KOLAR Document ID: 1593080

Confiden	tiality Requeste	ed:
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			8. I E A SE
VVELL		- DESCRIPTION	OF WELL	α μεάδε

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
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:
	Producing Formation:
	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:
SWD Bormit #:	
	Location of fluid disposal if hauled offsite:
	Operator Name:
	Lease Name: License #:
Sourd Data or Data Data Data TD Completion Data or	Quarter Sec TwpS. R East West
Recompletion Date 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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Operator Nam	ne:			Lease Name:	Well #:
Sec	Twp	S. R	East West	County:	

Page Two

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken		Y	′es 🗌 No	[og Formatio	n (Top), Depth a	and Datum	Sample
Samples Sent to Geolo	aical Survey		les No	1	Name	Э		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:	Logs	□ Y □ Y □ Y	és ☐ No és ☐ No és ☐ No						
		Rep	CASING ort all strings set-c	RECORD] Ne	w Used	on, etc.		
Purpose of String	Size Hole Drilled	Siz	ze Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
[1		ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose:	Depth Top Bottom	Туре	e of Cement	# Sacks Use	d		Type and	Percent Additives	
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the Was the hydraulic fractu 	aulic fracturing treatme total base fluid of the uring treatment informa	ent on this v hydraulic fr ation submi	vell? acturing treatment tted to the chemic	exceed 350,000 al disclosure regi	gallo stry?	Nes Yes	 No (If No, s No (If No, s No (If No, f 	kip questions 2 ar kip question 3) ill out Page Three	nd 3) of the ACO-1)
Date of first Production/Inj Injection:	jection or Resumed Pr	oduction/	Producing Meth	iod:		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITION	N OF GAS:		N		MPLE	TION:		PRODUCTIO	ON INTERVAL:
Vented Sold (If vented, Subn	Used on Lease		Open Hole	_ Perf C <i>(S</i>	ually ubmit	Comp. Com ACO-5) (Subn	nit ACO-4)		
Shots Per Per Foot	foration Perfor Top Botte	ation om	Bridge Plug Type	Bridge Plug Set At		Acid,	Fracture, Shot, C (Amount and Ki	ementing Squeezend of Material Used)	Record
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Krier, Kirby Oil, Inc.
Well Name	JAYCAT 5
Doc ID	1593080

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	337	COMMON	180	4%cc2%g el
Production	7.875	5.5	15.5	3285	COMMON	180	10%salt5 %gilsonite

	OPERATOR		
Company: Address:	Kirby Krier Oil Inc. 1043 NE 80 Avenue Claflin, KS 67525		
Contact Geologist: Contact Phone Nbr: Well Name: Location: API:	Jim Musgrove 620-786-0839 Kirby Krier Oil Inc. 5-18s-10w E2-NE-SE		
Pool: State:	Kansas	Field: Country:	Bloomer USA
	Scale 1:240 Imper	ial	
Well Name: Surface Location: Bottom Location: API:	Kirby Krier Oil Inc. 5-18s-10w E2-NE-SE		
License Number: Spud Date:	9951 9/23/2021	Time:	12:00 AM
Region: Drilling Completed: Surface Coordinates: Bottom Hole Coordinates:	Rice 9/29/2021 1980' FSL & 330' FEL	Time:	12:00 AM
Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type:	1771.00ft 1781.00ft 2700.00ft 0.00ft Arbuckle Chemical/Fresh Water Gel	To:	3559.00ft
Well Type: Longitude: Latitude: N/S Co-ord:	Vertical	IATES	
E/W C0-014.			
	LUGGED BY		
	Musgro 212 Main	bleum Geology Street, Claflin KS	
Company: Address:	James C Musgrove Petroleur 212 Main Street/PO Box 215 Claflin, KS 67525	n LLC	
Phone Nbr: Logged By:	620-588-4250 620-786-08 KLG #307	Name:	James C Musgrove
Contractor: Rig #:	Southwind Drilling		
Rig Type: Spud Date: TD Date: Rig Release:	mud rotary 9/23/2021 9/29/2021	Time: Time: Time:	12:00 AM 12:00 AM
	ELEVATIONS		
K.B. Elevation: K.B. to Ground:	1781.00ft G 10.00ft	round Elevation:	1771.00ft
5 1/2 " disposal casing was set and	NOTES I cemented on the Kirby Krier (Dil Co. JayCat #5.	

