



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1262645  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

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       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- 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 ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

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
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1262645

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

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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 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)*

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Miller-Becker Enterprises, LLC
Well Name	Wegele 1-A
Doc ID	1262645

All Electric Logs Run

BOREHOLE COMP.
NEUTRON-DENSITY
MICROLOG
COMPOSITE LOG
INDUCTION LOG

Form	ACO1 - Well Completion
Operator	Miller-Becker Enterprises, LLC
Well Name	Wegele 1-A
Doc ID	1262645

Tops

Name	Top	Datum
ANHYDRITE	633110	+965
TOPEKA	2868	-940
HEEBNER	3093	-1167
TORONTO	3110	-1183
LKC	3153	-1225
BKC	3375	-1447
CONGLOMERATE	3386	-1458
ARBUCKLE	3422	-1494



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 1814

Date	5-8-15	Sec.	27	Twp.	15	Range	15	County	Russell	State	Ks	On Location		Finish	8:00 AM
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Location *Milberger - 3 1/2 W, N 15*

Lease	<i>Weagle</i>	Well No.	<i>1-A</i>	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.
Contractor	<i>Royal</i>				
Type Job	<i>Surface</i>				
Hole Size	<i>12 1/4"</i>	T.D.	<i>686'</i>	Charge To	<i>Milks Becker Enterprises</i>
Csg.	<i>8 5/8"</i>	Depth	<i>685'</i>	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.	<i>20'</i>	Shoe Joint	<i>20'</i>	Cement Amount Ordered <i>275 80/20 3% CC 2% CC</i>	
Meas Line		Displace	<i>42 1/4 BLS</i>		

**EQUIPMENT**

Pumptrk	<i>20</i>	No.		Cementer	<i>Nick</i>	Common	<i>220</i>
				Helper		Poz. Mix	<i>55</i>
Bulktrk	<i>9</i>	No.		Driver	<i>Billy</i>	Gel.	<i>5</i>
				Driver		Calcium	<i>10</i>
Bulktrk	<i>p.u.</i>	No.		Driver	<i>Rick</i>		

**JOB SERVICES & REMARKS**

Remarks:	<i>Cement did Circulate</i>	Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	

Handling	<i>290</i>
Mileage	

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

*1 - Double Cup plug*

Pumptrk Charge	<i>Long Surface</i>
Mileage	<i>15</i>

Tax	
Discount	
Total Charge	

X Signature *Royal*



# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 1269

Date	5-13-15	Sec.	27	Twp.	15	Range	15	County	Russell	State	Kansas	On Location		Finish	6:00 PM
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Location Milberger Ks. 3 1/2 W 1/4 N. T170

Lease	Wegele	Well No.	1-A	Owner	To Quality Oilwell Cementing, Inc.
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Contractor	Royal DRIG Rig #1	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
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Type Job	PRODUCTION STRING	Charge To	Miller - Becker Enterprises LLC
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Hole Size	7 7/8	T.D.	3482'	Street	
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Csg.	5 1/2 SET @	Depth	3476'	City	
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Size	8 5/8 Surface	Depth	685'	State	
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Tool	LATCH DOWN PLUG ASSY @	Depth	3440'	The above was done to satisfaction and supervision of owner agent or contractor.	
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Cement Left in Csg.	36.20	Shoe Joint	36.20	Cement Amount Ordered	180 SX 10% SALT 52 GILSONITE
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Meas Line	3000' - 17#	Soil	15#	Displace	80.25 BBL	4# F10 Seal - 500 GAL MUD-CLR 48
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69.75 + 10.50 = BBL EQUIPMENT

Pumptrk	20	No.	Cementer	Glenn G.
			Helper	
Bulktrk	15	No.	Driver	Cody B.
			Driver	
Bulktrk		No.	Driver	Doug H.
			Driver	

Common	180
Poz. Mix	
Gel.	
Calcium	

**JOB SERVICES & REMARKS**

Remarks:	(JOINT # 78 OUT)	Hulls	
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Rat Hole	30 SX	Salt	14
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Mouse Hole	15 SX	Flowseal	45#
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Centralizers	7 JTS 1, 4, 6, 8, 10, 12, 13	Seal	850#
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Baskets	1 JT #3	Mud CLR 48	500 Gal
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3000' 17# = 69.75 BBL	440' 15# = 10.50 BBL	CFL-117 or CD110 CAF 38	
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Run 5 1/2 csg Tag Bottom @ 3482'	Handling	202
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Pull-up 6' SET @ 3476'	Mileage	
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LATCH DOWN PLUG ASSY @ 3440' 36' shoe	FLOAT EQUIPMENT	
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Receive Circle DROP AFU BALL (1500#) open	Guide Shoe	
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CIRCULATE APPROX 45 min. ON BOTTOM	Centralizer	TURBO X 7
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DID ROTATE (FREELEX) - Desco -	Baskets	X 1
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Pump 500 GAL MUD CLR	AFU Inserts	
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Plug Rathole w/ 30 SX ~ Plug Mouse w/ 15 SX	Float Shoe	X 1
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Cement 5 1/2 csg w/ 135 SX	Latch Down	X 1
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Clear-Line, Release LATCH DN. Plug	ROTATING HEAD	
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+ Displace 1 BBL H2O	Pumptrk Charge	prod string
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HAD 700 # LIFT PRESSURE	Mileage	15
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LAND Plug @ 1750 #	Tax	
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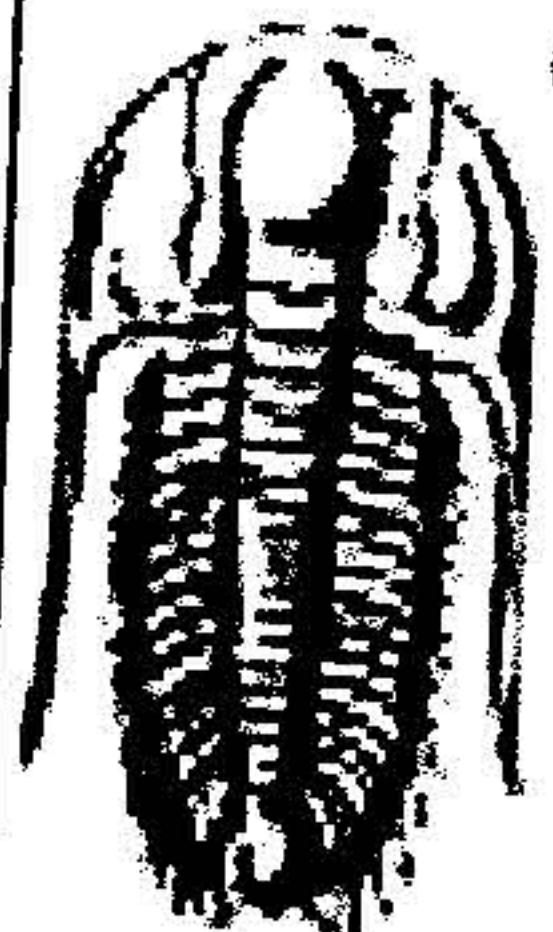
Release PRESSURE & AFU - Plug (held)	Discount	
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X Signature [Signature]

