



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1088939  
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: \_\_\_\_\_

1088939

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

<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> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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# QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

5498

Home Office 324 Simpson St., Pratt, KS 67124

Todd's Cell 620-388-5422  
Office / Fax 620-672-3663

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

Date	7-13-12	Sec.	4	Twp.	15	Range	15	County	RS	State	KS	On Location		Finish		
Lease	TRUAN		Well No.	4-1		Location - BALTA RD 63 2E 13 E NORTH										
Contractor	PFEIFER EXP. INTEGRITY							Owner	INTO							
Type Job	PLUG							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.								
Hole Size	7 7/8		T.D.													
Csg.			Depth													
Tbg. Size			Depth													
Tool			Depth	3300'		Street										
Cement Left in Csg.			Shoe Joint													
Meas Line			Displace													
										Cement Amount Ordered		230 60/40 4% 1/4 cell				

### EQUIPMENT

Pumptrk	No.	DAVID BRADY	Common	140
Bulktrk	No.	SEAN	Poz. Mix	90
Bulktrk	No.		Gel.	8
Pickup	No.	MARIN	Calcium	

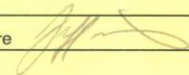
### JOB SERVICES & REMARKS

Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal 57.50
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
	CFL-117 or CD110 CAF 38
	Sand
FIRST Plug 3300' WITH 25 SKS 60/40 4% 1/4 cell	Handling 238
	Mileage 17

### FLOAT EQUIPMENT

2 <sup>nd</sup> Plug 900' WITH 25 SKS 60/40 4% 1/4 cell	Guide Shoe
	Centralizer
	Baskets
3 <sup>rd</sup> Plug 360' WITH 140 SKS 60/40 4% 1/4 cell	AFU Inserts
	Float Shoe
	Latch Down
4 <sup>th</sup> Plug 40' WITH 10 SKS 60/40 4% 1/4 cell	

RAT HOLO 30 SKS 60/40 4% 1/4 cell	Pumptrk Charge	Rotary Plug
	Mileage	17
		Tax
		Discount
		Total Charge

X Signature 



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Pfeifer Exploration LLC

**4-15s-15w Russell**

309 W 40TH  
Hays KS, 67601

**Truan 4-1**

Job Ticket: 47760

**DST#: 1**

ATTN: Roger

Test Start: 2012.07.12 @ 16:10:00

## GENERAL INFORMATION:

Formation: **I,J**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:24:00  
 Time Test Ended: 23:54:30  
 Interval: **3214.00 ft (KB) To 3275.00 ft (KB) (TVD)**  
 Total Depth: 3400.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Straddle (Initial)  
 Tester: Cody Bloedorn  
 Unit No: 39  
 Reference Elevations: 1834.00 ft (KB)  
 1828.00 ft (CF)  
 KB to GR/CF: 6.00 ft

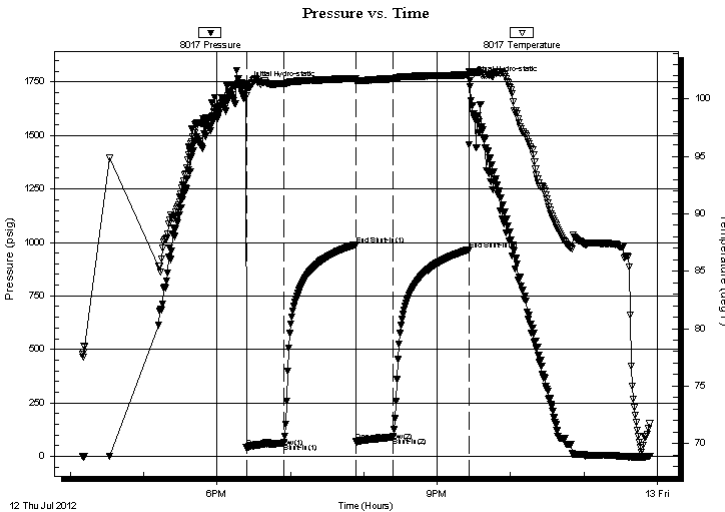
## Serial #: 8017

Inside

Press @ Run Depth: 89.94 psig @ 3251.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.07.12 End Date: 2012.07.12 Last Calib.: 2012.07.13  
 Start Time: 16:10:05 End Time: 23:54:29 Time On Btm: 2012.07.12 @ 18:23:50  
 Time Off Btm: 2012.07.12 @ 21:27:00

