

# KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1 September 1999 Form Must Be Typed

**WELL COMPLETION FORM** WELL HISTORY - DESCRIPTION OF WELL & LEASE  $^{G}$ 

Operator: License # 9951	API No. 15 - 009-25198-0000
Name: Kirby Krier Oil, Inc.	County: Barton 55'14 + 100'E2EZ
Address: 1043 NE 80th. Road	#E-N# - SE Sec. 26 Twp. 16 S. R. 12 ☐ East ▼ West
City/State/Zip: Claflin, Kansas 67525	2530 feet from S) / N (circle one) Line of Section
Purchaser:	feet from P)/ W (circle one) Line of Section
Operator Contact Person: Kirby Krier	Footages Calculated from Nearest Outside Section Corner:
Phone: (_620)	。 (circle one) NE SE NW SW
Contractor: Name: Royal Drilling, Inc.	Lease Name: Dolechek Well #: 1
License: 33905	Field Name: Kraft-Prusa
Wellsite Geologist: Jim Musgrove	Producing Formation:
Designate Type of Completion:	Elevation: Ground: 1934' Kelly Bushing: 1939'
New Well Re-Entry Workover	Total Depth: 3370' Plug Back Total Depth:
✓ Oil SWD SIOW Temp. Abd.	Amount of Surface Pipe Set and Cemented at 396 Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from
Operator:	feet depth tosx cmt.
Well Name:	AH 1-76 6/23/08
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content 46,000 ppm Fluid volume 1000 bbls
Plug Back Plug Back Total Depth	Dewatering method used Allow to dry and backfill
Commingled Docket No.	
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No.	Operator Name:
4/29/2008 5/4/2008 5/10/08	Lease Name: License No.:
Spud Date or Date Reached TD Completion Date or Recompletion Date	Quarter Sec Twp S. R East West  County: Docket No.:
Kansas 67202, within 120 days of the spud date, recompletion, worko Information of side two of this form will be held confidential for a period of 107 for confidentiality in excess of 12 months). One copy of all wireline log TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wel	th the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, over or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. If 12 months if requested in writing and submitted with the form (see rule 82-3-12 gs and geologist well report shall be attached with this form. ALL CEMENTING Is. Submit CP-111 form with all temporarily abandoned wells.
herein are complete and correct to the best of my knowledge.	
Signature: Dirily Dirily	KCC Office Use ONLY
Title: president Date: 5/3/	Letter of Confidentiality Received RECEIVED
Subscribed and sworn to before me this 31st day of	If Denied, Yes Date: KANSAS CORPORATION COMMISS
2008	₩ireline Log Received
auxillist colours up	Geologist Report Received JUN 1 9 2008
1 124	UIC Distribution CONSERVATION DIVISION
Date Commission Expires: 09-06-09 JANET L. Fypires	HITSCHMANN CONSERVATION DIVISION WICHITA, KS

Operator Name: Kirl	by Krier Oil, Inc.		Lease Name:	Dolechek		Well #:1	
Sec Twp16	S. R. <u>12</u>	East  West	County: Ba	rton	- AND THE STREET STREET, SAN THE STREET, SAN T		
INSTRUCTIONS: Shot tested, time tool open temperature, fluid reco	and closed, flowing very, and flow rates	and shut-in pressures, if gas to surface test, a	whether shut-in pullong with final cha	essure reached s	static level, hydro	static pressure	es, bottom hole
Drill Stem Tests Taken (Attach Additional SI	heets)	Yes No		og Formatio	n (Top), Depth a	and Datum	Sample
Samples Sent to Geolo	ogical Survey	Yes No	Nar	ne		Тор	Datum
Cores Taken Electric Log Run (Submit Copy)		Yes No					
List All E. Logs Run:							
		CASING ( Report all strings set-c		<u></u>	on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		APPITION					
Purpose:	Depth	Type of Cement	CEMENTING / SQL #Sacks Used	JEEZE RECORD	T10		
Perforate Protect Casing Plug Back TD Plug Off Zone	Top Bottom	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Todors Oseg		Type and Pa	ercent Additives	
Shots Per Foot	PERFORATION Specify Foo	RECORD - Bridge Plugs stage of Each Interval Perfo	s Set/Type orated		ure, Shot, Cement unt and Kind of Mat		Depth
TUBING RECORD	Size	Set At	Packer At	Liner Run	Yes No	The state of the s	
Date of First, Resumerd Pr	oduction, SWD or Enhi	. Producing Metho	od Flowing	Pumping	Gas Lift	Other	(Explain)
Estimated Production Per 24 Hours	Oil Bbl	s. Gas M	lcf Wate			s-Oil Ratio	Gravity
Disposition of Gas	METHOD OF COM	IPLETION		Production Interval			
Vented Sold (If vented, Submit	Used on Lease ( ACO-18.)	Open Hole Other (Specify		ually Comp.	Commingled		

perator Name: KIRB	Y KRIER OIL, INC.		Lease Nar	me: DOLECHEK		_ Well #:	
ec. 26 Twp. 16				ARTON			
sted time tool open :	and closed, flowing very, and flow rates	and shut-in pressur if gas to surface te	res, whether shut-i st, along with final	n pressure reach	oort all final copies o led static level, hydro extra sheet if more s	static pressur	es, bottom hole
rill Stem Tests Taken (Attach Additional S		✓ Yes	0	✓ Log Form	nation (Top), Depth a		Sample
amples Sent to Geol		✓ Yes  Ne	1	Name SAMMA RAY NI	JETRON	Тор 2500	Datum GAMMA RA
ores Taken lectric Log Run (Submit Copy)		☐ Yes ☑ No ☑ Yes ☐ No	1				
st All E. Logs Run:							
GAMMA RAY	NUETRION						
			SING RECORD [	✓ New Used			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting		# Sacks Used	Type and Perce Additives
SURFACE	12.25	8 5/8	20	370	COMMON	180	3%cc, 2%gel
PRODUCTION	8 5/8	5 1/2 in.	15.5#	3369	COMMON	200	3%cc, 2%gel
		ADDITIO	ONAL CEMENTING	/ SQUEEZE REC	ORD		
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Cemen	t #Sacks Us	sed	Type and	Percent Additive	es
1							
Shots Per Foot	PERFORAT Soecify	TON RECORD - Bridg Footage of Each Interv	e Plugs Set/Type val Perforated	Aci	d, Fracture, Shot, Ceme (Amount and Kind of I	nt Squeeze Red Material Used)	cord Dep
4 PER FOOT	3340-3348			500 GAL	7 1/2% ACID		3340-4
	-						
					Addition of the second of the		
TUBING RECORD 2.7	Size 7/8	Set At 3335	Packer At 3335	Liner Rur	Yes 📝	No	1
Date of First, Resumer 05/10/08	d Production, SWD or	Enhr. Produci	ng Method	Flowing	Pumping Gas		Other (Explain)
Estimated Production Per 24 Hours	Oil YES	Bbls. Gas	s Mcf	Water	Bbls.	Gas-Oil Ratio	Grav
Disposition of Gas		COMPLETION		Production	on Interval		
✓ Vented Sold	Used on Lease	·	n Hole	Dually Com	p. Commingled		

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# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025

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

No. 1940

Cell 765-324-1041		· · · · · · · · · · · · · · · · · · ·	
Sec.	Twp. Range Ca	illed Out On Location	Job Start Finish
Date 4-30-08 26	16 12		3.45 AM 4:00 AM
Lease Dalechok W	Vell No. / Location	on Braver 35 \$5	RH County R State
Contractor Rayal Drilling	Rel	Owner	
Type Job Surface	5 0	To Quality Oilwell Cementing, Inc. You are hereby requested to rent	cementing equipment and furnish
Hole Size 124	T.D. 4120	cementer and helper to assist owr	ner or contractor to do work as listed.
Csg. 88 231	Depth 396	Charge Kick River Old	a Inc
Tbg. Size	Depth	Street	
Drill Pipe	Depth	City	State
Tool	Depth	The above was done to satisfaction ar	nd supervision of owner agent or contractor.
Cement Left in Csg. 10-15	Shoe Joint	)	
Press Max.	Minimum		<u> </u>
Meas Line	Displace 244	CI	EMENT
Perf.			
EQUIPM	MENT /	Amount 180 Cm 350	C 2261
	eve	Consisting of	
Bulktrk 2 No. Driver Jun		Common	
Bulktrk No. Driver Diver	2	Poz. Mix	the attended and the second se
JOB SERVICES	& REMARKS	Gel.	
Pumptrk Charge		Chloride	
Mileage		Hulls	RECEIVED
Footage		Salt	KANSAS CORPORATION COMMISSION
	Total	Flowseal	JUN 1 9 2008
Remarks: ( amed did (	reulate		
			CONSERVATION DIVISION WICHITA, KS
			Sales Tax
		Handling	
		Mileage	
Word & L	بارم		Sub Total
			Total
		Floating Equipment & Plugs / 8	Elepat Pro
		Squeeze Manifold	
		Rotating Head 🖟 🗮	
Munt		N. C.	
118			Tax
			Discount
X Signature			Total Charge
<u> </u>			total Ollarge

