KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1097558

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34661
Name: Pfeifer Explorations, LLC
Address 1: 309 W. 40TH
Address 2:
City: HAYS State: KS Zip: 67601 + __ __ __ __
Contact Person: Jacob Pfeifer
Phone: (785) 625-7258
CONTRACTOR: License # 33905
Name: Royal Drilling Inc
Wellsite Geologist: Roger Moses
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
☐ Conv. to GSW
☐ Plug Back: Plug Back Total Depth
☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

09/25/2012 — Spud Date or Recompletion Date
09/30/2012 — Date Reached TD
09/30/2012 — Completion Date or Recompletion Date

API No. 15 - 15-051-26358-00-00
Spot Description:
SW - NE - SW - SW Sec. 27 Twp. 14 S. R. 16 ☐ East ☑ West
825 Feet from ☐ North / ☑ South Line of Section
865 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW

County: Ellis
Lease Name: Rohleder A Well #: 27-1
Field Name:
Producing Formation: NA
Elevation: Ground: 1860 Kelly Bushing: 1870
Total Depth: 3455 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 976 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: 4800 ppm Fluid volume: 480 bbls
Dewatering method used: Evaporated

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

☐ Letter of Confidentiality Received
Date:
☐ Confidential Release Date:
☑ Wireline Log Received
☑ Geologist Report Received
☐ UIC Distribution
ALT ☑ I ☐ II ☐ III Approved by: Deanna Garrisor Date: 10/30/2012

Side Two

1097558

Operator Name: Pfeifer Explorations, LLC Lease Name: Rohleder A Well #: 27-1

Sec. 27 Twp. 14 S. R. 16 ☐ East ☑ West County: Ellis

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 complete copy of all Electric Wire-line 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

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Micro Log
Compensated Density/Neutron Log
Dual Induction Log

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Anhydrite	974	896
Heebner	3072	1202
Lansing	3121	1251
Base KC	3352	1482
Arbuckle	3381	1511

CASING RECORD ☑ New ☐ 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	10.75	8.625	23	976	Common	450	2% Gel 3% Gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

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

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

ALLIED OIL & GAS SERVICES, LLC 053566

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell ~~Great Bend~~

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
9-30-12	27	14S	16W			9:30	10:30pm

LEASE Rohleder	WELL # 27-1	LOCATION Walker 3 1/2 S 4W 1S	COUNTY Ellis	STATE KS
OLD OR (NEW) (Circle one)		E into		

2.03 6.3 we

CONTRACTOR Royal Drilling Rig #1
TYPE OF JOB Rotary Plug
HOLE SIZE 12 1/4 T.D.
CASING SIZE 8 5/8 DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH 3425
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 0
PERFS.
DISPLACEMENT Freshwater
EQUIPMENT

OWNER

PUMP TRUCK # 409 CEMENTER Dustin Chambers
HELPER Kevin Phillips
BULK TRUCK # UBI-000 DRIVER Doug Pfannenstiel
BULK TRUCK # DRIVER

CEMENT
AMOUNT ORDERED 210 sks 60/40 class A 40% gel 1/4 # flo

COMMON	126	@ 17.90	2255.40
POZMIX	84	@ 9.35	785.40
GEL	7	@ 23.40	163.80
CHLORIDE		@	
ASC		@	
FLO-SEAL	53#	@ 2.97	157.41
HANDLING	225.2	@ 2.48	558.49
MILEAGE	9.4 X 25	2.60	611.00
		TOTAL	4531.50

REMARKS:

Fill Hole w/ 4% Bntg mud
1 3425 – 25 sks
2 1020 – 50 sks
3 420 – 95 sks
4 40 – 10 sks
5 RH – 30 sks
6 MH – 15 sks
plug rathole 10:15pm

SERVICE

DEPTH OF JOB	3425'		
PUMP TRUCK CHARGE			2600.47
EXTRA FOOTAGE		@	
MILEAGE		@	
MANIFOLD		@	
HWY RT	50	@ 7.70	385.00
LVM RT	50	@ 4.40	220.00
		TOTAL	3205.47

CHARGE TO: Pfeifer Explorations
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

1 wood Plug		@	107.64
		TOTAL	107.64

To: Allied Oil & Gas Services, 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.

SALES TAX (If Any)	494.21
TOTAL CHARGES	$7844.61
DISCOUNT	1658.95 IF PAID IN 30 DAYS
	$6185.66

PRINTED NAME X Doug Budig

SIGNATURE X Doug Budig

Thank You!!

New Customer
Need credit app

QUALITY WELL SERVICE, INC.

5682

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410
Office / Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date 9-26-12	Sec. 27	Twp. 14	Range 16	County Ellis	State KS	On Location	Finish 10:30

Lease Rohleder A | Well No. 27-1 | Location Walker South to Munjor Rd. 1 W

Contractor Royal

Type Job Surface

Hole Size 12¼ | T.D. 996

Csg. 8⅝ | Depth 976

Tbg. Size | Depth

Tool | Depth

Cement Left in Csg. | Shoe Joint

Meas Line | Displace 60.8

Owner I S NE inc

To Quality Well Service, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Pickrell Exploration

Street

City | State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 450sx Common 2% Gel 3% cc

EQUIPMENT

Pumptrk 6	No.	Travis	
Bulktrk 7	No.	Mike	
Bulktrk	No.		
Pickup	No.		

JOB SERVICES & REMARKS

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Ran 8⅝ csg.

