KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1098274

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:

- [x] New Well [ ] Re-Entry [ ] Workover
- [ ] Oil [ ] WSW [ ] SWD [ ] SIOW
- [ ] Gas [x] 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 #:

10/01/2012	10/06/2012	10/06/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-167-23822-00-00
Spot Description:
SW SW NE SW Sec. 4 Twp. 15 S. R. 15 [ ] East [x] West
1325 Feet from [ ] North / [x] South Line of Section
1540 Feet from [ ] East / [x] West Line of Section
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [ ] SE [x] SW
County: Russell
Lease Name: K Truan Well #: 4-2
Field Name:
Producing Formation: NA
Elevation: Ground: 1833 Kelly Bushing: 1842
Total Depth: 3410 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 224 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 3000 ppm Fluid volume: 520 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:
- [x] Wireline Log Received
- [x] Geologist Report Received
- [ ] UIC Distribution

ALT [ ] I [x] II [ ] III Approved by: Deanna Garrison Date: 10/30/2012

Side Two

1098274

Operator Name: Pfeifer Explorations, LLC Lease Name: K Truan Well #: 4-2

Sec. 4 Twp. 15 S. R. 15 ☐ East ☑ West County: Russell

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:

Mirco Log
Dual Induction Log
Compensated Density/Neutron Log

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

Name	Top	Datum
Anhydrite	894	949
Heebner	3014	1171
Lansing	3071	1228
Base Kansas City	3294	1451
Arbuckle	3348	1505

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	224	Common	150	3% CC 2% 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

QUALITY WELL SERVICE, INC.

5724

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	Sec.	Twp.	Range	County	State	On Location	Finish
10-6-12	4	15	15	Russell	KS	8:30	12:30

Lease K - Town | Well No. 1-2 | Location Gorham, KS 6S 1E 15 ½ E Into

Contractor Royal #2

Type Job Rotary Plug

Hole Size | T.D. 3410

Csg. | Depth

Tbg. Size | Depth

Tool | Depth

Cement Left in Csg. | Shoe Joint

Meas Line | Displace

EQUIPMENT

	No.	
Pumptrk	8	Cody
Bulktrk	5	Neale
Bulktrk	No.	
Pickup	No.	

JOB SERVICES & REMARKS

Rat Hole 30sx

Mouse Hole 15sx

Centralizers

Baskets

D/V or Port Collar

1st plug @

2nd plug @ 920' = 25sx

3rd plug @ 360' = 75sx

4th plug @ 40 = 10sx and wiper plug

X Signature Doug Brady

Owner

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 Pfeifer Exploration's

Street

City State

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

Cement Amount Ordered 180sx 60/40 4% gel ¼ FS

Common	
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	
Mileage	
FLOAT EQUIPMENT	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	
Mileage	
Tax	
Discount	
Total Charge	

QUALITY WELL SERVICE, INC.

5702

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 10-1-12	Sec. 4	Twp. 15	Range 15	County Russell	State KS	On Location	Finish 7:45-8:15pm

Lease K Twan | Well No. 4-2 | Location Gorham, KS 5 6 miles E 1/2 S

Contractor Royal		Owner	
Type Job Surface		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 13¾	T.D. 224		
Csg. 8⅝	Depth 224	Charge To Pfefer Exploration	
Tbg. Size	Depth	Street	
Tool	Depth	City State	
Cement Left in Csg. 15 ft	Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.	
Meas Line	Displace 13.3	Cement Amount Ordered 150sx com 3%CC 2%gel	

EQUIPMENT					
Pumptrk	No.	3	Cody	Common 90	
Bulktrk	No.	2	Evan	Poz. Mix 60	
Bulktrk	No.			Gel. 3	
Pickup	No.			Calcium 5	