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025 Cell 785-324-1041 Home Office P.O. Box 32 Russell, KS 67665

No. 1943

	Sec.	Twp.	Range	Cal	led Out	On Location	Job Start	Finish
Date 5-4-08	26	16	f o	J	:	On Eddaron	Job Glart	7 20
Lease Doloch	, I	Vell No.	) =	Locatio	$nR_{conver}$	TE SS	County	State
Contractor Koral	7 X.II.		Roll		Owner	day Stead	Marror	
Type Job / Crossin	\chic	1)	and a		To Quality C	Dilwell Cementing, Inc		ant and furnish
Hole Size		T.D.			cementer ar	eby requested to ren nd helper to assist ov	vner or contractor to	do work as listed.
Csg. 55 /52	14,	Depth	37		Charge To	ch. Hirr al	Ce	
Tbg. Size		Depth			: Street			·
Drill Pipe		Depth			City .		State	
Tool	•	Depth			The above wa	as done to satisfaction a	and supervision of own	er agent or contractor.
Cement Left in Csg. 9	1	Shoe Jo	oint G					
Press Max.		Minimu	m ·				i	
Meas Line		Displac	e 80Bbl		•		CEMENT	
Perf.							ZEIVIEN I	
	EQUIP	MENT			Amount Ordered	160 Cm 10	195.4 586	al Smal
Pumptrk / Helpe	nter	ve			Consisting of	st 500 /ral	Mad Chear-h	8
Bulktrk No. Driver	1 Xiv	Adon			Common			
Bulktrk No. Driver		Fig			Poz. Mix			
JOB SE	RVICES	& REMA	RKS		Gel.			
Pumptrk Charge	·	,			Chloride			
Mileage					Hulls	·	RECEIVED	
Footage					Salt	KA	NSAS CORPORATION CO	MMISSION
·		Т	otal		Flowseal		JUN 1 9 2001	3
Remarks:							CONSERVATION DIVIS	
10 sx Mars Hol	<u> </u>						WIGHITA, KS	
15 Sx Rat Hole							Sales Ta	× .
					Handling			
Land plus (a)	1300	2051			Mileage			
Floor Held			·		. ,	00.	Sub Tota	
							Tota	
				1	Floating Equ	ipment & Plugs		
					Squeeze Ma			
					Rotating Hea	1		4 1 1 1 1 1 1 1 1
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#### **PIPE TALLY**

Date 4/29/08

Company

	ξ	Size (	SH		New		Used		Limite	d Se	rvice		Weight	<b>F</b> .	Grade		Type		Rang	
	Colun	ın 1	Colum	n 2	Colun	nn 3	Colun	nn 4	Colum	ın 5	Colum	n 6	Colum	n 7	Colum	ın 8	Colum	n 9	Colum	n 10
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet .	In.
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	120	28	<u></u>	RAN	TOT D	`AL			Ja	MA	20	A.C.	W/		<u></u> -					
_	Casino	Наз	d & Acc	2000					Other			Red	ceived Ir	n Go	od Orde	er By				

100 S. Main St.,	Suite #	1310, Wid	:hita,K	s. 67202			_			Report:	1
Daily Drilling Mud	Report					and the first		Date:	04/30/08	Depth:	408
Operator Vieles M	riar Oi	I Co			Contractor	••••••••••••••••••••••••••••••••••••••			Rig No.	1	
Kirby K	rier Oi	<i>i</i> Co.			Royal Drillir	ıg			Spud Date		
Rig					Rig				04	/29/08	
Report for Mr.	Tuin u				Report for Mr.				Section		Range
Kirby K Well Name & No.	rier				Doug Budig			State	26	<b>16S</b>	<u>12W</u>
Dolech	ek #1				Barton				Kansas		
Operation		Casing			d Volume (BBL)			Cii	culation Data		
Present Activity <b>Drilling</b>	8 5/8		396	Hole		Liner Size	Stroke 14	Oppos	ite Drill Pipe	Pump Pressu	ire
Bit Size (in.) No	0 3/0	in. at Intermediate	390	Total Circula	<b>O</b> nting Vol.	Est.Hole/DC		Oppos	210 ite Drill Collars	Pump Make	
7 7/8 2		in. at			<b>0</b>		, l		383	Oilv	vell
Drill pipe sz Type	F	Production / Lir	er	Volume in S	_	BBV Strk		Botton	ns Up (Min.)	Pump Model	
4 1/2 XH Drill Collar size	Dailling marked	in. at			<u> </u>	0.129	66 GAL/Min.	·	0	214	<u>IP</u>
6 1/4   361	Drilling mud	Gel/Lin	10			BBL./Min. <b>8.5</b>	358	Systen	n Total (Min)		
Sample from Flowline	or Pit	OC// LIII			Daily Mud Cost	1 0.0	300	Cumu	lative Mud Cost		<del></del>
Flowline Temperature _		1	Mud Pro	perties	•	16.	50			16.	50
	, , , , , , , , , , , , , , , , , , ,					MUDI	ROPERTIES	SSPE	CIFICATIONS		
Time Sample Taken		12:42 PM		_	Mud Wt.(lbs/gal.)	Visco	- 1		Filtrate	LC	
Depth (Ft.)		408			8.8-9.8	27-	32		Vo Cont	As ne	<u>eaea</u>
Weight (lb/gal.) Mud Gradient (psi/ft.)											
Funnel Viscosity (Sec											
Plastic Viscosity cp											
Yield Point (lb/100 sq					Suggest:						
Gel Strength 10 sec	/10 min.	1			14/545			rı			
pH Filtrate API (ml/30 mi	- 1	Make up			Water - run go	ooa strear	n ana je	τ οπο	en –		
Cake Thickness 32n		water			Add premix as	needed	for hole	clea	nina <sup>.</sup>		
Alkalinity, Mud (Pm)	<u> </u>	Wate.			naa promix ac	100 bbls					
Alkalinity, Filtrate (Pf/	Mf)					1 sk Soc					
Chloride Content, ppr	n	500				45-50 sk	( Premiu	ım G	iel –		
Calcium. ppm	(al)	200			University to the	de amal mua	الدية بشمم			-1 46.	_
Sand Content (% by \ Solids Content (% by					Have frac tan system at 20					piace the	<del>)</del>
Oil Content (% by Vol					System at 20	100 bbls					
Water Content (% by						1 sk Soc		u.o.			
LCM, lbs/bbl.						1 sx Cau					
Reynold's #DP		#DIV/0!				42 sk Pr		Gel			
Reynold's # DC ECD lb/gal		#DIV/0! #DIV/0!				1/3 sx P					
	LING MU	D INVENT	ORY		Pump 40-60 b	1 sx Ligi bls tresh		ead	ot displace	ment mu	d
Products: Delivery			Used	Cost	1 4	DIO 17 0011	water ar	,ouu	or aropiaco	mont ma	u
400	044	001									
remlum Gel 420 .ime 2	244 4	664 4		10 50	After displacin	a.					
ime 2 oda Ash 14	15	29	2	16.50	After displacin 1. Maintain vi	y. scositu Af	5-50 sec	lat v	ith ael mive	d with ni	t mud
Caustic Soda 5	12	17			2. Control mu	d weiaht	9.2-9.5 v	yuu Vith	water at flow	u wiiri pi vline	: muu
ignite 10	8	18			3. Add LCM as	s needed					
/S Hulls	87	87									
rill Pak 4	5 2	9							1	RECEIVE	D
esco rill Star		2								RPORATION	
lorigel	·										
cide					Thank You				Jl	JN 1920	108
арр											
Harite					#				CON	SERVATION DI WICHITA, KS	
lilGuard					#					moinia, ne	
Mud-Co / Service Mud Ro	epresentati	ve		Home Addr				•	one Number		
Rick Hughes	<u></u>				end, Kansas				792-5425		
Cell: 620-791-762	23			Warehouse Pratt. K					one Number 372-2957		

