

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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](mailto: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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Petroleum Technologies, Inc.
Well Name	KNABE A 4A
Doc ID	1466285

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
3	870 - 880	Acid: 75 gal HCL	870 - 880
		Frac: 3sx 16/30, 37sx 12/20, 122 bbls gelled wtr	870 - 880





PRESSURE PUMPING LLC  
PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

100717  
40919

INV 901000

TICKET NUMBER 55597  
LOCATION Ottawa, KS  
FOREMAN Cassey Kennedy

FIELD TICKET & TREATMENT REPORT  
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12/3/19	6370	Knabe A # 4-A	SE 30	14	22	JO
CUSTOMER Petroleum Technologies Inc			TRUCK #			
MAILING ADDRESS 801 W. 47th St. Ste 412			DRIVER			
CITY Kansas City			TRUCK #			
STATE MO			DRIVER			
ZIP CODE 64112			TRUCK #			
JOB TYPE <u>plug</u>			DRIVER			
HOLE SIZE <u>5 5/8"</u>			TRUCK #			
HOLE DEPTH <u>900'</u>			DRIVER			
CASING SIZE & WEIGHT			TRUCK #			
CASING DEPTH			DRIVER			
SLURRY WEIGHT			TRUCK #			
SLURRY VOL			DRIVER			
WATER gal/sk			TRUCK #			
CEMENT LEFT in CASING			DRIVER			
DISPLACEMENT			TRUCK #			
DISPLACEMENT PSI			DRIVER			
MIX PSI			TRUCK #			
RATE <u>4 bpm</u>			DRIVER			

REMARKS: held safety meeting, established circulation thru drill steel at hole TD, mixed & pumped 10 sks Portland IA cement w/ 6% Bentonite per sk, pulled drill steel to 400', mixed & pumped 10 sks cement, pulled drill steel to 250', mixed & pumped 36 sks cement, cement to surface, pulled drill steel from hole, topped well off w/ 10 sks cement, washed up drill steel & equipment.

*[Handwritten signature]*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
✓ CE0450	1	PUMP CHARGE	1500.00	
✓ CE0002	30 mi	MILEAGE	214.50	
✓ CE0711	min	ten mileage	600.00	
✓ WE0853	2 hrs	80 Vac	200.00	
		trucks	2574.50	
		-40%	1029.80	
		subtotal		1544.70
✓ CC5840	66 sks	Portland IA cement	891.00	
✓ CC5965	333 #	Bentonite	99.90	
		materials	990.90	
		-40%	396.36	
		subtotal		594.54
		7.975%	SALES TAX	47.41
		ESTIMATED TOTAL		2186.65

Havin 3737

AUTHORIZATION No Co Rep TITLE \_\_\_\_\_ DATE (3644.42)

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.





24 S. Gold Paola, KS 66071

**Allen's Holdings & Investments**  
**Oil & Gas Well Drilling**  
**Water Wells**  
**Geo-Loop Installation**

Phone: 913-557-9083  
 Fax: 913-557-9084

**WELL LOG**

Petroleum Technologies, Inc.  
 Knabe A - #4A  
 API #15-091-24502-00-00  
 July 2, 2019-July 3, 2019

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
5	soil & clay	5
6	sandstone	11
50	shale	61
4	lime	65
3	shale	68
15	lime	83
8	shale	91
10	lime	101
6	shale	107
20	lime	127
16	shale	143
33	lime	176
10	shale	186
11	lime	197
10	shale	207
20	lime	227
24	shale	251
10	lime	261
20	shale	281
7	lime	288
4	shale	292
7	lime	299
31	shale	330
1	lime	331
11	shale	342
27	lime	369
8	shale	377
23	lime	400
3	shale	403
6	lime	409
2	shale	411
7	lime	418 Base of Kansas City/Hertha
29	shale	447
7	sand	454 Grey sand, ok oil show, some gas
136	shale	590

5	lime	595
3	shale	598
3	lime	601
8	shale	609
6	lime	615
1	shale	616
2	broken sand	618 Brown sand & shale, light bleed
1	oil sand	619 Brown sand, light bleed
11	shale	630
3	lime	633
5	shale	638
4	lime	642
7	shale	649
3	lime	652
51	shale	703 Redbud
2	lime	705
24	shale	729
1	lime	730
21	shale	751
7	broken sand	758 Brown sand & shale, light bleed, gassy
37	shale	795
5	lime	800
2	shale	802
1	silty shale	803
8	shale	811
2	sand	813 Grey, no show
5	oil sand	818 Grey sand, ok bleed
42	shale	860
2	limy sand	862
13	silty shale	875
1	limy sand	876
3	silty shale	879
1	broken sand	880
1	oil sand	881
1	limy sand	882
2	oil sand	884
2	limy sand	886
1	silty shale	887
13	shale	900

Drilled a 9 7/8" hole to 20.2'

Drilled a 5 5/8" hole to 900'

Set 20.2' of new 7" casing threaded and coupled, cemented with 5 sacks cement.

Well was plugged with 10 sacks of cement @ 900' and 10 sacks of cement @ 400', filled with cement from 250' to 0'.

Well was plugged by a KCC plugging proposal.

Dug 1 pit