KOLAR Document ID: 1422074

Confiden	tiality 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:	Sec TwpS. R □East 🗌 West
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 #	
Name:	(e.g. xx.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	
Purchaser:	
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workove	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 Co	nv. to SWD Drilling Fluid Management Plan
Plug Back Liner Conv. to GSW Co	
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #: Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	
EOR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion	Quarter Sec TwpS. R East West
Recompletion Date Recompleti	

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:				

KOLAR Document ID: 1422074

Operator Name:	Lease Name: Well #:
Sec TwpS. 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 (Attach Additional Sh	acate)	Y	′es 🗌 No			og Formatio	n (Top), Depth a	and Datum	Sample
Samples Sent to Geolo			⁄es 🗌 No	1	Name	Э		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		□ Y □ Y	Yes ☐ No Yes ☐ No Yes ☐ No						
		Rep	CASING ort all strings set-c] Ne	w Used rmediate, productio	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
[ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose: Depth Perforate		Туре	e of Cement	# Sacks Used			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 fracture 	total base fluid of the	hydraulic fr	acturing treatment		-	☐ Yes ns? ☐ Yes ☐ Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
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	Water Bbls. Gas-Oil Ratio Gravity				Gravity
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:		PRODUCTIC Top	DN INTERVAL: Bottom
Vented Sold (If vented, Subn	Used on Lease		Open Hole Perf.		Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)		Bollom		
Shots Per Perforation Perforation Foot Top Bottom			Bridge Plug Bridge Plu Type Set At			Acid,		ementing Squeezend of Material Used)	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Gra Ex, LLC
Well Name	LUCAS 2
Doc ID	1422074

All Electric Logs Run

DIL	
CDL/N	
MICRO	
SONIC	

Form	ACO1 - Well Completion
Operator	Gra Ex, LLC
Well Name	LUCAS 2
Doc ID	1422074

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	257	pozmix	220	60/40 3%cc 2%gel
Production	7.875	5.50	15.5	4135	80/20	375	100 flo seal
Production	7.875	5.50	15.5	4135	common	175	875 gilsonite



Page: 1



Acid & Cement

(620) 463-5161 FAX (620) 463-2104

BURRTON, KS 🍐 GREAT BEND, KS (620) 793-3366 FAX (620) 793-3536

PLIF OFFICE BOX 438

HAYSVILLE, KS 67060

(316) 524-1225

(316) 524-1027 FAX

INVOICE NUMBER: C45890-IN

LEASE: LUCAS #2

BILL TO: **GRA-EX, LLC PO BOX 32** KINGMAN, KS 67068

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE C	RDER SPECIAL		INSTRUCTIONS		
07/17/2018	C45890	و برمایی میرون میرون این ا	07/09/2018	151		N	NET 30		
QUANTITY	U/M	ITEM NO./DE	ESCRIPTION		D/C	PRICE	EXTENSION		
		NEW WELL							
25.00	мі	MILEAGE CEME	NT PUMP TRUCK		15.00	ن <u>م</u> 4.00	85.00		
25.00	мі	MILEAGE PICKL	IP		15.00	2.00	42.50		
1.00	EA	PUMP CHARGE	SURFACE PIPE		15.00	1,100.00	935.Č		
225.00	SK	60/40 POZ MIX 2	2% GEL		15.00	10.75	2,055_4		
11.00	sк	CALCIUM CHLO	RIDE		15.00	30.00	280 0		
236.00	EA	BULK CHARGE			15.00	1.25	250.7		
259.50	мі	BULK TRUCK - 1	ON MILES		15.00	1.10	242.6 ₀		
						5			
						м.			
			13						
REMIT TO:			COP			Net Invoice:	3,892 52		
P.O. BOX HAYSVILI	438 .E, KS 67060		E IS NOT TAXABLE AND AND OR DELIVERY CHA		STFCO Sales Tax: Invoice Total:		175. 3		
RECEIVED BY			NET 30 DAYS	INVES ONE I.			4,067.55		

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days past due.

Copeland Acid & Cement is a subsidiary of Gressel Oil Field Service

Gressel Oil Field Service reserves a security interest in the goods sold until the same are paid for in full and reserve all the rights of a secured party under the Uniform Commercial Code.

Acid & Cement	NEW WEL	FIELD ORDER № C 45890
	BOX 438 • HAYSVILLE, KANSAS 67060 316-524-1225	
\bigwedge	DAT	E20_18
IS AUTHORIZED BY:		
Address	City	State
To Treat Well As Follows: Lease	Well No. 772	Customer Order No.
Sec. Twp. 4-245-15W	County_Staffor	State_KS

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid Service is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.

By

perator or Agent

The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

		Well Owner or Operator	Agent	
CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
2	25	Mileage Pizle UP	200	So or
				11000
2	25	Mileage Purp Truck	Yee	110 05
2		Pump Charge - Surface Pipe		11000
2	225	60/40 2% (gel	1025	241825
2	11	Califum Chloride	300	33000
	а			
2	236	Bulk Charge	125	29500
2		Bulk Truck Miles 10, 387× 25 miles: 259,507m		285 56
		Process License Fee onGallons		4579.31
		TOTAL BILLING	D. Zidian	-686.90