Contractor   Page   P	100 S. Main St.,	, Suite #	‡310, Wichita	a,Ks. 67202						Report:	1_
Right   Righ	Daily Drilling Mud	Report						Date:	04/30/08	Depth:	408
Address	Operator					<del></del>		<u> </u>	Rig No.		
Rig	Kirby F	(rier Oi	I Co.			ng			Soud Date	1	
Report for Mr.   Stripty Krier   Doug Budig   26   16   18   17										/29/08	
Delechek #1   Barton   State   Final Properties   Barton   State   Final Properties   F	Report for Mr.				Report for Mr.				Section	Twp	
Dolechek #1		<b>Krier</b>							26	<u> 16S</u>	12 <b>V</b>
Description		ok #1							Kaneae		
Page	Operation	CA #1	Casing	I Mu						, · · · · · · · · · · · · · · · · · · ·	
Case	Present Activity			Hole	e Pits	1 .		Oppos	•	Pump Pressu	ire
7 7/8	Drilling No.							Onno		Dump Make	·
				rotal Circul	-	Est. Hole/DC	 	Ομρος			vell
Much   Properties   But Min   Call Arm   Sal		· · · · · · ·		Volume in 3	•		Strk / Min.	Botton			
Multiple					0				-	214	\$P
According   Content   Co		Drilling mud	• •					Syster			
Multiple		or Pit	Gel/Lime		TDaily Mud Cost	J 0.5	330	Cumi			
ime Sample Taken 12:42 PM	· -		_ Mu	ıd Properties	Bully Mild Cool	16.	50	00,,,,	ndavo mad codi	16.	50
Neght (Ft.)   408   8.8-9.8   27-32   No Cont   As needed   No C								S SPE	CIFICATIONS		
Veight (bigal.)  Aud Gradient (psi/it.)  Junnel Viscosity Cp  (lactic Viscosity Cp  (la	Time Sample Taken				<b>-</b>	1		T		1	
Add gradient (psift.)  Plastic Viscosity (Sec/qt, API)  Plastic Plastic Plastic Plastic Viscosity (Sec/qt, API)  Plastic	Depth (Ft.)		408		8.8-9.8	27-	32		No Cont	As ne	eded
Fund   Viscosity (Secdit API)			<del>                                     </del>								
Suggest:					-						
Suggest:   Water - run good stream and jet often		orqu Ai i)									
Water - run good stream and jet often  Water - run good stream and jet often  Add premix as needed for hole cleaning: 100 bbls fresh water 1 sk Soda Ash 45-50 sk Premium Gel  Have frac tank and premix full and ready to displace the system at 2650' or per geo's orders. 100 bbls fresh water 1 sk Soda Ash 45-50 sk Premium Gel  Have frac tank and premix full and ready to displace the system at 2650' or per geo's orders. 100 bbls fresh water 1 sk Soda Ash 1 sk Soda Soda 42 sk Premium Gel 1/3 sk Premium Gel 1/4 sk Premium Gel 1		դ.ft.)			Suggest:						
Add premix as needed for hole cleaning:    Add premix as needed for hole cleaning:   100 bbls fresh water		c/10 min.			]						
Add premix as needed for hole cleaning:	pH				Water - run go	ood strea	m and je	et ofte	en		
Ikalinity, Mud (Pm)   100 bbls fresh water   1 sk Soda Ash   45-50 sk Premium Gel   1 sk Soda Ash   1 sk			<del></del>		Add promis as	noodod	for holo	مامہ	nina:		
After displacing:  Transfer On Hand Used Cost  Transfer On Hand Used Ost  Transfer On Hand Used Cost  Transfer On Hand Used Ost  Transfer On Hand Used O		IU	Water		Aud premix as						
After displacing:  After displac		/Mf)			-			rator			
Have frac tank and premix full and ready to displace the system at 2650' or per geo's orders.    Value Content (% by Vol.)   Value Content (%			500		1			um G	iel		
System at 2650' or per geo's orders.  Il Content (% by Vol.)  Il Content (% by Vol.)  CM, Ibs/bbl.  CM, Ibs/bbl.  CM, Ibs/bbl.  CM, Ibs/bbl.  CM, Ibs/bbl.  CD Ib/gal  Ib/gal  CD Ib/gal  CD Ib/gal  CD Ib/gal  CD Ib/gal  CD Ib/gal  Ib	Calcium. ppm		200		]						
In Content (% by Vol.)					Have trac tan	K and pre	emix full	and	ready to dis	place the	<del>)</del>
Vater Content (% by Vol.)  CM, Ibs/bbl.					System at 20						
CM, Ibs/bbl.   #DIV/01   #								vator			
Pump   1/3 sx Pac	LCM, Ibs/bbl.					1 sx Ca	ustic So				
DRILLING MUD INVENTORY roducts: Delivery Transfer On Hand Used Cost    Delivery Transfer On Hand Used Cost   Delivery Transfer On Hand Used Cost	Reynold's #DP							Gel			•
DRILLING MUD INVENTORY roducts: Delivery Transfer On Hand Used Cost    Delivery Transfer On Hand Used Cost											
Transfer   On Hand   Used   Cost		LING MU		<del>/                                    </del>	Pumn 40-60 h	ı əx Liyi his tresh	uite water a	hean	l ot displace	mont mu	d
After displacing:  After displac	Products: Delivery				' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	DIO 11 0011	water a	,,oaa	or diopidoo.	mont mu	u
After displacing:  After displac	422	. 044	004		1						
da Ash 14 15 29 1. Maintain viscosity 45-50 sec/qt with gel mixed with pit muculatic Soda 5 12 17 2. Control mud weight 9.2-9.5 with water at flowline 3. Add LCM as needed 3. Ad				2 46.50	After displacin	a.					
ustic Soda 5 12 17 2. Control mud weight 9.2-9.5 with water at flowline 3. Add LCM as needed    Hulls   87 87   87     RECEIVED				2 10.50	1 Maintain vi	y. scosity 41	5-50 sec	r/at w	uith ael mivo	d with ni	t mud
Inite 10 8 18 3. Add LCM as needed  RECEIVED RANSAS CORPORATION COMMISSION Star rigel de					2. Control mu	d weiaht	9.2-9.5	√yι∨ with	water at flow	u wiai pii Vlinė	. muu
RECEIVED KANSAS CORPORATION COMMISSION  Thank You  Thank You  CONSERVATION DIVISION WICHITA, KS  Id-Co / Service Mud Representative Ick Hughes  Warehouse Location  RECEIVED KANSAS CORPORATION COMMISSION KANSAS CORPORATION DIVISION WICHITA, KS  Telephone Number 620-792-5425 Warehouse Location  Telephone Number		8			3. Add LCM as	s needed	0.0				
RECEIVED KANSAS CORPORATION COMMISSION  Thank You  Thank You  CONSERVATION DIVISION WICHITA, KS  Id-Co / Service Mud Representative Ick Hughes  Warehouse Location  TRECEIVED KANSAS CORPORATION COMMISSION FRANSAS CORPORATION COMMISSION  Thank You  CONSERVATION DIVISION WICHITA, KS  Telephone Number  620-792-5425  Warehouse Location  Telephone Number	/S Hulls				]						
In Star Integel Intege	~ <del></del>										
Thank You  Thank You  CONSERVATION DIVISION WICHITA, KS  Ind-Co / Service Mud Representative  Ick Hughes  Warehouse Location  Thank You  Thank You  CONSERVATION DIVISION WICHITA, KS  Telephone Number  620-792-5425  Warehouse Location  Telephone Number	esco rill Star			· · · · · · · · · · · · · · · · · · ·					KANSAS CORPO	RATION COM	MISSION
Thank You  Thank You  CONSERVATION DIVISION WICHITA, KS  Id-Co / Service Mud Representative  Ick Hughes  Thank You  Tolephone Number  Great Bend, Kansas  Warehouse Location  Telephone Number  Telephone Number	lorigei								14111	1.0.2000	
CONSERVATION DIVISION WICHITA, KS  Ind-Co / Service Mud Representative Warehouse Location  CONSERVATION DIVISION WICHITA, KS  Telephone Number  620-792-5425  Warehouse Location  Telephone Number	cide		-		Thank You				JUN	1 3 2008	
WICHITA, KS  dd-Co / Service Mud Representative  ick Hughes  Wichita, KS  Home Address  Great Bend, Kansas  Warehouse Location  Wichita, KS  Telephone Number  Telephone Number	арр								CONSEDU	ATION DIVIEW	DNI .
id-Co / Service Mud Representative  ick Hughes  Home Address  Great Bend, Kansas  Warehouse Location  Telephone Number  Telephone Number	arite				#						JIV.
ick Hughes     Great Bend, Kansas     620-792-5425       Warehouse Location     Telephone Number	ilGuard				#						
Warehouse Location Telephone Number		Representati	ive	į.				Teleph	one Number	-	
	lick Hughes									T-1-4	
	Cell: 620-791-76	23									