THANK'S!

Total Charge	
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**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Miller-Becker Enterprises Inc

100 S Main St  
Russell KS 67665

ATTN: Herb Deines

27 15s 15w Russell

**Wegele #1 A**

Job Ticket: 62380

DST#: 1

Test Start: 2015.05.11 @ 06:24:00

## GENERAL INFORMATION:

Formation: **LKC "C"**  
Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:01:15

Time Test Ended: 11:57:00

Interval: **3165.00 ft (KB) To 3186.00 ft (KB) (TVD)**

Total Depth: 3186.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

Reference Elevations: 1928.00 ft (KB)

1922.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8289

Outside

Press@RunDepth: 58.34 psig @ 3168.00 ft (KB)

Start Date: 2015.05.11

End Date:

2015.05.11

Capacity: 8000.00 psig

Start Time: 06:24:02

End Time:

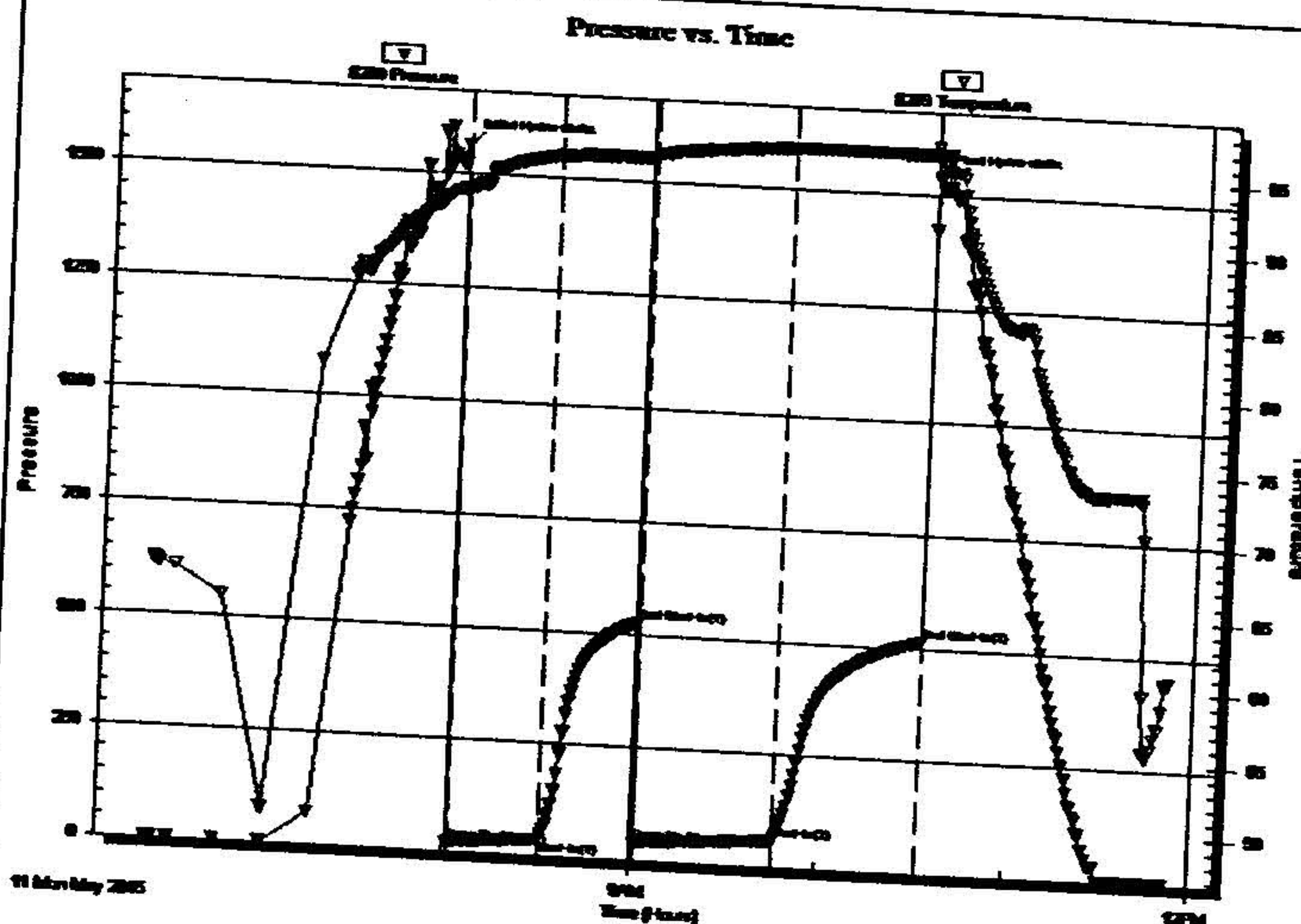
11:52:06

Last Calib.: 2015.05.11

Time On Btm: 2015.05.11 @ 08:00:45

Time Off Btm: 2015.05.11 @ 10:32:45

TEST COMMENT: 30-IF- BOB in 14 min.  
30-ISI- Weak Surface Blow in 2 min.  
45-FF- BOB in 21 min.  
