KOLAR Document ID: 1358630

Confiden	tiality Requ	ested:
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 -	D	ESCRIPTION	V OF W	ELL &	LEASE

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.xxxx) (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:
Gas DH EOR	Total Vertical Depth: Plug Back Total Depth:
	Amount of Surface Pipe Set and Cemented at: Feet
Coal Bed Methane)	Multiple Stage Cementing Collar Used? Yes No
Cathodic Other (Core, Expl., etc.):	
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to EOR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Liner Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	
 GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Recompletion Date	County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY					
Confidentiality Requested					
Date:					
Confidential Release Date:					
Wireline Log Received Drill Stem Tests Received					
Geologist Report / Mud Logs Received					
UIC Distribution					
ALT I II III Approved by: Date:					

KOLAR Document ID: 1358630

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 Yes No (Attach Additional Sheets)				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 Top Bottom	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	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:		PRODUCTIC Top	DN INTERVAL: Bottom
Vented Sold Used on Lease Open Ho (If vented, Submit ACO-18.)		Open Hole Perf.		Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4)		Bollom			
Shots Per Perforation Perforation Bridge Plug Foot Top Bottom Type		Bridge Plug Type	Bridge Plug Acid, Fracture, Shot, Cementing Squ Set At (Amount and Kind of Material						
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Edison Operating Company LLC
Well Name	DOHRMAN 1-26
Doc ID	1358630

All Electric Logs Run

Dual Induction
CDNL
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Edison Operating Company LLC
Well Name	DOHRMAN 1-26
Doc ID	1358630

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3163-3167	750 gals 7.5% MA	
4	3181-3184	750 gals 7.5% MA	
4	3206-3210	1500 gals 15% HCL MA	
4	3226-3230	750 gals 7.5% HCL MA	

Form	ACO1 - Well Completion
Operator	Edison Operating Company LLC
Well Name	DOHRMAN 1-26
Doc ID	1358630

Casing

	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	24	388	3% cc 1/4 cell fla	250	60/40 Poz
Production	7.875	5.5	15.5	3289	AA-2	175	n/a



KS US 67226 T O ATTN: DAVID WITHROW

BAS ENERGY SER	IC: NICES		age of 1	CUST NO 1007020 INVOI	YARD # 1718 CE NUMBER	INVOICE DATE 06/01/2017
				92	2437039	
Pratt B EDISON OPERAT	(620) 672-1201	O J B	LEASE LOCATI	ON	Dohrman 1-	26
I 8100 E 22ND S L WICHITA KS US 6722	ST N	S g I T	COUNTY STATE JOB DE JOB CO	F SCRIPTION	Rice KS Cement-New W	ell Casing/Pi
o ATTN:	DAVID WITHROW					

JOB #	EQUIPMENT #	PURCHASE	ORDER NO.		TERMS	DUE DATE
41028865	27463				Net - 30 days	07/01/2017
For Service Date	es: 05/26/2017 to	05/26/2017	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
0041028865						
171814969A Cer Cement 8 5/8 Su	ment-New Well Casing/ Irface	Pi 05/26/2017				
Heavy Equipment 806"Propp & Bu Blending & Miving	g (PU, cars one way)" Mileage Ilk Del. Chrg per ton n Service Charge	SUNE CSON SUNE CSON B b -13 A	250.00 645.00 63.00 1.00 75.00 150.00 1.00 1.00 1.00 1.00	EA EA MI MI EA BAG EA EA	6.60 0.58 2.03 88.00 2.47 4.13 1,108.60 0.77 137.50 550.00 96.25	372.4 128.2 88.0 185.6 618.7 1,108.6 192.5 137.5 550.0
PLEASE REMIT BASIC ENERGY		ND OTHER CORRESP SIC ENERGY SERVI):	SUB TOTAL	5,127.91
PO BOX 841903 DALLAS,TX 752		1 CHERRY ST, STE RT WORTH, TX 761		INV	TAX DICE TOTAL	0.00 5,127.91

EN	ERGY JRE PUMI	SERVICES P.O. Prat PING & WIRELINE 2	ne 620-6	13 as 67124 672-1201	HMR=	42	FIELD SERVICE TICKET 1718 14969 A DATE TICKET NO
DATE OF 5/24/	2017		1/05				PROD INJ WDW CUSTOMER ORDER NO.:
CUSTOMER Ed.	sun	ODECSING	Com	OSAL	LEASE Do	brn	WELL NO. / -2 4
ADDRESS		P			COUNTY R	lite	STATE JCS
CITY	X	STATE			SERVICE CR	ew D	Sila, McGraw, Cole
AUTHORIZED BY					JOB TYPE:	24	2/85/& Surface
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQL	JIPMENT#	HRS	TRUCK CALLED
27463 ×	1/2						ARRIVED AT JOB 5/2 PM 9:00
19718 X	1/2						START OPERATION 5/26 PM 7:00
	-						FINISH OPERATION 5/26 PM 7.20
						_	RELEASED 11, 88 8.00
							MILES FROM STATION TO WELL 75

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE		\$ AMOUN	r
CP103	60/40 802	SK	250-			3.000	00
66109	Calcium Chlorit	1-5	645-	-		677	25
6.6102	Cenoficia	Kb	63 -	-	1	233	10
CF153	Wooten Cement Plus 8 5/2"	Fa	1 -	/		160	00
FICO	Unit Milesse Charse - Pickers Stisu Ca	m	75	1		337	50
FIOL	Heavy Equipment Milesse	m	150	1		1,125	00
E113	Proposat and Bulk Peliver Che Per al	Jole	806	1		2,015	63
CE200	Depth Charsel 0-5001	4hr)	t		1,000	00
CE 240	Blencins & minne Service Charse	SIC	250	1		350	20
5003	Service Supervise, first 8 his ontos,	ES	1)•/		175	00
CESCH	Plus Convisiner Ut 1,291 con Cherse	JCh	1	14		250	a
		_					-
					_		
				SUB TOT	TAL	9322	48
CHE	MICAL / ACID DATA:					1000	
	SERVICE & EQUIP	MENT		X ON \$			
	MATERIALS			X ON \$		~~~	
			Pisc	OUN +> TOT	TAL	5,127	9,
					Tin		
-				0	w	V	
SERVICE REPRESENTATIV	THE ABOVE MATERIAL AND SER ORDERED BY CUSTOMER AND R			-lak	R	6	
FIELD SERVICE (DRDER NO.	(WELL O	WNER OPERAT	OR CONTRACTOR	NOR	AGENT)	



a.

10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

FIELD SERVICE TICKET

FhLoo		83 -	100		DATE TICKET NO			-		
DATE OF JOB DISTRICT					NEW OLD PROD INJ WDW CUSTOMER WELL WELL					
CUSTOMER				LEASE DOM MELL NO.						
ADDRESS					COUNTY	210	STATE	< 5		
CITY STATE					SERVICE CREW Strang McGray, Cole					
AUTHORIZED BY					JOB TYPE	24	18548 50115	e.		
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQU	JIPMENT#	HRS	TRUCK CALLED	DATE	AM PM	TIME
27463 X	12						ARRIVED AT JOB	5/2		5.04
14718 X	14	the states and	_				START OPERATION	2/22	AM PM	7:00
	14-24		10000	In Contraction	and the second	12.4.1.2.4	FINISH OPERATION	1.1	AM PM	7.2
							RELEASED	1. 1	AM	8 00
							MILES FROM STATION TO V	NELL	75	

HMR=

5

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

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SIGNED:

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
62103	60/100 802	50	250-		13,000 04
66109	Call Children	45	645-		677 25
66102	Centlyne	+3	63 -		23310
61133	Weater Comers Plus 8 Sta	1Eg	1 -		160 00
File	Un a multise Course P. Co. Syp.	CEL M	75	1	337 50
FIGU	Hesur Fau ameri Mirase	m	150	for the second second	1,125 00
T 113	RIGDDER ADE BOIK Religenche P.	in las	806	1	2,01563
61200	Depro Cosise Q-SOU	4 mg	B	1	1,000 00
61 140	Birne and mine Septer Chevre	Sic	250		350 00
5003	Service Sugar Alice Space	100 F.S.	1	K	175 00
CP SUM	HUS CONTE DE CONTE EN CH	the Pack	and the second	Anter Friday and State	250 00
			the first of the	and the second second	The dame of the
2. 1 I. 2. 1 I. 1 I. 1 I. 1 I. 1 I. 1 I.					
	A line was the second	Jerse March	计设计设计		1
a de la companya de l	A No Contraction of the Contract				
11 J 2 1	Clark God By			Strand Strange	
\$ <u>0</u>	p by				
	and the second second second	a series and			
CHE	EMICAL / ACID DATA:			SUB TOTAL	93.23 48
	SERVICE &	EQUIPMENT	%TA>	ON\$	San Ar
10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	MATERIALS	124 F 3		KON\$	
200		No.	Piszi	TOTAL	5.127 8,
SERVICE			× 1	9. p	-U -

ORDERED BY CUSTOMER AND RECEIVED BY:

FIELD SERVICE ORDER NO.

REPRESENTATIVE

CLOUD LITHO - Abiene, TX

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



TREATMENT REPORT

Customer	Opers	stins c	CAPSAN	Lease No.				Date	6101	112.00
Lease De	himsi			Well # /	-26				144	12017
Field Order	Station	Pre	Ftile	5	Casing	85/2 Dept	n 38 S	County	-ice	State Ks
Type Job	2421	(a) (b) (b) (b) (b) (b) (b) (b) (b) (b) (b	8 50			Formation	TD-	388	Legal D	escription 26 - 185
PIP	E DATA	PEF	FORATIN	IG DATA	FLUI	D USED			ATMENT	RESUME
Casing Size	Tubing Siz	e Shots	/Ft		Acid			RATE PR	ESS	ISIP
Depth 388	Depth	From	т)	Pre Pad		Max			5 Min.
Volume74	Volume	From	То		Pad		Min			10 Min.
Max Press	Max Press	From	тс)	Frac		Avg			15 Min.
Well Connection	on Annulus Ve	ol. From	Тс)			HHP Use	d		Annulus Pressure
Plug Depth	Packer De	pth From	Тс)	Flush Fre	Charles	Gas Volu	me		Total Load
Customer Rep	presentative	Ricu	Page	Station	A A A A A A A A A A A A A A A A A A A	UStine h	CURINS	Treater	DSAL	n Franklin
Service Units	92511	27463	19889	1951						
Driver Names	Decia	maga	Cole	Core				-		
2 - Time	Casing Pressure	Tubing Pressure	Bbls. Pi		Rate			Ser	vice Log	
9:000						onl	-000	ical	Ssle	in presens
	-1.594.0					2505	10 60	0/407	102, 3	º1000; 2010.60
	3 8					. 250	ps ce	10/10/10	,14,81	PAS, J. 21 Yeild SI
5/26						/		-		
7:00pm	300			3	5	Pump.	3 641	SWSID	~	
6	300		5	1	5	mir	2505	1 Ceme	2 A G	*
	300		2	3	5	DISP	1647	3 6 /15	WG+-	4
7:30 Am						Shu	r i'h		0	
			1					<	3. 6 -	1. 1. 1. 1. A.
			<u> </u>			Cem	ent	ALS CIT	cicie.	- Jubbis
						_	5	1		10
2	Some -		1				00	T)		1D Gin & Crew
	- Canal State							1 150	rto	11/10
	No.2017							<i>27</i>		
	3									
2	-									
8										
				-						
						_				

Taylor Printing, Inc. 620-672-3656



BAS ENERGY S	BIC				20	yard # 1718 NUMBER 3162	INVOICE DATE 06/01/2017
I 8100 E 22N L L WICHITA	ATING COMPANY I	S I T E	LEASE NAMI LOCATION COUNTY STATE JOB DESCRI JOB CONTAC	IPTION	Dohrm Rice KS Cemen		26 ell Casing/Pi
JOB # 41029149	EQUIPMENT # 27463	PURCHASE	ORDER NO.			RMS 30 days	DUE DATE
For Service Date	s: 05/31/2017 to	05/31/2017	QTY	U of M	UNIT	PRICE	INVOICE AMOUNT

			· · · · · · · · · · · · · · · · · · ·	
	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 05/31/2017 to 05/31/2017				
0041029149				
171814970A Cement-New Well Casing/Pi 05/31/2017 Cement 5 1/2" Longstring				
AA2 Cement	175.00	EA	9.35	1,636.2
60/40 POZ	50.00	EA	6.60	330.0
Gilsonite	875.00	EA	0.37	322.4
Celloflake	48.00	EA	2.04	97.6
C-41P	42.00	EA	2.20	92.4
FLA-322	83.00	EA	4.12	342.3
Mud Flush	500.00	EA	0.83	412.5
Claymax KCL Substitute	8.00	EA	19.25	154.0
"Auto Fill Float Shoe 5 1/2""(Red)"	1.00	EA	371.25	371.
"Latch Down Plug & Baffle, 5 1/2"" (Blu	1.00	EA	220.00	220.0
"5 1/2"" Basket (Blue)"	1.00	EA	159.50	159.
"Turbolizer, 5 1/2"" (Blue)"	10.00	EA	60.50	605.0
"Unit Mileage Chg (PU, cars one way)"	75.00	MI	2.47	185.
Heavy Equipment Mileage	150.00	MI	4.13	618.
776"Propp & Bulk Del. Chrg per ton mil	1.00	EA	1,067.35	1,067.3
Blending & Mixing Service Charge	225.00	BAG	0.77	173.
Plug Container Util. Chg.	1.00	EA	137,50	137.
Depth Charge; 3001-4000'	1.00	EA	1,188.00	1,188.0
"Service Supervisor, first 8 hrs on loc.	1.00	EA	96.25	96.2
6 2				
CENER US			0	
00. 62/13				
	P			
Depth Charge; 3001-4000' "Service Supervisor, first 8 hrs on loc. CEMENT 4245 612 0245				
PLEASE REMIT TO: SEND OTHER CORRESP	PONDENCE TO):		
ASIC ENERGY SERVICES, LP BASIC ENERGY SERVI			SUB TOTAL	8,210.1
HALL ENERGI DERVICED, DF DAAIL BNERGT SERV	ICES, LP			
PO BOX 841903 BALLAS,TX 75284-1903 BALLAS,TX 75284-1903 BALLAS,TX 75284-1903 BALLAS,TX 75284-1903 BASIC ENERGY SERVICES, LP BASIC ENERGY SERVICES, L	'		TAX	0.0

FIELD SERVICE TICKET 10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201 26-185-100 DATE TICKET NO. DATE TICKET NO. DATE OF CLUSTOMER											
DATE OF 5/31/	DATE OF 5/31/2017 DISTRICT Provinces NEW WELL PROD INJ WOW CUSTOMER ORDER NO.:										
CUSTOMER E	SON	Operating Co.	mDa	W	LEASE Dohrmon WELL NO. 1-2						
ADDRESS		1 7	1	/	COUNTY P	l'Ca	STATE KS				
CITY		STATE			SERVICE CREW DSrin, M. McGrov, Cole						
AUTHORIZED BY					JOB TYPE:	243	1 51/2 Longsdring				
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQU	JIPMENT#	HRS	TRUCK CALLED				
27463 X	3/4 1/2						ARRIVED AT JOB 5/31 AM 11 30				
13168	12						START OPERATION 5/3/ MZ: 45				
							FINISH OPERATION 5/31 👹 3. 30				
							RELEASED 5/31 24:30				
							MILES FROM STATION TO WELL				

