KOLAR Document ID: 1401525

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No.:		
Name:	Spot Description:		
Address 1:			
Address 2:	Feet from		
City:	Feet from		
Contact Person:	Footages Calculated from Nearest Outside Section Corner:		
Phone: ()	□NE □NW □SE □SW		
CONTRACTOR: License #	GPS Location: Lat:, Long:, (e.axxx.xxxxx)		
Name:	Datum: NAD27 NAD83 WGS84		
Wellsite Geologist:	County:		
Purchaser:			
Designate Type of Completion:	Lease Name: Well #:		
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:		
☐ Oil ☐ WSW ☐ SWD ☐ Gas ☐ DH ☐ EOR	Producing Formation: Kelly Bushing:		
☐ OG ☐ GSW	Total Vertical Depth: Plug Back Total Depth:		
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet		
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?		
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet		
Operator:	If Alternate II completion, cement circulated from:		
Well Name:	feet depth to: w/ sx cmt.		
Original Comp. Date: Original Total Depth:			
□ Deepening □ Re-perf. □ Conv. to EOR □ Conv. to SWD □ Plug Back □ Liner □ Conv. to GSW □ Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)		
Commission Powert #1	Chloride content:ppm Fluid volume: bbls		
☐ Commingled Permit #: ☐ 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	QuarterSecTwpS. R East West		
Recompletion Date Recompletion Date	Countv: 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: 1401525

Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Used		Type and F	Percent Additives	
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion
Operator	RL Investment, LLC
Well Name	PFEIFER TRUST 2-8
Doc ID	1401525

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	23	261	Common	3%cc, 2%gel

REMIT TO RR 1 BOX 90 D

HOXIE, KS 67740 SCHIPPERS OIL FIELD SERVICE L.L.C.

- PARON THE TOTAL PROPERTY 💸 YOUNG

111111111111

DATE 12/8 SEC.	RANGE/TWP. 12 - 25	CALLED OUT	ON LOCATION	JOB START OF	JOB/FINISH A
A section of the section of the section of the			Partitions (10	COUNTRES	STATIETS
LEASE of the Series in the	as from a second to the second	well# 2-8		rhac ma en. 1	General Section
m shappers on gothernative	MAY being a recommendate of the control of			and American	
R may agree to pay under ap-		Supplies yet and the policy of	with real of	(*************************************	s helge
CONTRACTOR	SIP Doille	OWNER R 7	1		in an habita
TYPE OF JOB	Play			10 y 40 - 100 30	100
HOLE SIZE 7 7/8	T.D.	CEMENT	2000	Tell Medicine	Ť.
CASING SIZE	DEPTH	AMONT ORDERED	240		
TUBING SIZE	DEPTH				142
DRILL PIPE	DEPTH				
TOOL	DEPTH			The state of the s	
PRES. MAX	MINIMUM	COMMON	144	@	
DISPLACEMENT	SHOE JOINT	POZMIX * *	96	@	
CEMENT LEFT IN CSG.		GEL	9	@	
PERFS		CHLORIDE	0	@	
		ASC		@	
EQUIPMENT	7		-1	@	Segretary 1
		Flo-seal	60165	@) 25	
PUMPTRUCK		110 250	00163	<u> </u>	e
# Jeim				@	
BULK TRUCK				@	
# Jack				@	1.00
BULK TRUCK				@	
# 241.5 16 18 18 18 18 18 18 18 18 18 18 18 18 18				@	1,222
		HANDLING	7 (10)	@ 2'2	
			248	-	
		MILEAGE		@ 1984	
				TOTAL	
DEMA DVG		7 7 1	1 11	T	
REMARKS 50 5x	2/*05/	SERVICE KOTO	ry Plus		
	418)	DEPT OF JOB	/ (#	@	- 30/
1005x	1203	PUMP TRUCK CHARGE	* *	e 18	5000
50 sx	311	EXTRA FOOTAGE		@	
10 5 X	40	MILEAGE		@	
0 1/1		MANIFOLD		@	
KatHole 38	PSX			@	
		9		TOTAL	
				· No.	
CHARGES TO: R L					
STREET	STATE				
CITY (See See See See See See See See See S	ZIP				