JOB SERVICES & REMARKS			
Rat Hole		Hulls	
Mouse Hole		Salt	
Centralizers		Flowseal	
Baskets		Kol-Seal	
D/V or Port Collar		Mud CLR 48	
Ran 5 jts of 8⅝ casing and landing jt		CFL-117 or CD110 CAF 38	
		Sand	
		Handling 153	
		Mileage 20	
Est Circulation with mud pump		**FLOAT EQUIPMENT**	
		Guide Shoe	
Hooked up and mixed 150sx - shut down and disp 13.3 bbl at 1120 - shut in @ 300psi		Centralizer	
		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	
Cement D.D Circulate to Surface			
		Pumptrk Charge 1 1/0 C.	
		Mileage 20	
		Tax	
		Discount	
X Signature Doug Brady		Total Charge	

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Pfeifer Explorations LLC

309 W 40th
Hays Ks 67601

ATTN: Jacob Pfeifer

4-15s-15w

K Truan 4-2

Job Ticket: 51030 **DST#: 1**

Test Start: 2012.10.04 @ 23:53:27

GENERAL INFORMATION:

Formation: **Lansing-A-D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:32:57
Time Test Ended: 06:54:57

Test Type: Conventional Bottom Hole (Initial)
Tester: Jeff Brown
Unit No: 44

Interval: 3056.00 ft (KB) To 3139.00 ft (KB) (TVD)
Total Depth: 3139.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

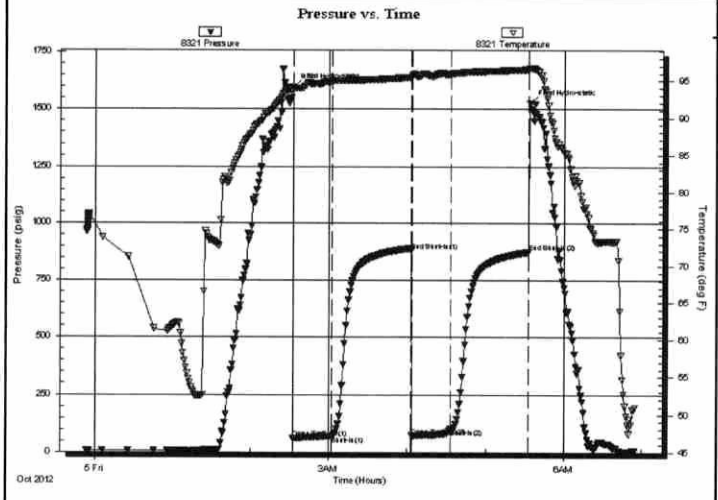
Reference Elevations: 1842.00 ft (KB)
1834.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8321 **Inside**

Press@RunDepth: 102.52 psig @ 3124.00 ft (KB)
Start Date: 2012.10.04 End Date: 2012.10.05
Start Time: 23:53:28 End Time: 06:54:57

Capacity: 8000.00 psig
Last Calib.: 2012.10.05
Time On Btm: 2012.10.05 @ 02:32:27
Time Off Btm: 2012.10.05 @ 05:33:57

TEST COMMENT: IFP=Weak blow built to 2 3/4 in
ISI=Dead no blow back
FFP=Weak blow built to 1 in
FSI=Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1596.91	94.16	Initial Hydro-static
1	60.87	94.02	Open To Flow (1)
30	69.89	94.95	Shut-In(1)
91	881.19	95.47	End Shut-In(1)
91	71.84	95.60	Open To Flow (2)
121	102.52	95.91	Shut-In(2)
181	873.94	96.54	End Shut-In(2)
182	1525.92	96.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
33.00	Mud	0.46

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Pfeifer Explorations LLC

309 W 40th
Hays Ks 67601

ATTN: Jacob Pfeifer

4-15s-15w

K Truan 4-2

Job Ticket: 51030 **DST#: 1**

Test Start: 2012.10.04 @ 23:53:27

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.20 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
33.00	Mud	0.463