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below. $\frac{1}{3892}$

Copeland Representative	ner	C	
$\int d$			
Station			

Remarks_

NET 30 DAYS



TREATMENT REPORT

Acid Stage No.	Acid Stage No.	
----------------	----------------	--

		Type Treatment:	Amt.	Type Fluid	Sand Size	Pound	ds of Sand
ate 7/9/2018 District GB	F.O. No. 45890	Bkdown	Bbl./Gal.				
Company GRA EX, LLC			Bbl./Gal.				
Vell Name & No. LUCAS #2			Bbl./Gal.				
ocation	Field		Bbl./Gal.				
ounty STAFFORD	State KS	Flush	Bbl./Gal.		5		
		Treated from		ft. to	ft.	No. ft.	0
asing: Size 8 5/8 Type & Wt.	Set at	ft. from		ft. to	ft.	No. ft.	0
ormation:	Perf. to	from		ft. to	ft.	No. ft.	0
ormation:	Perfto	Actual Volume of 0	Dil / Water to Load Ho	le:			Bbl./Gal.
ormation:	Perf. to						
iner: Size Type & Wt. To	op atft. Bottom at	ft. Pump Trucks.	No. Used: Std.	320 Sp.		Twin	linear traces and the
Cemented: Yes Perforated from	nft. to	ft. Auxiliary Equipmen	nt		327		
ubing: Size & Wt.	Swung at	ft. Personnel GREG	AARON				
Perforated from	ft. to	ft. Auxiliary Tools					
		Plugging or Sealing	g Materials: Type				
Open Hole Size T.D	ft. P.B. to	ft.			Gals	•	lb.
					IDTIC		
		Treater		GKEG CL	JKTIS		
ormation: ormation: iner: SizeType & WtTo Cemented: Yes Perforated from 'ubing: Size & Wt Perforated from	Perf to Perf to op at ft. Bottom at ft. to Swung at ft. to	ft. from from Actual Volume of O ft. Pump Trucks. ft. Auxiliary Equipmen ft. Personnel GREG ft. Auxiliary Tools Plugging or Sealing	Dil / Water to Load Hc No. Used: Std nt ; AARON	ft. to ft. to	ft. ft. 327 Gals	No. ft No. ft Twin	0 0

TIME	PRES	SURES	Total Fluid Pumped	REMARKS
ı.m./p.m.	Tubing	Casing		
5:30				ON LOCATION
				RUN SURFACE PIPE
				PUMP 225 SKS 60/40 2% GEL 3% C.C.
				DISPLACED WITH 14.5 BBLS OF FRESH WATER
T				
			-	CEMENT CIRCULATED TO SURFACE.
	- Andreas - Andreas			
3:45				JOB COMPLETE
				THANK YOU!!!
				and a second
				·
	and an and a start of a start of the			
			1	
		1		



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:

Address/Job Location:

Ara Ex p.o. Box 32 Kingman Ks 67068

Reference: LUCAS 2 SEC 4-24-15

Description of Work: PROD STRING TOP STAGE

Services / Items Included:	Quantity	Price	Taxable	ltem	Quantity	Price	Taxable
Labor		\$ 641.27	No	×.			
Multi Density- 80/20	375	\$ 4,716.80	Yes				0.070
Bulk Truck Matl-Material Service Charge	375	\$ 269.53	No				006303
Flo Seal	100	\$ 143.75	Yes				20046-01
Bulk Truck Mileage-Job to Nearest Bulk Plant	40	\$ 100.63	No				11 A.V.

Invoice Terms:		SubTotal: \$	\$	5,871.97
Net 30	Discount Available <u>ONLY</u> if Invoice is F within listed t	Paid & Received erms of invoice:	\$	(146.80)
	SubTotal	for Taxable Items: \$	3	4,739.03
	SubTotal for N	Non-Taxable Items: \$	3	986.14
		Total: \$	5	5,725.17
	7.50% Stafford County Sales Tax	Tax: \$	Б	355.43
Thank You For Your Business!		Amount Due: \$	5	6,080.60
	App	lied Payments:		
•		Balance Due: \$	5	6,080.60
Past Due Invoices are subject to a service charge				

This does not include any applicable taxes unless it is listed. ©2008-2013 Straker Investments, LLC. All rights reserved. Date: 7/19/2018 Invoice # 908

P.O.#:

Due Date: 8/18/2018 Division: Russell

QUALITY GILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

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

State

-2N

Ks

6

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ksuil

20

No. 908

Finish

:30

3

On Location

30th

to

Phone 785-483-2025 Cell 785-324-1041 Sec. Twp. Range County -19-18 4 24 Stafford 15 Date Location Mac ucas 2 Well No. Lease Owner To Quality Oilwell Cementing, Inc. Contractor nual You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. Type Job Charge To 1/8" 4150 T.D. Hole Size Depth 4144.991 used 15,50\$ Csg Street T T 0 N P В B F

Tbg. Size	Depth	City State	
Tool DU 7601	Depth 2686,63	The above was done to satisfaction and supervision of owner	agent or contractor.
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered 200 80/26 Q MDC	44 \$ F16-seal
Meas Line	Displace 64 BUS	<u>.</u> 375	
EQUIPM	/IENT	Common 375	127
Pumptrk 18 No. Cementer B	ret	Poz. Mix	
Bulktrk No. Driver	۶ <u>۳</u>	Gel.	1
Bulktrk D. U. No. Driver Rie	K	Calcium	
JOB SERVICES	& REMARKS	Hulls	
Remarks:	•	Salt	
Rat Hole		Flowseal / OD to	81
Mouse Hole		Kol-Seal	
Centralizers		Mud CLR 48	
Baskets		CFL-117 or CD110 CAF 38	
DA or Port Collar # 37	2686. 63'	Sand	
Dide on bottom the	eat Cicculation	Handling 37	3
Tolua Rathok w/ 30 3	Ix Dlug mousehob.	Mileage	
wald sk Hook to 1	Casing + Mix 30	25 SX FLOAT EQUIPMENT	\
Cement, shutdown	· wash pumpt	Guide Shoe	12
lines + Displaced pl	us w) 64 BLS.	Centralizer	2
H7.01	0	Baskets	
Leleased + 1	held	AFU Inserts	
		Float Shoe	
Lift pressue	700 #	Latch Down	. <mark>.</mark>
Land plug to 1	600 #		
Cement did No	1 (iculate	Pumptrk Charge	
	.	Mileage 4	
-	•	Tax	
		Discount	
X Signature	BC	Total Charge	
()		· · · ·	



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:

Address/Job Location:

Gra EX P.O. BOX 32 Kingman Ks 67068

Reference: LUCAS 2 SEC 4-24-15

Description of Work: PROD STRING BOTTOM STAGE

Services / Items Included:	Quantity		Price	Taxable	ltem	Quantity		Price	Taxable
Labor		\$	\$ 724.36 No Pump Truck Mileage-Job to Nearest Camp 40					\$129.38	No
Two Stage Cement Collar,5 1/2"	1	\$	2,987.13	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	40		\$100.63	No
Common-Class A	175	\$	2,591.09	Yes					1000
Gilsonite	875	\$	943.36	Yes					
5 1/2" Turbolizer	12	\$	621.00	Yes					000
5 1/2" Basket	2	\$	402.50	Yes					
Mud Clear	500	\$	265.94	Yes					
Auto Fill Float Shoe, 5 1/2"	1	\$	241.50	Yes					
Latch Down Plug & Baffle, 5 1/2"	1	\$	191.19	Yes					
Salt (Fine) Bulk Truck Matl-Material Service Charge	15 198	\$ \$	141.23 142.31	Yes No					
	190	φ	142.51	NO		Out Tatal	¢	0 404 64	
Invoice Terms:						SubTotal:	Ф	9,481.61	
Net 30			Discou	unt Ava	ailable <u>ONLY</u> if Invoice is Paid & within listed terms		\$	(237.04)	
						and contract and contract of			
					SubTotal for Ta	axable Items:	\$	8,175.31	
					SubTotal for Non-Ta	axable Items:	\$	1,069.25	
						Total:	\$	9,244.57	
				7.50%	Stafford County Sales Tax	Tax:	\$	613.15	$\sim n^{\frac{3}{2}}$
Thank You For Your Business!					Am	ount Due:	\$	9,857.72	
					Applied I	Payments:			
					Bal	ance Due:	\$	9,857.72	
Past Due Invoices are subject to a ser	vice charge	(anr	nual rate o	of 24%)					
This door not include any applicable to		it in	liatad						

This does not include any applicable taxes unless it is listed. ©2008-2013 Straker Investments, LLC. All rights reserved.

Date: 7/19/2018 Invoice # 907

P.O.#: Due Date: 8/18/2018 Division: Russell

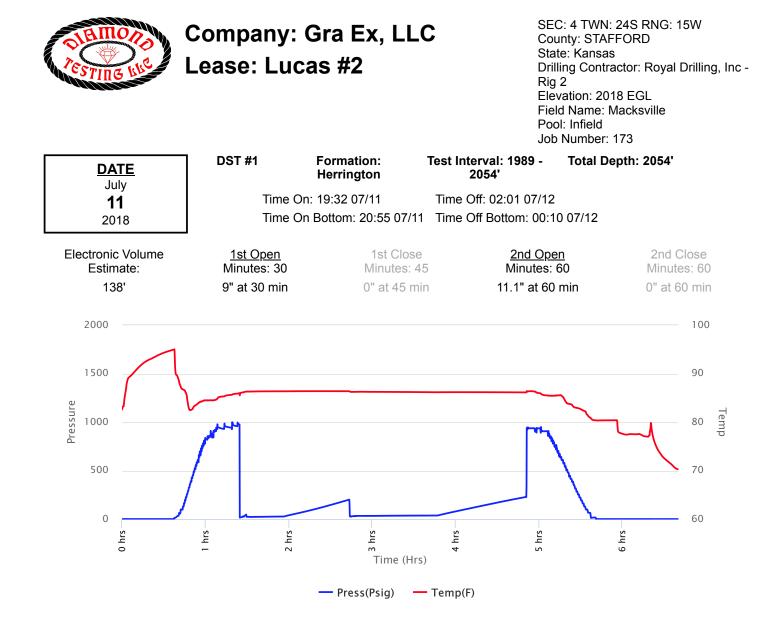
QUALITY JILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

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

No. 907

Pho	ne 785-483-20)25
Cell	785-324-1041	

Date 7-19-18	Sec. TV 42	vp. U	Range	52	County	Ks ^{State}	On	Locat	on	11	Finish	Pm
Date	10	-1	13		NTTOIN		1 2	1)	-		00	5)
Lucas		5	N-11 NI- 7	Locatio		suille - 2N	to	oo th	Street	1	40	Inte
D 1		V	Vell No. 2		Owner To Quality Oi	ilwell Cementing, In	С.					
011 01	tage		r		You are here	by requested to rer d helper to assist or	nt cementir	ng equ	ipment	and f	urnish	م
Type Job 1501tom X Hole Size, 77/8"	T.D		4150'		Charge (macu		WUIK	as iisi	eu.
11010 0120	. 50ª De		4144,99	1	To Street PC	$(a \perp x)$		-		3.		
Tbg. Size	De				Street P.C.			1-	5000	na (5706	0
Tool DUTool	, De		2686.63	1 🍸			State	2				
Cement Left in Csg. 12.9	1		12 0.1	<u>.</u>		s done to satisfaction		10% S				the second second second
Meas Line		<u>place</u>	On Va	Bis		mud Clear	Com	10/0 2	ait i	0/6 (Silson	HR
		A	<u> </u>	000	Common /	75						
Pumptrk 18 No. Cemente Helper	Brett		Rive		Poz. Mix					- Chance runser		
	Sim		/////		Gel.							_
Bulktrk No. Driver	Doug				Calcium					-		
JOB SERV	A	EMAF	RKS		Hulls						-A - 8	
Remarks:	1.5.12				Salt 15		1	1				
Rat Hole				-	Flowseal	-	and the second second	* 1919-1				
Mouse Hole					Kol-Seal	75 H		and the second		the second		
Centralizers 2,4,68, 11, 13	5, 36, 3	9 4	1.46.50 5	3	Mud CLR 48	500 gol	/	<u>×</u>		5 		35 I
Baskets 3, 37	1 - 1		1 10 0010			CD110 CAE 38						
DN or Port Collar 137					Sand			¥1				
pump 500 and mi	nd (le	25	18 Dums	7		B						
1735x Cement,	shut	1			Mileage							
+ lines, Displa	1	lua				FLOAT EQUIP	MENT					
DOG OCTOR	at J.	360	water 624	la Mud	Guide Shoe	DU Tool	Lul s	2)110			2	Q
9844 Bes to	tal,				Centralizer	12		2100				
Releaced & he	1.				Baskets 2	inter a dit e						
Lift pressure	d t	• • •	700		AFU Inserts							-
Land plug	to	15	500 #		Float Shoe	1						
					Latch Down							
Drop Dar-	open	1	000/ 1000	Ħ								
Break C	icculat	Pom							1	e		
		<u></u>			Pumptrk Cha	rge						
	~ * * * *				Mileag	2						
			and the second						Tax			
x A		1						Disc	count			
X Signature	7-18	Le		i .			То	otal Ch	narge	٩,		
, v	V											