100 S. Main St., Suite #310, Wichita, Ks. 67202 Report: Date: 05/01/08 Depth: 1708 Daily Drilling Mud Report Operator Rig No. Contractor 1 Kirby Krier Oil Co. Royal Drilling Address Address Spud Date 04/29/08 Ria Rig Report for Mr. Report for Mr. Section Range Doug Budig 26 **16**S 12W Kirby Krier Well Name & No. State County Kansas Dolechek #1 Barton Circulation Data Operation Casing Mud Volume (BBL) Liner Size Stroke Opposite Drill Pipe Pump Pressure Hole Present Activity **Drilling** 8 5/8 396 171 400 6 14 191 800 in. at Bit Size (in.) No Intermediate Total Circulating Vol. Est. Hole/DS capacities Opposite Drill Collars Pump Make 2 571 10 2.362 348 Oilwell 7 7/8 in. at Drill pipe sz Production / Liner Volume in Storage BBV Strk Strk / Min. Bottoms Up (Min.) Pump Model Туре 0.129 214P 4 1/2 60 19 XН in at Drilling mud type BBL./Min. Drill Collar size GAL/Min. System Total (Min) 6 1/4 480 Native 7.8 326 74 Sample from Flowline \_x\_\_ or Pit Daily Mud Cost Cumulative Mud Cost 1.304.42 1,320.92 Flowline Temperature **Mud Properties MUD PROPERTIES SPECIFICATIONS** Time Sample Taken 8:45 AM Mud Wt.(lbs/gal.) Viscosity LCM Depth (Ft.) 1,708 9.4-9.8 27-32 No Cont As needed 9.7 Weight (lb/gal.) Mud Gradient (psi/ft.) 0.504 Funnel Viscosity (Sec/qt. API) 27 Plastic Viscosity cp Suggest: 2 Yield Point (lb/100 sq.ft.) Gel Strength 10 sec/10 min. 1/2 Water - run good stream and jet often На 7.0 Filtrate API (ml/30 min.) N/C Add premix as needed for hole cleaning: Cake Thickness 32nd Alkalinity, Mud (Pm) 0 100 bbls fresh water Alkalinity, Filtrate (Pf/Mf) 0/-1 sk Soda Ash 98,000 45-50 sk Premium Gel Chloride Content, ppm Calcium. ppm Hvy Sand Content (% by Vol) Tr Have frac tank and premix full and ready to displace the system at 2650' or per geo's orders. Solids Content (% by Vol.) 4.2 100 bbls fresh water Oil Content (% by Vol.) 0.0 Water Content (% by Vol.) 95.8 1 sk Soda Ash LCM, lbs/bbl. 0 1 sx Caustic Soda Revnold's #DP 42 sk Premium Gel 14,878 Reynold's # DC 28,370 1/3 sx Pac ECD lb/gal 10.47 1 sx Lignite DRILLING MUD INVENTORY Pump 40-60 bbls tresh water ahead of displacement mud Products: Prior Day Delivery On Hand Used Cost 664 580 84 470.40 Premium Gel 4 After displacina: Lime 3 29 26 57.30 1. Maintain viscosity 45-50 sec/qt with gel mixed with pit mud Soda Ash 2. Control mud weight 9.2-9.5 with water at flowline 17 15 2 101.02 Caustic Soda 18 2 42.20 3. Add LCM as needed 16 Lignite 87 85 23.50 2 C/S Hulls RECEIVED 2 610.00 q Drill Pak KANSAS CORPORATION COMMISSION 2 2 Desco **Drill Star** JUN 19 2008 Florige Thank You Xcide CONSERVATION DIVISION Sapp WICHITA, KS Barite MilGuard Mud-Co / Service Mud Representative Home Address Telephone Number Rick Hughes Great Bend, Kansas 620-792-5425 Warehouse Location Telephone Number Cell: 620-791-7623 Pratt, Ks. 620-672-2957

100 S. N					s. 67202	,					Report:	2
Daily Dril	lling Mud	Report							Date:	05/01/08	Depth:	1708
Operator	Viebe V	rior Oil				Contractor				Rig No.	4	
Address	Kirby K	rier Oil	Co.			Royal Drillin Address	g			Spud Date	1	
	Rig					Rig				04.	/29/08	
Report for IV	<sup>nr.</sup> Kirby K	rior				Report for Mr.				Section <b>26</b>	Twp <b>16S</b>	Range 12V
Well Name		i i e i				Doug Budig			State	20	703	1271
	Dolech	ek #1				Barton				Kansas		
Operation Present Activi	itv		Casing		Mu Hole	d Volume (BBL) Pits	Liner Size	Stroke		culation Data ite Drill Pipe	Pump Press	ure.
Drill		8 5/8	in. at	396	171	400	6	14	СРРОС	191	80	
Bit Size (in.)	No No		Intermediate	9	Total Circula		Est. Hole/DS		Oppos	ite Drill Collars	Pump Make	!!
7 7/8 Drill pipe sz	2 Type	P	in. at roduction / Li	iner	Volume in S	571	BBV Strk	<b>2.362</b> Strk / Min.	Botton	<b>348</b> ns Up (Min.)	Oilv Pump Model	
4 1/2	XH	·	in. at				0.129	60		19	21	
Drill Collar siz	e 480	Drilling mud					BBL./Min.		System	n Total (Min)		
6 1/4 Sample from	n Flowline _x	or Pit	Native		~	Daily Mud Cost	7.8	326	Cumu	74 lative Mud Cost		
Flowline Ter	_	· •. · ·· _	Ţ	Mud Pro	perties	Bully mad cool	1,304	1.42	00,,,,	anve maa cost	1,32	0.92
									S SPE	CIFICATIONS		*****
Time Sam		<del></del>	8:45 AM			Mud Wt.(lbs/gal.)	Visco			Filtrate	LC	
Depth (Ft.)			1,708 9.7			9.4-9.8	27-	32		Vo Cont	As ne	eaea
Weight (lb	/gai.) ient (psi/ft.)		0.504									
	scosity (Sec	/at API)	27									
Plastic Vis		vqt. Ai i)	1									
	t (lb/100 sq	.ft.)	2	<b>†</b>		Suggest:						
	th 10 sec		1/2			99						
рН			7.0			Water - run go	od strean	n and je	t ofte	en		
	l (ml/30 mir	<u> </u>	N/C									
	kness 32nd	<u> </u>	-			Add premix as						
Alkalinity, I		140	0				100 bbls		<i>rater</i>	•		
	Filtrate (Pf/I		0/-				1 sk Soo		C	201		
Calcium. p	ontent, ppn	<u> </u>	98,000 Hvy	ļ	<del>                                     </del>		45-50 sk	Premiu	IIII G	ei		
	tent (% by \	/ol)	Tr	-		Have frac tan	k and nre	miv full	and	ready to dis	nlaca the	2
	ntent (% by		4.2	<del> </del>		system at 26	850' or nei	r aeo's (	ordei	ready to disj rs	olace the	,
	t (% by Vol		0.0		+		100 bbls	fresh w	ater			
	ntent (% by		95.8				1 sk Sod					
LCM, lbs/b			0				1 sx Cau					
Reynold's #			14,878				42 sk Pro		Gel			
Reynold's			28,370	<u> </u>			1/3 sx Pa					
CD lb/ga		ILLING MU	<b>10.47</b> D INVENTO	) NDV		Pump 40-60 bi	1 SX Ligh		2000	ot diaplace	mont mu	d
Products:	Prior Day			Used	Cost	Tump 40-00 bi	uis ii esii t	water ar	icau	oi uispiacei	neni mu	u
remium Gel	664		580	84	470.40							
lme	4		4			After displacing			_			
oda Ash	29		26	3	57.30	1. Maintain vis	scosity 45	-50 sec	/qt w	ith gel mixe	d with pi	it mud
austic Soda _	17		15	2	101.02	2. Control mue	a weight 9	9.2-9.5 v	vith	water at flou	/line	
lgnite  /S Hulls	18 87		16 85	2	42.20 23.50	3. Add LCM as	needed				>=\	
/5 Hulls rill Pak	9			2	610.00					REC	DEIVED	MISSION
esco _			2		310.00					KANSAS CORPO	RATION CON	MILOCION
rfill Star										II IN	1 9 2008	}
lorigel						The most of the				JUN	. 5 2000	•
cide 						Thank You					ATION DIVIS	ION
app  arite						•				Wi	CHITA, KS	
ilGuard						• •						
lud-Co / Sei	rvice Mud Re	epresentativ	/e		Home Addre	ess end, Kansas				one Number		
		······································			Warehouse	· · · · · · · · · · · · · · · · · · ·				792-5425 one Number		
	0-791-762	10			Pratt, K					<b>372-2957</b>		