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered). The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall subscene a part of this contract without the written consent of an officer of Basic Energy Services LP. 0 SIGNED:

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVIC	ES USED	UNIT	QUANTITY	UNIT PRICE		\$ AMOUN	т
CP105	AP2 Cement		SK	175	/ · · · ·		2,975	00
CP103	60/40 202		SK	50 /	e .		600	00
CC 201	Gilsonie		Lb	875-			5.2	25
CC 102	Cellofigke		Lb	481			177	60
CCIOS	C - 4 P		16	421	-		168	20
CC 129	FLA-372		25	83-			622	50
CF1201	Auto Fill Flogs Shoe 51/2" (Blue)	Eg	1 ,			675	00
CF607	Larch Down Plug & Balt	1e, 51/2 (Blue)	Eg	1 -			400	00
CF1901	512"Basker Blue		Fq	1 -			280	00
CF1651	Turbolizer, 51/2 (Blue)		Es	10 -			1,100	00
(C151	Mud Flush		GSI	500-			750	OQ
C.704	Cleymex KCL Substitute		651	8 -			280	00
Elco	Unit milesse Charse - Pickups,	SMSII USIS ACCIS	わざ	75	*		337	50
EJ01	Herve Equipment Milesse		7	150			1,125	00
E113	PIOPPEN+ Sno BUIK Delivery C	hsise prikan	Jula	776			1,540	63
CE 204	Depth Cherse 3.001'- 4,00		this		1	_	2,160	00
CF240	Blending & humas Service Ch.	sese	SK	225	*		315	0
5003	Service Supervisor, First Shi	s on loc	Fg				175	
CESOY	MUS CUNTE Ner Utilizes En 1	Charse	Jep	1			250	
					SUB TOT	AL		
СНЕ	EMICAL / ACID DATA:						14,927	48
		SERVICE & EQUIPM	IENT		X ON \$			
		MATERIALS			X ON \$		2	
				Park	contest TOT.	AL	8,210	11
	1					SI	1	
		S			- 0	~	ω.	
SERVICE	1 THE ABOVE	MATERIAL AND SERVI	ICE	KL	An		· · · · ·	
REPRESENTATIV	E Meren Jucan ORDERED B	Y CUSTOMER AND RE			DULLE	/		
FIELD SERVICE	DRDER NO.	(WELL O	WNER OPERAT	OR CONTRACTOR	OR	AGENT)	

M 10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201

ENERGY

SERVICES

FIELD SERVICE TICKET

1718 **14970** A

PRESS		IPING & WIRELINE	-1	85-1	1000	1	DATE TICKET NO.	<u></u>	1.1.1
DATE OF JOB									TOMER DER NO.:
CUSTOMER EN;	Operating CO.	LEASE D	obil	nsa ili		WELL NO.			
ADDRESS						e.	STATE	KS	1999 A.
CITY	STATE		SERVICE CREW DECK DA MCGLES, COLC						
AUTHORIZED BY					JOB TYPE:	24	4 5% Luns	511 0	6
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQL	JIPMENT#	HRS	TRUCK CALLED	DATE	AM TIME
27465	3/4			-		24	ARRIVED AT JOB	5/81	AM Jo
73765	12	the bird and the	- Edit	and the	dial and the set	1 pt	START OPERATION	5/31	AM Z 45
	1.1.1						FINISH OPERATION	5/31	AM 3 36
							RELEASED	2131	AM 4 36
							MILES FROM STATION TO	O WELL	19

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

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(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

		1						
ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE		\$ AMOUN	т	
CP105	PP2 Cener	SK	175	Kr. St. St.		2.975	00	
CP103	60140 POZ	5k	50%			600	00	
6201	6 Same	Lb	8751			584	25	
EC 102	Cenalisme	63	481		6.0	177	60	
65105	CHIP	1.6	421			16.8	00	
CC 129	51A-322	66	83-		-	622	50	
CJ 1201	Autof Those Shoe 512 (Blue)	Eg	1			675	00	
CF607	LEICH Down Plug & Bg (Kie, 5% (Blue)	Es	1 -		1	. 400	00	
CF1901	512 Basker Bluet	15	1 -	1 to the second		290	00	
CF1651	Turney and, Sta (Bloc)	Es	10 -			1100	00	
CC151	Myo Thism	ムら注	500		-	750	00	
C 104	Cleymer F.C. Substine	Gyl	8 -			280	00	
E100	Unis milesse Cherse - Pickeds, Sussi versie	n	-75	and store and		337	50	
FIOL	Hose Fourment Milesse	19.	150	1		1.125	00	
F 113	Propping - Sno Boild Deling witchseep Barna	Inta	776		12	1.940	63	
CE 204	Prein Cheisei 3001 (4.000	kenis.	1 Bar	Start-Start		2.110	00	
C#240	Blending & Minghe Squee Cherson	SKY	225			315	0	
5003	Struck Suprivis Filling Shiped Scent	Fq.	- America			175	-	
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CHE	MICAL / ACID DATA:	igthe -		et.	2.7	14,927	4	
the talk to	SERVICE & EQUIPM	IENT	%TA	KON\$				
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SERVICE	THE ABOVE MATERIAL AND SERV	ICE	1 at	VH V				
REPRESENTATIVE ORDERED BY CUSTOMER AND RECEIVED BY:								

ORDERE

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



TREATMENT REPORT

Customer	Cison Operstine Company			se No.							Date 5/31/2017								
	hrman		w. i.p.		Wel	#/~	26					\bigcirc	13	1/2017					
Field Order #		Pro	582,	JC.	1			Casing 2	51/2	Depth	3293	County	R,	1e		tate /C s			
Type Job 2		51/2	- 01 - C	n951	Hir	29				mation	329	6		Legal De	scription 26	-185-1			
PIPE	E DATA	P	PERFO	ORATIN	NG D	ATA		FLUID	USED			TREATMENT RESUME							
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^{olume} 78, 3	Volume	Fr	om	т	То		Pad				Min				10 Min.				
lax Press	Max Press	From Io		Го		Frac			Avg				15 Min.						
ell Connectio	on Annulus V	Fr	om	т	Го						HHP Used				Annulus Pres	sure			
lug Depth	Packer De	epth Fr	om	Т	Го		Flus	h 2ºlok	CLh	19 ter	Gas Volur				Total Load				
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)river lames	Darin	MCG Tubi		Cubb	(066													
Time				Bbls. F	Pumpe	d		Rate					Servi	ce Log					
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10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