	Company: Lease: Luc	·	LC	Cou Stat Drill Rig Elev Field Poo		D Royal Drilling, Inc - L
DATE July	DST #1	Formation: Herrington	Test Interv 205		Total Depth:	2054'
11	Time O	n: 19:32 07/11	Time Off:	02:01 07/12		
2018	Time O	n Bottom: 20:55 07	/11 Time Off	Bottom: 00:10	0 07/12	
Recovered						
Foot BBLS	<u>Descript</u>	ion of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	<u>Mud %</u>
221 2.61948	3	G	100	0	0	0
31 0.15252	2 HM	//CW	0	0	50	50
Total Recovered: 252 Total Barrels Recove	-	Reversed Out NO		Recover	y at a glance	
Initial Hydrostatic Press	sure 930	PSI	2			
Initial F		PSI	BBL			
Initial Closed in Press	ure 201	PSI	1			
Final Flow Press	sure 29 to 38	PSI				
Final Closed in Press	ure 229	PSI	0			
Final Hydrostatic Press	ure 938	PSI	1		Recove	ry
Tempera	ture 87	°F		🗧 Gas	● Oil ● Wa	ter 🔎 Mud
Pressure Change In Close / Final Cl		%		94.5%		75% 2.75%



SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

DATE	
July	
11	
2018	

Formation: Herrington

Time On: 19:32 07/11

DST #1

Test Interval: 1989 -Total Depth: 2054' 2054'

Time Off: 02:01 07/12 Time On Bottom: 20:55 07/11 Time Off Bottom: 00:10 07/12

REMARKS:

10. 1/4" Blow. Built to 9 inches in 30 mins

1C. NOBB

20. 3" Blow Built to 11 1/4 inches in 60 mins

2C. NOBB

Tool Sample: 50% W 50% M

Ph: 7

RW: .4 @ 80 degrees F

Chlorides: 75,000 ppm



SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

DATE July	DST #1	Formation: Herrington	Test Interval: 1989 - 2054'	Total Depth: 2054'
11		On: 19:32 07/11	Time Off: 02:01 07/12	
2018	Time	On Bottom: 20:55 07/11	Time Off Bottom: 00:10	07/12

Down Hole Makeup

Heads Up:	11.2 FT	Packer 1:	1983.99 FT
Drill Pipe:	1907.62 FT	Packer 2:	1988.99 FT
ID-3 1/2		Top Recorder:	1973.41 FT
Weight Pipe: ID-2 7/8	FT	Bottom Recorder:	2028 FT
Collars:	60 FT	Well Bore Size:	7 7/8
ID-2 1/4	0011	Surface Choke:	1"
Test Tool: ID-3 1/2-FH Jars Safety Joint	33.57 FT	Bottom Choke:	5/8"
Total Anchor:	65.01		
Anchor	<u>Makeup</u>		
Packer Sub:	1 FT		
Perforations: (top): 4 1/2-FH	3 FT		
Change Over:	1 FT		
Drill Pipe: (in anchor): ID-3 1/2	32.01 FT		
Change Over:	1 FT		
Perforations: (below): 4 1/2-FH	27 FT		



SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

DATE July	DST #1	Formation: Herrington	Test Interval: 1989 - 2054'	Total Depth: 2054'
11 2018		e On: 19:32 07/11 e On Bottom: 20:55 07/11	Time Off: 02:01 07/12 Time Off Bottom: 00:10	07/12
		Mud Proper	rties	

Mud Type: water

Weight: 9

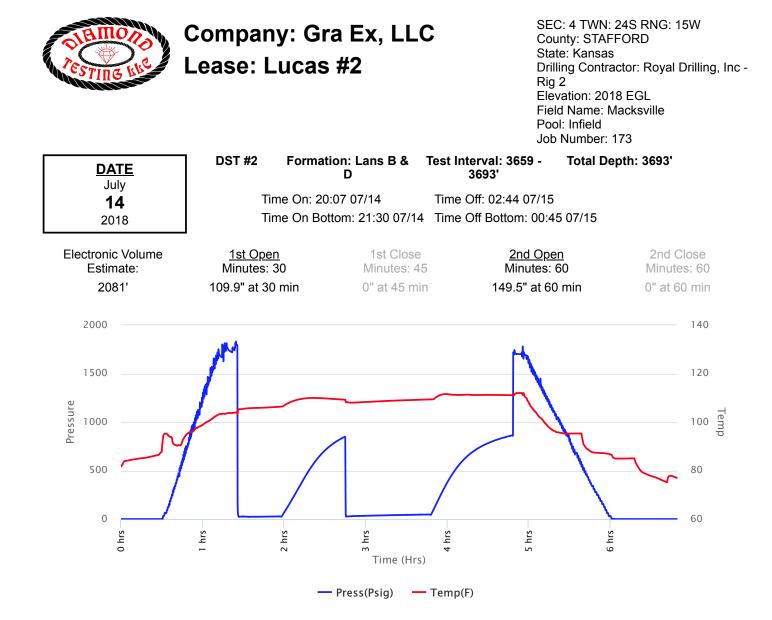
Viscosity: 29

Filtrate:

Chlorides: 175,000 ppm

ALBIMO/78 Pesting luc	Company: Lease: Lue	Gra Ex, LL cas #2	-C	County: State: K Drilling (Rig 2 Elevatio Field Na Pool: Inf	Contractor: Royal Drilling, Inc n: 2018 EGL ame: Macksville	-
DATE July	DST #1	Formation: Herrington	Test Interval: 1989 2054'	9- То	tal Depth: 2054'	
11 2018		Dn: 19:32 07/11 Dn Bottom: 20:55 07/′	Time Off: 02:01 0 11 Time Off Bottom:		/12	
	-	Gas Volume	Report			