Established circulation with Mud Flush

Mixed 450sx Common 2% Gel 3% cc. Displaced with 60 8 bbls H2O

Cement did circulate

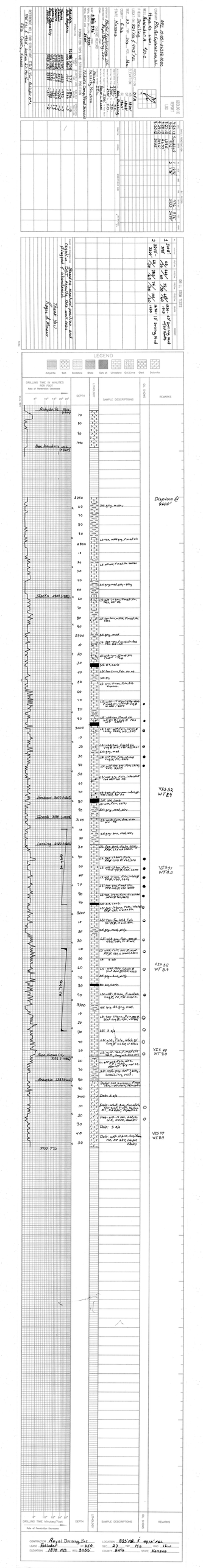
Common	450
Poz. Mix	
Gel.	8
Calcium	16
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	474
Mileage	18

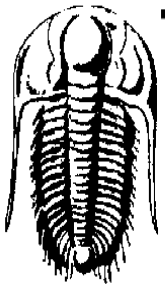
FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	8⅝ Rubber Plug 1
Pumptrk Charge	Surface
Mileage	18
Tax	
Discount	
Total Charge	

X Signature Dave Busby

Taylor Printing, Inc.





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pfeifer Exploration, LLC**

309 W 40th
Hays, KS 67601

ATTN: Roger Moses

Rohleder #27-1

27-14s-16w Ellis,KS

Start Date: 2012.09.29 @ 06:50:16

End Date: 2012.09.29 @ 12:25:01

Job Ticket #: 47875 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.02 @ 14:36:53

DRILL STEM TEST REPORT

Pfeifer Exploration, LLC

309 W 40th
Hays, KS 67601

ATTN: Roger Moses

27-14s-16w Ellis,KS

Rohleder #27-1

Job Ticket: 47875 **DST#: 1**

Test Start: 2012.09.29 @ 06:50:16

GENERAL INFORMATION:

Formation: **A-D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:06:46
Time Test Ended: 12:25:01

Test Type: Conventional Bottom Hole (Initial)
Tester: Jason McLemore
Unit No: 54

Interval: 3108.00 ft (KB) To 3192.00 ft (KB) (TVD)
Total Depth: 3192.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

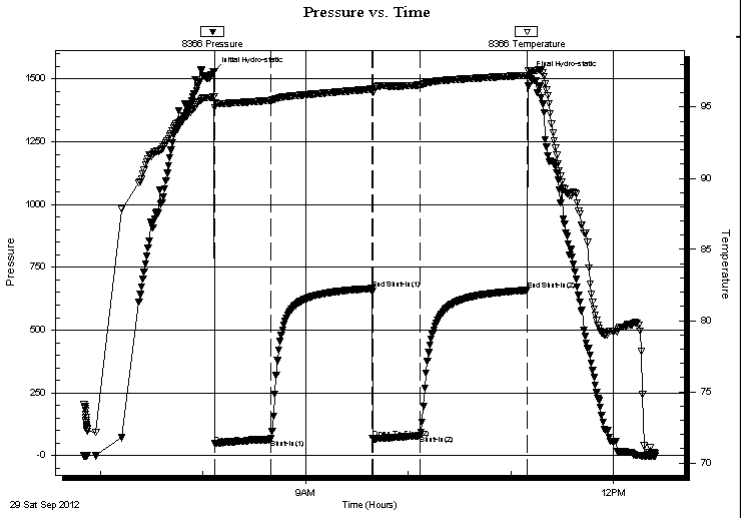
Reference Elevations: 1866.00 ft (KB)
1860.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8366 **Inside**

Press@RunDepth: 79.18 psig @ 3174.00 ft (KB)
Start Date: 2012.09.29 End Date: 2012.09.29
Start Time: 06:50:18 End Time: 12:25:01

Capacity: 8000.00 psig
Last Calib.: 2012.09.29
Time On Btm: 2012.09.29 @ 08:06:31
Time Off Btm: 2012.09.29 @ 11:10:46

TEST COMMENT: IFP-Weak Surface Blow , Dead in 5 Min.
ISI-Dead
FFP-Weak Surface Blow , Dead In 5 Min.
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1530.64	95.72	Initial Hydro-static
1	46.89	94.94	Open To Flow (1)
33	64.94	95.47	Shut-In(1)
93	665.61	96.26	End Shut-In(1)
93	68.28	96.00	Open To Flow (2)
121	79.18	96.55	Shut-In(2)
184	658.98	97.23	End Shut-In(2)
185	1514.93	97.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	Drilling Mud W/Oil Spots in Tool	0.91

Gas Rates

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

DRILL STEM TEST REPORT

Pfeifer Exploration, LLC

309 W 40th
Hays, KS 67601

ATTN: Roger Moses

27-14s-16w Ellis,KS

Rohleder #27-1

Job Ticket: 47875 **DST#: 1**

Test Start: 2012.09.29 @ 06:50:16

GENERAL INFORMATION:

Formation: **A-D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:06:46
Time Test Ended: 12:25:01

Test Type: Conventional Bottom Hole (Initial)
Tester: Jason McLemore
Unit No: 54

Interval: 3108.00 ft (KB) To 3192.00 ft (KB) (TVD)
Total Depth: 3192.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

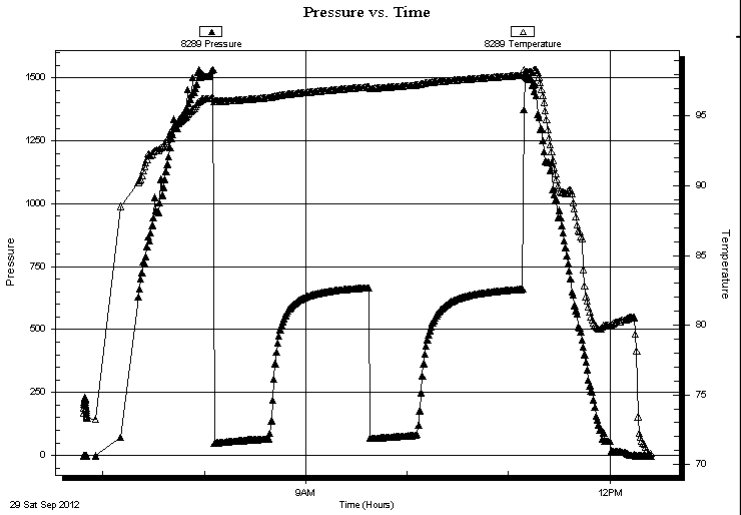
Reference Elevations: 1866.00 ft (KB)
1860.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8289 **Outside**