Respectfully submitted,

	KIRBY KRIER OIL CO				KIRBY KRIER OIL CO				KIRBY KRIER OIL CO			
		JAYCA	JAYCAT #3				JAYCAT #4					
		E/2-N	E-SE		SE-S2-NE-SE				NW-NE-SE			
	5-18s-10w					5-18s	-10w		5-18S-10W			
							Struc	tural			Struc	tural
-	1781	KB			1780	1780 KB Relationship			1773	KB	Relati	onship
Formation	Sample	Sub-Sea	Log	Sub-Sea	Sample	Sub-Sea	Sample	Log	Sample	Sub-Sea	Sample	Log
Heebner	2800	-1019			2808	-1028	9		2799	-1026	-7	
Toronto	2818	-1037			2822	-1042	5		2810	-1037	0	
Douglas	2830	-1049			2834	-1054	5		2828	-1055	-6	
Brown Lime	2916	-1135			2921	-1141	6		2913	-1140	-5	
Lansing	2931	-1150			2939	-1159	9		2928	-1155	-5	
Base Kansas City	3212	-1431			3206	-1426	-5		3194	-1421	10	
Conglomerate	3225	-1444										
Arbuckle	3239	-1458			3241	-1461	3		3223	-1450	8	
Granite Wash	3494	-1713										
PreCambrian Granite	3546	-1765										
Rotary Total Depth	3559	-1778			3247	-1467	-311		3238	-1465	313	
Log Total Depth												







 Time On: 08:03 09/27
 Time Off: 12:42 09/27

 Time On Bottom: 09:39 09/27
 Time Off Bottom: 11:09 09/27

Electronic Volume Estimate: 1'

27

2021

1st Open Minutes: 20 Current Reading: 1st Close Minutes: 20 Current Reading: 2nd Open Minutes: 20 Current Reading: 2nd Close Minutes: 30 Current Reading:





GIP cubic foot volume: 0





Shale,gray,grayish green ,silty, soft

sand,gray,grayish green to white,very fine grained,sub rounded,micaeous,friable,fair intergranular porosity no shows -top of Lansing _section..not -correlating with

drilling breaks

DST #1 2960-3020 30-30-45-60 Blow;Strong(obb 2 1/2

final flow (obb 7 mins)

Recovery,174' Gas in

-water(10% oil,40% water,50% mud0

-189' Slightly oil and gas

100

100

100

100

Cout muddy water(10% -oil,20% gas,10%

mud,60% water)

126'Slightly mud cut

water(98% water,2%

C5 (units)

—1'Clean Oil _393'Slightly oil cut

mins)

pipe

mud)

Pressures

-ISIP 716 psi

FSIP 726 psi IFP 46-197 psi FFP 208-348 psi HSH 1398-1379 psi

Shale,gray,grayish green, micaeous, silty,with sand aa

diito aa

aa

BROWN LIME 2916 (-1035)

Limestone,tan,white,finely crystalline,slightly cherty,dense Shale,gray,grayish green,maroon

LANSING 2931(-1150)

,Limestone,white and gray,fine and micro crystaline,fossiliferous,chalky,poor visible porosity,trace brown edge staiing,no free oil and no odor

Limestone,white,gray,fossiliferous,chalky,poorly developed porosity,no shows

Limestone as above,trace gray boney chert

Limestone,gray,white,oolitic in part,chalky,poor porosity

Shale, black, carbonifeous with gray, green soft shale

Limestone,tan,finely crystalline,oolitic, fine vuggy to intercrystalline type porosity,golden brown to light brown stain,show of free oil and faint odor

Limestone,gray,white,fossilifeous,chalky,few cherty,dense

Limestone,white,cream,oolitic,bioclastic,fair to good fossil cast type porosity with vuggy type porosity,brown and golden brown stain,show of free oil(gassy) and faint to fair odor

Limestone,tan,buff, oolitic,oomoldic, fair to good oomoldic porosity, (barren)

aa



Limestone,gray,white,finely crystalline,few fossiliferous,chalky,few cherty,(dense),trace Chert,white,gray,boney

aa

Shale, black carbonifeous

Limestone, white, gray, oomoldic, good oomoldic porosity, (barren)

Shale,gray,green,soft

Limestone,white,tan,oolitic ,cherty in part,poorly developed porosity,no shows

gray limey shale

Limestone,tan,gray,oomoldic,sparry calcite cement,poor visible porosity..no shows

Limestone ,as above

Limestone,gray,white,tan,fine and medium crystalline,fossiliferous,chalky,poorly developed porosity.no shows

Limestone, white, gray, highly oolitic, chalky in part, (dense)

Shale ,mixed colored ,limey,

Limestone,gray,white,chalky,fine and medium crystalline,dense

diito aa with Limestone,green tinted,argillaceous

BASE KANSAS CITY 3212(-1431)

Shale,gray,green,maroon,rusty brown,soft

CONGLOMERATE 3225(-1440)

Shale,rusty brown grayish green ,light grren calcerous with soft red shale and Chert,white,yellow,oolitic, translucent

Chert,peach,orange,yellow,oolitic,opaque

ARBUCKLE 3239(-1458)

Dolomite,white,fine and medium crystalline,poor to fair intercrystalline porosity,light brown spotty stain,show of free oil and faint odor

as above,increase in porosity,and increase in stain and show of free oil with fair odor

Dolomite, white, medium crystalline, scattered small pyrite crystals in some porosity voids, fair intercrystalline porosity, light brown, trace free oil and faint odor.