To: Schippers Oil Field Services L.L.C. You are hereby requested to rent cementing equipment and furnish staff to assit owner or contractor to do work as is listed. The above work was done to satisfaction and

PLUG & FLOAT EQUIPMENT	
4	@
	@
	@

REMIT TO RR 1 BOX 90 D HOXIE, KS 67740

SCHIPPERS OIL FIELD SERVICE L.L.C.

29/23/27/27/27/29/23/2**/2**

Nº 000613

		** ** ** ** ** ** ** ** ** ** ** ** **	1.11		Mark Control
ATE 11-30-21/Sec.	RANGE/TWP. 25W / 125	CALLED OUT 1:00pm	ON LOCATION	JOBSTART PM	JOB FINISH
- an distant recombining in fac-				COUNTY Trego	STATE K5
EASE PFCIFT Trust		WELL# 2-8	The grabitation	(1777), 1935, 154, 34	g. p
ที่ เรียกราชาสิกสารสารสารสารสารสารสารสารสารสารสารสารสารส		l To replie of less that there is	Constitution (Constitution)	ig of aborton fac	
)		[
CONTRACTOR STD	Dr.ll-	OWNER /	+6		7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TYPE OF JOB	- miles de la companya de la la companya de la comp		The state state	1 N	***
HOLE SIZE 12 14	T.D. 261	CEMENT	185		V I I I I I I I I I I I I I I I I I I I
CASING SIZE 8 %	DEPTH 252.75	AMONT ORDERED	16.00	1	1
TUBING SIZE	DEPTH +9 Landing Joint				1
DRILL PIPE 4/2	DEPTH				
TOOL	DEPTH		3.9	May 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
PRES. MAX	MINIMUM	COMMON	185	@	1
DISPLACEMENT ICEBL	SHOE JOINT 42./0	POZMIX	A Pro	@	
CEMENT LEFT IN CSG. 15'		GEL		@	a selen
PERFS		CHLORIDE		@	
Contract to the second of the		ASC		@	- 14 () () ()
EQUIPMENT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			@	
		The state of the s	**************************************		
PUMPTRUCK	There have Sauckey		" Seedle	@	
#	Fereny Stuckey			@ 100000	
	Jack Tolle	**************************************	2000-1	@	
BULK TRUCK	Jack 1011-e		Margarite - popular spirite	@	44
#	NI'D B . I .		Manager States and the same	@	
BULK TRUCK	Nick Austerman			@	DI STATE OF THE PARTY OF THE PA
# 150 450 150 150 150 150 150 150 150 150 150 1		Nation 1 to 1	100000	@ /	
		HANDLING	Else, and make brings	@	
		MILEAGE	31	@	Marie John James
in men a signification of	laste entre en la companya de la co		eg ^(t) mended for each	TOTAL	
			Make Land Control	141991	
REMARKS		SERVICE		May Str. 1989	
01		DEPT OF JOB		@	
Hid circ		PUMP TRUCK CHARGE	. 4	@	4: 3:
		EXTRA FOOTAGE		@	Esta esta
~/ ^		MILEAGE	39	@	
10/08/10	un (W 3:30pm	MANIFOLD		@	
1000		WALLE OLD	1.11	@	
			1	TOTAL	L
CHARGES TO: $\hat{\mathcal{R}}$ + /	17	7			
	1 hval			37	
STREET	STATE				
CITY	ZIP				

To: Schippers Oil Field Services L.L.C.
You are hereby requested to rent cementing equipment and furnish staff to assit owner or contractor to do work as is listed. The above work was done to satisfaction and