100 S.	Main St.,	Suite #	310, Wid	hita,K	s. 67202	•					Report:	3
Daily D	rilling Mud	Report							Date:	05/02/08	Depth	2755
Operator	Kirby F	(rier Oi	l Co.			Contractor Royal Drillin	g			Rig No.	1	
Address	Rig	**************************************				Address <b>Rig</b>				Spud Date <b>04</b>	/29/08	
Report for		(rior				Report for Mr.  Doug Budig				Section 26	Twp 16S	Range 12W
Well Nam	e & No.			<del></del>		County			State		700	12.00
Operation		ek #1	Casing	·	Mu	Barton d Volume (BBL)			Cit	Kansas culation Data		
Present Ac	tivity illing	8 5/8	in. at	396	234	Pits <b>400</b>	Liner Size 6	Stroke 14	Oppos	ite Drill Pipe 191	Pump Pres:	ure -
Bit Size (in. <b>7 7/8</b>	) 2 No		Intermediate in. at		Total Circula	ating Vol. <b>634</b>	Est.Hole/DC 6		Oppos	ite Drill Collars 348	Pump Make Oil	well
Drill pipe sz 4 1/2		F	Production / Lin	er	Volume in S		BBV Strk 0.129		Botton	ns Up (Min.)	Pump Mode	el
Drill Collar	size	Drilling mud	in. at type				BBL./Min.	GAL/Min.	Systen	26 n Total (Min)	Critical GPN	
6 1/4 Sample fro	480 om Flowline	x or Pit	Chemic	al		Daily Mud Cost	7.8	326	Cumu	82 lative Mud Cost	201	275
	emperature _		I	Mud Pro	perties	Daily Midd Cost	1,861	1.69	Curio	iauve muu cost	3,18	32.61
Time Co	mple Taken		2:05 DM						S SPE	CIFICATIONS		
Depth (F			3:05 PM 2,755			Mud Wt.(lbs/gal.) 9.0-9.4	Visco 46-			Filtrate <b>8-10.0</b>		<sub>см</sub> e <b>ded.</b>
Weight (	(lb/gal.)		8.7	•								
	dient (psi/ft.)		0.452			Suggest:						
	/iscosity (Sed	c/qt. API)	42 9									
	int (lb/100 sc	ı.ft.)	10			1. Gel - As ne	eded for	vis. mix	with	pit mud		
Gel Strei	ngth 10 sec		10/23					,		pitmaa		
pH			12.0			2. Water - sm	ali stream	n while d	drillin	g		
	API (ml/30 mi ickness 32n		10.0	····-		2 Suggest of	2200					
	, Mud (Pm)		-		<del></del>	3. Suggest at 80 bbls wate						
	, Filtrate (Pf/	Mf)	1.1/-		<del>- </del>	2 caustic	<b>,</b>					
	Content, pp	m	3,500			2 Soda Ash	1					
Calcium.		\/al\	40		_	1 Lignite						
	ntent (% by ontent (% by		Tr 2.0		+	1 full sx of p Add Gel as	)8C needed					
	ent (% by Vo		0.0	· · · · · · · · · · · · · · · · · · ·		Jet hole and a	dd over 1	1/2 hoi	ırs			
	ontent (% by		98.0		1		0.0	<i>,,</i> ,, ,, ,,				
LCM, lbs			Tr			4. Keep hole f	ull on all t	trips				
Reynold's Reynold'			2,551 4,014			5 Add I CM o						
ECD lb/g			9.23			5. Add LCM as Add 15 sxs		er 1st Ai	thuck	de test		
			D INVENTO			6. Circulate ho						
Products:	Prior Day	Delivery	On Hand	Used	Cost					-		
Premium Gel	580		399	181	1,013.60							
Lime	4		4									
Soda Ash	26 15		22 11	4	76.40							
Caustic Soda Lignite	16		12	<u>4</u> 4	202.04 84.40					RECEIVE	ED	3N
C/S Hulls	85		78	<del></del>	82.25				KANS	SAS CORPORATION	COMMISSIC	λIA
Drill Pak	7		6	1	305.00					JUN 192	กกร	
Desco Drill Star	2		7	1	98.00					JOH 1 9 E		
Florigei										CONSERVATION		
Xcide		······································				THANK YOU!				WICHITA, K	<b>.</b>	
Sapp												
Barite						#						
MilGuard						#						
Mud-Co/S <b>Rick Hu</b>	Service Mud R I <b>ghes</b>	epresentativ	⁄e		Home Addre Great Be	ess end, Kansas				one Number 7 <b>92-5425</b>		
Cell: 6:	20-791-76	23			Warehouse Pratt K	Location		•	Teleph	one Number	· · · · · · · · · · · · · · · · · · ·	