Press@RunDepth: psig @ 3174.00 ft (KB)
Start Date: 2012.09.29 End Date: 2012.09.29
Start Time: 06:48:42 End Time: 12:23:55

Capacity: 8000.00 psig
Last Calib.: 2012.09.29
Time On Btm:
Time Off Btm:

TEST COMMENT: IFP-Weak Surface Blow , Dead in 5 Min.
ISI-Dead
FFP-Weak Surface Blow , Dead In 5 Min.
FSI-Dead



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
65.00	Drilling Mud W/Oil Spots in Tool	0.91

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pfeifer Exploration, LLC

309 W 40th
Hays, KS 67601

ATTN: Roger Moses

27-14s-16w Ellis,KS

Rohleder #27-1

Job Ticket: 47875 **DST#: 1**

Test Start: 2012.09.29 @ 06:50:16

Tool Information

Drill Pipe:	Length:	3104.00 ft	Diameter:	3.80 inches	Volume:	43.54 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		38000.00 lb
					Total Volume:	43.54 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		24.00 ft					String Weight:	Initial	36000.00 lb
Depth to Top Packer:		3108.00 ft						Final	36000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		84.00 ft							
Tool Length:		112.00 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			3081.00		
Shut In Tool	5.00			3086.00		
Hydraulic tool	5.00			3091.00		
Jars	5.00			3096.00		
Safety Joint	2.00			3098.00		
Packer	5.00			3103.00	28.00	Bottom Of Top Packer
Packer	5.00			3108.00		
Stubb	1.00			3109.00		
Perforations	1.00			3110.00		
Change Over Sub	1.00			3111.00		
Blank Spacing	62.00			3173.00		
Change Over Sub	1.00			3174.00		
Recorder	0.00	8366	Inside	3174.00		
Recorder	0.00	8289	Outside	3174.00		
Perforations	15.00			3189.00		
Bullnose	3.00			3192.00	84.00	Bottom Packers & Anchor
Total Tool Length:	**112.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Pfeifer Exploration, LLC

309 W 40th
Hays, KS 67601

ATTN: Roger Moses

27-14s-16w Ellis,KS

Rohleder #27-1

Job Ticket: 47875 **DST#: 1**

Test Start: 2012.09.29 @ 06:50:16

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:	7.59 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2800.00 ppm				
Filter Cake:	inches				

Recovery Information

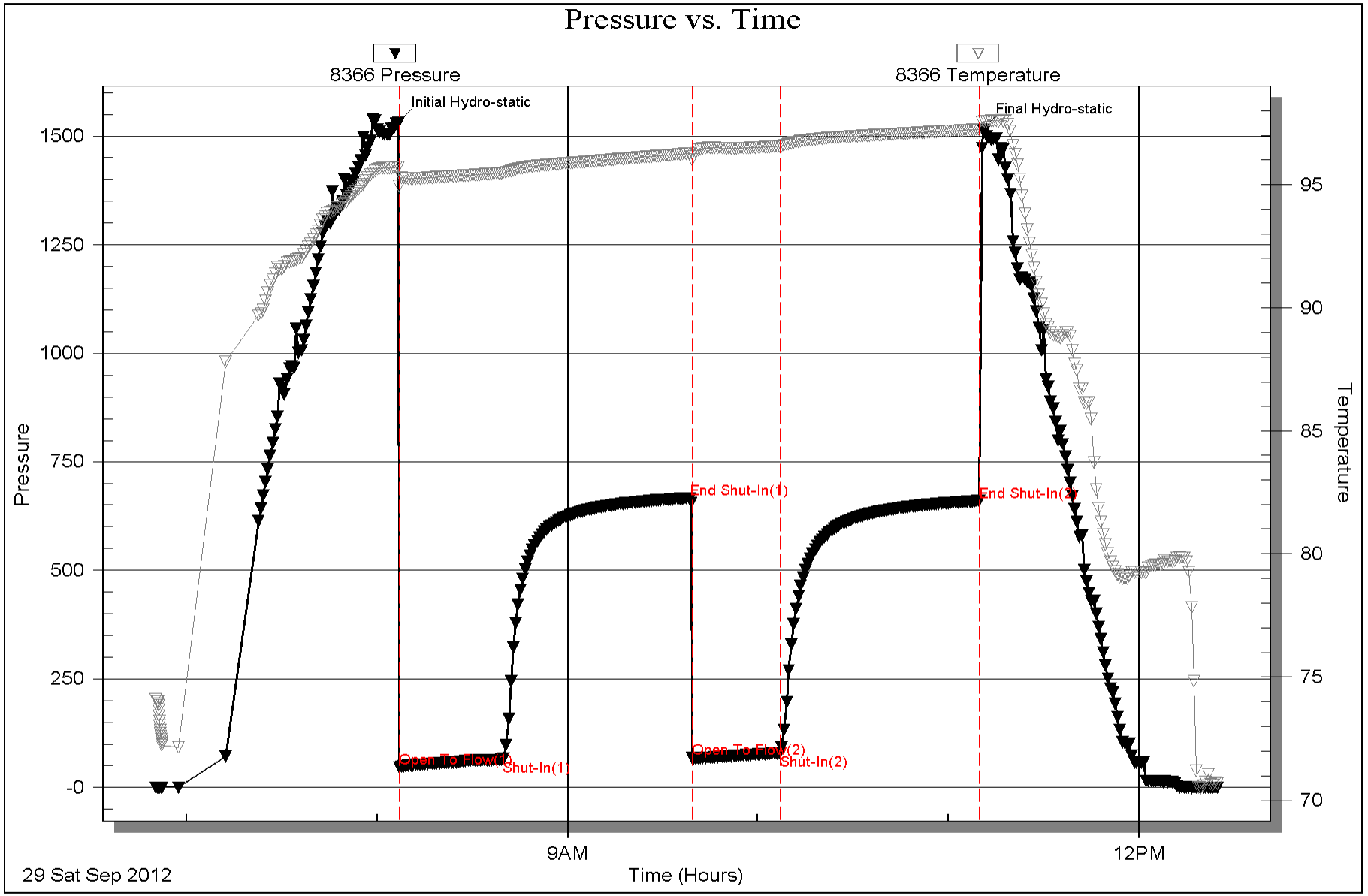
Recovery Table

Length ft	Description	Volume bbl
65.00	Drilling Mud W/Oil Spots in Tool	0.912

Total Length: 65.00 ft Total Volume: 0.912 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8366 **Inside** Pfeifer Exploration, LLC Rohleder #27-1 DST Test Number: 1