PLUG & FLOAT EQUIPMENT	
	@
	@
	@



Lease: Pfeifer Trust #2-8

SEC: 8 TWN: 12S RNG: 25W

County: TREGO State: Kansas

Drilling Contractor: STP Drilling, LLC -

Rig 1

Elevation: 2578 EGL

Field Name: Collyer Townsite

Pool: Infield Job Number: 89

DATE December 05 2017

DST #1 Formation: Lans "B"

Test Interval: 3921 -

Total Depth: 3938'

3938'

Time On: 04:50 12/05

Time Off: 13:46 12/05

Time On Bottom: 09:00 12/05 Time Off Bottom: 12:00 12/05

Electronic Volume Estimate:

113'

1st Open Minutes: 30

2.4" at 30 min

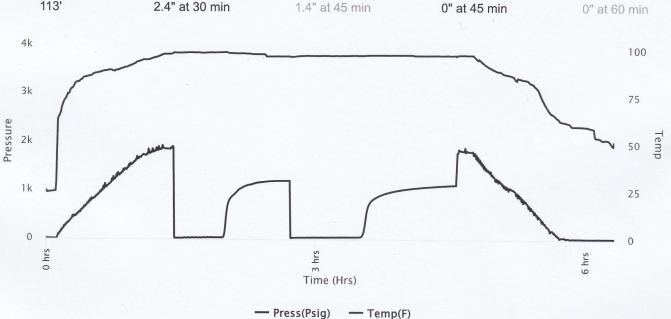
1st Close Minutes: 45

1.4" at 45 min

2nd Open Minutes: 45

2nd Close Minutes: 60

0" at 60 min





Lease: Pfeifer Trust #2-8

SEC: 8 TWN: 12S RNG: 25W

County: TREGO State: Kansas

Drilling Contractor: STP Drilling, LLC -

Rig 1

Elevation: 2578 EGL

Field Name: Collyer Townsite

Pool: Infield Job Number: 89

DATE December

05 2017

DST #1 Formation: Lans "B"

Test Interval: 3921 -

Total Depth: 3938'

3938'

Time On: 04:50 12/05

Time Off: 13:46 12/05

Time On Bottom: 09:00 12/05 Time Off Bottom: 12:00 12/05

Recovered

Foot <u>I</u>

BBLS 0.0984 Description of Fluid SLWCM <u>Gas %</u>

Oil %

Water % 10

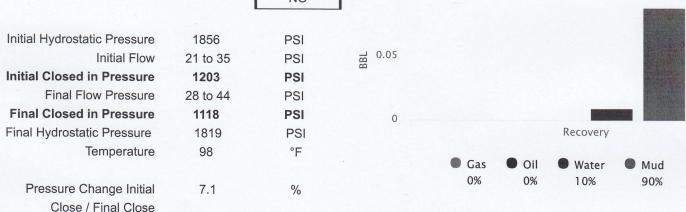
Mud % 90

Total Recovered: 20 ft

Total Barrels Recovered: 0.0984

Reversed Out

Recovery at a glance





LLC

DST #1

Lease: Pfeifer Trust #2-8

SEC: 8 TWN: 12S RNG: 25W

County: TREGO State: Kansas

Drilling Contractor: STP Drilling, LLC -

Rig 1

Elevation: 2578 EGL

Field Name: Collyer Townsite

Pool: Infield Job Number: 89

DATE December

05 2017

Formation: Lans "B"

Test Interval: 3921 -

Total Depth: 3938'

3938'

Time On: 04:50 12/05

Time Off: 13:46 12/05

Time On Bottom: 09:00 12/05 Time Off Bottom: 12:00 12/05

REMARKS:

Initial Flow: Blow increasing to 3 ins. Died to 2.4 ins.

Initial Shut-in: Blow increasing to 1.4 ins.

Final Flow: No blow. Final Shut-in: No blow.

