KOLAR Document ID: 1515183

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						
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.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 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)						
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 if hadica offsite.						
GSW Permit #:	Operator Name:						
	Lease Name: License #:						
Spud Date or Date Reached TD Completion Date or	QuarterSec TwpS. 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 Yes No Electric Log Run Yes No Geologist Report / Mud Logs Yes No List All E. Logs Run:											
		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 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	Reef Operating, Inc.
Well Name	WALZ STAR 2 SWD
Doc ID	1515183

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	220	80/20	150	3%cc/2%g el
Production	7.785	5.5	15.5	3857	60/40		2% gel/12%s alt

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107 No. 193 No. 1935

one 785-483-1071	Home Office	P.O. E	32 nu		On Location	Finish
ell 785-324-1041		1904	County	State	On Location	105
Sec.	Twp. Range	-		K5	The state of the s	213
Date 2-8-20 34	1000	(3)	rangel	5 C.O. Line	3w /2N 1	111+0
	The second secon	Locat			14.75.75.75	
Lease Wg/2 Star	Well No 25	w <u>i)</u>	Owner To Quality O	ilwell Cementing, Inc.		t and furnish
Contractor 1 Spren # 4	The second secon	No call	You are here	by requested to rent	cementing equipmen	work as listed.
Type Job Sinface			Charge Z	9 / C	to the new will also	
Hole Size 214	T.D. 222		To K	pet cherat	ing	The the same as well
Csg. 95/8	Depth 22.1	3 3 3 7 1	Street :	3. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	The second second second second	HER ESCHOLUSION
Tbg. Size	Depth		City	1900 P. 1900 P	State	
Tool	Depth	Le	The above wa	s done to satisfaction a	nd supervision of owner	agent or contractor.
Cement Left in Csg. 10	Shoe Joint		Cement Amo	ount Ordered (50)	1/20 3/11 d	Y-682
Meas Line	Displace 1332		and the state of the	Hamilton Carlon II		ALCHO TO
EQUIPM			Common			
Pumptrk 20 No. Cementer Helper	g . marine . marine		Poz. Mix		· · · · · · · · · · · · · · · · · · ·	
Bulktrk No. Driver Limit		1 75.45	Gel.		大学的现在分词的	的东西市长
Bulktrk 9 No. Driver 2 Driver Law?	THE PART OF THE PART	3 - 4 90	Calcium	2018年1月1日 100日 100日		
JOB SERVICES 8	REMARKS		Húlls		general Maria	
Remarks:	SOLUTION CONTRACTOR	1-12-0	Salt	द्धार मा अन्य भागस्य ।	(1998) 3. E. J. F. H. H. N. H.	AUTOMOS NO.
Rat Hole	to the second second		Flowseal	Constitution		and Alexander
Mouse Hole	高 型。 医一种 医肠中断	100	Kol-Seal		ALTERNATION DELL'ARCHIT	TO THE STATE OF TH
Centralizers				12t7 (X: 12 A) 1 (3.72)		
Baskets		er on least	Mud CLR 48		TO ACT AND THERMAN	Satisfication of the same of t
D/V or Port Collar	B 12845 414 Tillings II To 184		A SA SUMBLESS OF	D110 CAF 38	The second of the second of	** ** **
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D 18 ON WHOM PEST C	Alverton.	632	Handling 5			Wan in All the second
MA THE		10.00	Mileage :	Same of the same o	COST-OF-PROPERTY.	
	Addition of the Control of the Contr			FLOAT EQUIPME	NT	
Cimm Circha	News !	2.3	Suide Shoe	AND RESERVED.		
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Control of the Contro		165	Float Shoe	7. 7 8. N. / N	A Mesenda H &	EL 3240 3
HER BURNESS AND STREET	学化为一类。	2	Latch Down	F. W. W.	Personal In I	Company of the Company
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Harris Cara Maria	Physical Company of the	modelni.	House States and	at la	A spine of the Assessment of the	
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other desired and the second		1		No. of the last of		
	The season of th		Trune.	The second secon	Tax	
RA A	MESSAGE SALES				Discount	A THE STREET STREET
gnature & the And	a la			A CONTRACTOR		在 付有 或数据 2 %
The state of the s		100			Total Charge	Rich Control