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2(8 5) R m F	DS D-2 low mir eco iud Pre	T # 20-2 v,w ns) ove (5° ssi	20- vea ery %c	319 -30 k(d ; 5 oil,9	92- die ' oi 959	-32 d i il c %n	48 n ut	3)	
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QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665 Phone:785-324-1041 fax:785-483-1087 Email: cementing@ruraltel.net

Invoice

Contact: KIRBY KRIER OIL CO INC Address/Job Location:

1043 NE 80th RD CLAFLIN KS 67525 ENTERED

Reference: JAY CAT 5

Description of Work: PROD STRING

Services / Items Included:	Quantity	Price	Taxable	ltem	Quantity	Price	Taxabl
Labor		\$ 684.02	No	Bulk Truck Mileage-Job to Nearest Bulk Plant	31	\$83.18	No
Common-Class A	180	\$ 2,842.80	Yes				
rial Rubber Cementing Shoe Packer Type, 5 1/2"	1	\$ 1,107.07	Yes				
Gilsonite	800	\$ 920.00	Yes				
Mud Clear	500	\$ 559.67	Yes				
5 1/2" Turbolizer	9	\$ 496.80	Yes				
5 1/2" Basket	2	\$ 429.33	Yes				
Latch Down Plug & Baffle, 5 1/2"	1	\$ 203.93	Yes				
Salt (Fine)	15	\$ 150.65	Yes				
Bulk Truck Matl-Material Service Charge	203	\$ 155.63	No				
Pump Truck Mileage-Job to Nearest Camp	31	\$ 106.95	No				
Invoice Terms:					SubTotal:	\$ 7,740.04	
Net 30		Discou	int Ava	ilable <u>ONLY</u> if Invoice is Paid & within listed terms	Received	\$ (193.50)	
				SubTotal for Ta	axable Items:	\$ 6,542.49	
				SubTotal for Non-Ta	axable Items:	\$ 1,004.04	
					Total:	\$ 7,546.54	
			7.50%	Rice County Sales Tax	Tax:	\$ 490.69	
Thank You For Your Business!				Am	ount Due:	\$ 8,037.23	
				Applied F	Payments:		
				Bala	ance Due:	\$ 8,037.23	

Past Due Invoices are subject to a service charge (annual rate of 24%) This does not include any applicable taxes unless it is listed. ©2008-2013 Straker Investments, LLC. All rights reserved. Date: 9/28/2021 Invoice # 2375

P.O.#: Due Date: 10/28/2021 Division: Russell

Phone 785-483-1071 Cell 785-324-1041	Home Offic	ce P.O. Box 32 R	ussell, KS 67665	No.	2375			
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Date: 9/22/2021 Invoice # 2466

P.O.#: Due Date: 10/22/2021 Division: Russell



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OCALITY S OILWELL CEMENTING INC. RUSSELL, KS

QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665 Phone:785-324-1041 fax:785-483-1087 Email: cementing@ruraltel.net

Invoice

ENTERED

Contact: KIRBY KRIER OIL CO INC Address/Job Location:

1043 NE 80th RD CLAFLIN KS 67525

Reference: JAY CAT 5 SEC 5-18-10

Description of Work: SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	ltem	Quantity
Labor		\$ 684.02	No		
Common-Class A	110	\$ 1,737.27	Yes		
POZ Mix-Standard	70	\$ 375.67	Yes		
Calcium Chloride	6	\$ 257.60	Yes		
Bulk Truck Matl-Material Service Charge	191	\$ 146.43	NO		
Pump Truck Mileage-Job to Nearest Camp	31	\$ 106.95	NO		
Bulk Truck Mileage-Job to Nearest Bulk Plant	31	\$ 83.18	NO		
Premium Gel (Bentonite)	3	\$ 66.70	Yes		

	SubTotal: \$ 3,4							
Net 30	Discount Available <u>ONLY</u> if Invoice is Paid & Receiv within listed terms of invol	pice is Paid & Received listed terms of invoice:						
	SubTotal for Taxable Ite	ems:	\$	2,376.30				
	SubTotal for Non-Taxable Items: \$ 995.07							
	Тс	otal:	\$	3,371.37				
	7 50% Rice County Sales Tax	Гах:	\$	178.22				
	Amount D)ue:	\$	3,549.59				
Thank You For Your Business!	Applied Payme	nts:						
	Balance D)ue:	\$	3,549.59				

Past Due Invoices are subject to a service charge (annual rate of 24%) This does not include any applicable taxes unless it is listed. ©2008-2013 Straker Investments, LLC. All rights reserved.

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