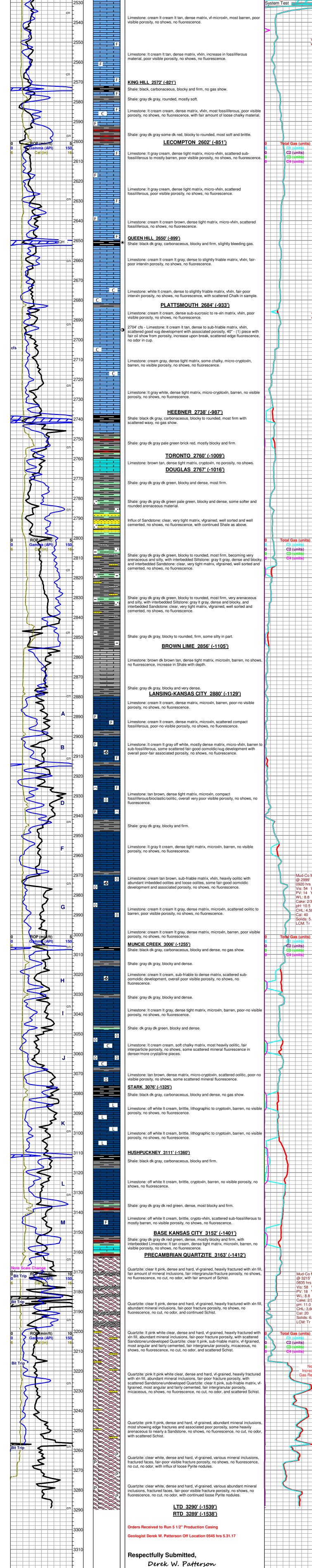
Taylor Printing, Inc. 620-672-3656

		N OPERATIN	G COMPANY	LLC		
	Sc	cale 1:240 Impe	rial			
Well Name	e: Dohrman #1-	-26				
Surface Location Bottom Location	ו:					
AP License Numbe		0-0000				
Spud Date Regior	e: 5/25/2017		Tir	ne: 8:30 F	M	
Drilling Completed	d: 5/30/2017		Tir	ne: 9:25 F	M	
Surface Coordinates Bottom Hole Coordinates	s:					
Ground Elevation K.B. Elevation						
Logged Interva Total Deptl				To: 3289.0	DOft	
Formation	n: Precambrian	Quartzite esh Water Gel				
Drilling Fluid Type		esn water Ger				
Company	v: Edison Opera	OPERATOR ating Company	ПС			
Address	s: 8100 E. 22nd	St. North				
	Building 1900 Wichita, KS	67226				
Contact Geologis Contact Phone Nb						
Well Name Location						
AP	l: 15-159-2284		F.			
Poo State			Coun	eld: Orth try: USA		
		LOGGED BY				
		ISON OPERATING C	OMPANY _{LLC}			
Company Address		ating Company	LLC			
Address	Building 1900	C				
Phone Nb	Wichita, KS r: 316.655.3550					
Logged By	y: Geologist		Nar	ne: Derek	W. Patterson	
Respectfully Submitted, Derek W. Patterson						
	GENE	ERAL INFORM	ATION			
Derek W. Patterson	S	ERAL INFORM				
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier	S d Drilling - Rig #3				: Mud-Co/Servi : Rick Hughes	ce Mud Inc.
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier Daylight Driller: Darrel Yo	S d Drilling - Rig #3					ce Mud Inc.
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier	S d Drilling - Rig #3 tt		es	Engineer ing Company	: Rick Hughes : Eli Wireline	
Derek W. Patterson Drilling Contractor: Southwine Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem	S d Drilling - Rig #3 tt npson Environmental		es	Engineer ing Company Engineer	: Rick Hughes	
Derek W. Patterson Drilling Contractor: Southwine Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258	S d Drilling - Rig #3 tt npson Environmental		es Logg	Engineer ing Company Engineer	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mic	
Derek W. Patterson Drilling Contractor: Southwine Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea	S d Drilling - Rig #3 tt npson Environmental		es Logg	Engineer ing Company Engineer Logs Ran	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mic : No DSTs	
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258 Operational By: 1400'	S d Drilling - Rig #3 tt npson Environmental wis		es Logg Test	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mic : No DSTs : n/a e Strap	cro, Sonic
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258 Operational By: 1400'	S d Drilling - Rig #3 tt npson Environmental		es Logg	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mic : No DSTs : n/a e Strap	
Derek W. Patterson Drilling Contractor: Southwine Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258 Operational By: 1400' Deviation Survey Depth 3289' - RTD	Survey	Bit Record	es Logg Test	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe oth	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mid : No DSTs : n/a e Strap Strap Pipe n/a	cro, Sonic Strap
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258 Operational By: 1400' Deviation Survey Depth 3289' - RTD Bit # Size Make 1 12 1/4"	Survey 1° Survey 1°	Bit Record Serial Number Surface	Es Logg Test De Depth In 0'	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe oth Depth Out 388'	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mid : No DSTs : n/a e Strap Pipe	cro, Sonic Strap Hours 6.25
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258 Operational By: 1400' Deviation Survey Depth 3289' - RTD Bit # Size Make	Survey 1° Survey 1°	Bit Record	es Logg Test De	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe oth	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mid : No DSTs : n/a e Strap Strap Pipe n/a Feet	cro, Sonic Strap Hours
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258 Operational By: 1400' Deviation Survey Depth 3289' - RTD Bit # Size Make 1 12 1/4" Reed 2 7 7/8" Reed 3 7 7/8" Reed 3 7 7/8" JZ 4 7 7/8" Reed	d Drilling - Rig #3 tt npson Environmental wis Survey 1° Survey 1° RT R-24 HA20Q R-24	Bit Record Serial Number Surface D236948 RR D213166	es Logg Test Depth In 0' 388' 3172' 3185'	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe oth Depth Out 388' 3172' 3185' 3215'	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mid : No DSTs : n/a • Strap Pipe n/a Feet 388' 2784' 13' 30'	Strap Hours 6.25 68.75 2 3.25
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258 Operational By: 1400' Deviation Survey Depth 3289' - RTD Bit # Size Make 1 12 1/4" Reed 2 7 7/8" Reed 3 7 7/8" JZ	d Drilling - Rig #3 tt npson Environmental ivis Survey 1° Survey 1° RT R-24 HA20Q R-24 RR	Bit Record Serial Number Surface D236948 RR	es Logg Test Depth In 0' 388' 3172'	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe oth Depth Out 388' 3172' 3185'	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mid : No DSTs : n/a • Strap Pipe n/a Feet 388' 2784' 13'	Strap Hours 6.25 68.75 2
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258 Operational By: 1400' Deviation Survey Depth 3289' - RTD Bit # Size Make 1 12 1/4" Reed 2 7 7/8" Reed 3 7 7/8" JZ 4 7 7/8" Reed 5 7 7/8" JZ 6 7 7/8" Reed	Survey 1° Survey 1° Survey 1° Survey 1° RT R-24 HA20Q R-24 RR RR R-24	Bit Record Serial Number Surface D236948 RR D213166 RR D213165 Surface Casing	Es Logg Test Depth In 0' 388' 3172' 3185' 3215' 3258'	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe oth Depth Out 388' 3172' 3185' 3215' 3258' 3289'	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mid : No DSTs : n/a • Strap Pipe n/a • Feet 388' 2784' 13' 30' 43' 31'	Cro, Sonic Strap Hours 6.25 68.75 2 3.25 4.25 3
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258 Operational By: 1400' Deviation Survey Depth 3289' - RTD Bit # Size Make 1 12 1/4" Reed 2 7 7/8" Reed 3 7 7/8" Reed 3 7 7/8" Reed 5 7 7/8" Reed	d Drilling - Rig #3 tt npson Environmental ivis Survey 1° Survey 1° RT R-24 HA20Q R-24 RR	Bit Record Serial Number Surface D236948 RR D213166 RR D213165 Surface Casing	Es Logg Test Depth In 0' 388' 3172' 3185' 3215' 3258'	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe oth Depth Out 388' 3172' 3185' 3215' 3258' 3289'	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mid : No DSTs : n/a • Strap Pipe n/a • Feet 388' 2784' 13' 30' 43' 31'	Cro, Sonic Strap Hours 6.25 68.75 2 3.25 4.25 3
