KOLAR Document ID: 1466044

Confiden	tiality 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 #		API No.:
Name:		Spot Description:
Address 1:		
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: ()		
CONTRACTOR: License #		GPS Location: Lat:, Long:
Name:		(e.g. xx.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:		Datum: NAD27 NAD83 WGS84
Purchaser:		County:
Designate Type of Completion:		Lease Name: Well #:
New Well Re-Entry	Workover	Field Name:
	_	Producing Formation:
		Elevation: Ground: Kelly Bushing:
		Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)		Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):		Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:		If yes, show depth set: Feet
Operator:		If Alternate II completion, cement circulated from:
Well Name:		feet depth to:w/sx cmt.
Original Comp. Date: Original Tota	al Depth:	
Deepening Re-perf. Conv. to EOF	R Conv. to SWD	Drilling Fluid Management Plan
Plug Back Liner Conv. to GS	N Conv. to Producer	(Data must be collected from the Reserve Pit)
		Chloride content: ppm Fluid volume: bbls
		Dewatering method used:
		Location of fluid disposal if hauled offsite:
GSW Permit #:		Operator Name:
		Lease Name: License #:
Spud Date or Date Reached TD	Completion Date or	QuarterSecTwpS. R East West
•	Recompletion Date	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:					

KOLAR Document ID: 1466044

Operator Nan	ne:				Lease Name:	Well #:
Sec	Twp	_S. F	R	East West	County:	

Page Two

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. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

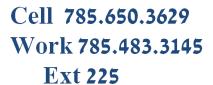
Drill Stem Tests Take				Yes] No			Log	Formatio	n (Top), Deptl	n and Datum	Sample
				<i>(</i>	1		Nan	ne			Тор	Datum
Cores Taken Electric Log Run	Mud Logs	rvey		res res res] No] No] No] No							
			Rep			RECORD			Used ate, production	on, etc.		
Purpose of String	(Attach Additional Sheets) mples Sent to Geological Survey res Taken ctric Log Run ologist Report / Mud Logs : All E. Logs Run: Purpose of String Size Hole Drilled Purpose of String Purpose: Perforate Protect Casing Plug Off Zone Did you perform a hydraulic fracturing treatment on th Does the volume of the total base fluid of the hydrauli Vas the hydraulic fracturing treatment information sut te of first Production/Injection or Resumed Production)	Wei Lbs.	ght	5	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Purposo: Denth			Tur	ADDITIONAL			NG / SQ	UEEZE	RECORD	Tupo or	nd Percent Additives	
Perforate Top Bottom		τyp		5111	# 54068	oseu			Type at	iu Fercent Additives		
Plug Back TD												
 Does the volume of Was the hydraulic fr 	the total base	e fluid of the h	ydraulic f ion subm	racturing t itted to the Produce		cal disclosure	e registry		☐ Yes ☐ Yes ☐ Yes ft ☐ O	No (If No	, skip questions 2 ar , skip question 3) , fill out Page Three	
Estimated Production Oil Bbls. Gas					as	Mcf	Wa	ter	Bt	bls.	Gas-Oil Ratio	Gravity
DISPOSIT	TION OF GAS	S:			1		COMPL	ETION:				DN INTERVAL: Bottom
			Open Ho	le	Perf.	Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)			100			
			Bridge F Type	Plug	Bridge Plu Set At	ıg		Acid,		Cementing Squeeze Kind of Material Used)		
TUBING RECORD:	Size:		Set At	:		Packer At:						

Form	ACO1 - Well Completion
Operator	Patterson Energy LLC
Well Name	E. HONOMICHL 1-19
Doc ID	1466044

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	236	80/20		3%cc 2%Gel
Production	7.875	5.5	17	3670	150 Com	305	10%salt 5%gel

