KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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 # 8653
Name: Petroleum Technologies, Inc.
Address 1: 801 W. 47th Street
Address 2: Suite 412
City: Kansas City State: MO Zip: 64112 + 1253
Contact Person: ALAN J. SEATON
Phone: (816) 531-6904 ext. 25

RECEIVED
AUG 06 2010
KCC WICHITA

CONTRACTOR: License #
Name:
Wellsite Geologist:
Purchaser:

Designate Type of Completion:

- [ ] New Well
- [ ] Re-Entry
- [x] Workover

- [ ] Oil
- [ ] WSW
- [x] 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: Petroleum Technologies, Inc.
Well Name: Patzner A
Original Comp. Date: 5-08-1941 Original Total Depth: 3,596

- [ ] Deepening
- [ ] Re-perf.
- [ ] Conv. to ENHR
- [ ] Conv. to SWD
- [ ] Conv. to GSW
- [ ] Plug Back: Plug Back Total Depth
- [ ] Commingled Permit #:
- [ ] Dual Completion Permit #:
- [x] SWD Permit #: D-7690
- [ ] ENHR Permit #:
- [ ] GSW Permit #:

April 12, 2010 — Spud Date or Recompletion Date
Date Reached TD
April 15, 2010 — Completion Date or Recompletion Date

API No. 15 - 009-19143-0004
Spot Description:
~~E/2~~ SE ~~W/2~~ NW SE Sec. 36 Twp. 17 S. R. 11 [ ] East [x] West
1,320 ~~1354~~ 1/4 Feet from [ ] North / [x] South Line of Section
1,650 ~~1703~~ 1/4 Feet from [x] East / [ ] West Line of Section
GPS-KCC-DG
Footages Calculated from Nearest Outside Section Corner:
[ ] NE [ ] NW [x] SE [ ] SW
County: Barton
Lease Name: Patzner A Well #: 10
Field Name: Bloomer
Producing Formation: disposing into Lansing & Arbuckle
Elevation: Ground: 1,809 Kelly Bushing: 1,814 est
Total Depth: 3,596 Plug Back Total Depth: 3,596
Amount of Surface Pipe Set and Cemented at: 15" @ 140' Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 315'
feet depth to: surface w/ 450 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 #:

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature:
Title: President Date: Aug 2, 2010

KCC Office Use ONLY

- [x] Letter of Confidentiality Received
  Date:
- [ ] Confidential Release Date:
- [ ] Wireline Log Received
- [ ] Geologist Report Received
- [ ] UIC Distribution

ALT [ ] I [ ] II [ ] III Approved by: DG Date: 8/20/10

Side Two

Operator Name: Petroleum Technologies, Inc. Lease Name: Patzner A Well #: 10

Sec. 36 Twp. 17 S. R. 11 ☐ East ☑ West County: Barton

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:

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

Name Top Datum

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
Production		7"		0 - 3,282'	owc	70	
Liner		4-1/2"		3,209 -3,365'	owc	25	
Liner		5-1/2"		0 - 2,863'	60/40 OWC	115	4% gel

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	0 - 315'	OWC	450	

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
various	2,971 - 3,596	various	

TUBING RECORD: Size: 2-7/8" Set At: 2,834 Packer At: 2,836 Liner Run: ☑ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. April 15, 2010

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: 2,971 - 3,596

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

Side Two

Operator Name: Eternity Exploration, LLC Lease Name: DT Simon Well #: 1

Sec. 24 Twp. 9 S. R. 26 ☐ East ☑ West County: Sheridan

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
Dual Induction

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

Name	Top	Datum
Anhydrite	2285	+355
Topeka	3648	-1008
Heebner Shale	3856	-1216
Toronto	3880	-1240
Lansing	3903	-1263
Base of Kansas City	4128	-1488

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 casing	12 1/4	8 5/8	20#	235	common	125	3%cc & 2% gel
Liner		5.5		2850		200sx	

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

RECEIVED
AUG 18 2010
KCC WICHITA

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 CEMENTING CO., LLC. 036405

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

SERVICE POINT:
Great Bend KS

DATE 4-12-10	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START 130 pm	JOB FINISH 300 pm
LEASE Patzer	WELL #		LOCATION Claflin 156 & 4 1/2 mile East North into			COUNTY Barton	STATE KS
OLD OR NEW (Circle one)							

CONTRACTOR Steve Well Serv
TYPE OF JOB Prod
HOLE SIZE 7 7/8 T.D. 2850
CASING SIZE 5 1/2 14# DEPTH 2850
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 1400 MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT 68 BBLS

OWNER Petroleum Technologies

EQUIPMENT

PUMP TRUCK CEMENTER Wayne-D
181 HELPER Alvin-R
BULK TRUCK
260 DRIVER Bob-R
BULK TRUCK
DRIVER

REMARKS:

Load hole 1 BBLS
Hook up mix 115 SX
60/40 4% Gel and 1/2 of 1% C-D-31
Shut Down wash pump
and lines Release plug
Displace 68 BBLS at water
Cement did circulate
Land plug at 1400 PSI

CHARGE TO: Petroleum Technologies
STREET
CITY STATE ZIP

To Allied Cementing Co., 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.