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258 Operational By: 1400' Deviation Survey Depth 3289' - RTD Bit # Size Make 1 12 1/4" Reed 2 7 7/8" Reed 3 7 7/8" JZ 4 7 7/8" Reed 5 7 7/8" JZ 6 7 7/8" Reed 5 7	Survey 1° Survey 1° Survey 1° RT R-24 HA20Q R-24 RR R-24 RR R-24 RR R-24	Bit Record Serial Number Surface D236948 RR D213166 RR D213165 Surface Casing e casing, set @	Es Logg Test Depth In 0' 388' 3172' 3185' 3215' 3215' 3258' 3258'	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe oth Depth Out 388' 3172' 3185' 3215' 3258' 3289' ented with 25	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mid : No DSTs : n/a • Strap Pipe n/a • Feet 388' 2784' 13' 30' 43' 31'	Cro, Sonic Strap Hours 6.25 68.75 2 3.25 4.25 3
Derek W. Patterson	Survey 1° Survey 1° Survey 1° Survey 1° Survey 1° Survey 1° Survey 1° Survey 1° Survey 1° Survey 1° Survey 1° Survey 1° Survey 1° Survey 1° Survey 1° Survey Survey 1° Survey Survey 1° Survey Survey Survey 1° Survey	Bit Record Serial Number Surface D236948 RR D213166 RR D213165 Surface Casing e casing, set @ .17. By Basic El Production Casin	Logg Test Depth In 0' 388' 3172' 3185' 3215' 3215' 3215' 3258' 388' KB. Cem nergy Services g	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe oth Depth Out 388' 3172' 3185' 3215' 3258' 3289' ented with 25	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mid : No DSTs : n/a e Strap Pipe n/a Feet 388' 2784' 13' 30' 43' 31' 0 sacks 60/40 F	Strap Hours 6.25 68.75 2 3.25 4.25 3 Poz.
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258 Operational By: 1400' Deviation Survey Depth 3289' - RTD Bit # Size Make 1 12 1/4" Reed 2 77/8" Reed 3 77/8" JZ 4 77/8" Reed 3 77/8" JZ 4 77/8" Reed 5 77/8" Reed	Survey 1° Survey Survey 1° Survey 1° Survey Survey 1° Survey 1° Survey Survey 1° Survey Survey 1° Survey Su	Bit Record Serial Number Surface D236948 RR D213166 RR D213166 RR D213165 Surface Casing e casing, set @ .17. By Basic El Production Casin ested 5 1/2" prod A-2 10% salt, 59	Logg Logg Test Depth In 0' 388' 3172' 3185' 3215' 3258' 388' KB. Cem nergy Services g uction casing,	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe oth Depth Out 388' 3172' 3185' 3215' 3258' 3289' ented with 25 tallying 3292.	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mid : No DSTs : n/a e Strap Pipe n/a Feet 388' 2784' 13' 30' 43' 31' 0 sacks 60/40 F 10', set @ 3289	Strap Hours 6.25 68.75 2 3.25 4.25 3 Poz.
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258 Operational By: 1400' Deviation Survey Depth 3289' - RTD Bit # Size Make 1 12 1/4" Reed 2 7 7/8" Reed 3 7 7/8" JZ 4 7 7/8" Reed 3 7 7/8" JZ 4 7 7/8" Reed 5 7 7/8" JZ 6 7 7/8" Reed 5 7 7/	Survey 1° Survey 1° Survey 1° Survey 1° RT R-24 HA20Q R-24 RR RC R-24 RC RC RC RC RC RC RC RC RC RC	Bit Record Serial Number Surface D236948 RR D213166 RR D213166 RR D213165 Surface Casing e casing, set @ .17. By Basic El Production Casin sted 5 1/2" prod A-2 10% salt, 5%	Logg Logg Test Depth In 0' 388' 3172' 3185' 3215' 3215' 3258' 388' KB. Cem nergy Services g uction casing, 6 calset, .3% F	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe oth Depth Out 388' 3172' 3185' 3215' 3258' 3258' 3289' ented with 25 tallying 3292. R, .3% FLR-	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mid : No DSTs : n/a e Strap Pipe n/a Feet 388' 2784' 13' 30' 43' 31' 0 sacks 60/40 F 10', set @ 3289	Strap Hours 6.25 68.75 2 3.25 4.25 3 Poz.
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258 Operational By: 1400' Deviation Survey Depth 3289' - RTD Bit # Size Make 1 12 1/4" Reed 2 7 7/8" Reed 3 7 7/8" JZ 4 7 7/8" Reed 3 7 7/8" JZ 4 7 7/8" Reed 5 7 7/8" JZ 6 7 7/8" Reed 5 7 7/	Survey 1° Survey Survey 1° Survey 1° Survey Survey 1° Survey 1° Survey Survey 1° Survey Survey 1° Survey Su	Bit Record Serial Number Surface D236948 RR D213166 RR D213166 RR D213165 Surface Casing e casing, set @ .17. By Basic El Production Casin sted 5 1/2" prod A-2 10% salt, 5%	Logg Logg Test Depth In 0' 388' 3172' 3185' 3215' 3215' 3258' 388' KB. Cem nergy Services g uction casing, 6 calset, .3% F	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe oth Depth Out 388' 3172' 3185' 3215' 3258' 3258' 3289' ented with 25 tallying 3292. R, .3% FLR-	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mid : No DSTs : n/a e Strap Pipe n/a Feet 388' 2784' 13' 30' 43' 31' 0 sacks 60/40 F 10', set @ 3289	Strap Hours 6.25 68.75 2 3.25 4.25 3 Poz.
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258 Operational By: 1400' Deviation Survey Depth 3289' - RTD Bit # Size Make 1 12 1/4" Reed 2 7 7/8" Reed 3 7 7/8" JZ 4 7 7/8" Reed 3 7 7/8" JZ 4 7 7/8" Reed 5 7 7/8" JZ 6 7 7/8" Reed 5 7 7/	Survey 1° Survey 1° Survey 1° Survey 1° Survey 1° RT R-24 HA20Q R-24 RR RR RR RR RR RR RR RR RR R	Bit Record Serial Number Surface D236948 RR D213166 RR D213166 RR D213165 Surface Casing e casing, set @ .17. By Basic El Production Casin sted 5 1/2" prod A-2 10% salt, 5%	Logg Depth In O' 388' 3172' 3185' 3215' 3258' 388' KB. Cem nergy Services g uction casing, 6 calset, .3% F nergy Services	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe oth Depth Out 388' 3172' 3185' 3215' 3258' 3258' 3289' ented with 25 tallying 3292. R, .3% FLR-	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mid : No DSTs : n/a e Strap Pipe n/a Feet 388' 2784' 13' 30' 43' 31' 0 sacks 60/40 F 10', set @ 3289	Strap Hours 6.25 68.75 2 3.25 4.25 3 Poz.
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258 Operational By: 1400' Deviation Survey Depth 3289' - RTD Bit # Size Make 1 12 1/4" Reed 2 7 7/8" Reed 3 7 7/8" JZ 4 7 7/8" Reed 3 7 7/8" JZ 4 7 7/8" Reed 5 7 7/8" JZ 6 7 7/8" Reed 5 7 7/	Survey 1° Survey 1° Survey 1° Survey 1° Survey 1° RT R-24 HA20Q R-24 RR RR RR RR RR RR RR RR RR R	Bit Record Serial Number Surface D236948 RR D213166 RR D213166 RR D213165 Surface Casing e casing, set @ .17. By Basic Ei Production Casin ested 5 1/2" prod A-2 10% salt, 5% ate. .17. By Basic Ei Production Casin	Logg Depth In O' 388' 3172' 3185' 3215' 3258' 388' KB. Cem nergy Services g uction casing, 6 calset, .3% F nergy Services	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe oth Depth Out 388' 3172' 3185' 3215' 3258' 3289' ented with 25 tallying 3292. R, .3% FLR-	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mid : No DSTs : n/a e Strap Pipe n/a Feet 388' 2784' 13' 30' 43' 31' 0 sacks 60/40 F 10', set @ 3289	Strap Hours 6.25 68.75 2 3.25 4.25 3 Poz.