AUSTIN B. KLAUS



PO BOX 352 Russell, KS 67665 austin.klaus@johnofarmer.com

Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name:	E. Honomichl #1-19		
Location:	Rooks County		
License Number:	API #15-163-24391-00-00	Region:	Kansas
Spud Date:	5/7/2019	Drilling Completed:	5/11/2019
Surface Coordinates:	Section 19, Township 9 So	uth, Range 19 West	
	330' FSL & 2310' FEL	-	
Bottom Hole	Vertical well w/ minimal de	viation, same as above	
Coordinates:			
Ground Elevation (ft):	2,143 K.I	B. Elevation (ft): 2,148	
Logged Interval (ft):	3,000 To: RTD	Total Depth (ft): 3,670	
Formation:	LKC, Arbuckle		
Type of Drilling Fluid:	Chemical (K.D.T)		
	Printed by STF	IP.LOG from WellSight Systems 1-800-4	47-1534 www.WellSiaht.com

OPERATOR

Company: Patterson Energy, LLC Address: P.O. Box 400 Hays, KS 67601

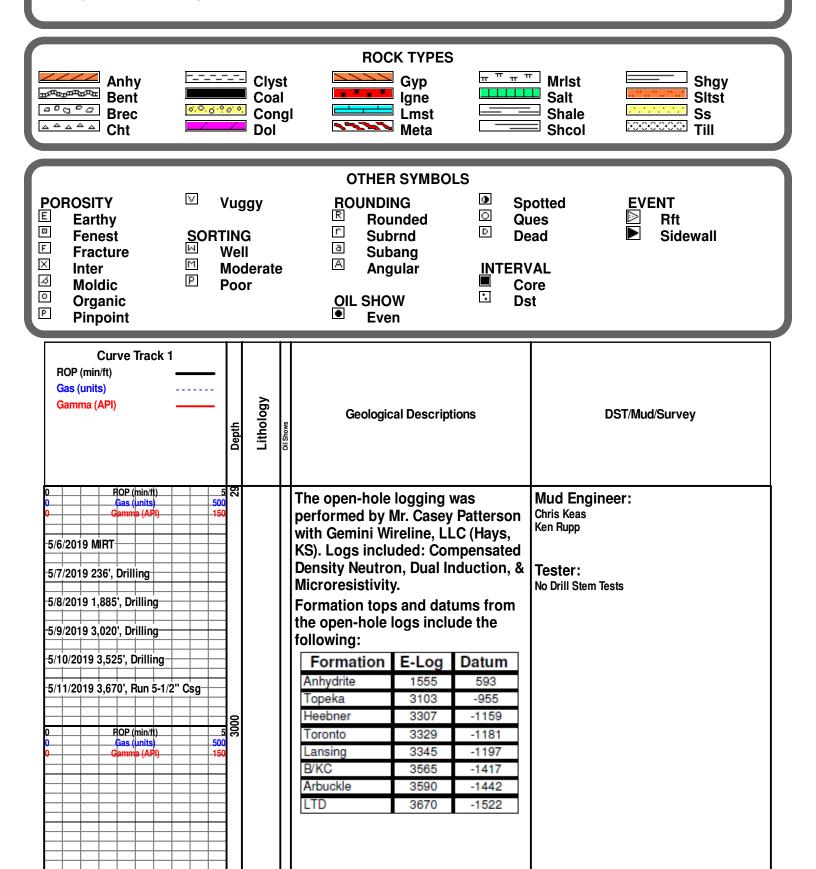
GEOLOGIST

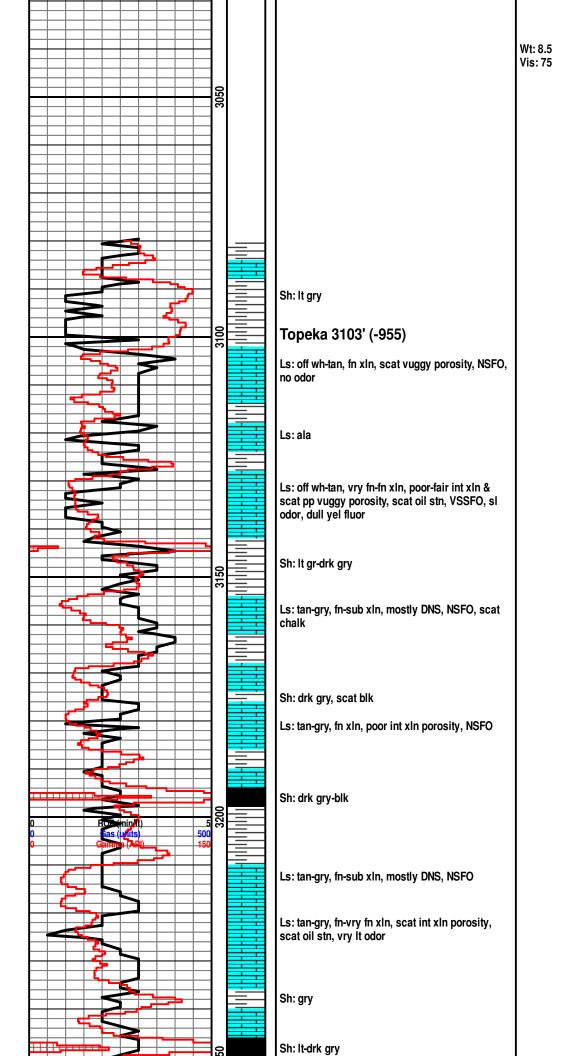
Name: Austin Klaus Company: John O. Farmer, Inc. Address: 370 W. Wichita Ave. Russell, KS 67665

