KOLAR Document ID: 1705425

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				
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)  Datum: NAD27 NAD83 WGS84				
Wellsite Geologist:					
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:				
	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	Drilling Fluid Management Plan				
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)				
	Chloride content: ppm Fluid volume: bbls				
Commingled Permit #:	Dewatering method used:				
Dual Completion Permit #:					
EOR Permit #:	Location of fluid disposal if hauled offsite:				
GSW Permit #:	Operator Name:				
	Lease Name: License #:				
Canad Date on Date Decembed TD Completing Date on	Quarter Sec TwpS. R				
Spud Date or Date Reached TD Completion Date or 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 III 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	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	Shots Per Perforation Perforation Foot Top Bottom Type Set At Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)						Record		
TUBING RECORD:	Size:	Set /	At:	Packer At:					
. 5213 (1200) 10.	JIEG.			. 30.0.71					

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	SUTOR-ZIEGLER 12
Doc ID	1705425

### All Electric Logs Run

Micro Resistivity
Compensated Density Neutron
Dual Induction
Cement Bond

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	SUTOR-ZIEGLER 12
Doc ID	1705425

### 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	223	80/20 Pozmix	190	3% C.C., 2% gel
Production	7.875	5.50	15.50	4028	QMDC		1/4# floseal, 500 gal. M.F.



P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

#### **DRILLER'S LOG**

Operator: John O. Fa	NAME OF THE OWNER OWNER OF THE OWNER OWNE				
	Wichita Avenue - P.O. Box 3	352	PO Box 763		
Russell, K	S 67665 + 0352		Hays, KS 67601		
Lease: Sutor-Zieg	ler # 12	Location:	1950 FN - 1350 FEL		
			SE/NE/SW/NE		
			Section 30/ 8S/ 26W		
			Sheridan County, KS		
Loggers Total Depth:	( <del></del>		179-21,493-00-00		
Rotary Total Depth:			2592 GL - 2600 KB		
Commenced:		Completed:			
Casing:	8 5/8" @ 223'W/190sks	Status:	Injection Well		
	5.5" @ 402 <b>g</b> "W/175sks				
	DV Tool @ 2210' W/400sk (Cement Circuiated to Surf				
		HS & FORMATIONS			
		(All from KB)			
Surface, Sand & Sha	les <u>0'</u>	Shale	2253'		
Dakota Sand	1321'	Shale & Lime	e <u>2458'</u>		
Shale	1384'	Shale	2825'		
Cader Hill Sand	1819'	_ Shale & Lime	e <u>3138'</u>		
Red Bed Shale	2021'	Lime & Shal	e <u>3694'</u>		
Anhydrite	2220'	RTD	4030'		
Base Anhydrite	2253'	_			
STATE OF KANSAS					
COUNTY OF ELLIS	) ss )		1		
	m of Discovery Drilling state: ping is a true and correct log				
		Thomas H. Alm	19		
Subscribed and swor	n to before me on	13-2023			
My Commission expi	res: <u>6-28-2026</u>		~		
(Place stamp or seal	below)	V Jura	3. Hoffman		
	RNA S. HOFFMAN NOTARY PUBLIC STATE OF KANSAS pp. Exp. 6-28-2026	restary i abile			

