KOLAR Document ID: 1705484

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:	SecTwpS. R East West				
Address 2:	Feet from North / South Line of Section				
City:	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.xxxxxx) (e.gxxx.xxxxxx)				
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84				
Purchaser:	County:				
Designate Type of Completion:	Lease Name: Well #:				
New Well Re-Entry Workover	Field Name:				
	Producing Formation:				
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:				
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:				
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet				
CM (Coal Bed Methane)	Multiple Stage Cementing Collar Used? Yes No				
Cathodic Other (Core, Expl., etc.):	If yes, show depth set: Feet				
If Workover/Re-entry: Old Well Info as follows:					
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)				
Commingled Permit #:	Chloride content:ppm Fluid volume:bbls				
Dual Completion Permit #:	Dewatering method used:				
SWD Permit #:	Location of fluid disposal if hauled offsite:				
EOR Permit #:	Location of haid disposal in hadica offsite.				
GSW Permit #:	Operator Name:				
_	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:

KOLAR Document ID: 1705484

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		Type and F	Percent Additives	
Protect Casi								
Plug Off Zon								
 Did you perform a Does the volume o Was the hydraulic 	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 I 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 11
Doc ID	1705484

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 11
Doc ID	1705484

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	180	3% C.C., 2% gel
Production	7.875	5.50	15.50	3928	Common	175	10% salt, 5% gilsonite, 500 gal. M.F.



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

STATE OF KANSAS
STATE OF KANSAS
My App. Exp. 6-28-2026

DRILLER'S LOG

Operator: John O. Fa	armer, Inc.	Lic# 5135 Contractor:	Discovery Drilling Co., Inc. LIC#31548			
370 West 1	Wichita Avenue - P.O. Box 3	352	PO Box 763			
Russell, K	S 67665 + 0352		Hays, KS 67601			
Lease: Sutor-Zieg	ler # 11	Location:	1300 FNL - 1740 FWL			
			SE/SW/NE/NW			
			Section 30/ 8S/ 26W			
			Sheridan County, KS			
Loggers Total Depth:	3924'	API#15-	179-21,494-00-00			
Rotary Total Depth:			2509 GL - 2517 KB			
Commenced:		Completed:				
	8 5/8" @ 22 3 'W/180sks		Injection Well			
	5.5" @ 3928'W/175sks					
	DV Tool @ 2130'W/355sks					
	(Circulated 15sks to Pit)	10.0.500111.510110				
	DEPTI	IS & FORMATIONS (All from KB)				
		(· · · · · · · · · · · · · · · · · ·				
Surface, Sand & Shall	les <u>0'</u>	Shale	2160'			
Dakota Sand	1259'	Shale & Lime	2479'			
Shale	1352'	Shale	2794'			
Cader Hill Sand	1699'	Shale & Lime	3087'			
Red Bed Shale	1913'	Lime & Shale	<u>3647'</u>			
Anhydrite	2125'	RTD	3930'			
Base Anhydrite	2160'	-				
STATE OF KANSAS)))					
COUNTY OF ELLIS) ss)		1			
Thomas H. Alr the above and forego	m of Discovery Drilling state oing is a true and correct log	s that to the best of his know	vledge I.			
Subscribed and swor	In to before me on 2	8-2023				
My Commission expir	res: <u>6-28-202</u>	6	1 /			
(Place stamp or seal	below)	Notary Public	yena S. Hoffman			
SPRY PIS MYF	RNAS. HOFFMAN	rectary i dollo	Č.			