TEST COMMENT: 30 - IF- 3" Blow  
 60 - IS- No blow back  
 30 - FF- 3" Blow  
 60 - FS- Surface blow back for 8 Min. then died.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1731.21	101.35	Initial Hydro-static
1	40.17	100.29	Open To Flow (1)
31	62.31	101.33	Shut-In(1)
90	989.08	101.80	End Shut-In(1)
90	70.48	101.49	Open To Flow (2)
120	89.94	101.76	Shut-In(2)
183	964.46	102.11	End Shut-In(2)
184	1757.87	102.36	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	VSOCWM, 5%O, 40%W, 60%M	1.68
4.00	Free Oil	0.06

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Pfeifer Exploration LLC

**4-15s-15w Russell**

309 W 40TH  
Hays KS, 67601

**Truan 4-1**

Job Ticket: 47760

**DST#: 1**

ATTN: Roger

Test Start: 2012.07.12 @ 16:10:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	VSOCWM, 5%O, 40%W, 60%M	1.683
4.00	Free Oil	0.056

Total Length: 124.00 ft      Total Volume: 1.739 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

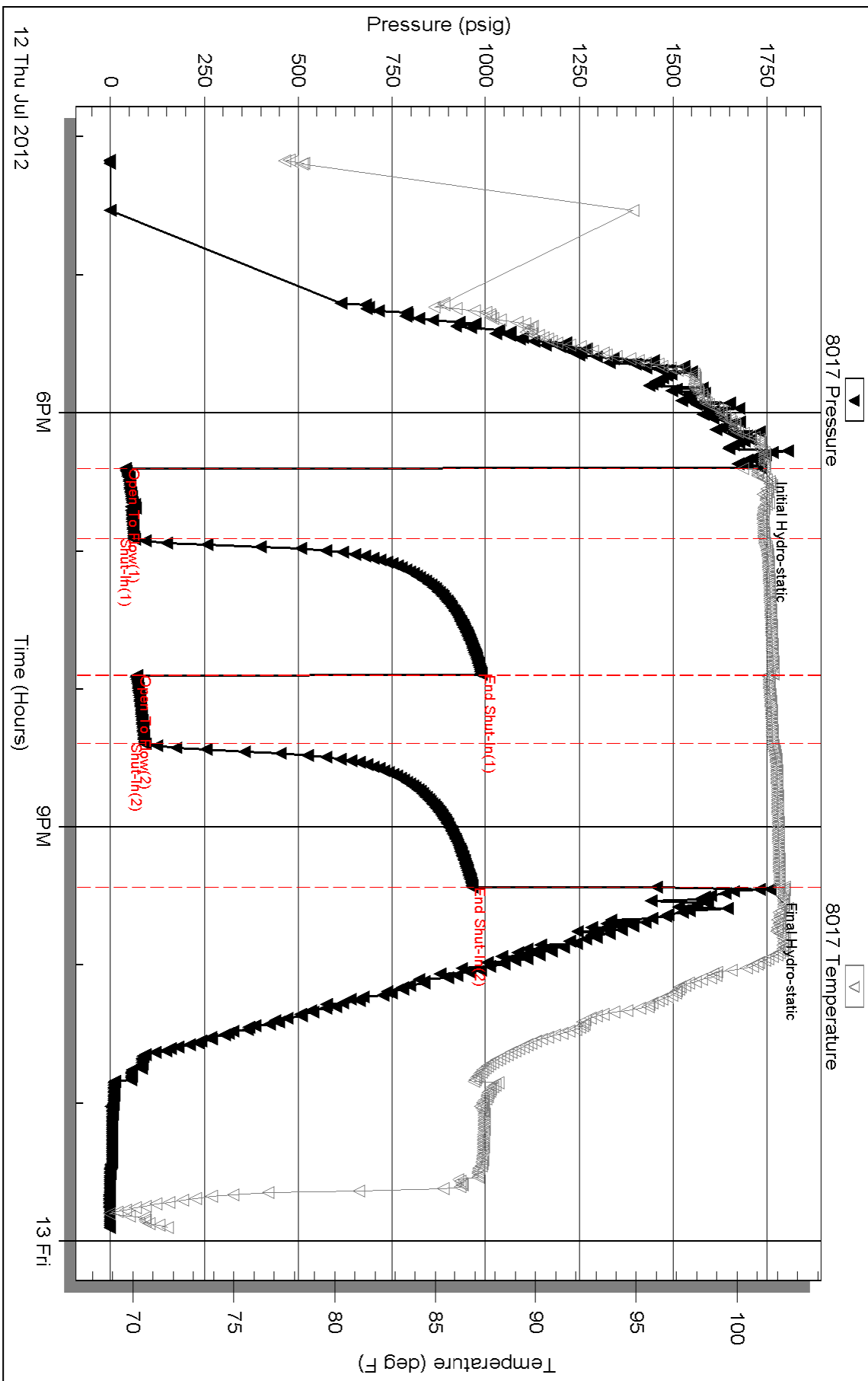
Serial #:

Laboratory Name:

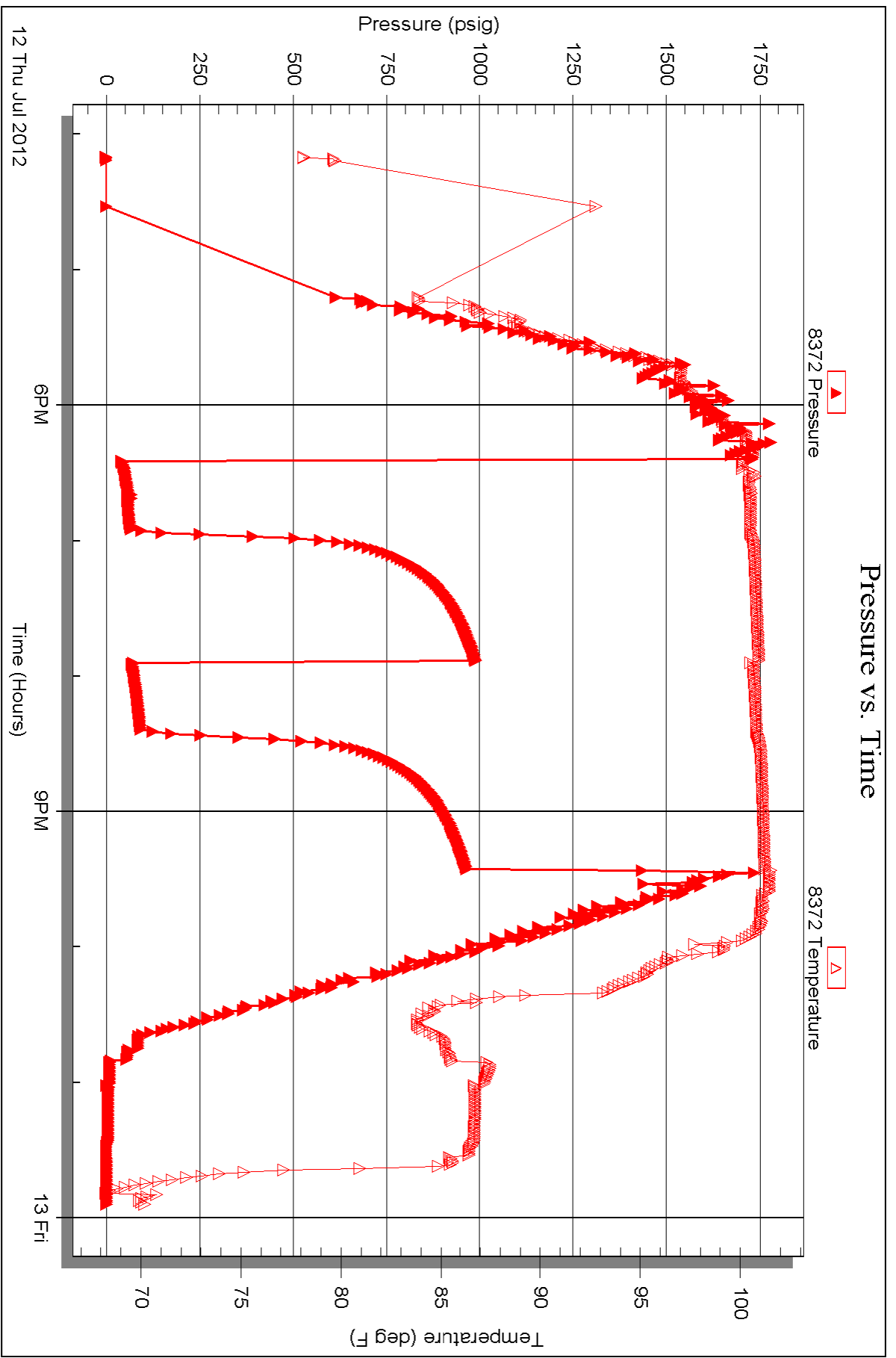
Laboratory Location:

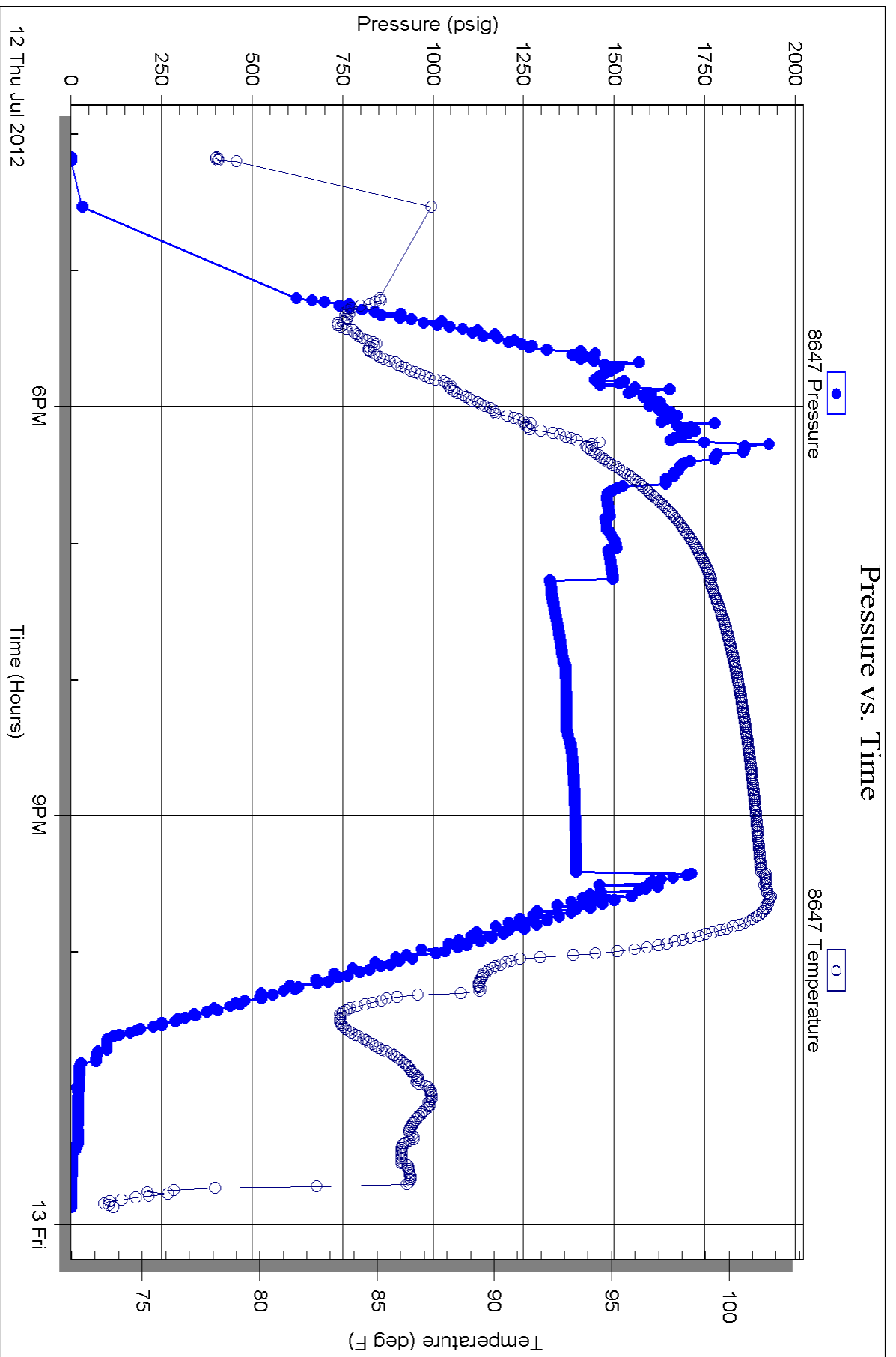
Recovery Comments:

### Pressure vs. Time











**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Pfeifer Exploration LLC

**4-15s-15w Russell**

309 W 40TH  
Hays KS, 67601

**Truan 4-1**

Job Ticket: 47761

**DST#: 2**

ATTN: Roger

Test Start: 2012.07.13 @ 04:54:00

## GENERAL INFORMATION:

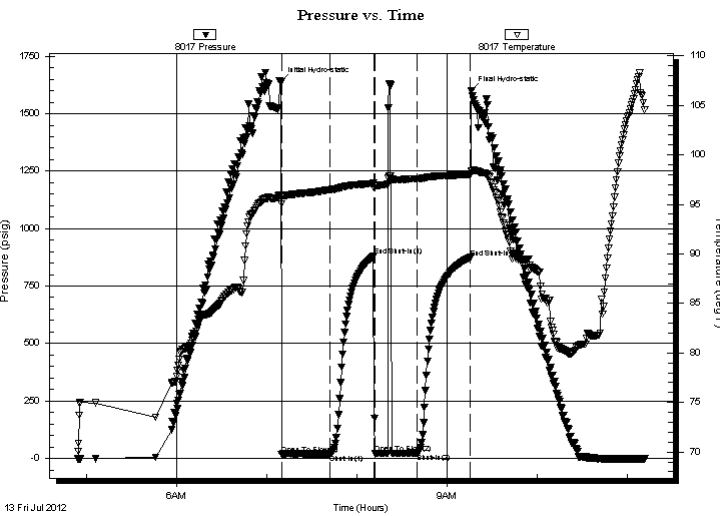
Formation: **G**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Straddle (Reset)  
 Time Tool Opened: 07:09:50  
 Tester: Cody Bloedorn  
 Time Test Ended: 11:11:50  
 Unit No: 39  
 Interval: **3151.00 ft (KB) To 3175.00 ft (KB) (TVD)**  
 Reference Elevations: 1834.00 ft (KB)  
 Total Depth: 3400.00 ft (KB) (TVD)  
 1828.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Fair  
 KB to GR/CF: 6.00 ft

## Serial #: 8017

Inside

Press @ RunDepth: 23.64 psig @ 3152.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.07.13 End Date: 2012.07.13 Last Calib.: 2012.07.13  
 Start Time: 04:54:05 End Time: 11:11:50 Time On Btm: 2012.07.13 @ 07:09:40  
 Time Off Btm: 2012.07.13 @ 09:16:30

**TEST COMMENT:** 30 - IF- Surface blow , died in 5 Min.  
 30 - IS- No blow back  
 30 - FF- No blow for 10 Min, flushed tool, surged and died  
 30 - FS- No blow back.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1637.57	95.97	Initial Hydro-static
1	17.60	95.07	Open To Flow (1)
33	19.71	96.48	Shut-In(1)
62	880.01	97.11	End Shut-In(1)
63	20.12	96.85	Open To Flow (2)
91	23.64	97.59	Shut-In(2)
127	874.33	98.03	End Shut-In(2)
127	1600.90	98.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud - Oil scum, 100%M	0.21

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Pfeifer Exploration LLC

**4-15s-15w Russell**

309 W 40TH  
Hays KS, 67601

**Truan 4-1**

Job Ticket: 47761

**DST#: 2**

ATTN: Roger

Test Start: 2012.07.13 @ 04:54:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud - Oil scum, 100%M	0.210

