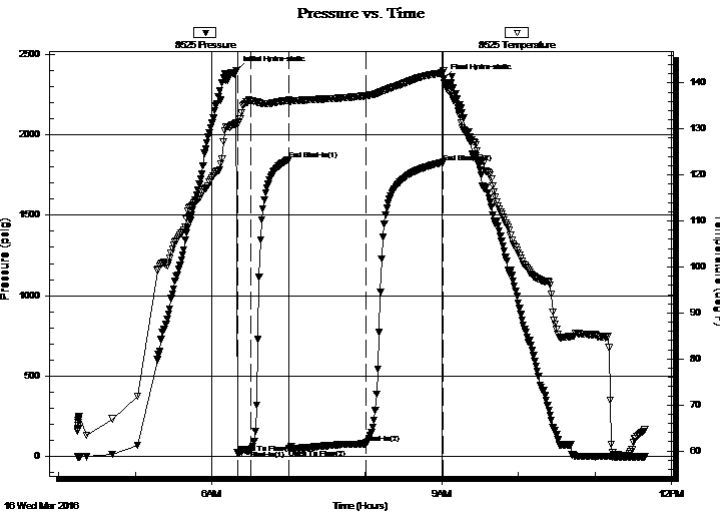
**23-34s-5w Harper**  
**Jelinek 14-23**  
 Job Ticket: 57984 **DST#: 2**  
 Test Start: 2016.03.16 @ 04:14:39

## GENERAL INFORMATION:

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 Test Type: Conventional Straddle (Reset)  
 Time Tool Opened: 06:19:54  
 Tester: Leal Cason  
 Time Test Ended: 11:39:09  
 Unit No: 74  
 Interval: **4908.00 ft (KB) To 4930.00 ft (KB) (TVD)**  
 Reference Elevations: 1196.00 ft (KB)  
 Total Depth: 5100.00 ft (KB) (TVD)  
 1191.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 KB to GR/CF: 5.00 ft

**Serial #: 8525 Inside**  
 Press@RunDepth: 80.29 psig @ 4909.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.03.16 End Date: 2016.03.16 Last Calib.: 2016.03.16  
 Start Time: 04:14:40 End Time: 11:39:09 Time On Btm: 2016.03.16 @ 06:18:54  
 Time Off Btm: 2016.03.16 @ 09:01:24

TEST COMMENT: IF: Weak 1 inch Blow  
 IS: No Blow Back  
 FF: Weak 1/2 inch Blow  
 FS: No Blow Back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2399.94	131.26	Initial Hydro-static
1	23.52	130.89	Open To Flow (1)
12	40.99	136.20	Shut-In(1)
41	1845.52	136.26	End Shut-In(1)
42	48.14	135.86	Open To Flow (2)
102	80.29	137.24	Shut-In(2)
163	1829.42	142.30	End Shut-In(2)
163	2347.52	142.59	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
130.00	MCW 30%M 70%W	0.73

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

K3 Oil & Gas Oper.Co.

**23-34s-5w Harper**

24900 Pitkin Rd Ste 305  
The Woodlands, TX 73386

**Jelinek 14-23**

Job Ticket: 57984

**DST#: 2**

ATTN: Erin Csapos

Test Start: 2016.03.16 @ 04:14:39

## 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:

84000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 13000.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	MCW 30%M 70%W	0.730

Total Length: 130.00 ft      Total Volume: 0.730 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .1 @ 65 degrees

Sampler : 2500 ML of Water @ 5psi

Sampler Water RW w as .11 @ 65 degrees 78000 ppm

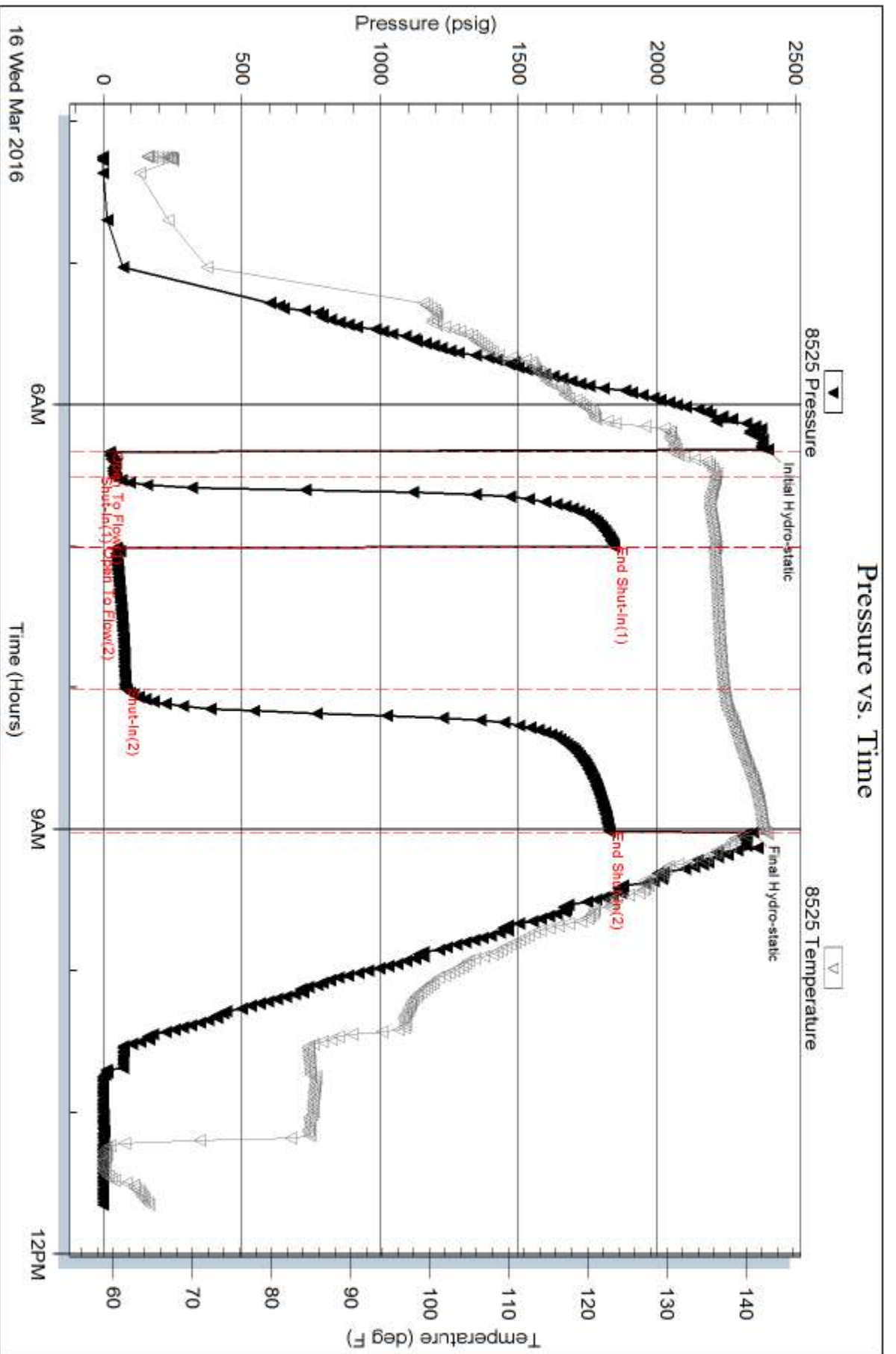
Serial #: 8525

Inside

K3 Oil & Gas Oper. Co.

Jelinek 14-23

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 57984

Printed: 2016.03.16 @ 11:51:12