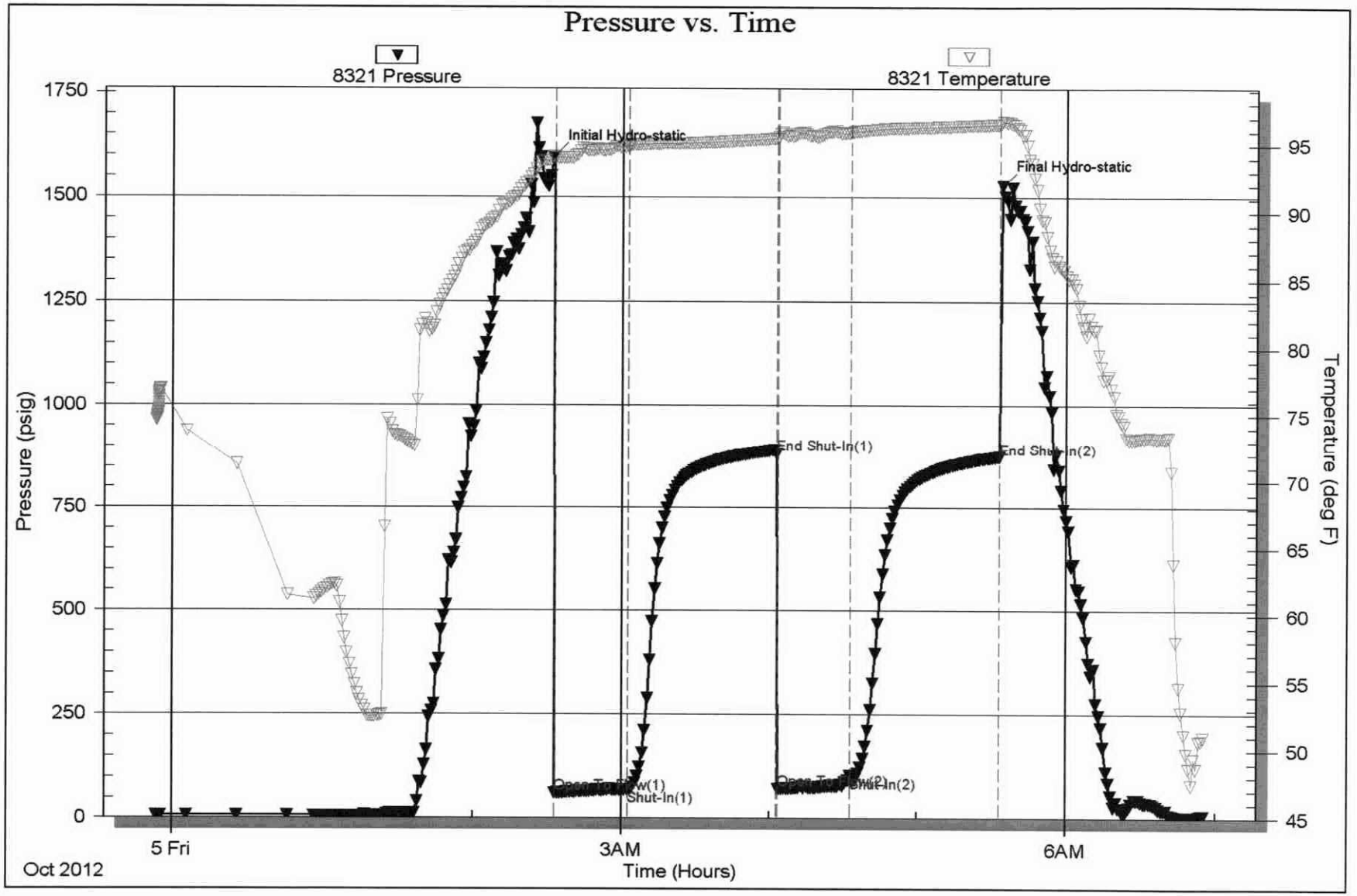
Total Length: 33.00 ft Total Volume: 0.463 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8321 **Inside** Pfeifer Explorations LLC K Truan 4-2 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 51030 Printed: 2012.10.05 @ 07:15:10