

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1316095

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 #	API No. 15 -				
Name:	Spot Description:				
Address 1:	SecTwpS. R 🔲 East 🗌 West				
Address 2:	Feet from North / South Line of Section				
City: State: Zip:+	Feet from _ East / _ West Line of Section				
Contact Person:	Footages Calculated from Nearest Outside Section Corner:				
Phone: ()	□NE □NW □SE □SW				
CONTRACTOR: License #	GPS Location: Lat:, Long:				
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)				
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84				
Purchaser:	County:				
Designate Type of Completion:	Lease Name: Well #:				
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:				
□ Oil □ WSW □ 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: □ Well Name:	Producing Formation: Elevation: Ground: Kelly Bushing: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt.				
Original Comp. Date: Original Total Depth:					
□ Deepening □ Re-perf. □ Conv. to ENHR □ Conv. to SWD □ Plug Back □ Conv. to GSW □ Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)				
Commingled Permit #: Dual Completion Permit #: SWD Permit #:	Chloride content:ppm Fluid volume:bbls Dewatering method used: Location of fluid disposal if hauled offsite:				
☐ ENHR Permit #: ☐ GSW Permit #:	Operator Name: Lease Name: License #:				
Spud Date or Date Reached TD Completion Date or Recompletion Date	QuarterSec. TwpS. REastWest 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:				



Operator Name:			Lease Name:			Well #:	
SecS.	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 files must be submitted in LA				gs must be ema	iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional Sheets)		Yes No		Log Formation (Top), Depth and Datum Sample			Sample
Samples Sent to Geological S	Survey	Yes No	Nam	Э		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING Report all strings set-c	RECORD Ne		on etc		
2 (2)	Size Hole	Size Casing	Weight	Setting	Type of	# Sacks	Type and Percent
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.	Depth	Cement	Used	Additives
	<u> </u>	ADDITIONAL	CEMENTING / SQL	EEZE RECORD	I	ı	
Purpose: Depth Type of Cement —— Perforate —— Protect Casing		# Sacks Used	Sacks Used Type and Percent Additives				
Plug Back TD Plug Off Zone							
Did you perform a hydraulic fractu Does the volume of the total base Was the hydraulic fracturing treat	fluid of the hydrau	ulic fracturing treatment ex		Yes [Yes [Yes [Yes [No (If No, ski	p questions 2 ar p question 3) out Page Three	
Shots Per Foot		I RECORD - Bridge Plugotage of Each Interval Perf			cture, Shot, Cement		d Depth
Specify Feetage of East Interval Fertilated (7.11) and 1.11 and 1.					Sopa.		
TUBING RECORD: Size: Set At: Packer At: Liner Run:							
Date of First, Resumed Producti	on, SWD or ENHF	R. Producing Meth		Gas Lift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbl		Mcf Wate			as-Oil Ratio	Gravity
DISPOSITION OF G	3ΔS·	Λ.	METHOD OF COMPLE	TION		PRODI ICTIC	ON INTERVAL:
	Jsed on Lease	Open Hole		Comp. Cor	nmingled mit ACO-4)	FRODUCTIO	ZIN IIN I ERVAE.

Form	ACO1 - Well Completion
Operator	Petroleum Technologies, Inc.
Well Name	KNABE C 8I
Doc ID	1316095

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	9.875	7.0	17	22	Common	6	None
Production	5.625	2.875	6.5	951	50/50 Pozmix		2% gel, 1/4# Floseal