100 S.	Main St.,	Suite #	310, Wid	hita,Ks	s. 67202	,					Report:	3
Daily Dr	illing Mud	Report							Date:	05/02/08	Depth:	2755
Operator	Kirby k	(rior Oi	I Co		,	Contractor  Powel Drillin	~			Rig No.	4	
Address	Kirby K	Crier Oil	CO.	··········		Royal Drillin	<u>y</u>			Spud Date	1	
Description	Rig				·	Rig					/29/08	Danna
Report for	<sub>мг.</sub> <b>Kirby K</b>	(rier				Report for Mr. <b>Doug Budig</b>				Section <b>26</b>	Twp <b>16S</b> .	Range 12W
Well Name	& No.					County			State			
Operation	Dolech	ek #1	Casing		I Mu	Barton id Volume (BBL)	·	07-70-1		Kansas culation Data		*** ****
Present Acti	•		Odding		Hole	Pits	Liner Size	Stroke		ite Drill Pipe	Pump Press	ure
Dril Bit Size (in.)	lling No	8 5/8	in. at Intermediate	396	234 Total Circula	400	6 Est.Hole/DC	14	Onno	191 ite Drill Collars	Pump Make	-
7 7/8	2	1	in. at		Total Circula	634	8.5		Ορρικ	348		vell
Drill pipe sz	Туре	F	Production / Lin	er	Volume in S	Storage	BBV Strk		Botton	ns Up (Min.)	Pump Mode	
4 1/2 Drill Collar s	XH	Drilling mud	in. at tvoe				0.129 BBL/Min.	60 GAL/Min.	Syster	<b>26</b> n Total (Min)	21 Critical GPN	4P
6 1/4	480		Chemic	al			7.8	326	-,-	82	201	275
	m Flowline _	x or Pit _	т	**		Daily Mud Cost	1,86	4 60	Cumu	lative Mud Cost	2 40	2 64
Flowline 16	emperature _			Mud Pro	perties				S SDE	CIFICATIONS	3,18	2.01
Time San	nple Taken		3:05 PM			Mud Wt.(lbs/gal.)	Visco		JOPE	Filtrate		СМ
Depth (Ft			2,755			9.0-9.4	46-	50		8-10.0	As ne	eded.
Weight (II			8.7 0.452			Suggest						
	dient (psi/ft.) iscosity (Sec		42		<del> </del>	Suggest:						
	scosity cp	o. q ,,	9	······································		-						
	nt (lb/100 sc		10			1. Gel - As ne	eded for	vis, mix	with	pit mud		
pH Stren	igth 10 sec	/10 min.	10/23 12.0		ļ	2. Water - sm	all etroan	n while c	drillin	o cr		
	PI (ml/30 mi	n.)	10.0		+	2. Water - Sin	an sacan	i wiiiie c		g		
Cake Thi	ckness 32n		1			3. Suggest at	<i>3200:</i>					
	Mud (Pm)	(8.66)	-			80 bbls water	er					
	Filtrate (Pf/ Content, ppi		1.1/- 3,500	·		2 caustic 2 Soda Ast	)					
Calcium.	ppm		40			1 Lignite				•		
	ntent (% by		Tr			1 full sx of	pac į į					
	ntent (% by nt (% by Vo		2.0 0.0	*	<u> </u>	Add Gel as Jet hole and a		1 1/2 hou	ırc			
	ntent (% by		98.0		<del>                                     </del>	Jet Hole and a	uu over i	1/2 1100	113			
LCM, lbs/			Tr			4. Keep hole t	ull on all	trips				
Reynold's Reynold's		***************************************	2,551			5. Add LCM a	o poodod	1				
ECD lb/ga			4,014 9.23			Add 15 sxs			rbuci	kle test		
			D INVENTO		- <b>-</b>	6. Circulate he						
Products:	Prior Day	Delivery	On Hand	Used	Cost							
Premium Gel	580		399	181	1,013.60							
Lime	4		4									
Soda Ash Caustic Soda	26 15		<u>22</u> 11	4	76.40 202.04					_		
Lignite	16		12	4	84.40	4				KANSAS COR	ECEIVED PORATION O	
C/S Hulls	85		78	7	82.25					,		
Drill Pak	<u>7</u>		<u>6</u> 1	1	305.00					<b>IUL</b>	N 1920	08
Desco Drill Star				1	98.00					00110-	O /47:00	#010··
Florigel											RVATION DI\ MICHITA, KS	NSION
Xcide						THANK YOU!						
Sapp Barite		<del></del>				<u>"</u>						
MilGuard						#						
Mud-Co / Se	ervice Mud R	epresentati	/e		Home Addr	ess			Telenh	one Number		
Rick Hu	ghes	-			Great Be	end, Kansas				792-5425		
Cell: 62	20-791-76	23			Warehouse Pratt K					one Number		

100 S. Main St.,	, Suite #	310, Wid	:hita,Ks	67202						Report: _	4
Daily Drilling Mud	l Report							Date:	05/03/08	Depth:	3168
Operator					Contractor			1	Rig No.		****
	Krier Oil	Co.			Royal Drillin	g				1	
Address <b>Rig</b>					Address <b>Rig</b>				Spud Date	4/29/08	
Report for Mr.					Report for Mr.		·		Section		Range
	Krier/Jin	n Musgi	rove		Doug Budig				26	165	12W
Vell Name & No.					County		-	State			
Dolech	1ek #7	Casina		V	Barton				Kansas Circulation Data		
Operation Present Activity		Casing		Hole	d Volume (BBL) Pits	Liner Size	Stroke			Pump Pressu	re
Drilling	8 5/8	in. at	396	269	<b>350</b>	6	14	''	198	. 8	00
Bit Size (in.) No 7 7/8 2		Intermediate in. at		Total Circula	ating Vol. 619	Est.Hole/DS 6	2.362	Oppos	ite Drill Collars 359	Pump Make Oil	well
Orill pipe sz Type	Pr	oduction / Lir	ner	Volume in S		BBI/ Strk		Botton	ns Up (Min.)	Pump Model	
4 1/2 XH		in. at		80	0 going in	0.129	62		29	21	4P
Orill Collar size	Drilling mud t					BBL./Min.	GAL/Min.	Syster	n Total (Min)	Critical GPM	
6 1/4 480	- Dia	Chemic	;ai	A company of the contract of t	Daily Mart Cart	8.0	336		77	283	420
Sample from Flowline _ Flowline Temperature	XOFPIT_	~	Mud Prop	ortice	Daily Mud Cost	938.	01	Cumu	lative Mud Cost	A 12	21.52
iowine remperature_	-VIII		Widd Prop	erues				ES SD	ECIFICATIONS	7,12	1.52
Time Sample Taken		8:55 AM			Mud Wt.(lbs/gal.)	Visco		IES SP	Filtrate	L	СМ
Depth (Ft.)		3,168		<u> </u>	9.0-9.4	46-			8-10.0		eded.
Weight (lb/gal.)		8.8						I			
Mud Gradient (psi/ft.		0.458			Suggest:						
Funnel Viscosity (Se	c/qt. API)	54									
Plastic Viscosity cp	- 4 \	11 20			1 Col 10 00	adad for	vio miv	with	nit mud		
Yield Point (lb/100 so Gel Strength 10 sec		36/83		ļ	1. Gel - As ne	eaea ior	vis, IIIIX	WILI	ри тиа		
pH	a to tilit.	11.0			2. Water - sm	ali stream	while (	drillin	a		
Filtrate API (ml/30 m	in.)	10.2	Reserve		2. 774.01 0111	an on oan		41 11111	9		
Cake Thickness 32r	nd	1	Pit		3. Suggest aft	er DST#	1:				
Alkalinity, Mud (Pm)		-			40 bbls wate	er/40 bbls	pit mu	d			
Alkalinity, Filtrate (Pf		.24/-		-	2 caustic						
Chloride Content, pp Calcium. ppm	m	5,000 20	57,000		2 Soda Ash	)					
Sand Content (% by	Vol	Tr	Estimate: Volume:		1 Lignite Remainder	of onen	v nac				
Solids Content (% by			1000 bbls	d l	Add Gel as	needed	x pac				
Oil Content (% by Vo		0.0			Jet hole and a		1/2 hou	ırs			
Nater Content (% by	(Vol.)	96.7						-			
LCM, lbs/bbl.		0			<ol><li>Keep hole f</li></ol>	ull on all	rips				
Reynold's #DP Reynold's # DC		1,418			E Add 1004 -						
CD lb/gal		2,621 9.41			5. Add LCM as Add 15 sxs		r 1ot A	rhuo!	kla taat		
	NG MUD IN		· · · · · · · · · · · · · · · · · · ·		6. Circulate ho						
Products: Prior Day	Delivery	On Hand	Used	Cost	o. o. o. o. o.	no oroan p	<i>37.01 to</i>	<i>D</i> 0,	or log		
remium Gel399		302	97	543.20							
me <u>4</u>		4									
oda Ash 22		21		19.10							
gustic Soda 11 gnite 12		10 11	1	50.51					F	RECEIVED	)
gnite 12 S Hulls 78		78		21.10						RPORATION C	
ill Pak 6		5	1	305.00							
esco 1		1							JUI	N 19200	18
III Star											
origel										RVATION DIVI	SION
ide					THANK YOU!				,	WICHITA, KS	
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ud-Co / Service Mud R	epresentativ	2		Home Addre	" 			Tolo-L	one Number		
ick Hughes	-F. 100.11dii41	-		<b>Great Be</b>	end, Kansas			<u>620-7</u>	one Number 7 <b>92-542</b> 5		
Cell: 620-791-76	23			Warehouse Pratt, Ks					one Number <b>572-2957</b>		