## 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. 3326

To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.  Hole Size / 2 / 7		Sec.	Twp.	Range		County	State	On Location	Finish	
Lesse S. L. L. De Contractor J. S. C. O. L. De Contractor J.	Date 7-6-23	30	8	26	She	eidan	L Ks		7:45 Pm	
Contractor OSC ONNE Types Job JURIFACE  Those Job JURIFACE  Those Job JURIFACE  Those Size Jury  The Job JURIFACE  Those Size Jury  To Cualiby Cilivell Cementing, Inc. You are hereby requested to rent comenting equipment and furnish cementer and helper to assist owner or contractor to do work as listed.  Charge J.O. FIRMINE  To J.O. J.O. FIRMINE  To J.O. J.O. FIRMINE  To J.O. J.O. J.O. J.O. J.O.  To J.O. J.O. J.O. J.O. J.O. J.O. J.O.  To J.O. J.O. J.O. J.O. J.O	•				Location	on 1/11/ Ci	ty 23 W	SIE		
Vou are hereby requested to rent cementing equipment and furnish cementer and helper to assist womer or contractor to do work as listed.  The slob   VERFACE   Hole Size	Lease SUTOR - ZIEGLER Well No. 12									
Commenter and helper to assist owner or contractor to do work as listed.   Charge   J.O. FARMER							it and furnish			
To J. J. F.					cementer an	d helper to assist ow	ner or contractor to d	o work as listed.		
Tool Depth City State  Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.  Cement Left in Csg. / Shop Joint Cement Amount Ordered / 90 x ct / 20 - 3 - 2    Common / 52	Hole Size / 2-4		T.D.	223		Charge To	O. FARM	= R		
Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.  Cement Left in Csg. / S Shoe Joint Cement Amount Ordered / 90 H (10/30-3 - 2.)  Meas Line Displace / 3 C EQUIPMENT Common / 52	Csg.		Depth			Street				
Cement Left in Csg. / S   Shoe Joint   Cement Amount Ordered   90 m (3-)-30-3-2    Meas Line	Tbg. Size		Depth			City		State		
Meas Line Displace / 3 - 7  EQUIPMENT Common / 5 2  Pumptrk / 6 No. Cementer B. /// Poz. Mix. 3 8  Bulktrk No. Diver Gel. 3  Bulktrk No. Diver Driver Calcium / Calciu	Tool		Depth			The above wa	s done to satisfaction a	nd supervision of owner	agent or contractor.	
EQUIPMENT  Pumptrk / 6 No.   Cementer   R.   / /   Poz. Mix. 3   Received   Received   Poz. Mix. 3   Received	Cement Left in Csg. /_ S		Shoe J	oint ,		Cement Amo	ount Ordered 19	10x 50/20-3	2 - 2	
Pumptrk / 6 No. Dementer Helpper Poz. Mix. 38 Bulktrk No. Driver Gel. 3 Bulktrk No. Driver Gel.	Meas Line			e 13-4	1		-			
Pumptrk	- 1 Com		MENT	<del>  ***</del>		Common / 5	52			
Bulktrk No. Driver   Gel. 3 Bulktrk No. Driver   Calclum 7  JOB SERVICES & REMARKS   Hulls    Remarks:   Salt    Rat Hole   Howseal    Mouse Hole   Kol-Seal    Centralizers   Mud CLR 48    Baskets   CFL-117 or CD110 CAF 38    D/V or Port Collar   Sand    Sand   Handling 100    Central 1904   Mileage    Centralizer    Baskets   AFU Inserts    Float Shoe    Latch Down    Pumptrk Charge    Mileage    Tax    Discount	Pumptrk / 6 Helps	er				Poz. Mix 3	<u> </u>			
Bulkrik Driver Calcium  JOB SERVICES & REMARKS Hulls  Remarks: Salt  Rat Hole Flowseal  Mouse Hole Koi-Seal  Centralizers Mud CLR 48  Baskets  DN or Port Collar Sand  Lentry 19924 Mileage  FLOAT EQUIPMENT  Guide Shoe  Centralizer  Baskets  AFU Inserts  Float Shoe  Latch Down  Pumptrk Charge  Mileage  Tax  Discount	Bulktrk Drive	r		TUTLIC		Gel. 3			W. D. L. L. W. D. L. L. L. W. D. L.	