Derek W. Patterson Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258 Operational By: 1400' Deviation Survey Depth 3289' - RTD Bit # Size Make 1 12 1/4" Reed 2 7 7/8" Reed 3 7 7/8" JZ 4 7 7/8" Reed 3 7 7/8" JZ 4 7 7/8" Reed 5 7 7/8" AZ 6 7 7/8" Reed 5 7 7/8" Reed 6 7 7	d Drilling - Rig #3 tt npson Environmental wis Survey 1° Survey 1° RT R-24 HA20Q R-24 HA20Q R-24 RR R24 RA R24 RR R24 RR R24 RA R24 RR R24 RA R3 R3 R3 R3 R3 R3 R3 R3 R3 R3 R3 R3 R3	Bit Record Serial Number Surface D236948 RR D213166 RR D213166 RR D213165 Surface Casing e casing, set @ .17. By Basic Effect Production Casin ested 5 1/2" prod A-2 10% salt, 5% ate. .17. By Basic Effect Production Casin (DRILLING RE Previous pper Pennsylvar	Logg Depth In 0' 388' 3172' 3185' 3215' 3258' 388' KB. Cem nergy Services g uction casing, 6 calset, .3% F nergy Services g uction casing, 6 calset, .3% F	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe oth Depth Out 388' 3172' 3185' 3215' 3258' 3289' ented with 25 tallying 3292. R, .3% FLR-	: Rick Hughes : Eli Wireline : Jeff Luebbers : DI, CDNL, Mid : No DSTs : n/a e Strap Pipe n/a Feet 388' 2784' 13' 30' 43' 31' 0 sacks 60/40 F 10', set @ 3289 322, 1% GB & 5 W. Patterson of	Poz.
Derek W. Patterson Deviation Survey Depth Size Make 1 1 2 7 7/8" Reed 3 7 7/8" 3289' - RTD Bit # Size Make 1 1 2 7 7/8" Reed 3 7 7/8" Reed 5 7 7/8 Reed 5 7 7 8	Survey 1° Survey Survey 1° Survey Survey 1° Survey 1° Survey Survey 1° Survey Survey 1° Survey Survey Survey 1° Survey Survey Survey 1° Survey	Bit Record Serial Number Surface D236948 RR D213166 RR D213166 RR D213166 In Surface Casing e casing, set @ .17. By Basic E Production Casin ested 5 1/2" prod A-2 10% salt, 5% ate. .17. By Basic E Production Casin ested 5 1/2" prod A-2 10% salt, 5% ate. .17. By Basic E	Logg Depth In 0' 388' 3172' 3185' 3215' 3258' 388' KB. Cem nergy Services g uction casing, 6 calset, .3% F nergy Services g uction casing, 6 calset, .3% F nergy Services	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe oth Depth Out 388' 3172' 3185' 3215' 3258' 3258' 3289' ented with 25 tallying 3292. R, .3% FLR- Deptations ologist Derek Drilling and co	 Rick Hughes Eli Wireline Jeff Luebbers DI, CDNL, Mid No DSTs n/a Strap Pipe n/a Feet 388' 2784' 13' 30' 43' 31' 0 sacks 60/40 F 10', set @ 3289 322, 1% GB & 5 322, 1% GB & 5 	bro, Sonic Strap Hours 6.25 68.75 2 3.25 4.25 3 Poz. PKB. WKB. S#/ sx
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258 Operational By: 1400' Deviation Survey Depth 3289' - RTD Deviation Deviati	Survey a Drilling - Rig #3 tt npson Environmental wis Survey 1° Type RT R-24 HA20Q R-24 RR R-24 HA20Q R-24 RR R-24 HA20Q R-24 RR R-24 BR R-24 RR R-24 RR R-24 BR R-24 Cement did circulate. n @ 0730 hrs 5.26 Fints of used and te d with 175 sacks A Cement did circulate. n @ 1530 hrs 5.31 DAILY and connections u s 5.28.17. Reset B	Bit Record Serial Number Surface D236948 RR D213166 RR D213165 Surface Casing e casing, set @ .17. By Basic El Production Casin sted 5 1/2" prod A-2 10% salt, 5% ate. .17. By Basic El Production Casin sted 5 1/2" prod A-2 10% salt, 5% ate. .17. By Basic El Provious pper Pennsylvar Bloodhound and uth). Resume dr I-Kansas City. D	Logg Depth In 0' 388' 3172' 3185' 3215' 3258' 388' KB. Cem nergy Services g uction casing, 6 calset, .3% F nergy Services g uction casing, 6 calset, .3% F nergy Services g uction casing, 6 calset, .3% F	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe oth Depth Out 388' 3172' 3185' 3215' 3258' 3289' ented with 25 tallying 3292. R, .3% FLR- Deprations plogist Derek priling and co ections Topel	 Rick Hughes Eli Wireline Jeff Luebbers DI, CDNL, Mid No DSTs n/a Strap Pipe n/a Feet 388' 2784' 13' 30' 43' 31' 0 sacks 60/40 F 10', set @ 3289 322, 1% GB & 5 322, 1% GB & 5 	Strap Strap Hours 6.25 68.75 2 3.25 4.25 3 Poz. VKB. WKB. WKB. WKB. S#/ sx
Derek W. Patterson Drilling Contractor: Southwing Tool Pusher: Jay Krier Daylight Driller: Darrel Yo Evening Driller: Jim Pfaff Morning Driller: Ken Thon Gas Detector: Bluestem Engineer: Keith Rea Unit: 5258 Operational By: 1400' Deviation Survey Depth 3289' - RTD Bit # Size Make 1 12 1/4" Reed 3 7 7/8" Bit # Size Make 1 12 1/4" Reed 3 7 7/8" 3 7 7/8" 3 7 7/8" 5.26.2017 Ran 9 joir Cement de Plug down 5.31.2017 Ran 80 jo Cement de gilsonite. Plug down 5.31.2017 Ran 80 jo S.29.2017 2939' Date 0700 Hrs Depth 5.29.2017 2939'	Survey 1° Survey 1° Survey 1° Survey 1° Survey 1° Survey 1° Survey 1° RT R-24 HA20Q R-24 RR R-24 RR R-24 RR R-24 RR R-24 RR R-24 RR R-24 RR R-24 Cement did circulate. n @ 0730 hrs 5.26 Fints of 8 5/8" surface id circulate. n @ 0730 hrs 5.26 Fints of used and te d with 175 sacks A Cement did circulate n @ 1530 hrs 5.31 DAILY and connections u s 5.28.17. Reset F Topeka - Plattsmou	Bit Record Serial Number Surface D236948 RR D213166 RR D213166 RR D213165 Surface Casing e casing, set @ .17. By Basic Ei Production Casin ested 5 1/2" prod A-2 10% salt, 5% ate. .17. By Basic Ei Production Casin sted 5 1/2" prod A-2 10% salt, 5% ate. .17. By Basic Ei Provious pper Pennsylvar Bloodhound and uth). Resume dr	Logg Depth In 0' 388' 3172' 3185' 3215' 3258' 388' KB. Cem nergy Services g uction casing, 6 calset, .3% F nergy Services g uction casing, 6 calset, .3% F nergy Services g uction casing, 6 calset, .3% F	Engineer ing Company Engineer Logs Ran ing Company Tester Pipe oth Depth Out 388' 3172' 3185' 3215' 3258' 3289' ented with 25 tallying 3292. R, .3% FLR- Deprations plogist Derek priling and co ections Topel	 Rick Hughes Eli Wireline Jeff Luebbers DI, CDNL, Mid No DSTs n/a Strap Pipe n/a Feet 388' 2784' 13' 30' 43' 31' 0 sacks 60/40 F 10', set @ 3289 322, 1% GB & 5 322, 1% GB & 5 	Strap Strap Hours 6.25 68.75 2 3.25 4.25 3 Poz. VKB. WKB. WKB. WKB. S#/ sx