TREATMENT REPORT

	Acid	& Cemei	nt 🕰						Acid Stage No	o	
Company Ref Operating State No. Walt No.	Date 2	./19/2020 r	District GB	F.O. 1	No. 50174					Pour	nds of Sand
Mode						1					
Total Tota						1					
County Graham Freeted From Fit Freeted From Fit Fit Freeted From Fit Fit Freeted From Fit Fit Freeted From Fit Fit Fit Freeted From Fit Fit	Location			Field							
Treated from						Flush					
Size	Jac v st Ma					Treated from				No. ft.	0
Formation:	Casing:	Size 5.5"	Type & Wt.	15.5#	Set at ft.	1					
Formation For	Formation					I -					
Line: Size Type & Wit	Formation					Actual Volume o	of Oil / Water to Load H				
Comment Yes Perforated from ft. to ft. Name ft. Name ft. to ft. Name ft. Name ft. to ft. Name	Formation	:		Perf.	to				Þ		
Tubing Sue & Wt.	Liner: Si	zeType &	Wt.	Top atft.	Bottom atft.	Pump Trucks.	No. Used: Std.	365 Sp.	in the second second	Twin	
Perforated from Perforate	(Cemented: Yes	▼ Perforated fr	rom	ft. toft.	Auxiliary Equipm	nent		367		
Plugging or Sealing Materials: Type Gals jb.	Tubing:	Size & Wt.		Swung at	ft.	Personnel Nath	nan-Greg-Clarenc	2	Alga-		
Company Representative		Perforated f	rom	ft. to	ft.	Auxiliary Tools					
Comparable John B. Treater Nathan W.						Plugging or Seali	ng Materials: Type				
Titule	Open Hole	Size	T.D	ft. P.	B. toft.				Gals.		lb.
Tible PRESENT Total Fluid Pumped Packer S.5." On Location. Rig laying down pipe.	Company	Panracantativa	5	John B		Trooter		Nath	an W		
Tubing Casing C			SLIBES	John E	•	- Ireater		T COLIN	111 00.		
5.5" On Location. Rig laying down pipe. TD-4044' Centralizers-1,3,5,7,9,11,14,52,54 Packer Shoe-3857' Baskets-1,52,54 Baffle-3815' Port Collar-1610' Land pipe and break circulation with mud pump. Pump 100bbls of Mud Flush. Drop ball to set packer shoe at 950# Pump 5bbls KCL water, 600gal Flow Check, and 5bbls KCL water. Plug Rat Hole with 30sks and Mouse Hole with 20sks. Mix 25sks 60/40poz 2%gel. Mix 225sks 60/40poz 2%gel 12% Salt .75% C-37 .75% C41p .25% C12 5#/sk Gilsonite. Wash out pump. Displace with 95.2bbls at 7bpm-1000# Plug landed at 2200# Release pressure. Float Held.	22/2/2000	1 1177		Total Fluid Pumped			REMA	RKS			*
TD-4044' Centralizers-1,3,5,7,9,11,14,52,54 Packer Shoe-3857' Baskets-1,52,54 Baffle-3815' Port Collar-1610' 9:45 Land pipe and break circulation with mud pump. Pump 100bbls of Mud Flush. Drop ball to set packer shoe at 950# Pump 5bbls KCL water, 600gal Flow Check, and 5bbls KCL water. Plug Rat Hole with 30sks and Mouse Hole with 20sks. Plug Rat Hole with 30sks and Mouse Hole with 20sks. Mix 25sks 60/40poz 2%gel. Mix 225sks 60/40poz 2%gel 12% Salt .75% C-37 .75% C41p .25% C12 5#/sk Gilsonite. Wash out pump. Displace with 95.2bbls at 7bpm-1000# Plug landed at 2200# Release pressure. Float Held.					On Location Ri	g laving do	wn nine				
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Wash out pump. Displace with 95.2bbls at 7bpm-1000# Plug landed at 2200# Release pressure. Float Held.											
12:25 2200# Release pressure. Float Held.					•						
12:25 2200# Release pressure. Float Held.					Wash out pump	. Displace	with 95.2bhl	s at 7bpm-1	000# Plu	g lande	d at
	12:25									<u> </u>	
					Thank You!						



TREATMENT REPORT

Acid Stage No.

					Type Treatment:			Type Flui			ounds of Sand
			F.O. N	lo. <u>50176</u>	Bkdown						
	Reef Operati										
	& No. Walz S	tar #2		7 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1							
Location			Field				Bbl./Gal.				
County	Graham		State KS		Flush						
									ft.	No. ft.	
Casing:				Set at ft.				ft. to		No. ft.	
Formation	:		Perf	to	from			ft. to	ft.	No. ft.	0
Formation	:		Perf	to	Actual Volume o	of Oil / Water	to Load H	ole:			Bbl./Gal.
Formation	:	0 1-	Perf.	to				9,444	-		
Liner: Si					Pump Trucks.	No. Used:	Std.	365 Sp).	Twin	
					Auxiliary Equipm						
Tubing:	Size & Wt.	2.5"	Swung at	ft.	Personnel Nath	nan-Greg-	Clarence	9			
	Perforated t	from	ft. to	ft.	Auxiliary Tools						
					1						
Open Hole	Size	T.D	ft. P.	B. to ft.		-			Gal	s.	lb.
					-						
Company	Representative		John B		Treater			N	athan W.		
TIME a.m./p.m.		SSURES	Total Fluid Pumped	1			REMA	RKS			
	Tubing	Casing		Take trucks to lo	cation on	2/22/2	O hofe	ro rain			
7:00		 		Take trucks to io	cation on	2/23/2	o beit	ne raiii.			
9:00	2.5"	5.5"	-8	On Location. 2/24/20							
				Isolate port colla	ar and pre	ssure u	o casii	ng to 500	#		
AC.	7							0			
				Open port collar	and breal	k circula	ation \	with wate	er.		
				Mix 400sks 65/3	5poz 6%g	el 3#/sk	Gilso	nite. Circ	culated cen	nent to	surface.
				Displace with 8b							
				Close port collar	and press	sure tes	t to 8	00# Held			
			1	Close por Conar	and press	oure tes		11010			
				Run 3its and rev	erse out w	vith 25h	hls				
2.00		+		Run 3jts and reverse out with 25bbls. Pull tools.							
2:00		1		Pull tools.							
		-					-				
		1	 	Thomas Varia							
		_	 	Thank You!							
				Nathan W.							
	er energie et de la constant de la c										
		1									