Remarks: Rat Hole Rouse Hole Kol-Seal  Centralizers Mud CLR 48 Baskets D/V or Port Collar Sand Handling JOD Mileage FLOAT EQUIPMENT Guide Shoe Centralizer Baskets AFU Inserts Float Shoe Latch Down  Pumptrk Charge Mileage Tax Discount	Bulktrk No. Drive			Tim	-	Calcium 7				
Rat Hole  Mouse Hole  Centralizers  Baskets  D/V or Port Collar  Sand  Handling 200  Centry 1904  Pumpth Circle  Baskets  AFU Inserts  Float Shoe Latch Down  Pumpth Charge  Mileage  Pumpth Charge  Mileage  Tax Discount	JOB SE	RVICES	& REMA	RKS		Hulls				
Mouse Hole  Centralizers  Baskets  D/V or Port Collar  Sand  Sand  Handling 100  Central 1992  Auril 1992  Central 200  FLOAT EQUIPMENT  Guide Shoe  Centralizer  Baskets  AFU Inserts  Float Shoe  Latch Down  Pumptrk Charge  Mileage  Tax  Discount	Remarks:					Salt				
Centralizers  Baskets  CFL-117 or CD110 CAF 38  D/V or Port Collar  Sand  Left P 223  Handling 200  Mileage  FLOAT EQUIPMENT  Centralizer  Baskets  AFU Inserts  Float Shoe  Latch Down  Pumptrk Charge  Mileage  Tax  Discount	Rat Hole					Flowseal				
Baskets  D/V or Port Collar  Sand  Let e 223  Handling 200  Mileage  FLOAT EQUIPMENT  Cent D'D Cire,  Guide Shoe  Centralizer  Baskets  AFU inserts  Float Shoe  Latch Down  Pumptrk Charge  Mileage  Tax  Discount	Mouse Hole					Kol-Seal				
DN or Port Collar  Sept e 323 Handling 200 Central 1904 Mileage FLOAT EQUIPMENT  Centralizer Baskets AFU Inserts Float Shoe Latch Down  Pumptrk Charge Mileage  Tax Discount	Centralizers					Mud CLR 48				
Set e 323 Centu 1904 Mileage  FLOAT EQUIPMENT  Cent DiD Circ.  Guide Shoe  Centralizer  Baskets  AFU Inserts  Float Shoe  Latch Down  Pumptrk Charge  Mileage  Tax  Discount	Baskets					CFL-117 or	CD110 CAF 38			
Mileage  FLOAT EQUIPMENT  Guide Shoe  Centralizer  Baskets  AFU Inserts  Float Shoe  Latch Down  Pumptrk Charge  Mileage  Tax  Discount	D/V or Port Collar					Sand				
Pump plug w 13-bbls Guide Shoe Centralizer Baskets AFU Inserts Float Shoe Latch Down  Pumptrk Charge Mileage  Tax Discount	Set e 22	3	·			Handling 2	00			
Guide Shoe Centralizer Baskets AFU Inserts Float Shoe Latch Down  Pumptrk Charge Mileage  Tax Discount	Centul 190	2/				Mileage				
Centralizer Baskets AFU Inserts Float Shoe Latch Down  Pumptrk Charge Mileage Tax Discount	- pump pluge	1) 13	4,66	<u> </u>	1.110.63		FLOAT EQUIPN	MENT		
Centralizer  Baskets  AFU Inserts  Float Shoe  Latch Down  Pumptrk Charge  Mileage  Tax  Discount	(ent-DID	Cir	ر في			Guide Shoe				
AFU Inserts Float Shoe Latch Down  Pumptrk Charge Mileage  Tax Discount						Centralizer				
Float Shoe Latch Down  Pumptrk Charge Mileage  Tax Discount	2.5					Baskets				
Latch Down  Pumptrk Charge  Mileage  Tax  Discount						AFU Inserts				
Pumptrk Charge  Mileage  Tax  Discount	·					Float Shoe				
Mileage Tax Discount										
Mileage Tax Discount										
Mileage  Tax  Discount			**							
Mileage  Tax  Discount						Pumptrk Ch	narge			
Tax Discount							<del>-</del>			
								Tax	<	
X Signature la Lurerto Total Charge	0		$\overline{}$				· · · · · · · · · · · · · · · · · · ·	Discoun	t	
	X Signature	7.5	Ju	urto		1	\$	Total Charge	9	