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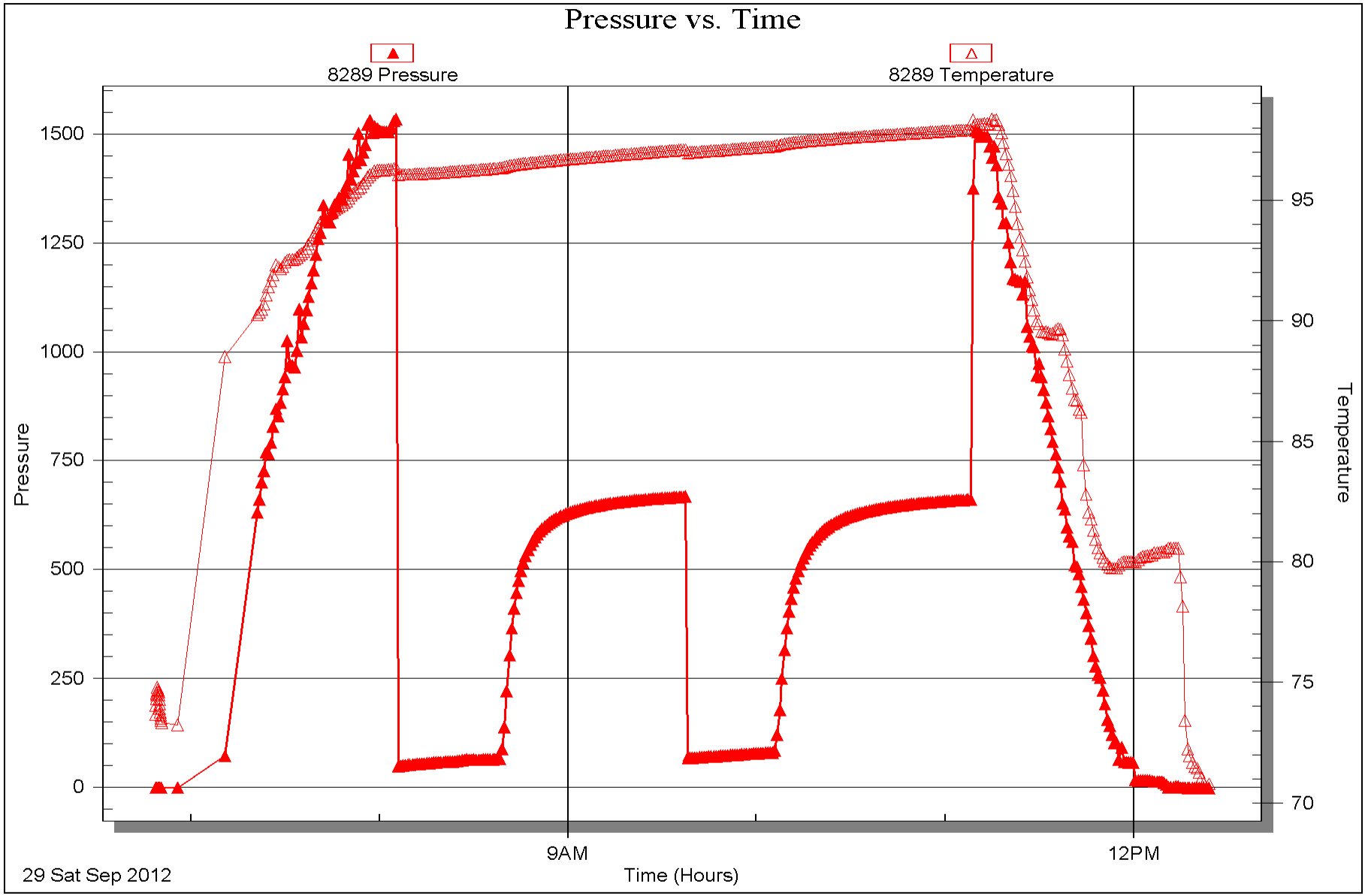
Serial #: 8289 **Outside** Pfeifer Exploration, LLC Rohleder #27-1 DST Test Number: 1



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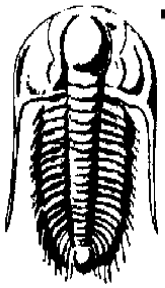


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pfeifer Exploration, LLC**

309 W 40th
Hays, KS 67601

ATTN: Roger Moses

Rohleder #27-1

27-14s-16w Ellis,KS

Start Date: 2012.09.30 @ 10:26:30

End Date: 2012.09.30 @ 16:21:51

Job Ticket #: 48701 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.10.02 @ 14:33:26

DRILL STEM TEST REPORT

Pfeifer Exploration, LLC

309 W 40th
Hays, KS 67601

ATTN: Roger Moses

27-14s-16w Ellis,KS

Rohleder #27-1

Job Ticket: 48701 **DST#: 2**

Test Start: 2012.09.30 @ 10:26:30

GENERAL INFORMATION:

Formation: **H-I-J-K**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:58:45
Time Test Ended: 16:21:51

Test Type: Conventional Straddle (Reset)
Tester: Jason McLemore
Unit No: 54

Interval: 3240.00 ft (KB) To 3329.00 ft (KB) (TVD)
Total Depth: 3454.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