45-FSI- Weak Surface Blow in 2 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1564.88	92.53	Initial Hydro-static
1	18.17	92.22	Open To Flow (1)
30	35.04	95.04	Shut-In(1)
60	528.58	95.17	End Shut-In(1)
61	38.95	95.01	Open To Flow (2)
106	58.34	96.31	Shut-In(2)
152	515.00	96.27	End Shut-In(2)
152	1537.13	96.13	Final Hydro-static

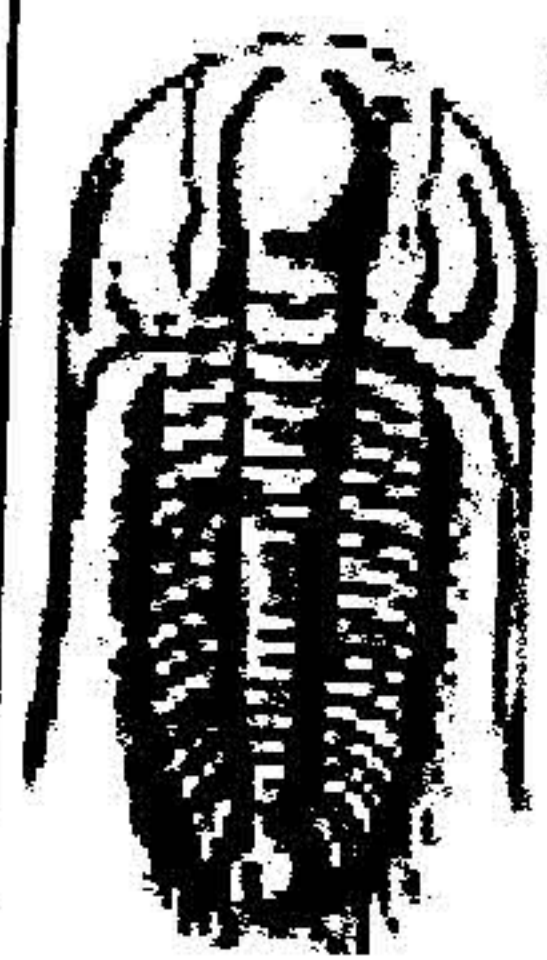
## Recovery

Length (ft)	Description	Volume (bbl)
63.00	OMCW 2%o 20%m 78%w	0.88
30.00	WOCM 20%w 40%o 40%m	0.42
0.00	280 GIP	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Miller-Becker Enterprises Inc

27 15s 15w Russell

100 S Main St  
Russell KS 67665

**Wegele #1 A**

ATTN: Herb Deines

Job Ticket: 62380

DST#: 1

Test Start: 2015.05.11 @ 06:24:00

## GENERAL INFORMATION:

Formation: **LKC "C"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:01:15  
 Time Test Ended: 11:57:00  
 Interval: **3165.00 ft (KB) To 3186.00 ft (KB) (TVD)**  
 Total Depth: 3186.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jim Svaty  
 Unit No: 76  
 Reference Elevations: 1928.00 ft (KB)  
 1922.00 ft (CF)  
 KB to GR/CF: 6.00 ft