	1st Op	ben		2nd Open				
Time	Orifice	PSI	MCF/D		Time	Orifice	PSI	MCF/D



	Company: _ease: Luc	Gra Ex, LL cas #2	С	Cour State Drilli Rig 2 Elev Field Pool		Royal Drilling, Inc -
DATE	DST #2 Fo	ormation: Lans B & D	Test Interv 369		Total Depth: 3	3693'
July		-	T 0"	-		
14		On: 20:07 07/14		02:44 07/15	07/45	
2018	Time C	On Bottom: 21:30 07/1	4 Time Off I	Bottom: 00:45	07/15	
Recovered						
Foot BBLS		ion of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	<u>Mud %</u>
2813 36.2877	,	G	100	0	0	0
73 0.9417		М	0	0	0	100
Total Recovered: 288 Total Barrels Recove		Reversed Out NO		Recovery	y at a glance	
Initial Hydrostatic Press	ure 1720	PSI				
Initial F	low 24 to 26	PSI	20			
Initial Closed in Press	ure 849	PSI	-			
Final Flow Press	ure 26 to 49	PSI				
Final Closed in Press	ure 864	PSI	0			
Final Hydrostatic Pressu	ure 1716	PSI	I		Recove	ery
Temperat	ure 112	°F		C		an a
Pressure Change In Close / Final Cl		%		Gas 97.47%	 Oil Wa 0% 0% 	ater H ud 5 2.53%



SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

DATE	
July	
14	
2018	
	July 14

DST #2 Formation: Lans B & D

Test Interval: 3659 -Total Depth: 3693'

Time On: 20:07 07/14 Time On Bottom: 21:30 07/14 Time Off Bottom: 00:45 07/15

Time Off: 02:44 07/15

3693'

REMARKS:

10. 2" Blow. BOB in 35 secs. 1C. NOBB 2O. 12" Blow BOB Instantly 2C. NOBB

Tool Sample: 100% M



SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

DATE	
July	
14	
2018	

DST #2 Formation: Lans B & Tes D

& Test Interval: 3659 -3693'

659 - Total Depth: 3693'

 Time On: 20:07 07/14
 Time Off: 02:44 07/15

 Time On Bottom: 21:30 07/14
 Time Off Bottom: 00:45 07/15

Down Hole Makeup

Heads Up:	8.72 FT	Packer 1:	3654 FT
-	3642.56 FT	Packer 2:	3659 FT
ID-3 1/2		Top Recorder:	3646 FT
Weight Pipe: ID-2 7/8	0 FT	Bottom Recorder:	3664 FT
Collars:	0 FT	Well Bore Size:	7 7/8
ID-2 1/4		Surface Choke:	1"
Test Tool: ID-3 1/2-FH	26.16 FT	Bottom Choke:	5/8"
	34		
Anchor	<u>Makeup</u>		
Packer Sub:	1 FT		
Perforations: (top): 4 1/2-FH	3 FT		
Change Over:	0 FT		
Drill Pipe: (in anchor): ID-3 1/2	0 FT		
Change Over:	0 FT		
Perforations: (below): 4 1/2-FH	30 FT		



SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

DATE July	DST #2	Formation: Lans B & D	Test Interval: 3659 - 3693'	Total Depth: 3693'		
14		Fime On: 20:07 07/14	Time Off: 02:44 07/15			
2018		Time On Bottom: 21:30 07/14	Time Off Bottom: 00:48	5 07/15		
Mud Properties						
		-				

Mud Type: Chem

Weight: 8.9

Viscosity: 53

Filtrate: 7.6

Chlorides: 6500 ppm

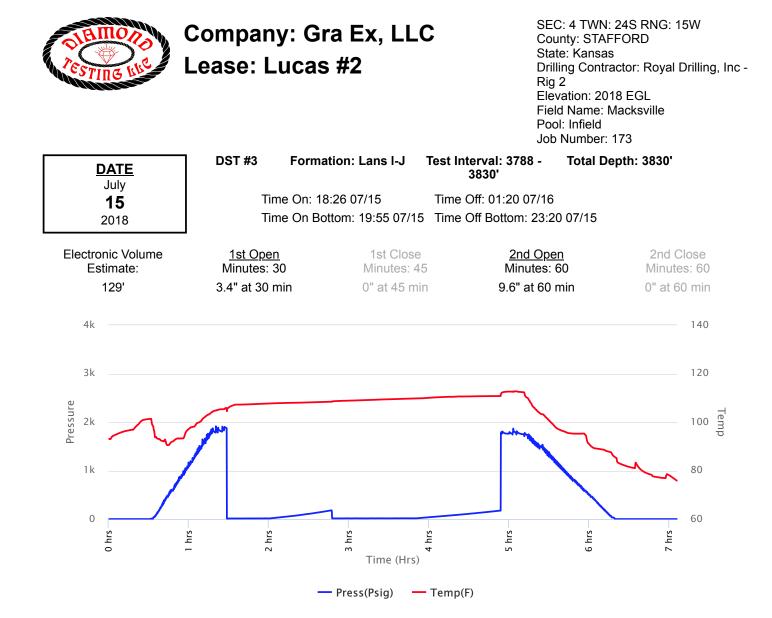
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I re	STING HUC

SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

DATE July	DST #2	Formation: Lans B & D	Test Interval: 3659 - 3693'	Total Depth: 3693'
14	Tin	ne On: 20:07 07/14	Time Off: 02:44 07/15	
2018	Tin	ne On Bottom: 21:30 07/14	Time Off Bottom: 00:45	07/15

Gas Volume Report

1st Open					2nd O	pen	
Time	Orifice	PSI	MCF/D	Time	Orifice	PSI	MCF/D



	Company: .ease: Luc	Gra Ex, LL as #2	C	Cou State Drilli Rig 3 Elev Field Pool		ORD or: Royal EGL cksville	15W Drilling, Inc -
DATE	DST #3 Fo	ormation: Lans I-J	Test Interv 383		Total Dept	th: 3830'	
July	Time (n: 18:26 07/15	Time Off	01:20 07/16			
15 2018		n Bottom: 19:55 07/1			07/15		
	Time e	11 Dottom: 10.00 0771		Dottom: 20.20	01/10		
Recovered							
Foot BBLS	<u>Descript</u>	ion of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water 9	<u>%</u> <u>N</u>	l <u>ud %</u>
227 2.9283		G	100	0	0		0
25 0.3225	SL	OCM	0	1	0		99
Total Recovered: 252 Total Barrels Recover		Reversed Out NO		Recovery	y at a glan	ce	
Initial Hydrostatic Pressu	ure 1804	PSI	2				
Initial Fl	ow 11 to 15	PSI	D D				
Initial Closed in Pressu	ıre 182	PSI					
Final Flow Pressu	ure 16 to 17	PSI					
Final Closed in Pressu	ire 176	PSI	0				
Final Hydrostatic Pressu	re 1809	PSI	-		Red	covery	
Temperatu		°F		•			• • • •
Pressure Change Ini Close / Final Clo		%		Gas 90.08%	• Oil 0.1%	Water 0%	Mud 9.82%



SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

DATE	
July	
15	
2018	

DST #3 Formation: Lans I-J

Test Interval: 3788 -3830'

788 - Total Depth: 3830'

 Time On: 18:26 07/15
 Time Off: 01:20 07/16

 Time On Bottom: 19:55 07/15
 Time Off Bottom: 23:20 07/15

REMARKS:

10. 1/4" Blow Built to 3 1/2 inches in 30 mins

- 1C. NOBB
- 2O. 4' Blow Built to 9 1/4 inches in 60 mins
- 2C. NOBB

Tool Sample: 3 % O 97% M



SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

DATE	D
July	
15	
2018	

ST #3 Formation: Lans I-J Test Interval: 3788 -3830'

Total Depth: 3830'

Time On: 18:26 07/15 Time Off: 01:20 07/16 Time On Bottom: 19:55 07/15 Time Off Bottom: 23:20 07/15

Down Hole Makeup

Heads Up:	6.2 FT	Packer 1:	3783 FT
•	3769.04 FT	Packer 2:	3788 FT
ID-3 1/2		Top Recorder:	3775 FT
Weight Pipe: ID-2 7/8	0 FT	Bottom Recorder:	3793 FT
Collars:	0 FT	Well Bore Size:	7 7/8
ID-2 1/4		Surface Choke:	1"
Test Tool:	26.16 FT	Bottom Choke:	5/8"
ID-3 1/2-FH			
Total Anchor:	42		
Anchor			
Packer Sub:	1 FT		
Perforations: (top): 4 1/2-FH	3 FT		
Change Over:	0 FT		
-			
Drill Pipe: (in anchor): ID-3 1/2	0 FT		
Change Over:	0 FT		
Perforations: (below): 4 1/2-FH	38 FT		



SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

DATE July	DST #3	Formation: Lans I-J	Test Interval: 3788 - 3830'	Total Depth: 3830'
15 2018		ime On: 18:26 07/15 ime On Bottom: 19:55 07/15	Time Off: 01:20 07/16 Time Off Bottom: 23:2	
		Mud Proper	rties	

Mud Type: Chem

Weight: 8.9

Viscosity: 50

Filtrate: 10.6

Chlorides: 12000 ppm

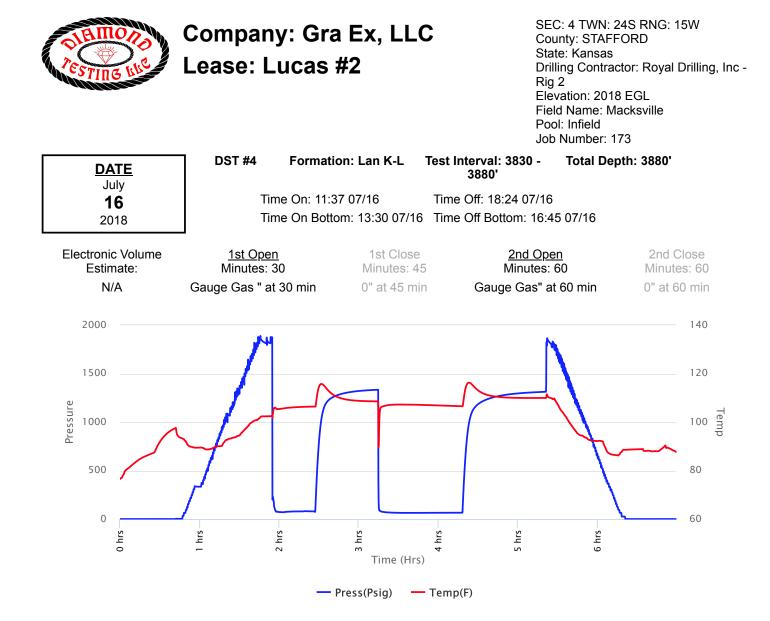
	AMO	
re	STING W	S.C.

SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

DATE July	DST #3	Formation: Lans I-J	Test Interval: 3788 - 3830'	Total Depth: 3830'
15 2018		ne On: 18:26 07/15 ne On Bottom: 19:55 07/15	Time Off: 01:20 07/16 Time Off Bottom: 23:20	07/15

Gas Volume Report

1st Open				2nd Open			
Time	Orifice	PSI	MCF/D	Time	Orifice	PSI	MCF/D



	ompany: (ease: Luca	-	C	Cou State Drilli Rig Elev Field Pool		Royal Drilling, Inc -
DATE	DST #4 For	rmation: Lan K-L	Test Interv 388		Total Depth: 3	880'
July	Time On	: 11:37 07/16	Time Off	18:24 07/16		
16					07/46	
2018	Time On	Bottom: 13:30 07/1	6 Time Oil	Bollom: 16.45	07/16	
Recovered						
Foot BBLS	<u>Descriptic</u>	n of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	<u>Mud %</u>
3738 48.2202	C	3	100	0	0	0
94 1.2126	Ν	Λ	0	0	0	100
Total Recovered: 3832 Total Barrels Recovered		Reversed Out NO	50	Recover	y at a glance	
Initial Hydrostatic Pressu	re 1815	PSI				
Initial Flo		PSI a	25			
Initial Closed in Pressu		PSI	٥			
Final Flow Pressu		PSI				
Final Closed in Pressu	re 1314	PSI	0			
Final Hydrostatic Pressur	e 1816	PSI	0		Recove	ry
Temperatu		°F				
Pressure Change Initi Close / Final Clos	al 1.5	%		Gas 97.55%	 Oil Wa 0% 0% 	



SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

DATE	
July	
16	
2018	

DST #4 Formation: Lan K-L Test Interval: 3830 -

Total Depth: 3880' 3880'

Time On: 11:37 07/16 Time Off: 18:24 07/16 Time On Bottom: 13:30 07/16 Time Off Bottom: 16:45 07/16

REMARKS:

10. WSB. BOB in 30 secs 1C. NOBB 2O. 12" Blow BOB instantly 2C. NOBB

Tool Sample: 100 % M



SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

DATE
July
16
2018

DST #4 Formation: Lan K-L

Test Interval: 3830 -

Total Depth: 3880' 3880'

Time On: 11:37 07/16 Time Off: 18:24 07/16 Time On Bottom: 13:30 07/16 Time Off Bottom: 16:45 07/16

Down Hole Makeup

Heads Up:	27.86 FT	Packer 1:	3825.11 FT
Drill Pipe:	3832.81 FT	Packer 2:	3830.11 FT
ID-3 1/2		Top Recorder:	3817.11 FT
Weight Pipe: ID-2 7/8	0 FT	Bottom Recorder:	3868 FT
Collars:	0 FT	Well Bore Size:	7 7/8
ID-2 1/4		Surface Choke:	1"
Test Tool : ID-3 1/2-FH	26.16 FT	Bottom Choke:	5/8"
Total Anchor:	49.89		
Anchor	<u>Makeup</u>		
Packer Sub:	1 FT		
Perforations: (top): 4 1/2-FH	3 FT		
Change Over:	1 FT		
Drill Pipe: (in anchor): ID-3 1/2	30.89 FT		
Change Over:	1 FT		
Perforations: (below): 4 1/2-FH	13 FT		

	AMO	
res	TING	

SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

DATE July	DST #4	Formation: Lan K-L	Test Interval: 3830 - 3880'	Total Depth: 3880'
16	Т	ime On: 11:37 07/16	Time Off: 18:24 07/16	
2018	Т	ime On Bottom: 13:30 07/16	Time Off Bottom: 16:4	5 07/16
		Mud Prope	rties	

Mud Type: Chem

Weight: 8.9

Viscosity: 54

Filtrate: 9.2

Chlorides: 10000 ppm



SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

<u>DATE</u> July	
16	
2018	

DST #4	Formation: Lan K-L	- Test Interval: 3830 3880'	Total Depth: 3880'
Tim	e On: 11:37 07/16	Time Off: 18:24 07/16	

Time On Bottom: 13:30 07/16 Time Off Bottom: 16:45 07/16

Gas Volume Report

Remarks: Gas to Surface in 4 mins Caught gas sample 15 mins into first opening.

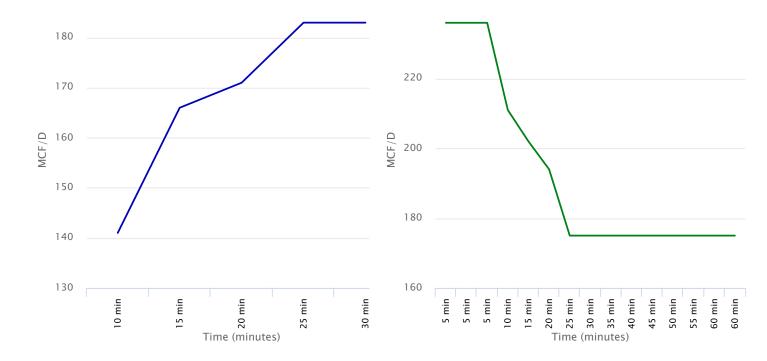
	1st O	pen			2nd C)pen	
Time	Orifice	PSI	MCF/D	Time	Orifice	PSI	MCF/D
10	0.50	14	141	5	0.75	8.5	236
15	0.50	18	166	5	0.75	8.5	236
20	0.50	19	171	5	0.75	8.5	236
25	0.50	21	183	10	0.75	7.0	211
30	0.50	21	183	15	0.75	6.5	202
				20	0.75	6.0	194
				25	0.75	5.0	175
				30	0.75	5.0	175
				35	0.75	5.0	175
				40	0.75	5.0	175
				45	0.75	5.0	175
				50	0.75	5.0	175
				55	0.75	5.0	175
				60	0.75	5.0	175

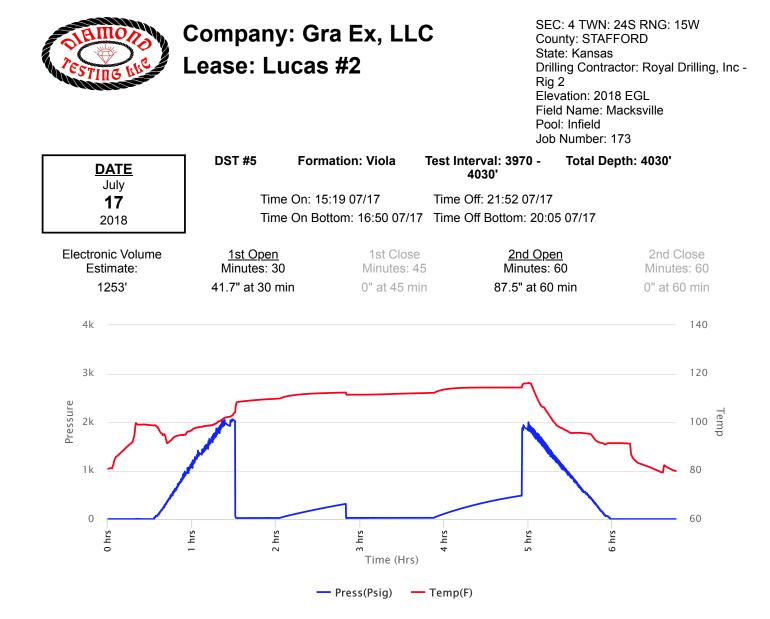
60

0.75

5.0

175





Company: Gra Ex, LLC Lease: Lucas #2					: 4 TWN: 24S F nty: STAFFORI e: Kansas ng Contractor: 2 ation: 2018 EG I Name: Macks : Infield Number: 173	D Royal Drilling, Inc - L
DATE July	DST #5	Formation: Viola	Test Interv 403		Total Depth:	4030'
17	Time (On: 15:19 07/17	Time Off:	21:52 07/17		
2018	Time (On Bottom: 16:50 07/	17 Time Off	Bottom: 20:05	07/17	
Recovered						
Foot BBLS	Descrip	tion of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	Mud %
1666 21.4914		G	100	0	0	0
35 0.4515		M	0	0	0	100
Total Recovered: 170 Total Barrels Recove		Reversed Out NO	20	Recovery	/ at a glance	
Initial Hydrostatic Press	sure 1921	PSI				
Initial F		PSI	 8910			
Initial Closed in Press	ure 313	PSI	10			
Final Flow Press	sure 19 to 27	PSI				
Final Closed in Press	ure 485	PSI	0			
Final Hydrostatic Press	ure 1923	PSI			Recov	ery
Temperat Pressure Change In		°F %		Gas 97.94%	 Oil Wi 0% 09 	ater Mud 6 2.06%
Close / Final Cl		70				



SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

Total Depth: 4030'

DATE July	
17 2018	

DST #5

Formation: Viola

Test Interval: 3970 -4030'

Time On: 15:19 07/17 Time On Bottom: 16:50 07/17 Time Off Bottom: 20:05 07/17

Time Off: 21:52 07/17

REMARKS:

10. 1" Blow. BOB in 3 mins 1C. NOBB 2O. 12" Blow BOB instantly 2C. NOBB

Tool Sample: 100 % M



SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

DATE July	DST #5	Formation: Viola	Test Interval: 3970 - 4030'	Total Depth: 4030'
17	Tim	ne On: 15:19 07/17	Time Off: 21:52 07/17	
2018	Tim	e On Bottom: 16:50 07/17	Time Off Bottom: 20:05	5 07/17
L	I			

Down Hole Makeup

Heads Up:	14.77 FT	Packer 1:	3964.79 FT
Drill Pipe:	3959.4 FT	Packer 2:	3969.79 FT
ID-3 1/2		Top Recorder:	3956.79 FT
Weight Pipe: ID-2 7/8	0 FT	Bottom Recorder:	4008 FT
Collars:	0 FT	Well Bore Size:	7 7/8
ID-2 1/4	•••	Surface Choke:	1"
Test Tool: ID-3 1/2-FH	26.16 FT	Bottom Choke:	5/8"
Total Anchor:	60.21		
Anchor	<u>Makeup</u>		
Packer Sub:	1 FT		
Perforations: (top): 4 1/2-FH	3 FT		
Change Over:	.5 FT		
Drill Pipe: (in anchor): ID-3 1/2	31.71 FT		
Change Over:	1 FT		
Perforations: (below): 4 1/2-FH	23 FT		



SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

DATE July	DST #5	Formation: Viola	Test Interval: 3970 - 4030'	Total Depth: 4030'
17	Tin	ne On: 15:19 07/17	Time Off: 21:52 07/17	
2018	Tin	ne On Bottom: 16:50 07/17	Time Off Bottom: 20:08	5 07/17
		Mud Prope	rties	
Mud Type: Chem	Weight: 8.8	Viscosity: 48	Filtrate: 12	Chlorides: 14000 ppm



SEC: 4 TWN: 24S RNG: 15W County: STAFFORD State: Kansas Drilling Contractor: Royal Drilling, Inc -Rig 2 Elevation: 2018 EGL Field Name: Macksville Pool: Infield Job Number: 173

DATE July	DST #5	Formation: Viola	Test Interval: 3970 - 4030'	Total Depth: 4030'
17 2018		ie On: 15:19 07/17 ie On Bottom: 16:50 07/17	Time Off: 21:52 07/17 Time Off Bottom: 20:05	07/17

Gas Volume Report

1st Open			2nd Open				
Time	Orifice	PSI	MCF/D	Time	Orifice	PSI	MCF/D

<u>1</u> л \N/	; #1 (15-185-23370)	oky Oil Mgmt, Lucas	for Structure: Sir	Comparison Well Used for Structure: Siroky Oil Mgmt, Lucas #1 (15-185-23370)
	+9'	-2066'	4090'	Arbuckle
	+8'	-2022'	4046'	Simpson
	-18'	-1968'	3992'	Viola
	-4	-1858'	3882'	Base/Kansas City
S	φ	-1806'	3830'	Stark
4	-4	-1614'	3638'	Lansing
1	μ	-1606'	3630'	Brown Lime
*	-4	-1472'	3496'	Heebner
	+9'	1058'	966'	Base/Anhydrite
*	+ <u>5</u>	1080'	944'	Anhydrite
and the second se	STRUCTURE	SUBSEA	DEPTH	FORMATION
• SONIC	RISON	FORMATION TOPS & STRUCTURAL COMPARISON	ION TOPS & STF	FORMAT
 MICRO 	(S.)	CHEMICAL DRISPAC (ANDY'S)	HEMICAL DF	TYPE MUD CH
CNL/CDL			75'	MUD UP 2975'
ELECTRICAL SURVEYS		2054' TO	ION FROM_	GEO SUPERVISION FROM_
	TO_RTD	2200'	IINED FRON	SAMPLES EXAMINED FROM
5.5" @ 4135'	TO RTD	700'	E KEPT FROI	DRILLING TIME KEPT FROM
PRODUCTION	RTD	600' TO_	D FROM 2	SAMPLES SAVED FROM 2600'
8.625" @ 257'		LTD 4146'		RTD 4150'
SURFACE	7/18/2018	COMP 7/18		SPUD 7/9/2018
NA	1	rilling, Rig #1	Royal Drilling,	CONTRACTOR_
CONDUCTOR	KANSAS		STAFFORD STATE	COUNTY STA
	15W	24S	TWP. 2	SEC. 4
- CASING RECORD			E2 NW NE	LOCATION E
GL 2018'			SVILLE	FIELD MACKSVILLE
KB 2024'			; #2	LEASE Lucas #2
_ ELEVATION		LLC	GRA EX, LLC	OPERATOR
GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG 15-185-24018	DRILLING TIME AI 15-185-24018	EPORT DRILI 15-185	DLOGIST'S R	GEC
DLOGISTS	CONSULTING PETROLEUM GEOLOGISTS	FING PETRO	CONSUL	
EFFREY A. BURK & ELI J. FELTS	.K & EL	A. BUR	FREY	JEF

Due to the positive results of DST #4 (Lansing "K & L" zones), it was decided by all parties REMARKS___

to run casing on this well to further evaluate gas production.

15 W

Respectfully Submitted,

Eli J. Felta