5.30.2017 3215' Drilling and connections Lansing-Kansas City, Base Kansas City, and into Precambrian Quartzite. Stop for bit trip @ 3172' (Quartzite). CTCH, TOH for bit trip #1 1945 hrs 5.29.17. TIH with new bit. CTCH, resume drilling following bit trip 2330 hrs 5.29.17. Drilling and connections Precambrian Quartzite. Stop for bit trip @ 3185' (Quartzite). CTCH, TOH for bit trip #2 0100 hrs 5.30.17. TIH with new bit. CTCH, resume drilling following bit trip 0415 hrs 5.30.17. Drilling and connections Precambrian Quartzite. Made 276' over past 24 hrs of operations. WOB: 30k RPM: 80 PP: 900 SPM: 60

DMC: \$82.00 CMC: \$5,278.63 5.31.2017 RTD - 3289' Drilling and connections Precambrian Quartzite. Stop for bit trip @ 3215' (Quartzite). CTCH, TOH LTD - 3290' for bit trip #3 0730 hrs 5.30.17. TIH with new bit. CTCH, resume drilling following bit trip 1035 hrs 5.30.17. Drilling and connections Precambrian Quartzite. Stop for bit trip @ 3258' (Quartzite). CTCH, TOH for bit trip #4 1455 hrs 5.30.17. TIH with new bit. CTCH, resume drilling following bit trip 1815 hrs 5.30.17. Drilling Precambrian Quartzite ahead to RTD of 3289'. RTD reached 2125 hrs 5.30.17. CTCH, drop survey, TOH for logging operations. Rig up Eli Wireline. Commence open hole logging operations 1220 hrs 5.31.17, conclude open hole logging operations 0445 hrs 5.31.17. Orders received to run 5 1/2" production casing to further test the Precambrian Quartzite. Geologist off location 0545 hrs 5.31.17. Made 74' over past 24 hrs of operations. WOB: 30k RPM: 80 PP: 900 SPM: 60 DMC: \$789.59 CMC: \$6,068.22

