KOLAR Document ID: 1589260

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:, (e.axxx.xxxxx)					
Name:	Datum: NAD27 NAD83 WGS84					
Wellsite Geologist:	County:					
Purchaser:						
Designate Type of Completion:	Lease Name: Well #:					
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:					
☐ Oil ☐ WSW ☐ SWD ☐ Gas ☐ DH ☐ EOR	Producing Formation: 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?					
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 □ Plug Back □ Liner □ Conv. to GSW □ Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)					
Committed and Downit #	Chloride content: ppm Fluid volume: bbls					
☐ Commingled Permit #: ☐ Dual Completion Permit #:	Dewatering method used:					
SWD Permit #:	Location of fluid disposal if hauled offsite:					
EOR Permit #:	·					
GSW Permit #:	Operator Name:					
	Lease Name: License #:					
Spud Date or Date Reached TD Completion Date or	Quarter Sec. Twp. S. 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 Nam	ne:			Well #:			
Sec Tw	pS. F	R [East	West	County:							
open and closed and flow rates if	, flowing and sh gas to surface t ty Log, Final Lo	nut-in pressurest, along wit	es, whe h final c ain Geo	ther shut-in pre hart(s). Attach physical Data a	essure reached extra sheet if r and Final Electr	station more : ric Loc	level, hydrosta space is needed	tic pressures, d.	bottom hole tempe	val tested, time tool erature, fluid recovery, Digital electronic log		
Drill Stem Tests (Attach Addit			Ye	es No		Lo	og Formatio	n (Top), Deptl	n and Datum	Sample		
Samples Sent to	Geological Sur	vey	Ye	es 🗌 No		Name)		Тор	Datum		
Cores Taken Electric Log Run Geologist Repor List All E. Logs F	t / Mud Logs		Y€ Y€	es No								
			Repo		RECORD [Nev	w Used rmediate, producti	on. etc.				
Purpose of St		ze Hole Orilled	Siz	e Casing (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives		
				ADDITIONAL	OF MENTING /							
Purpose:	[Depth	Typo	of Cement	# Sacks Use		EEZE RECORD	Typo a	nd Percent Additives			
Perforate Protect Ca Plug Back	Top	Bottom	туре	or cement	# Sacks Use	,u		туре а	ia reicent Additives			
Plug Off Z												
Did you perform Does the volum Was the hydraul	e of the total base	fluid of the hyd	draulic fra	cturing treatmen		•	Yes ns? Yes	No (If No	, skip questions 2 an , skip question 3) , fill out Page Three o	,		
Date of first Produ	ction/Injection or	Resumed Produ	uction/	Producing Meth			Coolift 0	thor (Fundain)				
Estimated Produc	otion	Oil Bb	le.	Flowing Gas	Pumping Mcf	Wate		ther <i>(Explain)</i> bls.	Gas-Oil Ratio	Gravity		
Per 24 Hours		Oli Bb	15.	Gas	IVICI	vvale	ı Di	JIS.	Gas-Oil Hallo	Gravity		
DISPO	OSITION OF GAS	S:		N	METHOD OF CO	MPLE.	TION:		PRODUCTIO	N INTERVAL:		
Vented	Sold Use	d on Lease		Open Hole				nmingled	Тор	Bottom		
(If vente	ed, Submit ACO-18	.)			(5	SUDITIIL I	ACO-5) (Subi	mit ACO-4)				
Shots Per Foot	Perforation Top	Perforation Bottom	on	Bridge Plug Bridge Plug Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)						Record		
TUBING RECOR	D: Size:		Set At:		Packer At:							

Form	ACO1 - Well Completion
Operator	Patterson Energy LLC
Well Name	MUELLER 1
Doc ID	1589260

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	24	353	80/20	190	3%cc/2%g el
Production	7.	7.875	17	3318	common	200	10%salt/5 % gilsonite

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

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

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

No. 2224

10.11	Sec.	Twp.	Range		County	S	tate	On	Location	Finish
Date 5/1/2021	1	18	11		ton	(100)	nsas	DZ IT		7:30pm
			19B	- Aller	on Claf	1.50	1.5 F	1/4 5	Winn	0
Lease Mueller			Well No.		Owner	I-7-1-1-				0 0
Contractor Mur fin	Drill	ins	- M		To Quality Oi	lwell Cen	menting, Inc.			
Type Job Surface	You are here cementer and	by reque d helper t	sted to rent to assist ow	cementir ner or co	ntractor to d	it and turnish o work as listed.				
Hole Size 124	. 100 - 100 - 10 - 10 - 10 - 10 - 10 - 1	T.D.	353		Charge To	atte.	rson F	neral	,	
Csg. 8 %		Depth	349-55		Street			11	0 180 0 8	
Tbg. Size		Depth			City			State	and the latest terminal and th	e 18
Tool	1	Depth			The above was	s done to	satisfaction a	nd superv	sion of owner	agent or contractor.
Cement Left in Csg. 20) /	Shoe J	oint 20 1		Cement Amo		red /90	3%	3%cc	2%901
Meas Line	200	Displac	~ ·							
	EQUIPM	MENT	St. 4. 6	a .	Common /	52	124		a w 1 1 1	- at
Pumptrk / 8 No. Cemer Helper		m			و Poz. Mix	38	8	5 1		
Bulktrk 9 No. Driver	Tou	1x			Gel. 3		2 0	4 1,0	- W	· I w
Bulktrk PU No. Driver	Paú	d			Calcium 7	14		£ 5	er = 3	
JOB SEF	RVICES	& REMA	RKS		Hulls		0 1			0 5 mm · · · · · ·
Remarks:		1)			Salt					8 8 11 12
Rat Hole		-			Flowseal					11 11 70 7
Mouse Hole					Kol-Seal	1			12 2	
Centralizers		V 1			Mud CLR 48			8		g g 1 2
Baskets					CFL-117 or C	D110 CA	AF 38			
D/V or Port Collar		- N.G L.			Sand	40.0	2.0			
15	er and				Handling 9	00		4	F = 1	17
Ran 8 3/8 Bys	1 est	- Circ	culation		Mileage	ilgar-en Stabili		e ja jandara. Lipandara	St. P. S. A. Prinser, S. Co.	
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	Harris Mile		- 3415		Guide Shoe	100	tronevelse.			
		car y		era e	Centralizer		e 65			W
					Baskets					
	.ethi is	gelenger.	A na chair	j. F	AFU Inserts		N CA SEC	ter grad	Dar .	7 = 2
					Float Shoe					6
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in the second se		*** = **** - *** - *** - *** - *** - *** - *** - *** - *** - *** - *** - *** - *** - *** - *** - *** - *** - **						1.4		
	907		S W							-150
Cement D	id	V.	Circula	xe	Pumptrk Char	ge S	urface			
3			•		Mileage 25	2		upper 1		
no n Francisco						1,	*:		Tax	2 10 10
1	. /				Mar	JR>			Discount	,
Signature AMO C	bo	700	5		9/11/0			To	tal Charge	18 (11)
				/						