Total Length: 15.00 ft      Total Volume: 0.210 bbl

Num Fluid Samples: 0

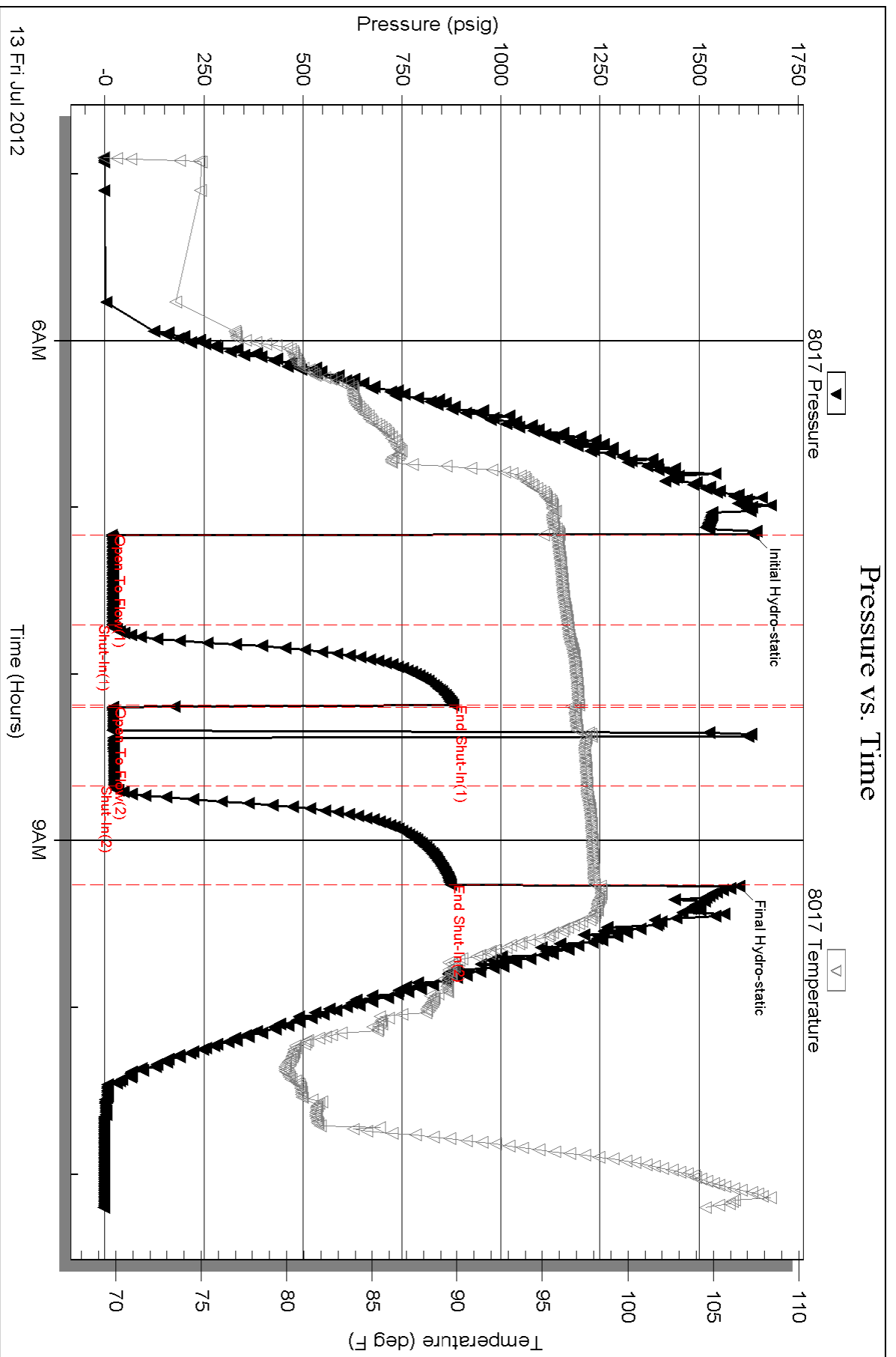
Num Gas Bombs: 0

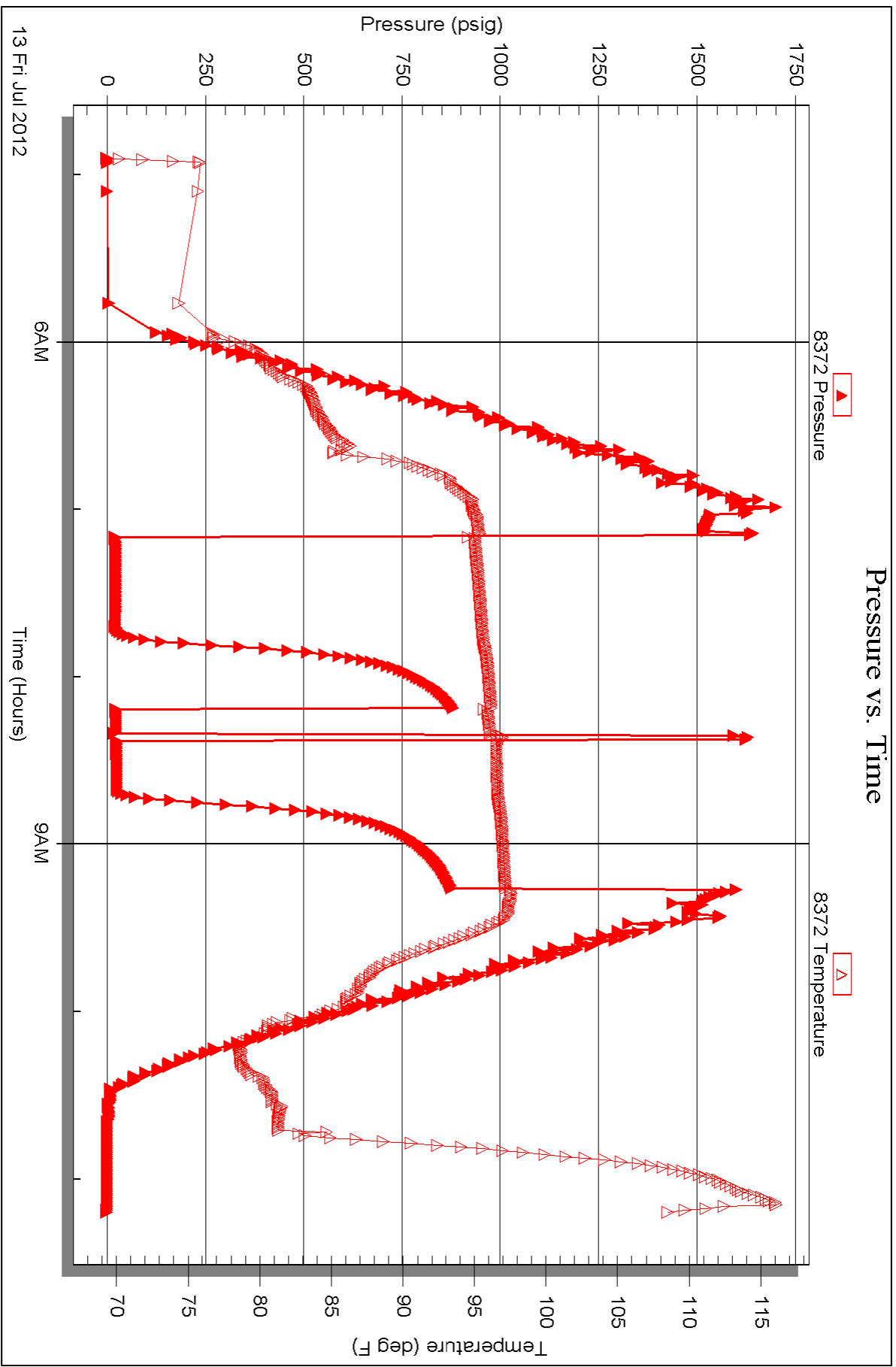
Serial #:

Laboratory Name:

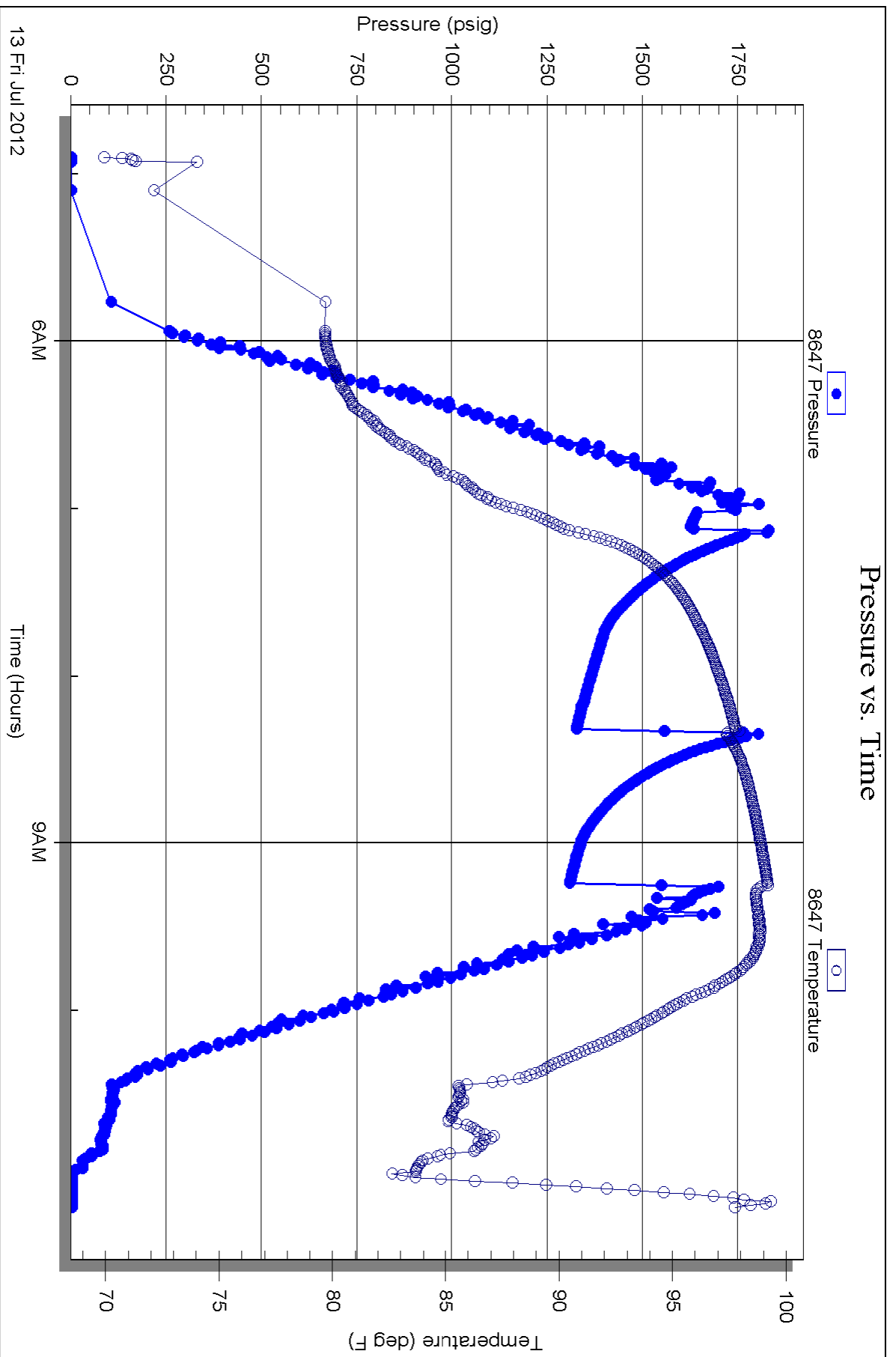
Laboratory Location:

Recovery Comments:









REPORT LOG

WELL ID: 660' ESE 3960' EEL  
 LOCATION: 660' ESE 3960' EEL  
 SEC: 4 TWP: 15S RNG: 15W  
 COUNTY: Russell STATE: Kansas

PRODUCTION: 1845  
 ELEVATION: 3400'

OPERATOR: Integrity Drilling Co., LLC  
 CONTRACT NO: 217000  
 DATE: 12/15/2015

WELL: Juan #4-1  
 COMPANY: Pacific Explorations, LLC  
 Hays, KS, 67901

FORMATION TOPS AND STRUCTURAL POSITIONS

FORMATION	STRUCT. POS.	ELECTRIC LOG	SURF. SEA	STRUCTURAL POSITION
Base Anhydrite	897 (494)	810	810	+
Topok	259 (669)	715	715	+
Topoka	2784 (638)	638	638	+
Harvard	301 (114)	114	114	+
Tanonto	3029 (118)	118	118	+
Lansing	3065 (122)	122	122	+
Base Kansas City	3306 (146)	146	146	+
Arbuckle	3350 (150)	150	150	+

FORMATION TOPS AND STRUCTURAL POSITIONS (continued)

FORMATION	STRUCT. POS.	ELECTRIC LOG	SURF. SEA	STRUCTURAL POSITION
Topok	259 (669)	715	715	+
Topoka	2784 (638)	638	638	+
Harvard	301 (114)	114	114	+
Tanonto	3029 (118)	118	118	+
Lansing	3065 (122)	122	122	+
Base Kansas City	3306 (146)	146	146	+
Arbuckle	3350 (150)	150	150	+

REFERENCE WELL FOR STRUCTURE: Austin Drilling Company  
 Divided at 15, 1200 feet, section 5.15-15W  
 Russell County, Kansas

DAILY PENETRATION

DATE	DEPTH	TIME	REMARKS
7-7-10	Squashed		
7-8-10	22.5'		
7-9-10	1.6.5'		
7-10-10	22.55'		
7-11-10	3.100'		
7-12-10	3.100'		
7-13-10	Plugged		

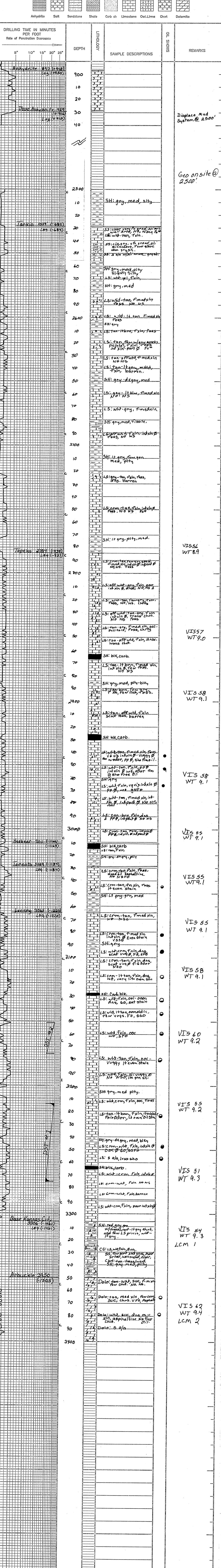
DRILL STEEL TESTS

NO.	DEPTH	TYPE	REMARKS
1	3214'	62'	989'
2	3175'	30'	880'
		30'	34'
		30'	879'
		30'	1601'

Based on less than favorable bit shows  
 DSI results, the decision was made to  
 plug & abandon this well. Especially  
 Logg. at 2500'

LEGEND

Anhydrite	Salt	Sandstone	Shale	Carb ch	Limestone	Coal/Lime	Chert	Dolomite
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CONTRACTOR: Integrity Drilling Co., LLC  
 LEASE: Juan IP: DEA  
 ELEVATION: 1845 KB RTD: 3400

LOCATION: 660' ESE 3960' EEL  
 SEC: 4 TWP: 15S RNG: 15W  
 COUNTY: Russell STATE: Kansas

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

September 25, 2012

Jacob Pfeifer  
Pfeifer Explorations, LLC  
309 W. 40TH  
HAYS, KS 67601

Re: ACO1  
API 15-167-23811-00-00  
Truan 4-1  
SW/4 Sec.04-15S-15W  
Russell County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Jacob Pfeifer