Tool Sample: 10% water, 90% mud



LLC

Lease: Pfeifer Trust #2-8

SEC: 8 TWN: 12S RNG: 25W

County: TREGO State: Kansas

Drilling Contractor: STP Drilling, LLC -

Rig 1

Elevation: 2578 EGL

Field Name: Collyer Townsite

Pool: Infield Job Number: 89

DATE

December

05 2017 Formation: Lans "B"

Test Interval: 3921 -

Total Depth: 3938'

3938'

Time On: 04:50 12/05

Time Off: 13:46 12/05

Time On Bottom: 09:00 12/05 Time Off Bottom: 12:00 12/05

Down Hole Makeup

Heads Up:

16.99 FT

DST #1

Packer 1:

3915.5 FT

Drill Pipe:

3787.56 FT

Packer 2:

3921 FT

ID-3 1/2

Top Recorder:

3904.92 FT

Weight Pipe:

FT

Bottom Recorder:

3936 FT

ID-2 7/8

Collars:

Well Bore Size:

7 7/8

1"

5/8"

ID-2 1/4

Surface Choke:

Test Tool:

Bottom Choke:

29.24 FT

122.19 FT

ID-3 1/2-FH

Safety Joint

Total Anchor:

17

Anchor Makeup

Packer Sub:

1 FT

Perforations: (top):

13 FT

4 1/2-FH

Change Over:

Drill Pipe: (in anchor):

4 1/2-FH

ID-3 1/2

Change Over: FT

Perforations: (below):

3 FT



LLC

Lease: Pfeifer Trust #2-8

SEC: 8 TWN: 12S RNG: 25W

County: TREGO State: Kansas

Drilling Contractor: STP Drilling, LLC -

Rig 1

Elevation: 2578 EGL

Field Name: Collyer Townsite

Pool: Infield Job Number: 89

DATEDecember

05 2017

Formation: Lans "B"

Test Interval: 3921 -

Total Depth: 3938'

3938'

Time On: 04:50 12/05

Time Off: 13:46 12/05

Time On Bottom: 09:00 12/05 Time Off Bottom: 12:00 12/05

Mud Properties

Mud Type: Chemical

Weight: 8.7

DST #1

Viscosity: 60

Filtrate: 6.8

Chlorides: 1,700 ppm



Lease: Pfeifer Trust #2-8

SEC: 8 TWN: 12S RNG: 25W

County: TREGO State: Kansas

Drilling Contractor: STP Drilling, LLC - .

Rig 1

Elevation: 2578 EGL

Field Name: Collyer Townsite

Pool: Infield Job Number: 89

DATE December

06 2017 **DST #2** Formation: Lans "I" Test Interval: 4045 -

Total Depth: 4075'

4075'

Time On: 06:37 12/06

Time Off: 13:39 12/06

Time On Bottom: 09:00 12/06 Time Off Bottom: 12:00 12/06

Electronic Volume Estimate:

22'

1st Open Minutes: 30

.7" at 30 min

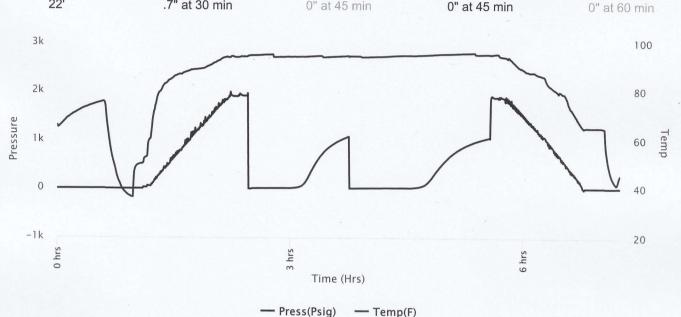
1st Close Minutes: 45

0" at 45 min

2nd Open Minutes: 45

0" at 45 min

2nd Close Minutes: 60





Lease: Pfeifer Trust #2-8

SEC: 8 TWN: 12S RNG: 25W

County: TREGO State: Kansas

Drilling Contractor: STP Drilling, LLC -

Rig 1

Elevation: 2578 EGL

Field Name: Collyer Townsite

Pool: Infield Job Number: 89

DATE December

06 2017 **DST #2**

1915

4 to 18

1081

14 to 23

1049

1886

96

3.0

Formation: Lans "I"