#### Mud-Co / Service Mud, Inc. 100 S. Main St., Suite #310, Wichita, Ks. 67202 4 Report: Date: 05/03/08 3168 Daily Drilling Mud Report Depth: Ria No. Operator Contractor Kirby Krier Oil Co. Royal Drilling 1 Address Address Soud Date 04/29/08 Rig Rig Report for Mr. Report for Mr. Section Range 165 12W Kirby Krier/Jim Musgrove **Doug Budig** 26 Well Name & No. County State Dolechek #1 Barton Kansas Operation Casing Mud Volume (BBL) Circulation Data Liner Size Stroke Present Activity Opposite Drill Pipe Pump Pressure Hole Drilling 8 5/8 396 269 350 14 198 800 6 in. at Bit Size (in.) Est. Hole/DS capacities No Intermediate Total Circulating Vol. Opposite Drill Collars Pump Make 7 7/8 2.362 619 8.5 359 Oilwell in. at Drill pipe sz Type Production / Liner Volume in Storage BBV Strk Bottoms Up (Min.) Strk / Min. Pump Model 4 1/2 XH 0.129 29 214P 80 going in 62 in. at Drill Collar size Drilling mud type BBL./Min. GAL/Min. System Total (Min) Critical GPM DC/DP 6 1/4 Chemical 480 8.0 336 **77** 283 420 Sample from Flowline \_x\_ or Pit Daily Mud Cost Cumulative Mud Cost Flowline Temperature **Mud Properties** 938.91 4,121.52 **MUD PROPERTIES SPECIFICATIONS** Time Sample Taken 8:55 AM Mud Wt.(lbs/gal.) Viscosity LCM Depth (Ft.) 3,168 9.0 - 9.446-50 8-10.0 As needed. Weight (lb/gal.) 8.8 Mud Gradient (psi/ft.) 0.458 Suaaest: Funnel Viscosity (Sec/qt. API) 54 Plastic Viscosity cp 11 Yield Point (lb/100 sq.ft.) 20 1. Gel - As needed for vis, mix with pit mud Gel Strength 10 sec/10 min. 36/83 11.0 2. Water - small stream while drilling Filtrate API (ml/30 min.) 10.2 Reserve Cake Thickness 32nd Pit 3. Suggest after DST #1: Alkalinity, Mud (Pm) 40 bbls water/40 bbls pit mud 24/-Alkalinity, Filtrate (Pf/Mf) 2 caustic Chloride Content, ppm 5,000 57.000 2 Soda Ash Calcium, ppm 20 **Estimated** 1 Lianite Sand Content (% by Vol) Tr Volume: Remainder of open sx pac Solids Content (% by Vol.) 3.3 1000 bbls Add Gel as needed Oil Content (% by Vol.) 0.0

Jet hole and add over 1 1/2 hours

- Keep hole full on all trips
- Add LCM as needed. Add 15 sxs Hulls after 1st Arbuckle test
- Circulate hole clean prior to DST or log

RECEIVED KANSAS CORPORATION COMMISSION

JUN 19 2008

CONSERVATION DIVISION WICHITA, KS

Products:	Prior Day	Delivery	On Hand	Used	Cost
Basania an Cal	399		202	07	542.20
Premium Gel			302	97	543.20
Lime	. 4		4		
Soda Ash	22		21	1	19.10
Caustic Soda	11		10	1	50.51
Lignite	12		11	1	21.10
C/S Hulls	78		78		
Drill Pak	6		5	1	305.00
Desco	1		1		
Drill Star					
Florigel					
Xcide					
Sapp					
Barite					#
MilGuard					#

DRILLING MUD INVENTORY

96.7

n

1.418

2.621

9.41

Water Content (% by Vol.)

LCM, lbs/bbl.

Reynold's #DP

ECD lb/gal

Reynold's # DC

THANK YOU!

Mud-Co / Service Mud Representative Home Address Telephone Number Rick Hughes Great Bend, Kansas 620-792-5425 Warehouse Location Telephone Number Cell: 620-791-7623 Pratt, Ks. 620-672-2957

100 S. I	Main St.,	Suite #	t310, Wid	chita,Ks.	67202						Report:	5
Daily Dri	illing Mud	Report							Date	05/04/08	Denth:	3369
Operator	9	· · · · · · · · · · · · · · · · · · ·				Contractor			Duic	Rig No.		
Орогалог	Kirby H	(rier Oi	I Co.			Royal Drillin	q			7 tig 710.	1	
Address	Rig	······				Address <b>Rig</b>	<u> </u>		Spud Date <b>04/29/08</b>			
Report for I			······································			Report for Mr.				Section		Range
		(rier/Ji	m Musg	rove		Doug Budig				26	16S	12W
Well Name	No. Dolech	ek #1				County Barton			State	Kansas		
Operation			Casing	· · · · · · · · · · · · · · · · · ·		d Volume (BBL)			Ci	rculation Data		
Present Acti	vity <b>ling</b>	8 5/8	in. at	396	Hole <b>286</b>	Pits <b>400</b>	Liner Size 6	Stroke 14	Орро	site Drill Pipe 191	Pump Press	ure -
Bit Size (in.) 7 7/8	2 No		Intermediate		Total Circula	nting Vol. <b>686</b>	Est. Hole/DS 6	2.362	Орро	site Drill Collars 348	Pump Make Oilv	
Drill pipe sz	Туре	-	in. at Production / Lii	ner	Volume in S		BBI/ Strk	Strk / Min.	Bottoi	ns Up (Min.)	Pump Model	
4 1/2	XH		in. at			Volume	0.129	60		31	21.	4P
Drill Collar si	ze   <b>480</b>	Drilling mud	type <b>Chemi</b> o	cal			BBL./Min. <b>7.8</b>	GAL/Min. <b>326</b>	Syste	m Total (Min)  89	Critical GPM 279	428
•	m Flowline _	x or Pit_	T		<del></del>	Daily Mud Cost		***************************************	Cum	ulative Mud Cost	<del> </del>	A
Flowline Te	mperature _			Mud Prop	erties		-128		e ene	CIFICATIONS	3,99	2.72
Time San	nple Taken		11:00 AM			Mud Wt.(lbs/gal.)	Visco		3 SPE	Filtrate	LC	M
Depth (Ft	<del></del>		3,369			9.0-9.4	46-	50		8-10.0	As ne	eded.
Weight (It	o/gal.) lient (psi/ft.)		8.8 0.458	(Gas cut	)	Suggest:						
	scosity (Se		49			Suggest:						
Plastic Vis			9									
	nt (lb/100 sc		21			1. Gel - As ne	eded for	vis, mix	with	pit mud		
pH Stren	gth 10 sec	/10 min.	34/74 10.0			2. Water - sm	all etraam	while	trillir	na .		
	PI (ml/30 mi	n.)	12.4			2. VValer - Sim	an sucam	Willie C	41 11111	<i>'</i> 9		
	kness 32n	d	2			3. Suggest if r	nore hole	is mad	e af	ter log:		
	Mud (Pm) Filtrate (Pf/	MAG)	.05/-			40 bbls wate 3 caustic	er/40 bbis	pit mud	<i>d</i>			
	Content, pp		7,700		i	3 Soda Ash	)		•			
Calcium.	opm		100			1 Lignite						
	tent (% by		TR	/F-4 \		1 full sx of p	oac					
	ntent (% by nt (% by Vo		3.0 0.0	(Est.)		Add Gel as Jet hole and a		1/2 hou	ıre			
	ntent (% by		97.0				uu over 1	172 1100	113			
LCM, lbs/l			0			4. Keep hole f	ull on all	rips				
Reynold's Reynold's			1,286 2,574			5. If more hole	ie mada	odd 16	: ove	s bullo ond m	acintain	
ECD lb/ga			9.39			1-2 lb/bbl Li	CM				iairilairi	
Products:	DRILLII Prior Day	NG MUD IN Delivery	VENTORY On Hand	Used	Cost	6. Circulate ho	ole clean <sub>l</sub>	prior to	DS7	or log		
Describer Oct												
Premium Gel _ Lime	302		<u>325</u> 4	23	-128.80					DE0-	11 / / / / / / / / / / / / / / / / / /	
Soda Ash	21		21	-					1	RECE KANSAS CORPORA	IVED	201011
Caustic Soda	10		10								TON COMMIS	SION
Lignite C/S Hulls	11 78		<u>11</u> 78							JUN 1	9 200R	
Drill Pak	5		5	~								
Desco	1		1							CONSERVATION WICHIT	ON DIVISION	
Drill Star		***								mont,	r, no	
Florigel Xcide	<del></del>					THANK YOU!			•			
Sapp												
Barite												
MilGuard						*						
Mud-Co / Se		epresentati	ve		Home Addre					one Number		
Rick Hug			<del></del>		Warehouse	end, Kansas				792-5425 none Number		<del></del>
Cell: 62	0-791-76	23			Pratt, Ks					672-2957		