TICKET NUMBER 50207

LOCATION OKLAWA KS

FOREMAN Fred Wader

FIELD TICKET & TREATMENT REPORT LAURIN HOKONON

DATE OUSTOMER# WELL NAME & NUMBER SECTION TOWNSHIP RANGE DATE OUSTOMER WELL NAME & NUMBER SECTION TOWNSHIP RANGE DATE OUSTOMER TOWN TOWNSHIP RANGE DATE OF THE STATE TOWN THE STATE SECTION THE SECTION TOWNSHIP RANGE DATE OF THE SECTION THE SEC	20.431-0210	or 800-467-8676		С	EMEN1	F	MIAOIG	THE WOLL	
TO JUSTOME TECHNOLOGY OF THE TRUCKS DRIVER T							TOWNSHIP	RANGE	COUNTY
TRUCKE DRIVER TRUCKE DRIVER TRUCKE DRIVER TRUCKE DRIVER MALING ADDRESS 801 W-St 47th St. St. 412 STATE DRIVER STATE DRIVE DRIVER STATE DRIVER STATE DRIVER 172 / Fr. Madd 172 / Fr. Madd 172 / Fr. Madd 172 / Fr. Madd 173 / W. Det 174 / Det 175 / W. Det 175 / W. Det 175 / W. Det 176 / Det 177 / CASING SIZE & WEIGHT 27/2 EUE SO 3 MI K No. SO 3 MI K		6370	Kuabo	C, # 8 I		NW 32	14	22	50
MALING ADDRESS \$01 West 47 th 56. Ste 412 \$01 West 47 th 56. Ste 412 West 27 th 56. Ste 112 West 2	CUSTOMER		/		93	TOUGH #	DDIVER	TPLICE#	DRIVER
801 West 47 * 5f. Ste 412 OTHER STATE ZIP CODE Kansas City M6 (4112) HOLE SIZE HOLE DEPTH 971 CASING SIZE & WEIGHT 276 EUE ASSING DEPTH 951 DRILL PIPE BACFL ENTURING SLURRY WEIGHT SLURRY WOLL WATER gallok GEMENT LEFTIN CASING 10 to F/W REMARKS: HOLE S feels MANNING. Establish outsile and Mixe Pump 100 to F/W REMARKS: HOLE S feels MANNING. Establish outsile for the fill out	Perral	eum Tech	mologies		ŀ			IROCK#	DIVIVER
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REMARKS: HOLD Safely MEXIC. Establish pump rate. Mixe Pump 108 Colfiush Mixe Pump 113 SKs Por Bland IA Colomba 276 Colfiush Mixe Pump 113 SKs Por Bland IA Colomba 276 Colfiush Mixe Pump 113 SKs Por Bland IA Colomba 276 Colfiush Mixe Pump 113 SKs Por Bland IA Colomba 276 Colfiush Mixe Pump 113 SKs Por Bland IA Colomba 276 Colfiush Mixe Pump to Survace. Flush pump those clean Displace 212 Rubbar Pump to Bottle. Pressure to 808 Ks. Mondar pressure for 30 mm MIT. Release pressure to set Float value. Shurt in Caste. Frank Energy Den Juc. ACCOUNT COOE Cooe Cooe Coe Coe Coe Coe Coe			SI LIDBY VOI	WA.	TED gal/sl		CEMENT LEFT in	The state of the s	+P/u
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	AUTHORIZTION	ı.			16			DATE	[4389 J]



Oil & Gas Well Drilling Water Wells Geo-Loop Installation

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

Paola, KS 66071

WELL LOG

Petroleum Technologies, Inc. Knabe C #8i API #15-091-24,426 July 28 - July 29, 2016

Thickness of Strata	<u>Formation</u>	<u>Total</u>
. 5	soil & clay	5
55	shale	60
11	lime	71
8	shale	79
8	lime	87
12	shale	99
21	lime	120
19	shale	139
27	lime	166
4	shale	170
18	lime	188
12	shale	200
27	lime	227
14	shale	241
9	lime	250
21	shale	271
8	lime	279
9	shale	288
2	lime	290
43	shale	333
6	lime	339
3	shale	342
20	lime	362
5	shale	367
21	lime	388
3	shale	391
14	lime	405 base of the Kansas City
24	shale	429
7	sand	436
142	shale	578
7	lime	585
12	shale	597
8	lime	605
13	shale	618
6	lime	624
40	shale	664
3	lime	667
50	shale	717
2	lime	719
26	shale	745
	4650 F 1975	E 17-18

 Knabe C #8i
 Page 2

 4
 broken sand
 749

 113
 shale
 862

 4
 limey sand
 866

oil sand

shale

limey sand

Drilled a 9 7/8" hole to 22.4' Drilled a 5 5/8" hole to 971'

7

6

92

Set 22.4' of 7" casing cemented with 6 sacks cement.

Set 951' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 float shoe, 1 clamp, and 1 baffel at 941'.

873

879 971 TD