Test Interval: 4045 -

Total Depth: 4075'

4075'

Time On: 06:37 12/06

Time Off: 13:39 12/06

Time On Bottom: 09:00 12/06 Time Off Bottom: 12:00 12/06

Recovered

Initial Hydrostatic Pressure

Initial Closed in Pressure

Final Closed in Pressure

Final Hydrostatic Pressure

Foot 5

BBLS 0.0246

Initial Flow

Temperature

Description of Fluid M

Gas % 0

Oil % 0

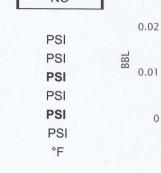
Water % 0

Mud % 100

Total Recovered: 5 ft

Total Barrels Recovered: 0.0246

Reversed Out NO



%



Final Flow Pressure

Recovery at a glance



B	Gas	Oil	Water	Mud
	0%	0%	0%	1009



Lease: Pfeifer Trust #2-8

SEC: 8 TWN: 12S RNG: 25W

County: TREGO State: Kansas

Drilling Contractor: STP Drilling, LLC -

Rig 1

Elevation: 2578 EGL

Field Name: Collyer Townsite

Pool: Infield Job Number: 89

DATE

December

06 2017

DST #2 Formation: Lans "I"

Test Interval: 4045 - 4075'

Total Depth: 4075'

Time On: 06:37 12/06

Time Off: 13:39 12/06

Time On Bottom: 09:00 12/06 Time Off Bottom: 12:00 12/06

REMARKS:

Initial Flow: Blow increasing to .7 in.

Initial Shut-in: No blow. Final Flow: No blow. Final Shut-in: No blow.

Tool Sample: 100% mud



Lease: Pfeifer Trust #2-8

SEC: 8 TWN: 12S RNG: 25W

County: TREGO State: Kansas

Drilling Contractor: STP Drilling, LLC - .

Rig 1

Elevation: 2578 EGL

Field Name: Collyer Townsite

Pool: Infield Job Number: 89

DATE December

> 06 2017

DST #2 Formation: Lans "I" Test Interval: 4045 -

Total Depth: 4075'

4075'

Time On: 06:37 12/06

Time Off: 13:39 12/06

Time On Bottom: 09:00 12/06 Time Off Bottom: 12:00 12/06

Down Hole Makeup

Heads Up:

21.76 FT

Packer 1:

4039.5 FT

Drill Pipe:

3916.33 FT

Packer 2:

4045 FT

ID-3 1/2

4028.92 FT

Weight Pipe:

0 FT

Top Recorder:

ID-2 7/8

Bottom Recorder: Well Bore Size: 4073 FT

Collars:

122.19 FT

7 7/8

5/8"

ID-2 1/4

29.24 FT

Surface Choke: **Bottom Choke:**

1"

Test Tool: ID-3 1/2-FH

Safety Joint

Total Anchor: 30

Anchor Makeup

Packer Sub:

1 FT

26 FT

Perforations: (top): 4 1/2-FH

Change Over:

FT

Drill Pipe: (in anchor):

FT

ID-3 1/2

Change Over:

FT

Perforations: (below):

3 FT

4 1/2-FH



LLC

Lease: Pfeifer Trust #2-8

SEC: 8 TWN: 12S RNG: 25W

County: TREGO State: Kansas

Drilling Contractor: STP Drilling, LLC -

Rig 1

Elevation: 2578 EGL

Field Name: Collyer Townsite

Pool: Infield Job Number: 89

DATEDecember

06 2017

DST #2 Formation: Lans "I"

Test Interval: 4045 -

Total Depth: 4075'

4075'

