KOLAR Document ID: 1661251

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 #	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: ()	□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 □ SWD	Producing Formation:					
Gas DH EOR	Elevation: Ground: Kelly Bushing:					
☐ OG ☐ GSW	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? Yes No					
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 Total Depth:						
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD	Drilling Fluid Management Plan					
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)					
Committed at Provider	Chloride content: ppm Fluid volume: bbls					
☐ Commingled     Permit #:	Dewatering method used:					
SWD Permit #:	Location of fluid disposal if hauled offsite:					
EOR Permit #:	Location of fluid disposal if fladied offsite.					
GSW Permit #:	Operator Name:					
<u> </u>	Lease Name: License #:					
Spud Date or Date Reached TD Completion Date or	QuarterSecTwpS. R East West					
Recompletion Date 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 Approved by: Date:

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#### Page Two

Operator Name: _				Lease Name:			Well #:		
Sec Twp.	S. R.	Ea	ast West	County:					
	flowing and shu	ıt-in pressures, w	hether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,	
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	. Digital electronic log	
Drill Stem Tests Ta			Yes No		_	on (Top), Depth ar		Sample	
Samples Sent to G	Geological Surv	ey	Yes No	Na	me		Тор	Datum	
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No						
		R			New Used	on, etc.			
Purpose of Strir		Hole	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
			ADDITIONAL	CEMENTING / S	QUEEZE RECORD	I			
Purpose:		epth Ty	pe of Cement	# Sacks Used	ed Type and Percent Additives				
Protect Casi									
Plug Off Zon									
<ol> <li>Did you perform a</li> <li>Does the volume o</li> <li>Was the hydraulic</li> </ol>	of the total base f	luid of the hydraulic	fracturing treatment	_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three (	,	
Date of first Producti Injection:	ion/Injection or Re	esumed Production	/ Producing Meth	nod:	Gas Lift 0	Other (Explain)			
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity	
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			N INTERVAL: Bottom	
	_	on Lease	Open Hole			mmingled mit ACO-4)	Тор	Bottom	
,	, Submit ACO-18.)				· · · · · · · · · · · · · · · · · · ·				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid	Fracture, Shot, Cer (Amount and Kind	menting Squeeze of Material Used)	Record	
TUBING RECORD:	Size:	Set /	At:	Packer At:					
. 5213 (1200) 10.	JIEG.			. 30.0.71					

Form	ACO1 - Well Completion
Operator	Patterson Energy LLC
Well Name	BERNSTORF-JANKE 11
Doc ID	1661251

## Tops

Name	Тор	Datum
Anhy	750	1174
Topeka	2634	-710
Heebner	2962	-1038
Lansing	3079	-1154
B/KC	3323	-1399
Arbuckle	3348	-1424
Reagan Sand	3452	-1528
LTD	3656	-1732

Form	ACO1 - Well Completion
Operator	Patterson Energy LLC
Well Name	BERNSTORF-JANKE 11
Doc ID	1661251

### 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	717	80/20	320	3%cc2%g el
Production	7.875	5.5	17	3555	common	175	10%salt5 %gilsonite