			WELL COMPA				
		rilling Well Iting - Dohrman #1-2	26	Comparison Well Bay Petroleum - Roelfs #	3 Birminc	Comparis ham-Bartlett I	Drilling - Godfrey #5
	Sec. 26	- T18S - R10W SL & 1980' FEL		Sec. 26 - T18S - R10W NW SW SE		Sec. 26 - T1 NE SE	8S - R10W
	1743 GL 1751 KB		Oil - Q 1747	Quartzite Stru	ictural Oil - A ionship 1756	rbuckle	Structural Relationship
Formation Topeka	Sample Sub-Set 2477 -726		Sub-Sea Sample -727 2476	Sub-Sea Sample	Log Log 2 2485	Sub-Sea -729	Sample Log 3 2
King Hill	2573 -822	2572	-821	-729 3	2572	-816	-6 -5
Queen Hill Plattsmouth	2650 -899 2685 -934	2684	-899 -933		2661 2697	-905 -941	6 6 7 8
Heebner Toronto	2739 -988 2760 -1009		-987 -1009	<u> </u>	2755 2777	-999 -1021	11 12 12 12
Douglas Brown Lime	2768 -1017 2856 -1105		-1016 -1105		2784 2879	-1028 -1123	11 12 18 18
Lansing-Kansas City LKC 'B'	2881 -1130 2900 -1149	2880	-1129 2879 -1149	-1132 2	3 2903 2925	-1147 -1169	17 18 20 20
LKC 'D'	2922 -1171	1 2921	-1170		2944	-1188	17 18
LKC 'F' LKC 'G'	2948 -1197 2970 -1219	9 2970	-1197 -1219		2970 2982	-1214 -1226	17 17 7 7
Muncie Creek LKC 'H'	3006 -1255 3017 -1266		-1255 -1265	<u>├── </u>	3037 3050	-1281 -1294	26 26 28 29
LKC 'I' LKC 'J'	3034 -1283 3048 -1297		-1281 -1297		3065 3084	-1309 -1328	26 28 31 31
Stark LKC 'K'	3078 -1327 3083 -1332	7 3076	-1325 -1331		3110 3119	-1354 -1363	27 29 31 32
Hushpuckney	3118 -1367	7 3111	-1360		3146	-1390	23 30
LKC 'L' Base Kansas City	3121 -1370 3152 -1401	1 3152	-1367 -1401		3155 3186	-1399 -1430	29 32 29 29
Arbuckle Precambrian Quartizte	3171 -1420		-1412 3240	Not Present -1493 73	81 3241	-1485 Not Pen	
Total Depth	3289 -1538	3 3290	-1539 3291	-1544 6	5 3272	-1516	-22 -23
LMST1		LMST4	ROCK	TYPES	SHALE GRA		
LMST2		QRTZITE	SH		SHALE RED		
LMST3	3	Ss Ss		IALE GRN			
			ACCESS	SORIES			
MINERAL	FOSSIL		STRINGER	TEXTUR	E		
P Pyrite		or Fragmental	Sandstone	C Chalk	у		
SandySilty	F Fossils < 2 ♦ Oolite		Siltstone	L Lithog	,r		
	o Oomoldic						
			OTHER S	YMBOLS			
DST							
DST1 DST2							
■ DST3 ■ Core							
tail pipe							
Currie Treak #1				Printed	I by GEOstrip VC Strip	log version	4.0.8.15 (www.grsi.c
Curve Track #1 ROP (min/ft)	_					Total Ga	TG, C1 - C5 is (units)
Gamma (API)	vals					C1 (units	s) —
Cal (in)	Inter	~ <				C2 (units	s) —
	Depth Intervals	Lithology Oil Show				C3 (units	s) —
		Oil Lith		Geological Description	ns	C4 (units	s)
	terval						
	Cored Interval DST Interval						
1:240 Imperial 0 ROP (min/tt)							1:240 Imperial
0 Gamma (AP) 6 Cal (in)	5 150 16		Displaced Mud System	ו @ 2377 '			Ctal Gas (units) 10 Ct (units) 10 C2 (units) 10
o Cal (in)	2360					0	C2 (units) 10 C3 (units) 10
	2360						
	2370						
	cn						
	2380						
	2390						
	2390						
0 (OD (min/#))	2400						
0 (OP (min/ft) 0 Camma (API) 6 Vin	5 5 150						Total Gas (units) 10 C1 (units) 10 C2 (units) 10
0 POP (min/ft) 0 Camma (API) 6 Camma (in)	5 5 150 16 cn						
0 Gamma (API)	5 5 150						C1 (units) 10 C2 (units) 10
0 Gamma (API)	5 2400 150 16 cn 2410						C1 (units) 10 C2 (units) 10
0 Gamma (API)	5 5 150 16 cn						C1 (units) 10 C2 (units) 10
0 Gamma (API)	2400 150 16 cn 2410 2420 2420						C1 (units) 10 C2 (units) 10
0 Gamma (API)	5 2400 150 16 cn 2410						Ct (units) 10 C2 (units) 10 C3 (units) 10 C4 (units)
0 Gamma (API)	2400 150 16 cn 2410 2420 2420						Ct (units) (C C2 (units) (C C3 (units) (C C4 (units) (C C4 (units) (C C4 (units) (C C4 (units) (C C4 (units) (C C4 (units) (C C C4 (units) (C C C4 (units) (C C C4 (units) (C C C4 (units) (C C C C4 (units) (C C C C C C C C C C C C C C C C C C C
0 Gamma (API)	2400 150 16 cn 2410 2420 2420			SEVERY 2443' (-A	92')		Ct (units) ft C2 (units) 10 C3 (units) 10 C4 (units) 10 C4 (units) 10 Mud-Co Mud Ck 0 @ 2428' 1040 hrs 5.28.17 Vis: 63 Wt: 8.7 PV: 16 YP: 21 WL: 8.8 Cake: 1/32nd
0 Gamma (API)	2400 150 16 cn 2410 2420 2420 2430		start 10' Wet & Dry Sar	<u>SEVERY 2443' (-6</u> mples	<u>92')</u>		Ct (units) ft C2 (units) 10 C3 (units) 10 C4 (units) 10 Mud-Co Mud Ck @ 2428' 1040 hrs 5.28.17 Vis: 63 Wt: 8.7 PV: 16 YP: 21 WL: 8.8 Cake: 1/32nd pH: 11.5 CHL: 1,700 ppm
0 Gamma (API)	2400 150 16 cn 2410 2420 2420 2430		Start 10' Wet & Dry Sar				Ct (units) ft C2 (units) 10 C3 (units) 10 C4 (units) 10 C4 (units) 10 Mud-Co Mud Ck @ Q2428' 1040 hrs 5.28.17 Vis: 63 Wt: 8.7 PV: 16 YP: 21 WL: 8.8 Cake: 1/32nd QH: 1.5 CHL: 1,700 ppm Cal: 20 Solids: 2.7
0 Gamma (API)	5 2400 150 16 cn 2410 2420 2420 2430 cn 2430		Start 10' Wet & Dry Sar	mples			Ct (units) (C) C2 (units) (C) C3 (units) (C) C4 (U) C4 (U)
0 Gamma (API)	2400 150 16 cn 2410 2420 2420 2430 cn 2430 2430 2430 2450		Start 10' Wet & Dry Sar	mples			Ct (units) ft C2 (units) 10 C3 (units) 10 C4 (units) 10 C4 (units) 10 Mud-Co Mud Ck @ Q2428' 1040 hrs 5.28.17 Vis: 63 Wt: 8.7 PV: 16 YP: 21 WL: 8.8 Cake: 1/32nd QH: 1.5 CHL: 1,700 ppm Cal: 20 Solids: 2.7
0 Gamma (API)	5 2400 150 16 cn 2410 2420 2420 2430 cn 2430	s	start 10' Wet & Dry Sar	mples nded, most soft with some	e waxy.		Ct (units) ft C2 (units) 10 C3 (units) 10 C4 (units) 10 C4 (units) 10 Mud-Co Mud Ck @ Q2428' 1040 hrs 5.28.17 Vis: 63 Wt: 8.7 PV: 16 YP: 21 WL: 8.8 Cake: 1/32nd QH: 1.5 CHL: 1,700 ppm Cal: 20 Solids: 2.7
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		eyea					
	Limestone: cream It cream It tan, dense matrix, vf-microxIn, most barren, poor visible porosity, no shows, no fluorescence.		ſ				
						Vis	: 55
	Limestone: It cream It tan, dense matrix, vfxIn, increase in fossiliferous material, poor visible porosity, no shows, no fluorescence.					Wt	8.7
F	KING HILL 2572' (-821') Shale: black, carbonaceous, blocky and firm, no gas show.						
	Shale: gray dk gray, rounded, mostly soft. Limestone: It cream cream, dense matrix, vfxln, most fossiliferous, poor visible						
	porosity, no shows, no fluorescence, with fair amount of loose chalky material.						
	Shale: gray dk gray some dk red, blocky to rounded, most soft and brittle.	0	то	C1 (I		S)	100
F	Limestone: It gray cream, dense tight matrix, micro-vfxln, scattered sub- fossiliferous to mostly barren, poor visible porosity, no shows, no fluorescence.	0 0 0		C2 (ι C3 (ι C4 (ι			100 100 100
	Limestone: It gray cream, dense tight matrix, micro-vfxln, scattered						
F	fossiliferous, poor visible porosity, no shows, no fluorescence.						
	Limestone: cream It cream brown, dense tight matrix, micro-vfxln, scattered fossiliferous, no shows, no fluorescence.						
	QUEEN HILL 2650' (-899') Shale: black dk gray, carbonaceous, blocky and firm, slightly bleeding gas.						
	Limestone: cream It cream It gray, dense to slightly friable matrix, vfxln, fair- poor interxln porosity, no shows, no fluorescence.						
	Limestone: white It cream, dense to slightly friable matrix, vfxIn, fair-poor						
C	interxIn porosity, no shows, no fluorescence, with scattered Chalk in sample.		J				
	Limestone: cream It cream, dense sub-sucrosic to re-xln matrix, vfxln, poor visible porosity, no shows, no fluorescence. 2704' cfs - Limestone: It cream It tan, dense to sub-friable matrix, vfxln,						: 53 : 9.0
	scattered good vug development with associated porosity, 40" - (1) piece with fair oil show from porosity, increase upon break, scattered edge fluorescence, no odor in cup.						
	Limestone: cream gray, dense tight matrix, some chalky, micro-cryptoxln, barren, no visible porosity, no shows, no fluorescence.						
	Limestone: It gray white, dense tight matrix, micro-cryptoxln, barren, no visible porosity, no shows, no fluorescence.						
	HEEBNER 2738' (-987') Shale: black dk gray, carbonaceous, blocky to rounded, most firm with scattered waxy, no gas show.						
	Shale: gray dk gray pale green brick red, mostly blocky and firm.						
	TORONTO 2760' (-1009') Limestone: brown tan, dense tight matrix, cryptoxln, no porosity, no shows.						
	DOUGLAS 2767' (-1016') Shale: gray dk gray dk green, blocky and dense, most firm.						
	Shale: gray dk gray dk green pale green, blocky and dense, some softer and rounded arenaceous material.						
	Influx of Sandstone: clear, very tight matrix, vfgrained, well sorted and well cemented, no shows, no fluorescence, with continued Shale as above.						
		0	То	C1 (L		s)	100
	Shale: gray dk gray dk green, blocky to rounded, most firm, becoming very arenaceous and silty, with interbedded Siltstone: gray It gray, dense and blocky, and interbedded Sandstone: clear, very tight matrix, vfgrained, well sorted and cemented, no shows, no fluorescence.		}	C2 (t C3 (t C4 (t			100 100 100
	Shale: gray dk gray dk green, blocky to rounded, most firm, very arenaceous and silty, with interbedded Siltstone: gray It gray, dense and blocky, and interbedded Sandstone: clear, very tight matrix, vfgrained, well sorted and cemented, no shows, no fluorescence.						
	Shale: gray dk gray, blocky to rounded, firm, some silty in part. BROWN LIME 2856' (-1105')						
	Limestone: brown dk brown tan, dense tight matrix, microxln, barren, no shows, no fluorescence, increase in Shale with depth.						s: 53 t: 9.0
	Shale: gray dk gray, blocky and very dense.						
	LANSING-KANSAS CITY 2880' (-1129') Limestone: cream It cream, dense matrix, microxIn, barren, poor-no visible porosity, no shows, no fluorescence.						
	Limestone: cream It cream, dense matrix, microxIn, scattered compact fossiliferous, poor-no visible porosity, no shows, no fluorescence.						
	Limestone: It cream It gray off white, mostly dense matrix, micro-vfxln, barren to sub-fossiliferous, some scattered fair-good oomoldic/vug development with overall poor-fair associated porosity, no shows, no fluorescence.						
		\mathbb{P}^+	+	_	\vdash	+	+

Mud-Co Mud Ck

0920 hrs 5.29.17 Vis: 54 Wt: 9.1 PV: 14 YP: 17

. CHL: 4,500 ppm Cal: 40

100

100

Vis: 55 Wt: 9.4

Mud-Co Mud Ck @ 3215'

0835 hrs 5.30.17

Vis: 58 Wt: 9.3 PV: 18 YP: 23

-WL: 8.8 Cake: 2/32nd

pH: 11.0 CHL: 3,600 ppm Cal: 20

Solids: 6.9

100

100

Note

Increase in

Gas Readings

Vis: 55 -Wt: 9.3

LCM: Tr

WL: 8.8 Cake: 2/32nd

pH: 10.5

Solids: 5.4 LCM: Tr

@ 2999'