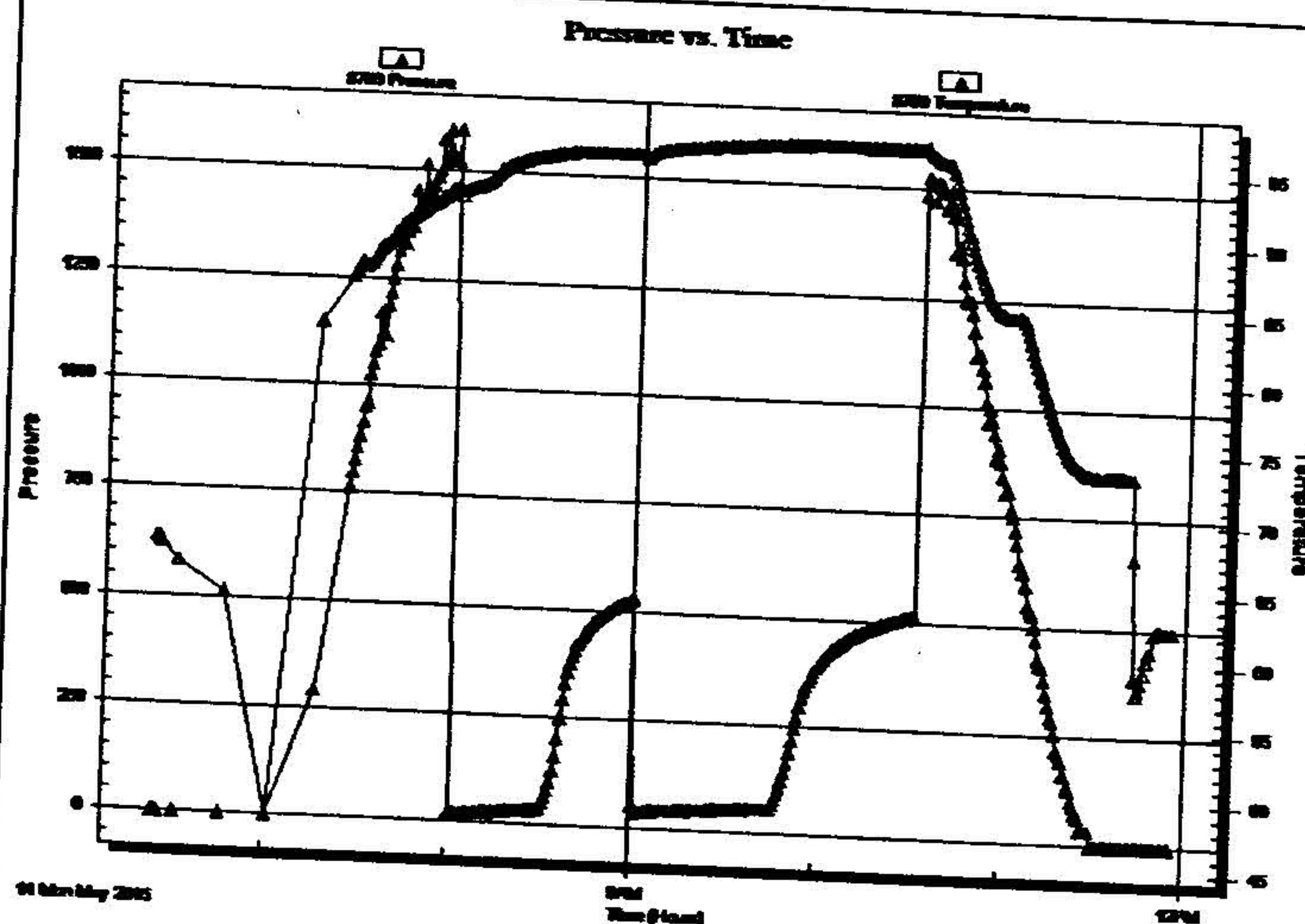
**Serial #: 8789**

Inside

Press@RunDepth: psig @ 3168.00 ft (KB)  
 Start Date: 2015.05.11 End Date: 2015.05.11  
 Start Time: 06:24:02 End Time: 11:56:45

Capacity: 8000.00 psig  
 Last Calib.: 2015.05.11  
 Time On Btm:  
 Time Off Btm:

TEST COMMENT: 30-IF- BOB in 14 min.  
 30-ISI- Weak Surface Blow in 2 min.  
 45-FF- BOB in 21 min.  
 45-FSI- Weak Surface Blow in 2 min.



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	OMCW 2%o 20%m 78%w	0.88
30.00	WOCM 20%w 40%o 40%m	0.42
0.00	280 GIP	0.00

## Gas Rates

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





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Miller-Becker Enterprises Inc

27 15s 15w Russell

100 S Main St  
Russell KS 67665

**Wegele #1 A**

ATTN: Herb Deines

Job Ticket: 62381

DST#: 2

Test Start: 2015.05.11 @ 16:51:00

## GENERAL INFORMATION:

Formation: **LKC "D"**  
Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:15:00

Time Test Ended: 23:15:00

Interval: **3189.00 ft (KB) To 3200.00 ft (KB) (TVD)**

Total Depth: 3200.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Reference Elevations: 1928.00 ft (KB)

1922.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8289

Outside

Press@RunDepth: 22.83 psig @ 3192.00 ft (KB)

Start Date: 2015.05.11

End Date:

2015.05.11

Capacity: 8000.00 psig

Start Time: 16:51:02

End Time:

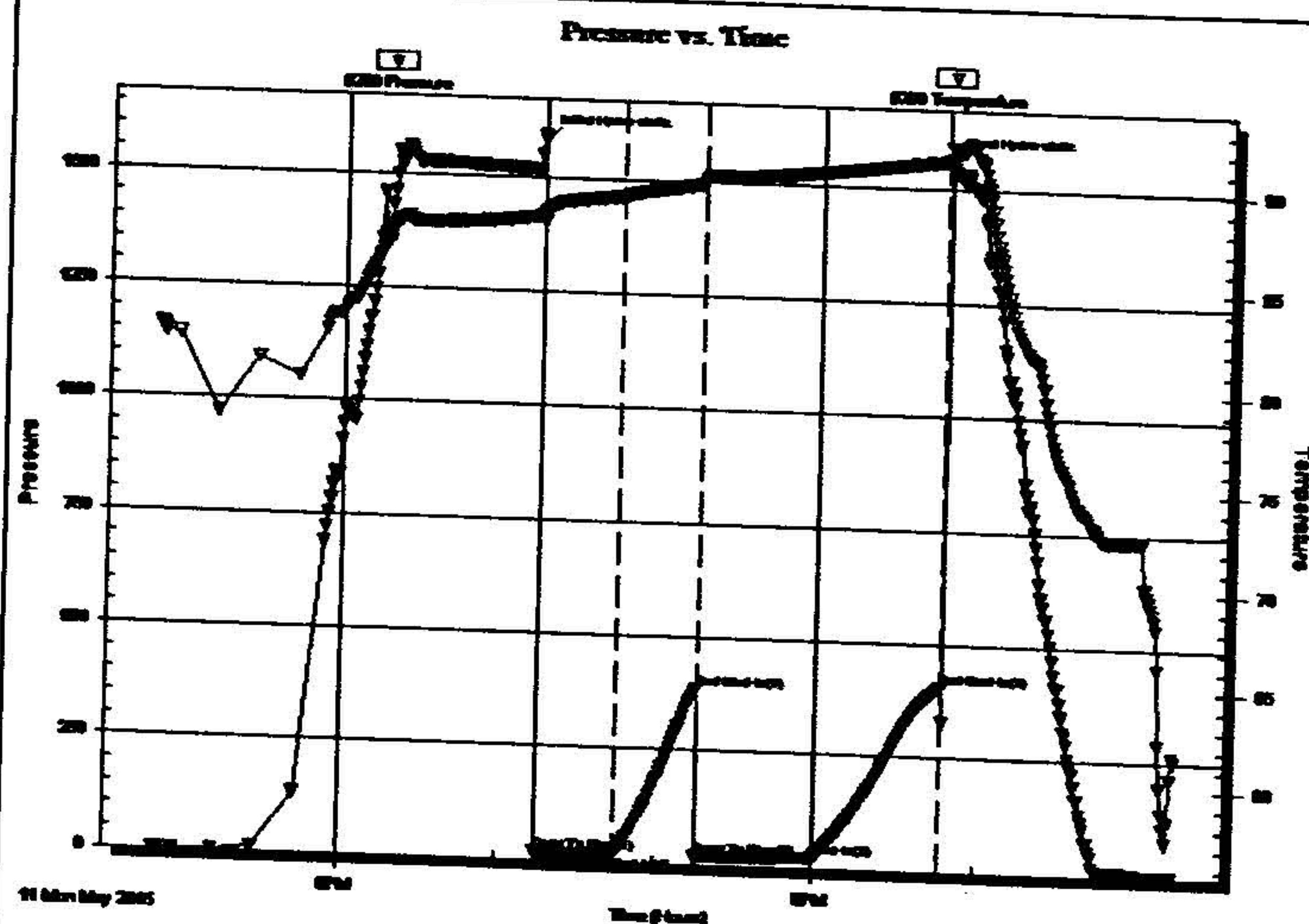
23:15:00

Last Calib.: 2015.05.11

Time On Btm: 2015.05.11 @ 19:14:45

Time Off Btm: 2015.05.11 @ 21:47:45

TEST COMMENT: 30-IF- BOB in 14 min.  
30-IS- No Blow  
45-FF- BOB in 6 1/2 min.  
45-FS- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1581.14	88.36	Initial Hydro-static
1	17.58	87.95	Open To Flow (1)
30	16.52	89.28	Shut-in(1)
61	385.55	89.99	End Shut-in(1)
61	19.82	90.15	Open To Flow (2)
105	22.83	90.76	Shut-in(2)
153	405.93	91.52	End Shut-in(2)
153	1558.16	92.18	Final Hydro-static

## Recovery

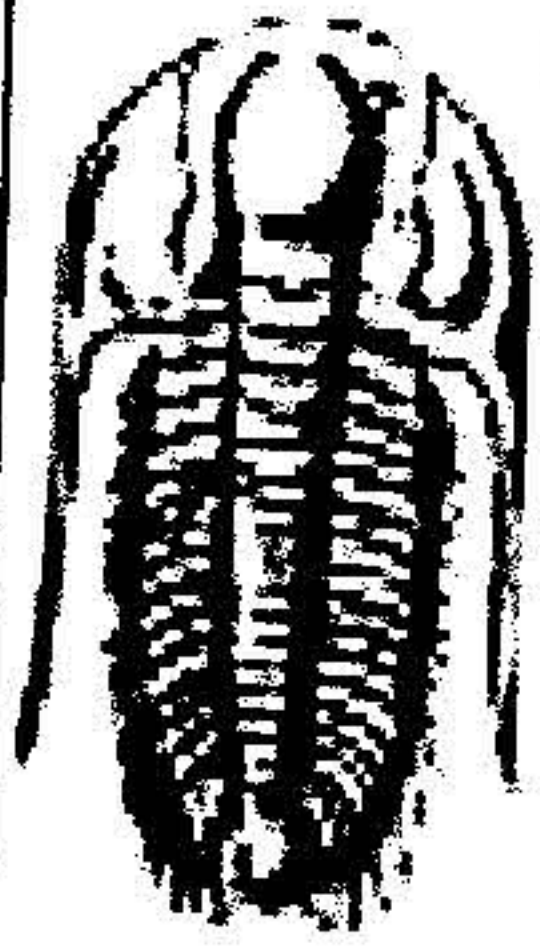
Length (ft)	Description	Volume (bbl)
60.00	GMCO 20% m 80% o	0.84
0.00	440 GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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





# TRILOBITE TESTING, INC

## DRILL STEM TEST REPORT

Miller-Becker Enterprises Inc

27 15s 15w Russell

100 S Main St  
Russell KS 67665

Wegele #1 A

Job Ticket: 62381

DST#: 2

ATTN: Herb Deines

Test Start: 2015.05.11 @ 16:51:00

### GENERAL INFORMATION:

Formation: LKC " D "  
Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:15:00  
Time Test Ended: 23:15:00

Interval: 3189.00 ft (KB) To 3200.00 ft (KB) (TVD)  
Total Depth: 3200.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches  
Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Reference Elevations: 1928.00 ft (KB)

1922.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8789

Inside

Press@RunDepth: psig @ 3192.00 ft (KB)

Start Date: 2015.05.11

End Date:

2015.05.11

Capacity: 8000.00 psig

Start Time: 16:51:02

End Time:

23:14:45

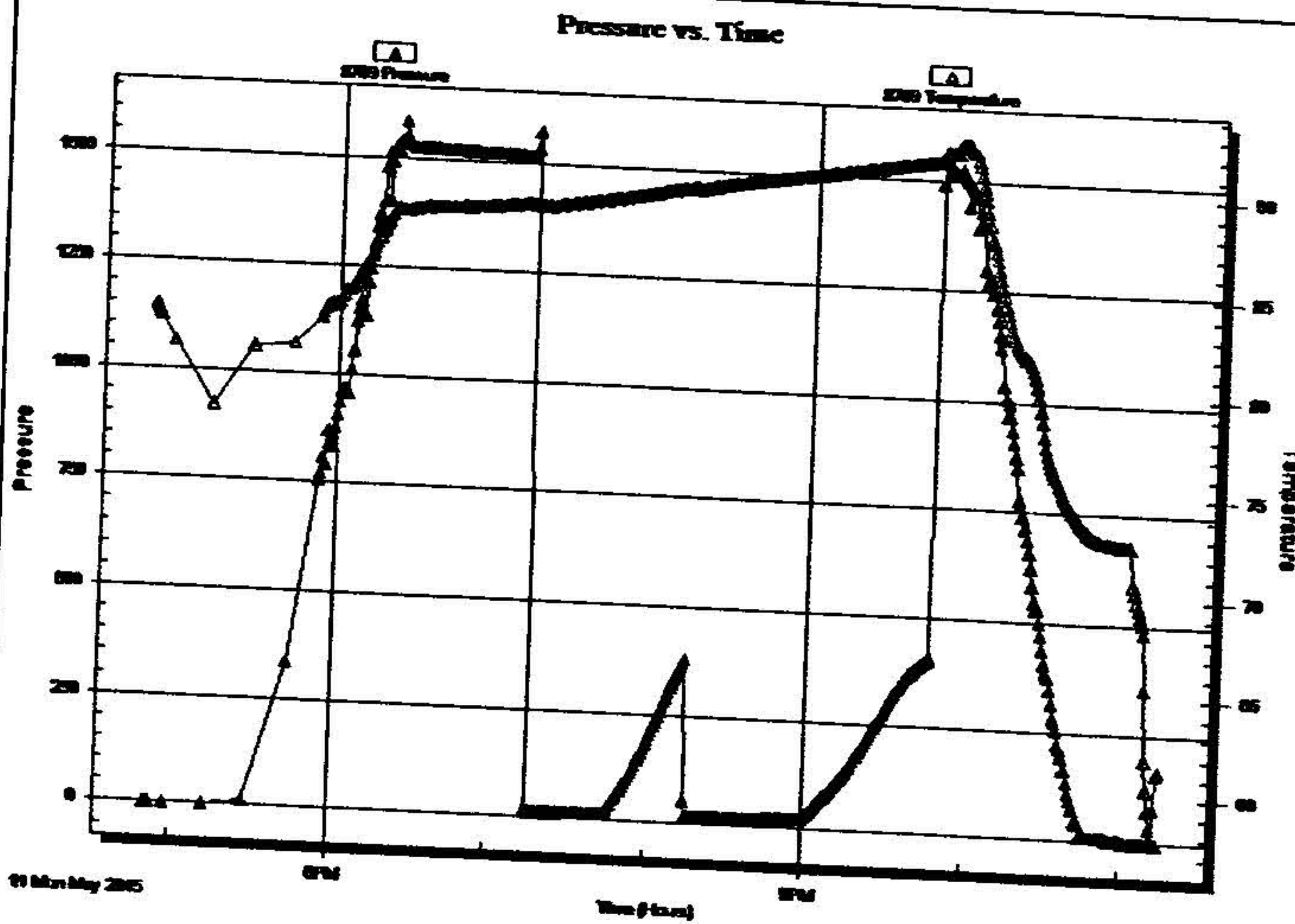
Last Calib.:

2015.05.11

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-F- BOB in 14 min.  
30-ISI- No Blow  
45-FF- BOB in 6 1/2 min.  
45-FSI- No Blow



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
60.00	GMCO 20% m 80% o	0.84
0.00	440 GIP	0.00

\* Recovery from multiple tests

### Gas Rates

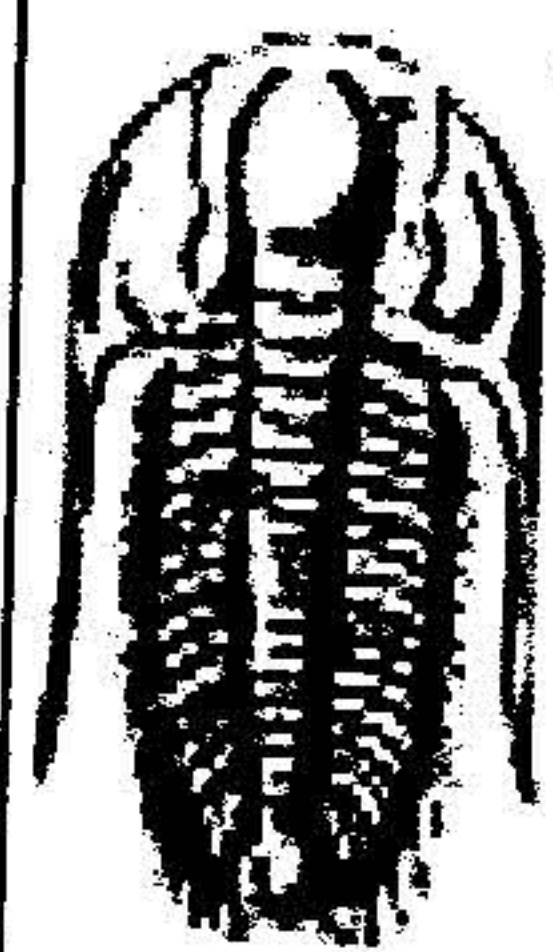
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 62381

Printed: 2015.05.13 @ 11:27:29





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Miller-Becker Enterprises Inc

27 15s 15w Russell

100 S Main St  
Russell KS 67665

**Wegele #1 A**

ATTN: Herb Deines

Job Ticket: 62382

DST#: 3

Test Start: 2015.05.12 @ 05:25:00

## GENERAL INFORMATION:

Formation: LKC "F & G"  
Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:01:15

Time Test Ended: 10:43:00

Interval: 3214.00 ft (KB) To 3244.00 ft (KB) (TVD)

Total Depth: 3244.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Reference Elevations: 1928.00 ft (KB)

1922.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8289

Outside

Press@RunDepth: 49.11 psig @ 3217.00 ft (KB)

Start Date: 2015.05.12

End Date:

2015.05.12

Capacity: 8000.00 psig

Start Time: 05:25:02

End Time:

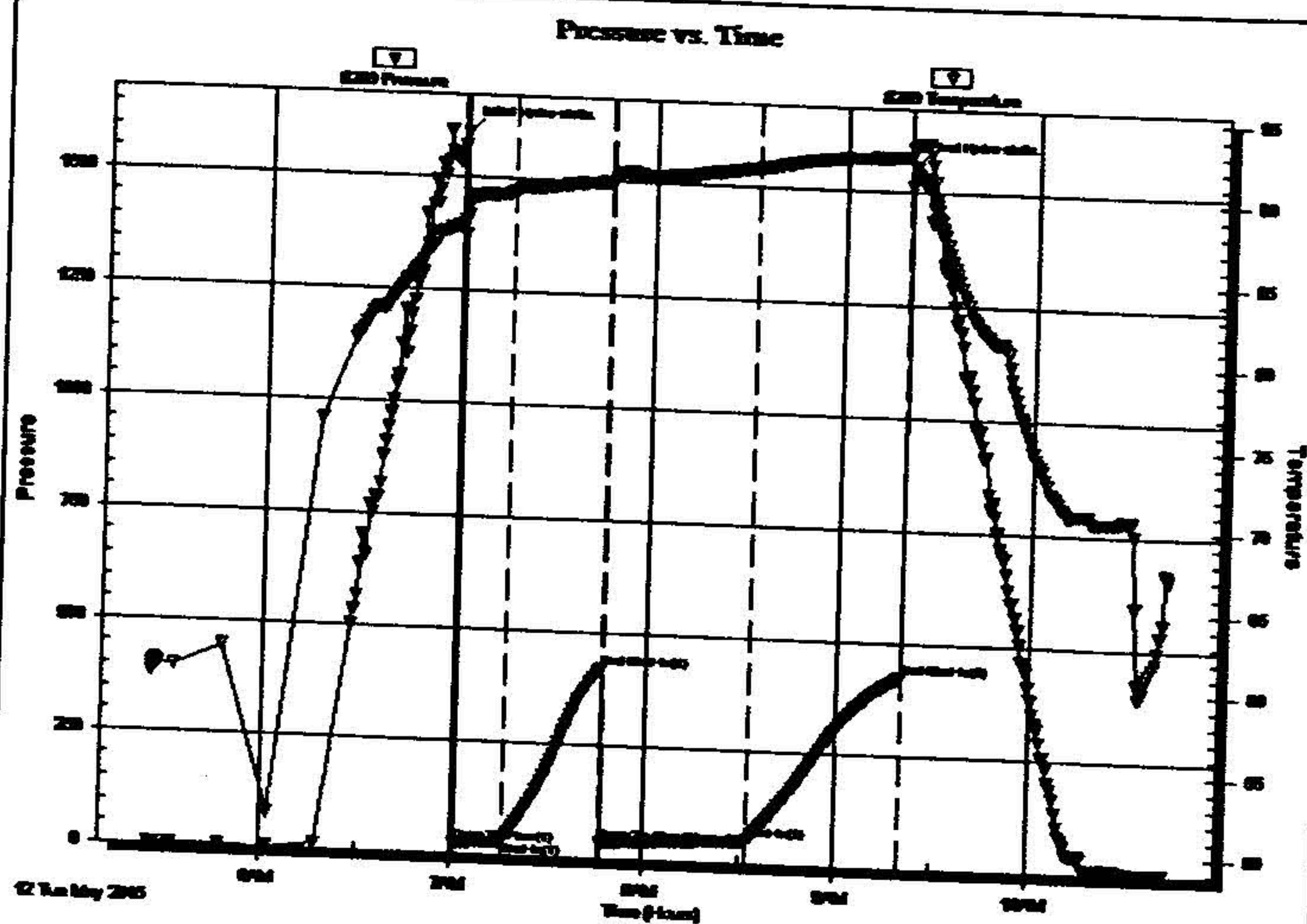
10:42:52

Last Calib.: 2015.05.12

Time On Btm: 2015.05.12 @ 07:01:00

Time Off Btm: 2015.05.12 @ 09:20:45

TEST COMMENT: 15-IF- BOB in 6min.  
30-ISI- Weak Surface Blow in 4 min.  
45-FF- BOB in 30 sec.  
45-FSI- Weak Surface Blow in 2 min. Died in 15 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1597.83	87.86	Initial Hydro-static
1	22.72	86.98	Open To Flow (1)
15	30.22	89.63	Shut-in(1)
46	418.74	90.42	End Shut-in(1)
46	35.50	90.36	Open To Flow (2)
92	49.11	91.59	Shut-in(2)
139	424.07	92.56	End Shut-in(2)
140	1554.93	93.13	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	GMWCO 10%g 10%m 10%w 70%o	0.88
30.00	OCM 25%o 75%m	0.42
0.00	850 GIP	0.00

\* Recovery from multiple tests

## Gas Rates

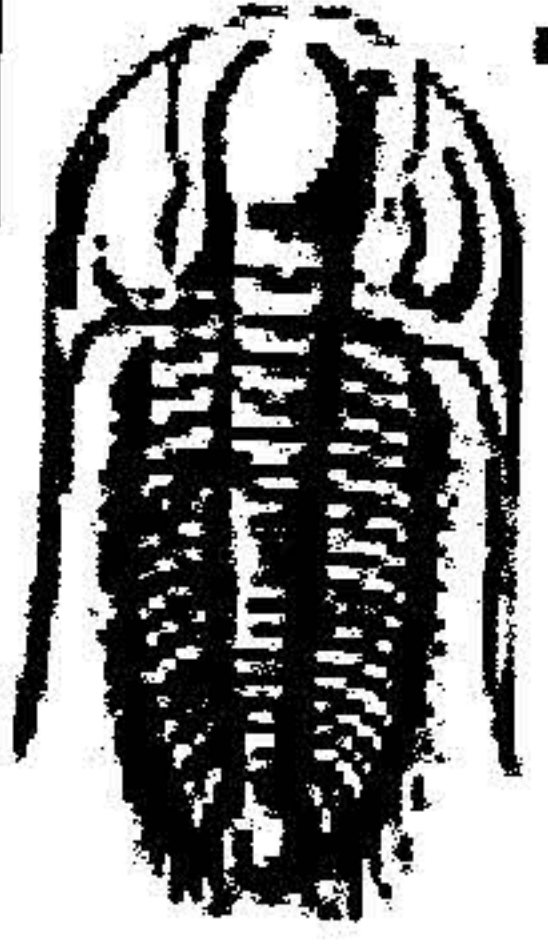
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 62382

