



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 # _____

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
- ☐ Conv. to GSW
- ☐ Plug Back: _____ Plug Back Total Depth _____
- ☐ Commingled Permit #: _____
- ☐ Dual Completion Permit #: _____
- ☐ SWD Permit #: _____
- ☐ ENHR Permit #: _____
- ☐ GSW Permit #: _____

Spud Date or
Recompletion Date

Date Reached TD

Completion Date or
Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

☐ Letter of Confidentiality Received

Date: _____

☐ Confidential Release Date: _____

☐ Wireline Log Received

☐ Geologist Report Received

☐ UIC Distribution

ALT ☐ I ☐ II ☐ III Approved by: _____ Date: _____



1098274

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ ☐ East ☐ West County: _____

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 <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey ☐ Yes ☐ No Cores Taken ☐ Yes ☐ No Electric Log Run ☐ Yes ☐ No Electric Log Submitted Electronically ☐ Yes ☐ No <i>(If no, Submit Copy)</i> List All E. Logs Run:	☐ Log Formation (Top), Depth and Datum ☐ Sample Name Top Datum
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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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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

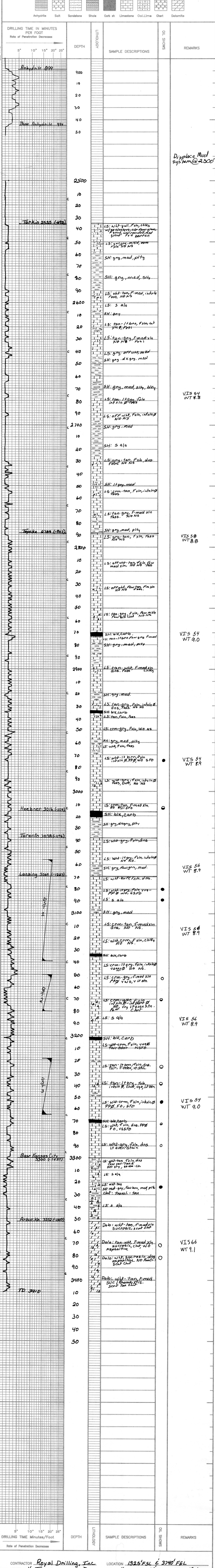
TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run: ☐ Yes ☐ No
Date of First, Resumed Production, SWD or ENHR.			Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other <i>(Explain)</i> _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. <i>(Submit ACO-5)</i> ☐ Commingled <i>(Submit ACO-4)</i> ☐ Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Geologic Report Log
APL 15-167-23822-00-00
Company: P&G Explorations, LLC
Well: Kruan #42
Field: Wildcat
Location: 1325' FSL ± 3740' FEL
Sec: 4 Twp: 15S Rge: 15W
State: Kansas
Operator: P&G Explorations, LLC
Contractor: Royal Drilling, Inc.
Casing Record: 8 5/8" @ 243' 3410'
Total Depth: 3410'

Table with 10 columns: DATE, TIME, NO, SIZE, MEAS, SPT RECORD, FEET, CORRECTION, REMARKS. Contains data for 10-1-12, 10-2-12, 10-3-12, 10-4-12, 10-5-12, 10-6-12.

Table with 10 columns: NO, INTERVAL, SPT/ft, SPT/ft, SPT/ft, H-100, REMARKS. Contains data for 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.



CONTRACTOR: Royal Drilling, Inc.
LEASE: K. Kruan
ELEVATION: 1843 KB
LOCATION: 1325' FSL ± 3740' FEL
SEC: 4 TWP: 15S RGE: 15W
COUNTY: Russell STATE: Kansas

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Office / Fax 620-672-3663

Brady's Cell 620-727-6964

Date	10-6-12	Sec.	4	Twp.	15	Range	15	County	Russell	State	KS	On Location	8:30	Finish	12:30
Lease	K-train			Well No.	4-2			Location Gorham, KS 65 1 E 1 S 1/2 E N10							
Contractor	Royal #2								Owner						
Type Job	Rotary Plug								To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.						
Hole Size									Charge To Pfeiffer Exploration's						
Csg.	T.D. 3410								Street						
Tbg. Size									City State						
Tool									The above was done to satisfaction and supervision of owner agent or contractor.						
Cement Left in Csg.	Shoe Joint								Cement Amount Ordered 180sx 60/40 4% gel 1 1/4 FS						
Meas Line	Displace														
EQUIPMENT															
Pumptrk	No.	8		Cody		Common									
Bulktrk	No.	5		Neote		Poz. Mix									
Bulktrk	No.					Gel.									
Pickup	No.					Calcium									
JOB SERVICES & REMARKS															
Rat Hole	30sx								Hulls						
Mouse Hole	15sx								Salt						
Centralizers									Flowseal						
Baskets									Kol-Seal						
D/V or Port Collar									Mud CLR 48						
1st plug @									CFL-117 or CD110 CAF 38						
2nd plug @	920' = 25sx								Sand						
3rd plug @	360' = 75sx								Handling						
4th plug @	40' = 10sx and wiper plug								Mileage						
FLOAT EQUIPMENT															
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge							
								Mileage							
								Tax							
								Discount							
								Total Charge							
Signature Doug Budic															

QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

5702

Home Office 324 Simpson St., Pratt, KS 67124

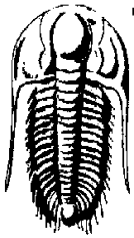
Heath's Cell 620-727-3410

Office / Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date <u>10-1-12</u>	Sec. <u>4</u>	Twp. <u>15</u>	Range <u>15</u>	County <u>Russell</u>	State <u>KS</u>	On Location	Finish <u>7:45-8:15pm</u>
Lease <u>K Truman</u>	Well No. <u>4-2</u>	Location <u>Gorham, KS 5 miles E 15 12 E 10 to</u>					
Contractor <u>Royal</u>				Owner			
Type Job <u>Surface</u>				To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.			
Hole Size <u>12 1/4</u>		T.D. <u>224</u>		Charge To <u>Pfeiffer Exploration</u>			
Csg. <u>8 5/8</u>		Depth		Street			
Tbg. Size		Depth		City			
Tool		Depth		State			
Cement Left in Csg. <u>15 ft</u>		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace <u>13.3</u>		Cement Amount Ordered <u>150sr com 3%CC 2%gel</u>			
EQUIPMENT							
Pumptrk	No. <u>8</u>	<u>Cady</u>		Common <u>90</u>			
Bulktrk	No. <u>9</u>	<u>sean</u>		Poz. Mix <u>60</u>			
Bulktrk	No.			Gel. <u>3</u>			
Pickup	No.			Calcium <u>5</u>			
JOB SERVICES & REMARKS							
Rat Hole				Salt			
Mouse Hole				Flowseal			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
D/V or Port Collar				CFL-117 or CD110 CAF 38			
<u>Ran 5 Jts of 8 5/8 casing and landing</u>				Sand			
<u>jt</u>				Handling <u>158</u>			
				Mileage <u>20</u>			
<u>Est Circulation with mud pump</u>				FLOAT EQUIPMENT			
				Guide Shoe			
<u>Hooked up and mixed 150sr - shut down</u>				Centralizer			
<u>and disp 13.3 bbl of H2O - shut in @</u>				Baskets			
<u>300psi</u>				AFU Inserts			
				Float Shoe			
				Latch Down			
<u>Cement Did Circulate to Surface</u>							
				Pumptrk Charge <u>Surface</u>			
				Mileage <u>20</u>			
				Tax			
				Discount			
				Total Charge			
X Signature <u>Doug Budig</u>							



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Pfeifer Explorations LLC

4-15s-15w

309 W 40th
Hays Ks 67601

K Truan 4-2

Job Ticket: 51030

DST#: 1

ATTN: Jacob Pfeifer

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)

Reference Elevations: 1842.00 ft (KB)

Total Depth: 3139.00 ft (KB) (TVD)

1834.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8321 Inside

Press@RunDepth: 102.52 psig @ 3124.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.04

End Date:

2012.10.05

Last Calib.: 2012.10.05

Start Time: 23:53:28

End Time:

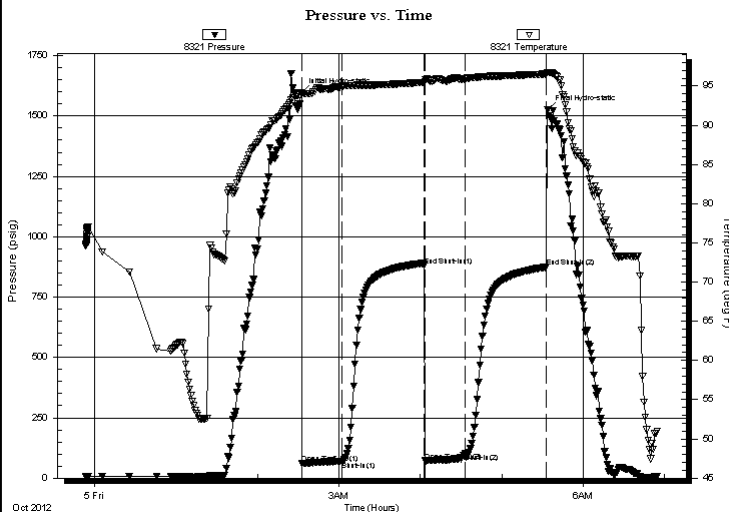
06:54:57

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



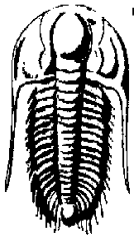
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1596.91	94.16	Initial Hydro-static
1	60.87	94.02	Open To Flow (1)
30	69.89	94.95	Shut-In(1)
91	881.19	95.47	End Shut-In(1)
91	71.84	95.60	Open To Flow (2)
121	102.52	95.91	Shut-In(2)
181	873.94	96.54	End Shut-In(2)
182	1525.92	96.74	Final Hydro-static

Recovery

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

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Pfeifer Explorations LLC

4-15s-15w

309 W 40th
Hays Ks 67601

K Truan 4-2

Job Ticket: 51030

DST#: 1

ATTN: Jacob Pfeifer

Test Start: 2012.10.04 @ 23:53:27

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 7.20 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

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