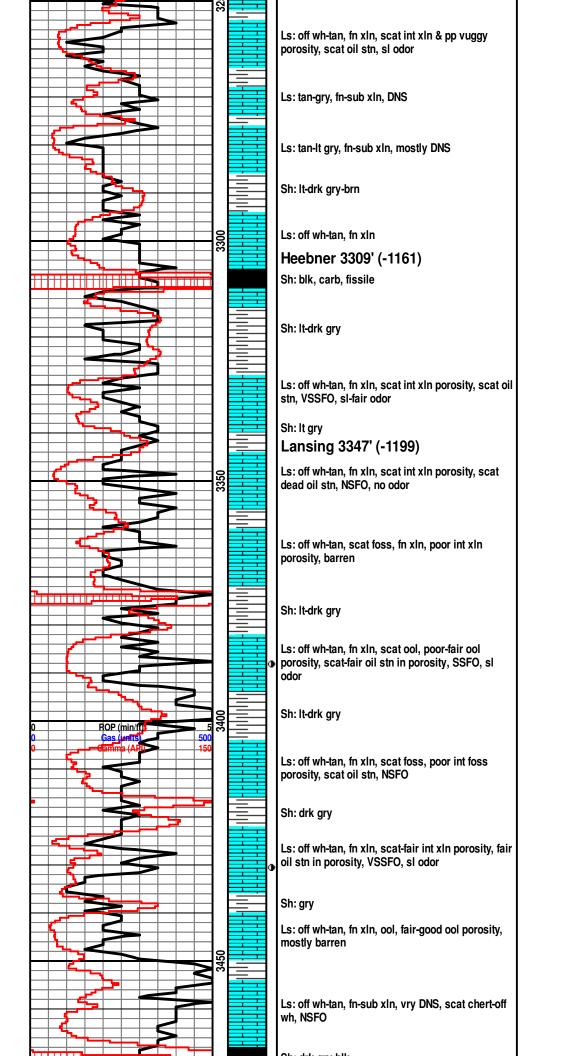
Comments

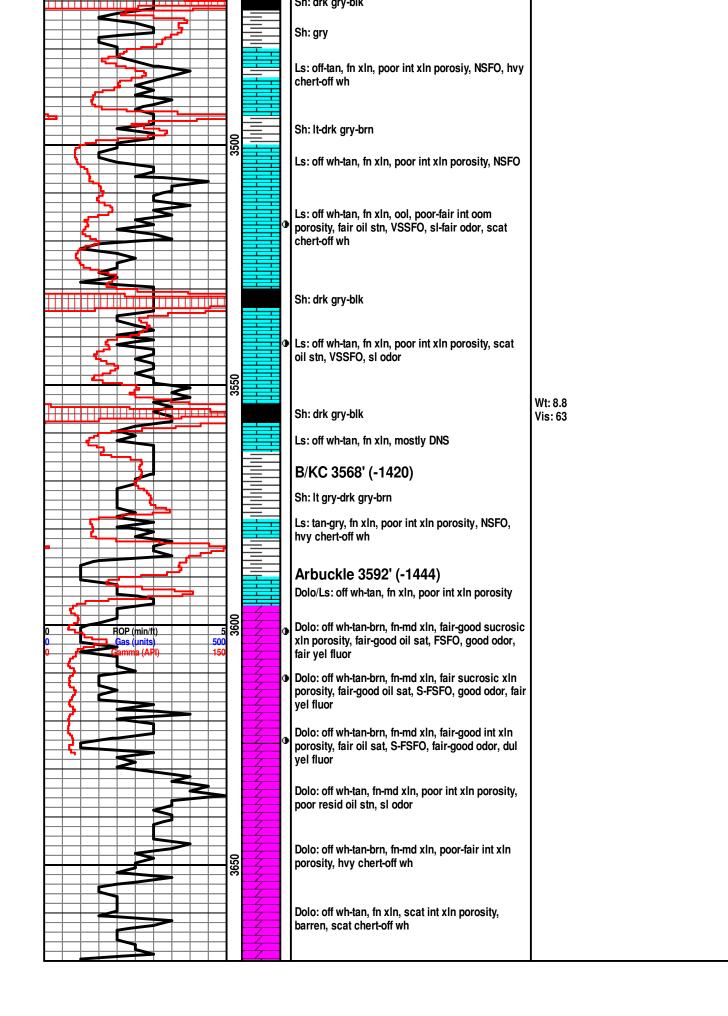
The E. Honomichl #1-19 well was drilled by Murfin Drilling Rig #8 (Tool Pusher: Randy Farr).

The location for the E. Honomichl #1-19 was discovered via 3D seismic survey. Rock samples were gathered and evaluated from 3,000'-3,670'. Oil shows were encountered in the LKC C,F,J,K, and Arbuckle. Structurally, the Lansing top was picked 4' low to the comparison well, 660' to the east (E. Honomichl #1 - 1947). Structural thinning occurred through the LKC, which resulted in an Arbuckle top 3' high to the comparison well. Good oil shows were observed throughout the top 25-30' of the Arbuckle. All Lansing-Kansas City oil shows should also be evaluated prior to P&A. After complete evaluation of all oil shows and electric logs, it was decided that 5 1/2'' production casing be set to further test the E. Honomichl #1-19 on 5/11/19.









QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Home Office P.O. Box 32 Russell, KS 67665

No. 1430

Phone 785-483-2025 11 705 004 1041

Cell 785-324-1041			Contraction and	1999	ma min	the loss of the	1.199	A CARE AND A			
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QUALI Phone 785-483-2025	Н	A CONTRACTOR OF A CONTRACTOR OF A		x I.D.# 20- Box 32 Ru	ssell, KS 67665	No	1283		
Cell 785-324-1041 Date 5 - 11 - 19 10	Twp.	Range	Ro	County oKS	State KS	On Location	10:00 AM		
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Phone 785-483-2025 Cell 785-324-1041	Ho	me Office	P.O. Bo		2886107 ssell, KS 67665	No.	1284		
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Mouse Hole) \$5X	and the second			Kol-Seal					
Centralizers			1	Mud CLR 48					
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