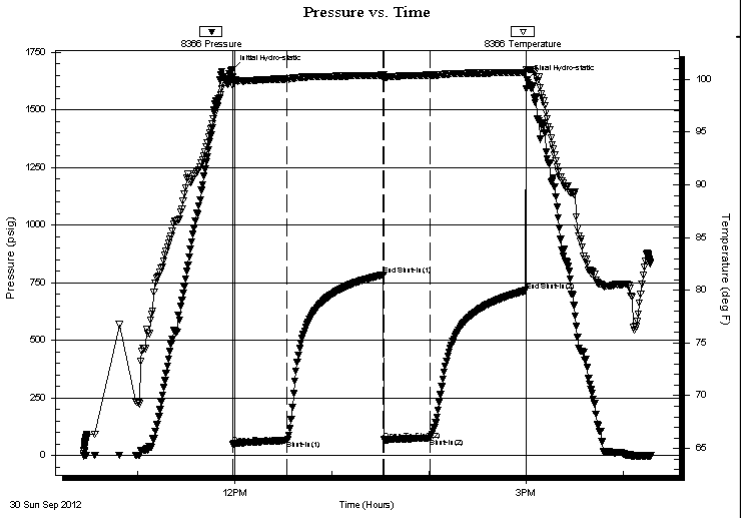
Reference Elevations: 1866.00 ft (KB)
1860.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8366 **Inside**

Press@RunDepth: 75.63 psig @ 3305.00 ft (KB)
Start Date: 2012.09.30 End Date: 2012.09.30
Start Time: 10:26:32 End Time: 16:21:51

Capacity: 8000.00 psig
Last Calib.: 2012.09.30
Time On Btm: 2012.09.30 @ 11:58:30
Time Off Btm: 2012.09.30 @ 15:00:30

TEST COMMENT: IFP-Weak Surface Blow , Died in 5 Min.
ISI-Dead
FFP-Dead
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1675.79	100.22	Initial Hydro-static
1	50.11	99.37	Open To Flow (1)
34	65.96	100.03	Shut-In(1)
94	784.99	100.40	End Shut-In(1)
94	67.66	99.97	Open To Flow (2)
122	75.63	100.38	Shut-In(2)
182	716.34	100.66	End Shut-In(2)
182	1630.10	100.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling Mud	0.14

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Pfeifer Exploration, LLC

309 W 40th
Hays, KS 67601

ATTN: Roger Moses

27-14s-16w Ellis,KS

Rohleder #27-1

Job Ticket: 48701 **DST#: 2**

Test Start: 2012.09.30 @ 10:26:30

GENERAL INFORMATION:

Formation: **H-I-J-K**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:58:45
Time Test Ended: 16:21:51

Test Type: Conventional Straddle (Reset)
Tester: Jason McLemore
Unit No: 54

Interval: 3240.00 ft (KB) To 3329.00 ft (KB) (TVD)
Total Depth: 3454.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

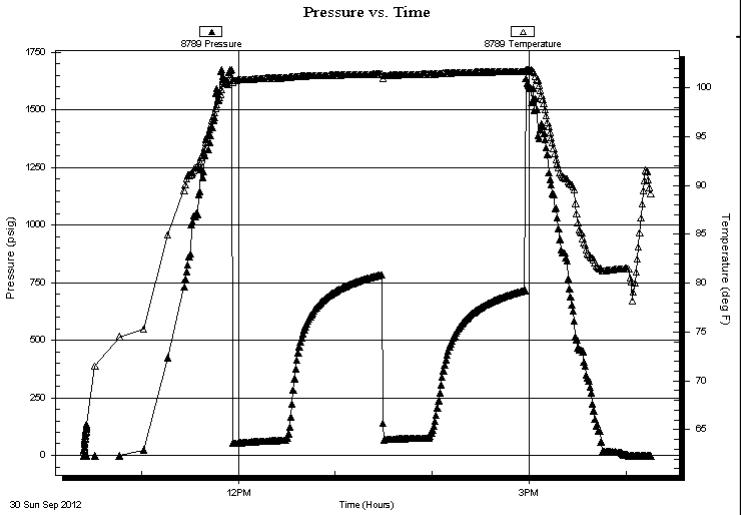
Reference Elevations: 1866.00 ft (KB)
1860.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8789 **Outside**

Press@RunDepth: psig @ 3305.00 ft (KB)
Start Date: 2012.09.30 End Date: 2012.09.30
Start Time: 10:24:14 End Time: 16:15:42

Capacity: 8000.00 psig
Last Calib.: 2012.09.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IFP-Weak Surface Blow , Died in 5 Min.
ISI-Dead
FFP-Dead
FSI-Dead



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling Mud	0.14

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Pfeifer Exploration, LLC

309 W 40th
Hays, KS 67601

ATTN: Roger Moses

27-14s-16w Ellis,KS

Rohleder #27-1

Job Ticket: 48701 **DST#: 2**

Test Start: 2012.09.30 @ 10:26:30

GENERAL INFORMATION:

Formation: **H-I-J-K**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:58:45
Time Test Ended: 16:21:51

Test Type: Conventional Straddle (Reset)
Tester: Jason McLemore
Unit No: 54

Interval: 3240.00 ft (KB) To 3329.00 ft (KB) (TVD)
Total Depth: 3454.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

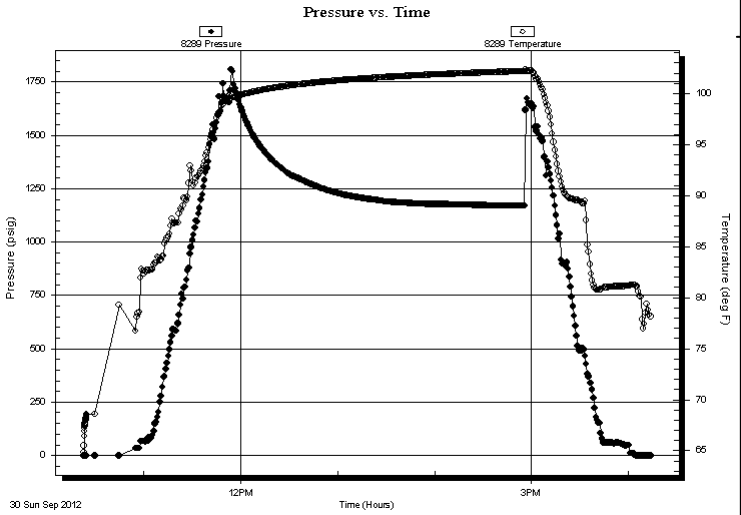
Reference Elevations: 1866.00 ft (KB)
1860.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8289 **Below (Straddle)**

Press@RunDepth: psig @ 3332.00 ft (KB)
Start Date: 2012.09.30 End Date: 2012.09.30
Start Time: 10:22:41 End Time: 16:13:54