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

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

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

No. 2228

4				1							
	Sec.	Twp.	Range		County	State	On Location	Finish			
Date 5/6/21	<u> </u>	18		Ba	rten	Kansas	3 B B W	12:30pm			
. 11				Locati	on Claft	in 1.5E /	45 Winto	,			
Lease Mueller			Well No.		Owner		*log n n ≥				
Contractor Mus fin	ing			To Quality Oi	ilwell Cementing, Inc. by requested to rent o	rementing equipmen	t and furnish				
Type Job Long Stri				cementer and	d helper to assist own	er or contractor to do	work as listed.				
Hole Size 7 %		تر T.D.	320		Charge To	atterson	Energy	E 9			
Csg. 51/2		Depth	3328,5	8	Street		11	4			
Tbg. Size		Depth			City State						
Tool		Depth			The above was	s done to satisfaction an	d supervision of owner	agent or contractor.			
Cement Left in Csg. 44.0	5	Shoe Jo	oint 44_05	•	Cement Amo	ount Ordered 200 a	com 10% 59.1+	5% cilcons			
Meas Line		Displace	e 76.29	•	20666	KCL Sooge	I mud Clea	7.5000			
	QUIPMI	ENT			Common 20	50	· ·	, a s			
Pumptrk 16 No. Cement Helper	ter Dau	n'ol			Poz. Mix						
Bulktrk 9 No. Driver	Ton	/			Gel.		a car P to Bo				
Bulktrk No. Driver Driver	-				Calcium						
/ JOB SER	VICES &	REMA	RKS	W 10	Hutts RC	L 2 cal	2				
Remarks:			9		Salt 1,4	1	K 18				
Rat Hole 30 5ks		ANTA EL		-	Flowseal						
Mouse Hole 20 5ks	10 P	70	(f)		Kol-Seal 73	OH					
Centralizers					Mud CLR 48	500 gal					
Baskets						D110 CAF 38		E			
D/V or Port Collar		NG CO	in _{eals}	7	Sand						
	and Miles			46	Handling 2	2//					
Ran cog ve	5t- C	ive	ulation		Mileage	ra militarejanj					
						FLOAT EQUIPME	[N S S			
pumped 500g	ol M	u ob	clear		Guide Shoe						
followed by					Centralizer	6		# DESCRIPTION OF THE PROPERTY			
mixed 30 sk					Baskets						
	Mou			100	AFU Inserts		and the second				
	Sulf	2.00	-ith 150s	sks	Float Shoe						
displaced 106			0 1	438	Latch Down	i					
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	2				1	- AKS	Discount	7 0			
Signature Ton Bere	2n_				Tho	anks	Total Charge				
			Market and the control of the contro				49 C 87 E	= ₂₁			

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: Mueller #1

API: 15-009-26301-00-00

Location: Barton County

License Number: Region: Kansas

Drilling Completed: 5/5/2021 Spud Date: 5/1/2021

Surface Coordinates: Section 1, Township 18 South, Range 11 West

330' FNL & 660' FEL

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

Coordinates:

Ground Elevation (ft): 1,800 K.B. Elevation (ft): 1,811 To: RTD Logged Interval (ft): 2,500 Total Depth (ft): 3320

Formation: Topeka - Arbuckle

Type of Drilling Fluid: Chemical (Mud Co.)

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 Mueller #1 well was drilled by Murfin Drilling Company Inc. Rig #7.

Drilling time was recorded and rock samples were collected and evaluated from 2,500'- 3320'. Oil shows were encountered in the Lansing/Kansas City C, J, K and Arbuckle. Structurally, the LKC top was picked flat to the comparison well, located 330' west (J. Mueller #3: 1938-71'). Structure remained consistent throughout the LKC and the Arbuckle top was also picked flat to the comparison well. After comprehensive evaluation of all oil shows, electric logs, and structural position, it was decided that 5-1/2" production casing be set to further evaluate the Mueller #1 on May 6, 2021.