X

Phone 785-483-1071 Cell 785-324-1041

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

No. 2814

Date 4-29-22 33	Twp. Ri	ange Ba	County	Ks	On Location	5:30 PM
Besnoforf-Ja	nke	Locat	ion Hitso	Lmann -	2F 5/5	10.301,
Lease	Well N		Owner		ar july	
Contractor Mwfin 1	9		To Quality O	ilwell Cementing, Inc		
Type Job Surface			You are here cementer an	by requested to rent d helper to assist ow	cementing equipmen	nt and furnish
Hole Size 12/4"	T.D.	124'	Charge 7		<i></i>	o work at noted.
Csg. 85/811	·	7241	Street	verior don I	everal.	
Tbg. Size	Depth		City		State	
Tool	Depth			e done to estisfaction a	State nd supervision of owner	
Cement Left in Csg 30'	Shoe Joint	30'	Cement Amo	The state of the s	Roll 2%	CC 276
Meas Line	Displace 4	141/486		380	2 125 2/6	CC ZAGA
EQUIPM			Common 72	ar for		
Pumptrk 16 No. Cementer Helper	avid		Poz. Mix	9		
Bulktrk 2/ No. Driver 50	uex		Gel. 7			
BUHRIK D. Wo. Driver RI			Calcium //			
JOB SERVICES	REMARKS		Hulls	***************************************		
Remarks: Cement d!	& Cisc	ulate	Salt	8		
Rat Hole	8		Flowseal			
Mouse Hole			Kol-Seal			
Centralizers		.,,	Mud CLR 48			
Baskets			CFL-117 or C	D110 CAF 38		*
D/V or Port Collar	1/2	3 10	Sand	3		
κ.		×	Handling 3	38	=	
Make and Make and April 1970 a 1974, in 2 may day and benefit and appropriate formation of the control of the c			Mileage			
			F 10	FLOAT EQUIPMI	ENT	
			Guide Shoe	Rubber	Oluar	
		***************************************	Centralizer		7 (	
			Baskets			
		2	AFU Inserts		a 8 10°	
			Float Shoe			
			Latch Down		* * * * * * * * * * * * * * * * * * * *	
		~~~				
				i i	and the second s	
			Pumptrk Char	ge Surface		
			Mileage 34	<i>l</i>		
			1	1/5	Tax	
· /	~	0	Tha	w)Ks	Discount	
X Signature / S	alle			<del></del>	Total Charge	

Phone 785-483-10/1 Home Office P.O. E Cell 785-324-1041 ጊ ጊ	lox 32 Hussell, KS 67665 No. 2818
Date 5-4-22 Sec. Twp. Range Ba	County State On Location Finish 12.35 PM
Bernstock - Janke Locat	ion Hitschmann - 2E 5 troto
Lease Well No.	Owner
Contractor Mwtin "16	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish
Type Job Longstring	cementer and helper to assist owner or contractor to do work as listed.
Hole Size 77/8" T.D. 3660'	Charge Patterson Energy
Csg. 55" Depth 3555'	Street
Tbg. Size Depth ♣	City State
Tool Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg. 38.59 Shoe Joint 38.59	Cement Amount Ordered 175 Com 10% Jah 5% Sits
Meas Line Displace 83348G	500 and mud Clear 48
EQUIPMENT	Common /75
Pumptrk No. Cementer Down	Poz. Míx
Bulktrk 14 No. Driver Tordon Clayton	Gel.
BUHRITA DIUNO, Driver RICK	Calcium
JOB SERVICES & REMARKS	Hulls
Remarks:	Salt 14
Rat Hole 36 5×	Flowseal
Mouse Hole N/A	Kol-Seal 750#
Centralizers 1, 4, 7, 10, 13	Mud CLR 48500 Fol
Baskets 2	CFL-117 or CD110 CAF 38
D/V or Port Collar Oice on bottom heak	Sand 196
"irrabation Durano 500 and mud	Handling
Clear 48 plucar Rothster Coment	Mileage
5x+ Casing w 1945 sx. Shutdow	FLOAT EQUIPMENT
wash orland & liner. Displaced	and the Triplex Shoe
Dlug ul 83 3/4 BU of 120	Centralizer 5
Released + Dis total Did	Baskets
NOT Hold	AFU Inserts
Lift onesure 700 H	Float Shoe
Land John to 1500 #	Latch Down
1 0	
Thut in a 630#	
	Pumptrk Charge Prod String
	Mileage 34
,	Tax Tax
	Discount Total Charge

Phone 785-483-1071 Cell 785-324-1041

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

No. 2814

Date 4-29-22 33	Twp. Ra	nge Bo	County	KS	On Location	5:30 PM
Besnotoef-Ja	nke	Locati	ion Hitsc	Lmann -	2E , 5/5	1000
Lease	Well No		Owner		ar july	
Contractor Murtin	7		To Quality O	ilwell Cementing, Inc		
Type Job Suface			cementer an	by requested to rent d helper to assist ow	cementing equipmenter or contractor to d	it and furnish o work as listed.
Hole Size 12/4"	T.D. 7	24'	Charge To		neray	
Csg. 85/8"	Depth	1241	Street			
Tbg. Size	Depth		City		State	
Tool	Depth			s done to satisfaction a		agent or contractor
Cement Left in Csg. 30	Shoe Joint	30'	Cement Amo		<b>A A A</b>	CC 27/6el
Meas Line	Displace 4	141/4BL	\$		1,50 0,70	
EQUIPM	IENT		Common 14	6		
Pumptrk   No. Cementer   Helper	lavid		Poz. Mix	4		
	ueg		Gel. 7			
Bulkirk D. Wo. Driver River			Calcium //			
JOB SERVICES	& REMARKS		Hulls			
Remarks: Cement of	& Circ	ulate	Salt	λ		
Rat Hole	8		Flowseal			
Mouse Hole		~	Kol-Seal			