Capacity: 8000.00 psig
Last Calib.: 2012.09.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IFP-Weak Surface Blow , Died in 5 Min.
ISI-Dead
FFP-Dead
FSI-Dead



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling Mud	0.14

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pfeifer Exploration, LLC

309 W 40th
Hays, KS 67601

ATTN: Roger Moses

27-14s-16w Ellis,KS

Rohleder #27-1

Job Ticket: 48701 **DST#: 2**

Test Start: 2012.09.30 @ 10:26:30

Tool Information

Drill Pipe:	Length:	3232.00 ft	Diameter:	3.80 inches	Volume:	45.34 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
					Total Volume:	45.34 bbl	

Drill Pipe Above KB:	20.00 ft
Depth to Top Packer:	3240.00 ft
Depth to Bottom Packer:	3329.00 ft
Interval between Packers:	89.00 ft
Tool Length:	243.00 ft
Number of Packers:	3 Diameter: 6.75 inches

Tool Weight:	2000.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	40000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	36000.00 lb
Final	36000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Recorder	0.00	6755	Fluid	3212.00		
Change Over Sub	1.00			3213.00		
Shut In Tool	5.00			3218.00		
Hydraulic tool	5.00			3223.00		
Jars	5.00			3228.00		
Safety Joint	2.00			3230.00		
Packer	5.00			3235.00	28.00	Bottom Of Top Packer
Packer	5.00			3240.00		
Stubb	1.00			3241.00		
Change Over Sub	1.00			3242.00		
Blank Spacing	62.00			3304.00		
Change Over Sub	1.00			3305.00		
Recorder	0.00	8366	Inside	3305.00		
Recorder	0.00	8789	Outside	3305.00		
Perforations	20.00			3325.00		
Blank Off Sub	1.00			3326.00		
Blank Spacing	3.00			3329.00	89.00	Tool Interval
Packer	1.00			3330.00		
Perforations	1.00			3331.00		
Change Over Sub	1.00			3332.00		
Recorder	0.00	8289	Below	3332.00		
Blank Spacing	123.00			3455.00	126.00	Bottom Packers & Anchor
Total Tool Length:	**243.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Pfeifer Exploration, LLC

309 W 40th
Hays, KS 67601

ATTN: Roger Moses

27-14s-16w Ellis,KS

Rohleder #27-1

Job Ticket: 48701 **DST#: 2**

Test Start: 2012.09.30 @ 10:26:30

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:	7.58 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2800.00 ppm				
Filter Cake:	inches				

Recovery Information

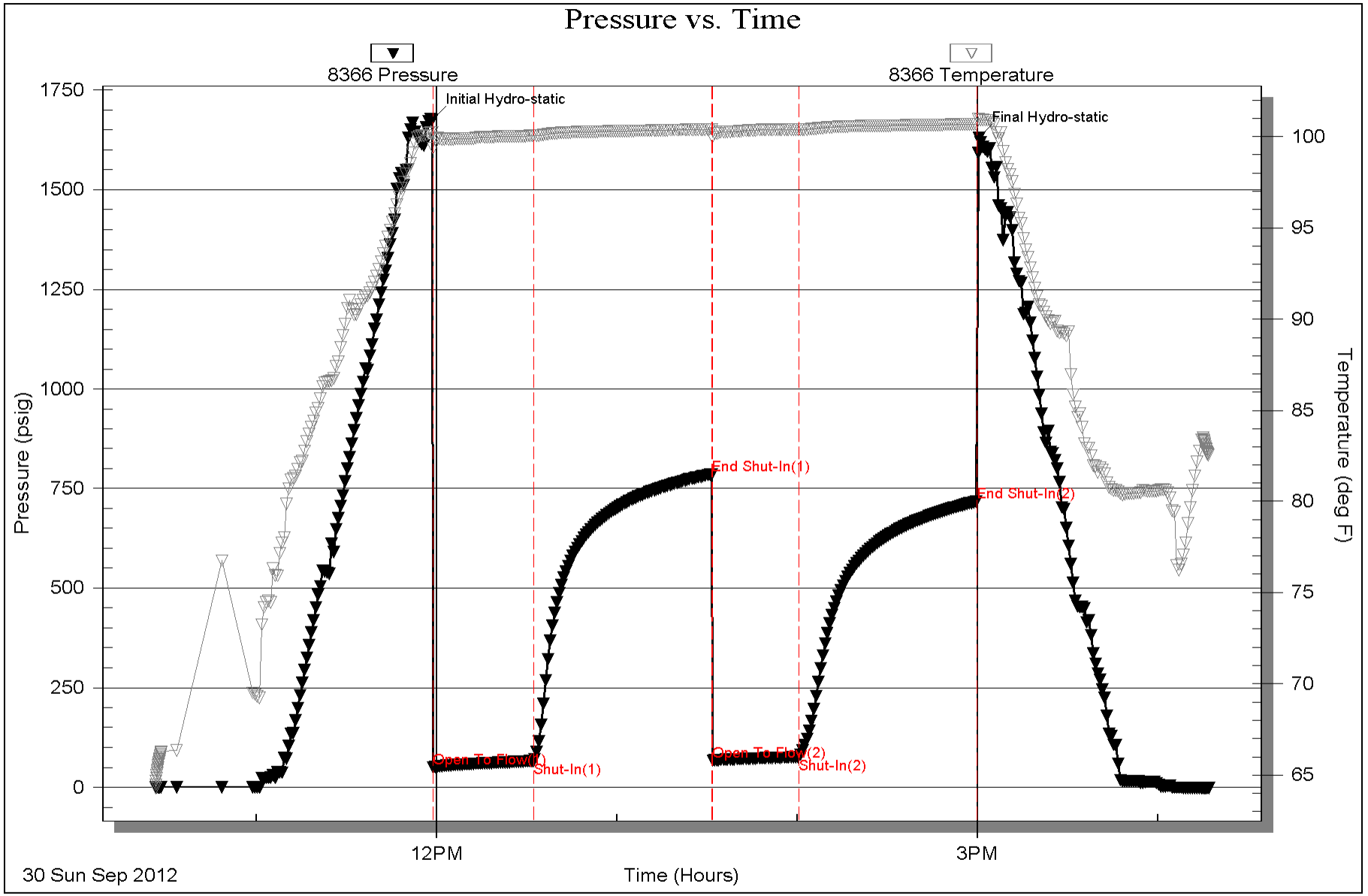
Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling Mud	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