Printed: 2015.05.13 @ 11:25:56





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Miller-Becker Enterprises Inc

27 15s 15w Russell

100 S Main St  
Russell KS 67665

Wegele #1 A

Job Ticket: 62382

DST#: 3

ATTN: Herb Deines

Test Start: 2015.05.12 @ 05:25:00

## GENERAL INFORMATION:

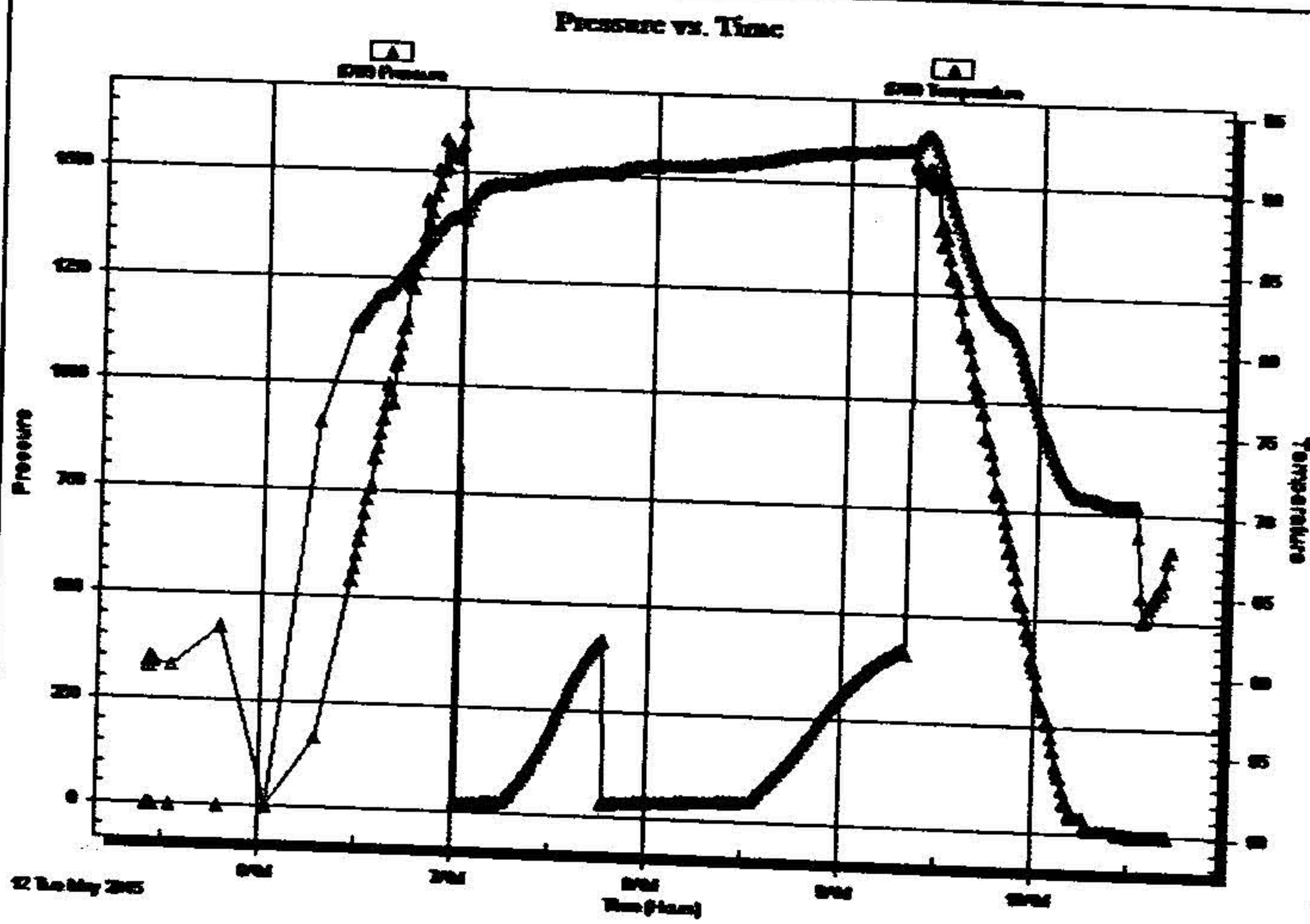
Formation: **LKC " F & G "**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:01:15  
 Time Test Ended: 10:43:00  
 Interval: **3214.00 ft (KB) To 3244.00 ft (KB) (TVD)**  
 Total Depth: **3244.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Fair  
 Test Type: **Conventional Bottom Hole (Reset)**  
 Tester: **Jim Svaty**  
 Unit No: **76**  
 Reference Elevations: **1928.00 ft (KB)**  
**1922.00 ft (CF)**  
 KB to GR/CF: **6.00 ft**

Serial #: **8789**

Inside

Press@RunDepth: psig @ **3217.00 ft (KB)**  
 Start Date: **2015.05.12** End Date: **2015.05.12** Capacity: **8000.00 psig**  
 Start Time: **05:25:02** End Time: **10:42:45** Last Calib.: **2015.05.12**  
 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 15-IF- BOB in 6min.  
 30-ISI- Weak Surface Blow in 4 min.  
 45-FF- BOB in 30 sec.  
 45-FSI- Weak Surface Blow in 2 min. Died in 15 min.



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	GMWCO 10%g 10%m 10%w 70%o	0.88
30.00	OCM 25%o 75%m	0.42
0.00	850 GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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