# 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.3332

<i>2</i> 1	Sec.	Twp.	Range	1	County	State	On Location	Finish			
Date 2-11-23	30	8	26	She	CIDAU	<u> </u>		6,15 Ar			
	FOIE	FR [		Location	on Hill City 2.3 w SSE						
Lease SUTOR - 2	<b>7</b>	T I	Well No. 12		Owner	, , , , , , , , , , , , , , , , , , , ,					
Contractor VIS	POURL				You are here	ilwell Cementing, Inc by requested to rent	cementing equipmen	nt and furnish			
Type Job Lang String					J	d helper to assist ow	ner or contractor to c	o work as listed.			
Hole Size 7 3		T.D.	4030		Charge To	1,0, FAI	2MER				
Csg. St	***	Depth			Street						
Tbg. Size	-	Depth			City		State	A *****			
Tool		Depth		<del></del>	The above wa	as done to satisfaction a	nd supervision of owne				
Cement Left in Csg. 3	20	Shoe J		20		ount Ordered אַנקין	y Com 1090 Sol	t still			
Meas Line		Displac	ce 95	~ * * * * * * * * * * * * * * * * * * *	4002189	20 QUADE 4 #10	seo/ 500 ce/m	<u> </u>			
	EQUIP				Common /	75	- /				
Pumptrk 17 No. Come Helpe	er	3; 1/			Poz. Mix						
Bulktrk No. Drive	r	TICK			Ger. KCA	- 2 gol					
Bulktrk No. Drive		Fall	-		Calcium	,					
JOB SE	RVICES	& REM	ARKS		Hulls						
Remarks:					Salt /5						
Rat Hole IS					Flowseal 875 H						
Mouse Hole .30					Kol-Seal						
Centralizers - 7					Mud CLR 48						
Baskets - 2				***************************************	CFL-117 or	CD110 CAF 38					
D/V or Port Collar			,		Sand						
piresote	400	χg. <sup>S</sup>	<b>7</b>		Handling/92						
shoe 5+	<u> </u>	0, 2	0	. 4	Mileage						
Insert	<u> 399</u>	B. 3	? 4	5.47		FLOAT EQUIPN	IENT				
****					Guide Shoe						
pump Songal 1	=/o.sh			٠	Centralizer ·	. 3					
Cent W 175H					Baskets •						
pump plugul	451	bls.			AFU Inserts						
1 / 1 / /		*			Float Shoe						
					Latch Down						
Liand plus e					D.U.						
Flogt DiD &	old				of the same		,				
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X Signature My J	asell	-				,	Total Charg	е			
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## 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: Sutor-Ziegler #12

API: 15-179-21493-00-00 Location: Sheridan County

License Number: Region: Kansas
Spud Date: 2/6/2023 Drilling Completed: 2/11/2023

Surface Coordinates: Section 30-Township 8 South-Range 26 West

1,950' FNL & 1,350' FEL

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

Coordinates:

Ground Elevation (ft): 2,592 K.B. Elevation (ft): 2,600 Logged Interval (ft): 3,300 To: RTD Total Depth (ft): 4,030

Formation: Topeka-Lansing-Kansas City

Type of Drilling Fluid: Chemical (Andy's Mud & Chemical Co.)

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

#### **OPERATOR**

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

#### **Comments**

The Sutor-Ziegler #12 well was drilled by Discovery Drilling Rig #4 (Ryan Gaschler).

The Sutor-Ziegler #12 was drilled to serve as a water-injection well for secondary oil recovery on the Sutor-Ziegler Unit WF (4 active producing wells). Structurally, this well ran slightly lower than expected, according to 3D seismic. The Lansing-Kansas City was picked 6' low to the comparison well (Ziegler #6, 3,845' FSL & 2,310' FEL). Geologic samples were collected and 1' drill time was recorded from 3,300'-4,030'. The geologist noted fair-good development with oil shows in the Toronto, Lansing A,B,C,F,H, & K zones. 5 1/2" production casing was set on February 11, 2023 to prepare this well for water injection.