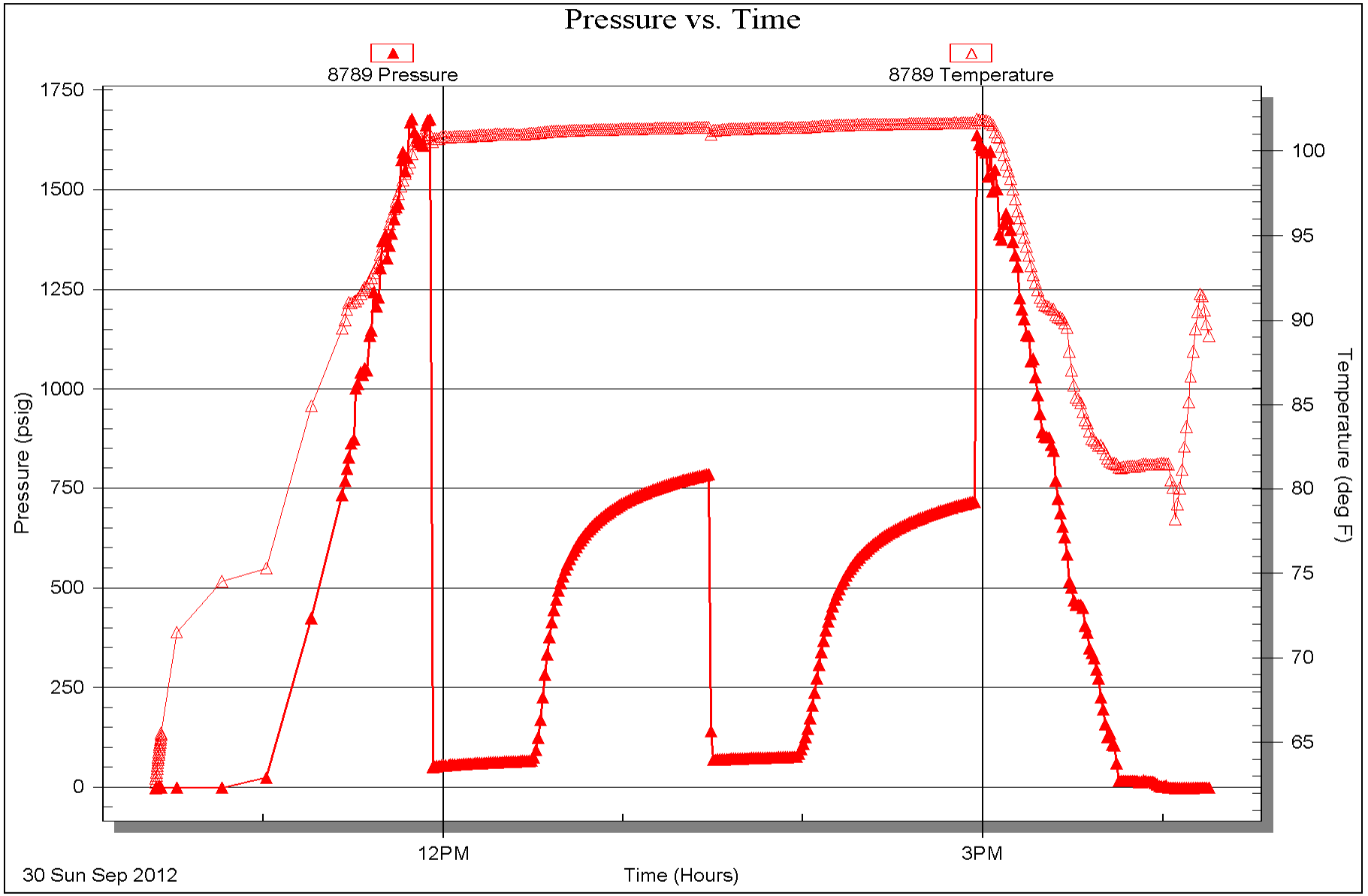
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8366 **Inside** Pfeifer Exploration, LLC Rohleder #27-1 DST Test Number: 2