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. 3250

101.	Sec.	Twp.	Range	County	State	On Location	3 USO			
Date /-3/-23	30	L8_	26	Sherido	N Ks		3.45pm			
_		Г			City 23 W TO	0 fd 90F				
Lease Sutor-Zie	gler		Well No. 1		3 & SAE TO,	Rīg				
Contractor Discour	/			You are	ty Oilwell Cementing, Ir hereby requested to rea	nt cementing equipme	nt and furnish			
Type Job SUR FA	ce			cemente	cementer and helper to assist owner or contractor to do work as listed.					
Hole Size 124		T.D.		Charge To t	T.O. FARM	ER				
Csg. 8 3		Depth	223	Street						
Tbg. Size		Depth		City		State				
Tool		Depth		The abov	e was done to satisfaction	and supervision of owner	r agent or contractor.			
Cement Left in Csg. /	5	Shoe J	loint	Cement	Amount Ordered /	8021 80/2	03-2			
Meas Line		Displac	ce 13-4							
	EQUIP	MENT	- 12 - 11	Commo	143					
Pumptrk / No. Ceme Helpe	er	~~~	B; 1/ Diell	Poz. Mix	35 <u>35</u>					
Bulktrk No. Drive	r		75 1010	Gel.	3					
Bulktrk 20 No. Drive		~~~~	Tim	Calcium	7					
JOB SE	RVICES	& REMA	ARKS	Hulls	Hulls					
Remarks:				Salt	Salt					
Rat Hole				Flowsea	Flowseal					
Mouse Hole				Kol-Sea	Kol-Seal					
Centralizers		•		Mud CL	Mud CLR 48					
Baskets				CFL-11	CFL-117 or CD110 CAF 38					
D/V or Port Collar				Sand	Sand					
lot e 2	23			Handlin	190		****			
cent w/ 1	80M			Mileage		**************************************				
pump plus	4/	3-4			FLOAT EQUIPMENT					
Cent Did	TIRE	-		Guide S	Guide Shoe					
				Centrali	zer		***************************************			
				Baskets						
				AFU Ins	erts					
			~ · · · · · · · · · · · · · · · · · · ·		Float Shoe					
					own	dentitation (Mathetic and a second a second and a second				
-74			- 1000-i-i							
				Pumntrl	Charge Sus	face				
				Mileage		· DCC				
				ivilicaye		Ta	x			
<u> </u>					Thanks.	Discour				
X Signature Wy	Daral	he		TRACTICAL PROPERTY OF THE PROP	I Now.	Total Charge				
Cigilature 1 -						rotal Onalg	'			

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. 3453

Cell 703-324-1041	
Date 2 - 5-23 Sec. Twp. Range She	County State On Location Finish PM
<u> </u>	tion Hill City-23Wto SRd 90E, MyS, IE
Contractor Scaueru 44	To Quality Oilwell Cementing, Inc.
31)	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
1-74 h - 2020	Charge
2019	10 Sent O Parties
Tbg. Size /S. St # Depth Depth	Street
7.000 1.000	City State
// // //	The above was done to satisfaction and supervision of owner agent or contractor. Cement Amount Ordered 175 Cm 105 Salt 55
0-1/ 01	
Meas Line Displace 78 1/2 DC	6.1001110
// No Cementer \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Common / 75
Pumptrk / B Helper Paula NICK	Poz. Mix
Bulktrk 20 Driver 11 7	Gel.
Bulktrk O/ Driver DSW (Calcium MUL 2 gold
JOB SERVICES & REMARKS	Hulis
Remarks: 42 W 50 1/2 mud	Salt /5
Rat Hole	Flowseal
Mouse Hole ·	Kol-Seal 8754
Centralizers 1,35,7,9,11, 43	Mud CLR 48
Baskets d NShirt & 444 12, Bekw D	V CFL-117 or CD110 CAF 38
D/V pr Port Collar & 44 2136	Sand
Dipe on bottom break Circulation	Handling 198
Dump Suo gal mud Clear 20 Bis)	KU Mileage
space(mix 1755x Cenent. Show	FLOAT EQUIPMENT
Lown wash pump + likes Displaced	Guide Shee DV TOO
plum w/ 1924/BLS HZD+ mind	Centralizer
	Baskets 2
Lift passure 700 4,	AFULDSONS / Limit Clamb
	Float Shoe
Land Oliver 1500 H	Latch Down
OPEN tool 900 #	
1801	Potton
	Pumptrk Charge Drod String Stage
	Mileage 50
	Thanks Discount
X Signature Us Mass	Total Charge
Organization Company	