Centralizers			Mud CLR 48	9		
Baskets			CFL-117 or C	D110 CAF 38		*
D/V or Port Collar	200	) w:	Sand	8		
x.		*	Handling 3	38		
			Mileage			-
			, j.	FLOAT EQUIPME	NT	
The state of the s			Guide Shoe	Kubber	oluar	
			Centralizer		)	
			Baskets			
			AFU Inserts		8 g	
	2.1		Float Shoe			
			Latch Down		*	
	5					
					100	
			Pumptrk Char	ge Surface	2 3	
	<i>Y</i>		Mileage 59	<i>V</i>		
			and .	K.S	Tax	
X Signature A-4 S	0 11	$\rightarrow$	Ma	wK3	Discount	
Signature /	- ne			<del>.,,</del>	Total Charge	

Phone 785-483-10/1 Cell 785-324-1041 ጊጊ	Hor	ne Office P	.U. B	OX 32 HU	ssell, K5 6/665		NO.	2818	
Date 5-4- 22 Sec.	Twp. 16	Range	1	County Conty	K3	On Local	ion	Finish	000
Barnstorf - Jav	ike -		Locatio	m Hits	chmann -	2E 5	TW	0	
Lease	We	ell No. 1		Owner					
Contractor Mwstin "1	b				Dilwell Cementing, Inc. eby requested to rent		uipment a	and furnish	
Type Job Longstchor				cementer ar	nd helper to assist ow	ner or contract	or to do v	vork as list	ed.
Hole Size	T.D.	3660		Charge To	latterson	Energ'	4		
Csg. 53"	Depth	3555	}	Street		ં પ			
Tbg. Size	Depth	+		City		State			
Tool	Depth .			The above wa	as done to satisfaction a				actor.
Cement Left in Csg. 35.59	Shoe Join	. 38.3	59'	Cement Am	ount Ordered 175	Com 1	0°650	H 5%	Sibo
Meas Line	Displace	833/41	365	500 ap	I mud Clea	48			
EQUIPM	MENT			Common	<i>'75'</i>				
Pumptrk   No. Cementer   Helper   D	2018			Poz. Mix					
Bulktrk 14 No. Driver Toriver	dan	Clauto	n	Gel.					
Bulkrik O. W. No. Driver R.		J		Calcium					
JOB SERVICES	& REMARK	(S		Hulls					
Remarks:				Salt /4					
Rat Hole 30 5>				Flowseal	ď				
Mouse Hole N/A				Kol-Seal	750#				
Centralizers 4,7,1	0,13			Mud CLR 4					
Baskets 2	1				CD110 ČAF 38			e e	
D/V or Port Collar 0 to	botter	n hea	k	Sand 19	6				
"icculation Dur	no 500	oal mu	1	Handling					
Clay 48 Olular R	art hate	Com	. 1	Mileage	ac,	7.			
5x+ casing will ge	15 sx.	5hut	door		FLOAT EQUIPM	ENT		•	
1 of anna depart	hes.	Displac		Guide Shoe	Triplex	$5h\alpha$			
Dlug ull 83 3/4	BUS	of 120	* :	Centralizer	5 [				
Released + 0	t cu	al, Di	L	Baskets					
NOT Hold	192 V			AFU Inserts	<b>S</b>				
Lift onesure	700	A		Float Shoe					
Land lolus to	1500	井		Latch Down					
	,				•				
Shut in a	630	#				8 8 8			
				Pumptrk Ch	arge 2 Drod	Strin	9		
				Mileage	341	y			
Andria	7			2	1		Tax		
50				Thai	NISS	Di	scount		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Signature Jon Plus				115	- The state of the	Total C	Charge	<i>3</i> 1	

## **AUSTIN B. KLAUS**

Cell 785.650.3629 Work 785.483.3145 Ext 225

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

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

Well Name: Bernstorf-Janke #11

API: 15-009-26349-00-00

**Location: Barton County** 

License Number: Region: Kansas

Spud Date: 04/28/2022 Drilling Completed: 05/03/2022

Surface Coordinates: Section 33, Township 16 South, Range 11 West

1,400' FNL & 1,350' FEL

Bottom Hole Vertical well w/ minimal deviation, same as above

Coordinates:

Ground Elevation (ft): 1,919 K.B. Elevation (ft): 1,924 Logged Interval (ft): 2,800 To: RTD Total Depth (ft): 3,660

Formation: Topeka - Granite Wash Type of Drilling Fluid: Chemical (Andy's Mud)

Printed by StripLog from WellSight Systems 1-800-447-1534 www.WellSight.com

### **OPERATOR**

Company: Patterson Energy, LLC

Address: PO Box 400

Hays, KS 67601

#### **GEOLOGIST**

Name: Austin Klaus

Company: John O. Farmer, Inc.

Address: PO Box 352

Russell, KS 67665

#### Comments

The Bernstorf-Janke #11 well was drilled by Murfin Drilling Company Rig #16 (Tool Pusher: Andy Dinkel).

The Bernstorf-Janke #11 well was drilled for utilization as a salt-water disposal well. Drill time was recorded, and rock samples were collected and evaluated from 2,600' - 3,660'. Several Lansing zones contained good porosity development with oil staining (see below). Good porosity development and fair oil shows were also encountered in the upper Arbuckle section. Structurally, the Bernstorf-Janke #11 ran very similar to the Bernstorf-Janke #1 (2/1980; located 415' southwest) at the Lansing and Arbuckle formations. Additionally, this well encountered the Reagan Sand and Granite Wash formations. On May 4, 2022, 5-1/2" casing was set on Bernstorf-Janke #11.