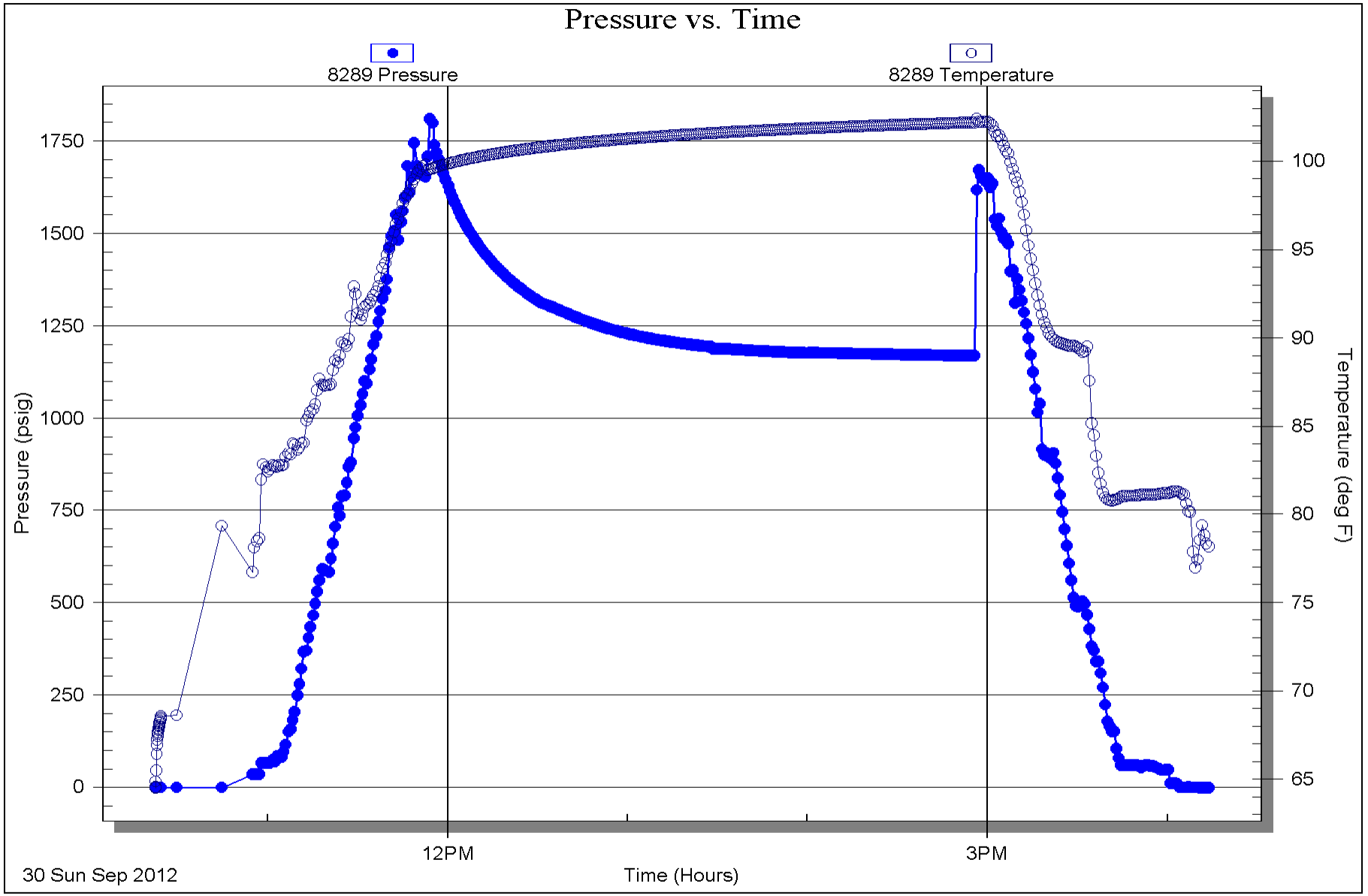
Trilobite Testing, Inc Ref. No: 48701 Printed: 2012.10.02 @ 14:33:31

Serial #: 8789 **Outside** Pfeifer Exploration, LLC Rohleder #27-1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 48701 Printed: 2012.10.02 @ 14:33:32

Serial #: 8289 Below (Straddle) Ridge Exploration, LLC Rohleder #27-1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 48701 Printed: 2012.10.02 @ 14:33:32

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

4/10

Test Ticket

NO. 47875

Well Name & No. Rohleder #27-1 Test No. 1 Date 9-29-12

Company Pfeifer Explorations, LLC Elevation 1866 KB 1860 GL

Address 309 W. 40th, Hays, KS. 67601

Co. Rep / Geo. Roger Moses Rig Royal Drilling #1

Location: Sec. 27 Twp. 14s Rge. 16w Co. Ellis State Ks

Interval Tested 3108 - 3192 Zone Tested A-D

Anchor Length 84' Drill Pipe Run 3104 Mud Wt. 8.6

Top Packer Depth 3103 Drill Collars Run 0 Vis 60

Bottom Packer Depth 3108 Wt. Pipe Run 0 WL 7.6

Total Depth 3192 Chlorides 2800 ppm System LCM 2 #

Blow Description IFP - Weak surface Blow, Dead in 5 min

ISI - Dead

FFP - Weak Surface Blow, Dead in 5 min.

FSI - Dead

Rec 65	Feet of Drilling Mud (Oil spots in Tool)	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 65 BHT 97° Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic 1531	☑ Test 1150	T-On Location 5:35	
(B) First Initial Flow 47	☑ Jars 250	T-Started 6:48	
(C) First Final Flow 65	☑ Safety Joint 75	T-Open 8:04	
(D) Initial Shut-In 666	☐ Circ Sub	T-Pulled 11:04	
(E) Second Initial Flow 68	☐ Hourly Standby	T-Out 12:23	
(F) Second Final Flow 79	☑ Mileage 35 rt 54.25	Comments	
(G) Final Shut-In 659	☐ Sampler		
(H) Final Hydrostatic 1515	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 30	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 60	☐ Extra Recorder	Sub Total 0	
Final Flow 30	☐ Day Standby	Total 1529.25	
Final Shut-In 60	☐ Accessibility	MP/DST Disc't	
	Sub Total 1529.25		

Approved By ____ Our Representative Jason M. Lamon

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

4/10

Test Ticket

NO. 48701

Well Name & No. Rohleder #27-1 Test No. 2 Date 9-30-12

Company Pfeifer Exploration, LLC Elevation 1866 KB 1860 GL

Address 309 W. 40th, Hays, KS. 67601

Co. Rep / Geo. Roger Moses Rig Royal Drilling #1

Location: Sec. 27 Twp. 14s Rge. 16w Co. Ellis State KS

Interval Tested 3240-3329 Zone Tested H-I-J-K

Anchor Length 89' Drill Pipe Run Mud Wt. 8.6

Top Packer Depth 3235 Drill Collars Run 0 Vis 60

Bottom Packer Depth 3240 - straddle @ 3329 Wt. Pipe Run 0 WL 7.6

Total Depth 3454 Chlorides 2800 ppm System LCM 2#

Blow Description IFP - Weak Surface Blow, Died in 5 min.

ISI - Dead

FFP - Dead

FSI - Dead

Rec 10'	Feet of Drilling Mud	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10' BHT Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 1676	■ Test 1150	T-On Location 10:08	
(B) First Initial Flow 50	■ Jars 250	T-Started 10:22	
(C) First Final Flow 66	■ Safety Joint 75	T-Open 11:55	
(D) Initial Shut-In 785	☐ Circ Sub	T-Pulled 14:55	
(E) Second Initial Flow 68	☐ Hourly Standby	T-Out 16:14	
(F) Second Final Flow 76	■ Mileage 54.25	Comments	
(G) Final Shut-In 716	☐ Sampler		
(H) Final Hydrostatic 1630	■ Straddle 600	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 30	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 60	☐ Extra Recorder	Sub Total 0	
Final Flow 30	☐ Day Standby	Total 2129.25	
Final Shut-In 60	☐ Accessibility	MP/DST Disc't	
	Sub Total 2129.25	Thank You	

Approved By Our Representative Jason McLemore

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