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. 3454

' A	ec. Twp.	Range	C	County Sold An	KS State	On Location	8 YSPM	
Sutor = Ziea	be(_		Location	11.33 (0.)	tu -23W to	58290E.	445, 1E to	
Lease		Vell No.	1	Owner 00	RX 145,	"IInto		
Contractor Discover	<u>44</u>	-			ilwell Cementing, Inc by requested to rent	•	ent and furnish	
Type Job Top 570	(A)			cementer an	d helper to assist ow			
Hole Size フッタ	T.D.	3930	•	Charge \(\square\)	John O	Farmer		
Csg. 5 ¹ / ₄ [*]	Depth	3928,		Street				
Tbg. Size	Depth			City	· · · · · · · · · · · · · · · · · · ·	State		
Tool DO Tool	Depth	9130,		The above wa	as done to satisfaction a	supervision of own	er agent or contractor.	
Cement Left in Csg.	Shoe Jo			Cement Amo	ount Ordered 406	O MDC	1/4 # Flu-seal	
Meas Line	Displace	<u> 50 % 1</u>	<u>bls</u>		est so			
	UIPMENT	1 -		Common//	20 % 20 QN	DC.		
Pumptrk 16 No. Cementer Helper No. Driver	David	Kick		Poz. Mix				
Bulktrk Pt Driver	OUK			Gel.				
Buktrk 20 Driver	°~ √			Calcium				
JOB SERVI	CES & REMA	RKS		Hulls				
Remarks:				Salt				
Rat Hole 305X				Flowseal JOOTE				
Mouse Hole / S SX				Kol-Seal				
Centralizers				Mud CLR 48	3			
Baskets	·			CFL-117 or	CD110 CAF 38			
D/V or Port Collar 2136				Sand	<i>*</i> .			
Borak Circul		Dlug Ka	44	Handling 4	<i>f00</i>			
	ment	1706 27	TONE	Mileage				
	Sworg	JHILL !	Dwork		FLOAT EQUIPN	IENT		
Displaced Philo	$\omega / 50$	JVZ BLS!	750	Guide Shoe				
	1 - 0 7	· · · · · · · · · · · · · · · · · · ·		Centralizer				
Closed tool	1500	<u>, 4, </u>		Baskets				
Neleased + K	i apped	gans !		AFU Inserts				
	13/1	no		Float Shoe				
_ cement	did	Circula	te_	Latch Down	l			
				<u> </u>				
				<u> </u>			70P	
				Pumptrk Ch	narge Drod	String	5 tage	
TARACHAR BUTTONIA SOURCE				Mileage 5	O_{\perp}			
				1	anks		ax	
X M IN-				1 - 1 m	anks	Discou		
X Signature		www		1	-	Total Char	ge [



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 #11

API: 15-179-21494-00-00 Location: Sheridan County

License Number: Region: Kansas Spud Date: 1/31/2023 Drilling Completed: 2/4/2023

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

1,305' FNL & 1,760' FWL

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

Coordinates:

Ground Elevation (ft): 2,509 K.B. Elevation (ft): 2,517 Logged Interval (ft): 3,200 To: RTD Total Depth (ft): 3,930

Formation: Topeka-Lansing-Kansas City

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

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 #11 well was drilled by Discovery Drilling Rig #4 (Ryan Gaschler).

The Sutor-Ziegler #11 was drilled to serve as a water-injection well for secondary oil recovery on the Sutor-Ziegler WF Unit (4 active producing wells). Structurally, this well ran as expected, according to 3D seismic. The Lansing-Kansas City and Toronto tops were picked 2' high to the comparison well (Sutor #6, 3,630' FSL & 2,970' FEL). Geologic samples were collected and 1' drill time was recorded from 3,550-3,930'. The geologist noted good development with oil shows in the Toronto, Lansing A,B,C,F,H,J, & K zones. 5 1/2" production casing was set on February 5, 2023 to prepare this well for water injection.