PRINTED NAME Richard Singleton
SIGNATURE

CEMENT

AMOUNT ORDERED 200 SX 60/40 4% Gel
1/2 of 1% C-D-31
mixed 115 SX

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
	@		
	@		
	@		
	@		
	@		
	@		
	@		
	@		
HANDLING	@		
MILEAGE			
	TOTAL		

SERVICE

DEPTH OF JOB 2850			
PUMP TRUCK CHARGE			
EXTRA FOOTAGE	@		
MILEAGE	@		
MANIFOLD	@		
	@		
	@		
	TOTAL		

PLUG & FLOAT EQUIPMENT

	@		
1 5 1/2 Rubber Plug	@		
1 5 1/2 Buttweld Insert	@		
Shoe	@		
	@		
	TOTAL		

SALES TAX (If Any)
TOTAL CHARGES
DISCOUNT IF PAID IN 30 DAYS

Well Completion

Type: ☑ Tubing & Packer ☐ Packerless ☐ Tubingless

	Surface	Production	Liner	Liner	Tubing
Size	15"	7"	4-1/2"	5-1/2"	2-7/8"
Setting Depth	0 - 140'	0' - 3,282'	3,209' - 3,365'	0' - 2,863'	0' - 2,834'
Amount of Cement	? sx	60 sx	25 sx	115 sx	N/A
Top of Cement	surface	3,108'	3,209'	surface	N/A
Bottom of Cement	140'	3,284'	3,365'	2,863'	N/A

If Alternate II cementing, complete the following:

Perforations / D.V. Tool at 315' feet, cemented to surface feet with 450 sx.

Tubing: Type Duolined Grade J-55

Packer: Type Halliburton R-4 Depth 2,836'

Annulus Corrosion Inhibitor: Type Bachman CIW-2124 packer fluid Concentration 5gal chem w/fresh wtr