100 S. I	Main St.,	Suite #	S I U, VVI	.πa,∧S	. 0/202					Report:	5	
Daily Dri	illing Mud	Report							Date: <b>05/04/08</b>	Depth:	3369	
Operator Kirby Krier Oil Co.					Contractor Royal Drillin	~	Rig No.	1	,			
Address						Address	9		Spud Date			
S //-	Rig					Rig				4/29/08		
Report for I	<sup>мг.</sup> <b>Kirby K</b>	rior/ lir	n Musa	rove		Report for Mr. <b>Doug Budig</b>		Section <b>26</b>	16S	Range 12W		
Well Name	& No.		ii wasy	1016		County	·····	•	State	703	1211	
	Dolech	ek #1				Barton			Kansas			
Operation Present Activ	vitv		Casing		Mu Hole	d Volume (BBL) Pits	Liner Size	Stroke	Circulation Data Opposite Drill Pipe	Pump Press	ure	
Dril	ling	8 5/8	in. at	396	286	400	6	14	191		•	
Bit Size (in.) 7 7/8	2 No		Intermediate in. at	•	Total Circula	ating Vol. <b>686</b>	Est.Hole/DS 8.5	2.362	Opposite Drill Collars 348	Pump Make Oilv		
Drill pipe sz	Туре	F	roduction / Li	ner	Volume in S		BBI/ Strk		Bottoms Up (Min.)	Pump Model		
4 1/2	XH		in. at			Volume	0.129	60	31	21		
Drill Collar si 6 1/4	ze 480	Drilling mud	<sub>type</sub> Chemic	ral ·			BBL./Min. <b>7.8</b>	GAL/Min. <b>326</b>	System Total (Min)  89	Critical GPM 279	428	
	m Flowline _x	or Pit_	_	,u,	<del>,</del>	Daily Mud Cost	1 7.0	320	Cumulative Mud Cost		720	
Flowline Te				Mud Prop	erties		-128	.80		3,99	2.72	
Time San	nple Taken		11:00 AM			Mud Wt.(lbs/gal.)			S SPECIFICATIONS			
Depth (Ft			3,369			миа wt.(ibs/gai.) <b>9.0-9.4</b>	Visco 46-		Filtrate <b>8-10.0</b>	As ne		
Weight (It	<u> </u>	***************************************	8.8	(Gas cut	)				0 10.0	1 710 110	<del></del>	
	lient (psi/ft.)		0.458			Suggest:						
	scosity (Sec	/qt. API)	49									
	scosity cp	ff )	21		-	1 Gel-As ne	eded for	vie miy	with nit mud			
Yield Point (lb/100 sq.ft.) 21  Gel Strength 10 sec/10 min. 34/74						1. Gel - As needed for vis, mix with pit mud						
pН			10.0			2. Water - sm	all ștrean	n while d	drilling			
	PI (ml/30 mir		12.4			2 Cummant if		. :	la affantam			
	kness 32nd	1	2			3. Suggest if more hole is made after log: 40 bbls water/40 bbls pit mud						
Alkalinity, Mud (Pm) - Alkalinity, Filtrate (Pf/Mf) .05/-					3 caustic	71740 0013	pit iliut	J				
Chloride (	Content, ppn		7,700			3 Soda Ast	}					
Calcium.			100			1 Lignite						
	tent (% by V		TR 3.0	(Est.)		1 full sx of p Add Gel as	)ac noodod					
	nt (% by Vol.		0.0	(LSL)		Jet hole and a	dd over 1	1/2 hou	ırs			
	ntent (% by	Vol.)	97.0						_			
LCM, lbs/l Reynold's			0 1,286	· · · · · · · · · · · · · · · · · · ·		4. Keep hole t	ull on all	trips				
Reynold's			2,574			5. If more hole	is made	add 15	sxs hulls and r	maintain		
CD lb/ga	al		9.39			1-2 lb/bbl L	CM		•	- Idii Italii		
Drodusts.			VENTORY	11	A	6. Circulate ho	ole clean	prior to	DST or log			
Products:	Prior Day	Delivery	On Hand	Used	Cost							
remium Gel	302		325	-23	-128.80							
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oda Ash austic Soda	21 10		21 10	····								
austic 30ua _ ignite	11		11									
/S Hulls	78		78						KANGAG	RECEIVE	ED.	
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	rvice Mud Re	nresentatio	/P	1	Home Add	-			Tolonbor - No. 1			
lick Hug		hieseiligil/			Home Addre	end, Kansas			Telephone Number			
	,.,		- ,		Warehouse				620-792-5425 Telephone Number			
	0-791-762											

	DEL	IVER	Y TICKET	6)	105606			
100 S. Main, Suite 310 • Wichita	20 <b>G</b> 3 (A)		DELIVERI	ng ware		F.O.B.  WAREHOUSE  WELL SITE	0011507	NAL WELL
		204-2014	SHIPPED,	<u> </u>	Pratt	WELL NAME & N		TICKET
ADDRESS	Krier		SHIPPED	O Va	<u>/</u>	COUNTY, STATE	rcheK	
CITY, STATE, ZIP			ORDER N	4		Barton	RNG	<i>S</i>
CITT, STATE, ZIP			ORDER IN	<del></del>		SEC TWN	72W	
PRODUCT		PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT PRICE	AMOUNT	Г
1. Caustic Soda SODIUM HYDROXIDE UN# 1823-8-1310- EM# 1-800-424-93	-73-2	50#	<b>Control</b>	Bag				
2. Mud-Co Gel		50#	420	Bag				
		50#	720	Bag				
3. Salt Clay  4. Mud-Co Starch		50#		Bag				
5. Lime		50#	2	Bag				
6. Cotton Seed Hulls	<u> </u>	50#	<del></del>	Bag				+
7. Soda Ash	· · · · · · · · · · · · · · · · · · ·	50#	14	Bag				+
8. Lignite		50#	·	Bag				
9. Dyna Pac		50#	10	Bag				
10. Desco	·	25#		Bag				
11. Co-Poly L		5gal						
12. X-Cide 102W		5gal						
13.		- 5						
14.								
15.								
16.			***************************************					
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MATERIAL RECEIVED IN GOOD ORDER	TRANSF	PORTATION	CHARGES		SUB TOTAL	κ	ANSAS CORPORATI	ON COMMISS
	TRUCK #	MILEAGE	FRO	OM ;			JUN 19	2008
DATE RECEIVED	(	2			STALES TAX		CONSERVATION	
	(	<u> </u>					WICHITA	, KS
PURCHASE AUTHORIZED BY	(	0			TRANSPORTATION	ON		
PURCHASE AUTHORIZED BY  TOTAL TRANSPORTATION CHARGES					TOTAL			

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100 S. Main, Suite 310 · Wichita,		10 INC.	DATE SHI	NG WARE	1-08 EHOUSE	F.O.B.  WAREHOUSE C		AL WELL
		204-2014	SHIPPED		ATT	Neder L MARKE O. A		CKET
ADDRESS KIRBY KR	IER		SHIPPED	1	AL ,	1000	- CICI	
CITY, STATE, ZIP			ORDER N	6	1-33	SEC TWN		
5111, 517112, Zii		1	01121111	<u> </u>	I	SEC TWN	- 13 <sup>RNG</sup>	
PRODUCT		PACKAGE SIZE	QUANTITY	PRICING LIST	CODE	UNIT PRICE	AMOUNT	
1. Caustic Soda  SODIUM HYDROXIDE  UN# 1823-8-1310- EM# 1-800-424-93	73-2	50#	12	Bag			,	
2. Mud-Co Gel		50#	244	Bag				
3. Salt Clay		50#	• •	Bag				
4. Mud-Co Starch		50#		Bag		-		
5. Lime		50#	4	Bag				
6. Cotton Seed Hulls		50#	87	Bag				
7. Soda Ash		50#	15	Bag				
8. Lignite		50#	8	Bag				
9. Dyna Pac		50#	5	Bag				
10. Desco		25#	3	Bag			7.0	
11. Co-Poly L		5gal						,
12. X-Cide 102W		5gal						
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MATERIAL RECEIVED IN GOOD ORDER		PORTATION			SUB TOTAL		JUN 19 20	80
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DATE RECEIVED		<u> </u>			STALES TAX		WICHITA, KS	
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PURCHASE AUTHORIZED BY		2	,		TRANSPORTAT	ION		
	TOTAL TRANS					TOTAL		

ROUTING: WHITE - CUSTOMER; BLUE - CUSTOMER RIG; GREEN - WICHITA; CANARY - WAREHOUSE