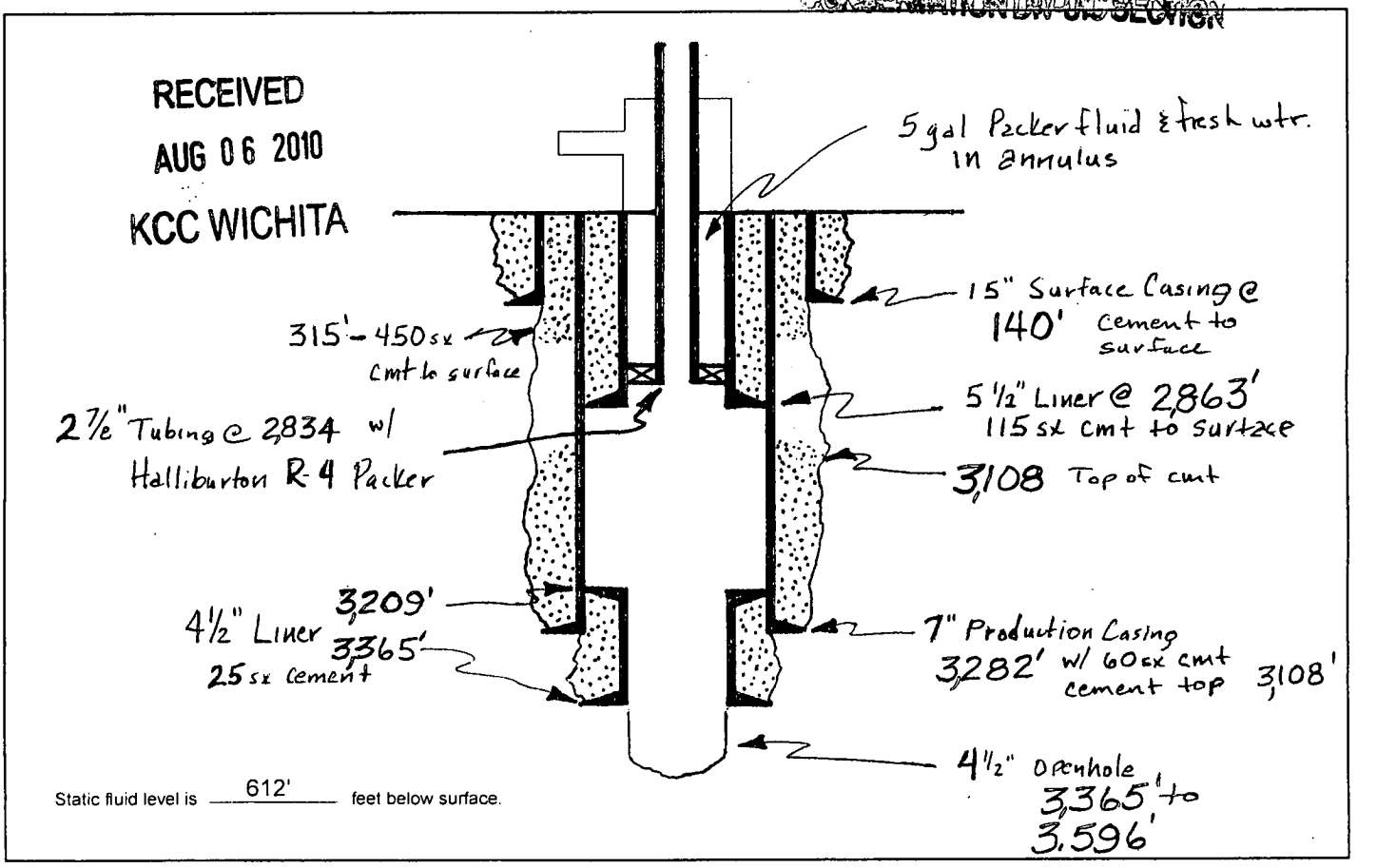
List Logs Enclosed: None

RECEIVED
KANSAS CORPORATION COMMISSION
AUG 17 2010
CONSERVATION DIVISION

Well Sketch

(To sketch installation, darken the appropriate lines, indicate cement, and show depths.)

RECEIVED
AUG 06 2010
KCC WICHITA



Static fluid level is 612' feet below surface.

- Copy -

CASING MECHANICAL INTEGRITY TEST

DOCKET # D-026,90

Disposal Well [X] Enhanced Recovery:
Repressuring [ ]
Flood [ ]
Tertiary [ ]

Date injection started _____
API #15- _____ -

E/2 W/2 SE/4
SE NW SE, Sec 36, T 17 S, R 11 E/W

1357 Feet from South Section Line
1637 Feet from East Section Line

Lease Patzner A Well # 10
County Barton

KCC
MAY 05 2010
HAYS, KS

Operator: Petroleum Technologies
Name &
Address 801 w 47th St. Ste. 412
Kansas City, MO 64112

Operator License # 8653
Contact Person Richard Singleton
Phone 816-392-4234

Max. Auth. Injection Press. 500 Psi; Max Inj. Rate 600 bbl/d;
If Dual Completion – Injection above production _____ Injection below production _____

	Conductor	Surface	Production	Liner		Tubing
Size		15½	7"	5½	4½	Size ?
Set at		140	3282	2861	3365	Set at 2833
Cement Top		circ to 0	w/ 70 SKS	115 SKS - 0	3209	Type Duoline
" Bottom				2861	3365	

DV/Perf. 315' to 0 w/ 450 SKS TD (and plug back) 3596 ft. depth
Packer type Model R-4 Size 4½ Set at 2833
Zone of injection 2971 ft. to ft. 3569 Perf. or open hole _____

Type MIT: Pressure: [02] Radioactive Tracer Survey: [ ] Temperature Survey: [ ]

Time: Start 0 Min. 15 Min. 30 Min.

Pressures: 320 320 320 Set up 1
_____ Set up 2
_____ Set up 3

System Pres. during test _____
Annular Pres. during test _____
Fluid loss during test _____ bbls.

Need file review re: well construction

RECEIVED
AUG 06 2010
KCC WICHITA

Tested: Casing [ ] or Casing – Tubing Annulus [X]

KANSAS CORPORATION COMMISSION
AUG 17 2010
CONSERVATION DIVISION

The bottom of the tested zone in shut in with A Packer

Test Date 4/15/10 Using Brackeen Line Cleaning Company's Equipment

The operator hereby certifies that the zone between 0 feet and 2833 feet was the zone tested X

Signature President
Title

The results were Satisfactory XX, Marginal _____, Not Satisfactory _____ PASSED

State Agent: Bruce Rodie Title: P.I.R.T. II Witness: YES XX NO _____

REMARKS: There are well construction descrepencies. re: 5½" & 4½" There has been a 4½" liner

[KCC] Orgin. Conservation Div.: [ ] KDHE/T: [04] Dist. Office

Was recently - need updated well construction/schematic

[ ] Computer Update

Is there Chemical Sealant or a Mechanical Casing patch in the annular space? (Y/N) [ ]
(If YES please describe in REMARKS)

GPS Lat 38.52557 GPS Long 98.48605

KCC Form U-7