Time On: 06:37 12/06

Time Off: 13:39 12/06

Time On Bottom: 09:00 12/06 Time Off Bottom: 12:00 12/06

Mud Properties

Mud Type: Chemical

Weight: 9.1

Viscosity: 55

Filtrate: 6.8

Chlorides: 2,100 ppm



LLC

Lease: Pfeifer Trust #2-8

SEC: 8 TWN: 12S RNG: 25 V

County: TREGO State: Kansas

Drilling Contractor: STP Drilling, LLC -

Rig 1

Elevation: 2578 EGL

Field Name: Collyer Townsite

Pool: Infield Job Number: 89

DATE December

06 2017 **DST #3** Formation: Lans "J"

Test Interval: 4080 -

Total Depth: 4095'

4095'

Time On: 22:43 12/06

Time Off: 04:53 12/07

Time On Bottom: 00:30 12/07 Time Off Bottom: 02:30 12/07

Mud Properties

Mud Type: Chemical

Weight: 9.1

Viscosity: 65

Filtrate: 6.8

Chlorides: 2,900 ppm



LLC

Lease: Pfeifer Trust #2-8

SEC: 8 TWN: 12S RNG: 25W

County: TREGO State: Kansas

Drilling Contractor: STP Drilling, LLC -

Rig 1

Elevation: 2578 EGL

Field Name: Collyer Townsite

Pool: Infield Job Number: 89

DATE December 06

2017

DST #3

Test Interval: 4080 -4095

Total Depth: 4095'

Time On: 22:43 12/06

Formation: Lans "J"

Time Off: 04:53 12/07

Time On Bottom: 00:30 12/07 Time Off Bottom: 02:30 12/07

Electronic Volume Estimate:

19'

1st Open Minutes: 30

1st Close Minutes: 30

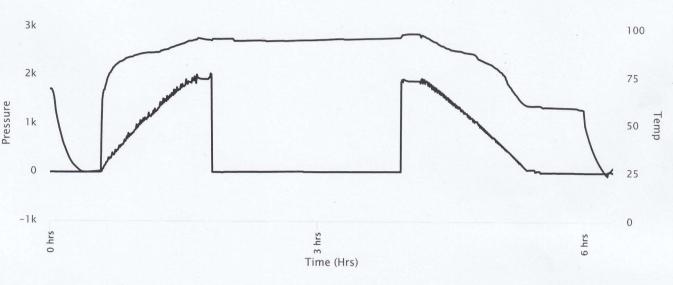
2nd Open Minutes: 30

2nd Close Minutes: 30

.6" at 30 min

0" at 30 min

0" at 30 min 0" at 30 min



— Press(Psig) - Temp(F)



Lease: Pfeifer Trust #2-8

SEC: 8 TWN: 12S RNG: 25W

County: TREGO State: Kansas

Drilling Contractor: STP Drilling, LLC -

Rig 1

Elevation: 2578 EGL

Field Name: Collyer Townsite

Pool: Infield Job Number: 89

DATE December

06 2017 **DST #3** Formation: Lans "J"

Test Interval: 4080 -4095

Total Depth: 4095'

Time On: 22:43 12/06

Time Off: 04:53 12/07

Time On Bottom: 00:30 12/07 Time Off Bottom: 02:30 12/07

Recovered

Foot	BBLS
5	0.0246

Description of Flu	id
M	

Gas	%
0	

Oil	%

Water % 0

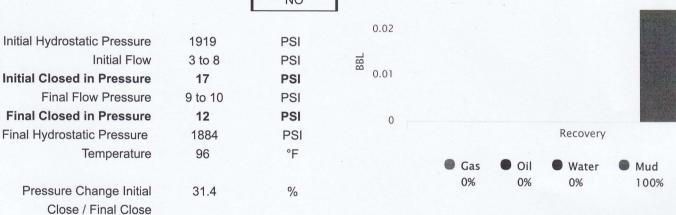
Mud % 100

Total Recovered: 5 ft

Total Ballolo I (000 Volod: 0.02 IC	Total	Barrels	Recovered:	0.0246
-------------------------------------	-------	---------	------------	--------









LLC

DST #3

Lease: Pfeifer Trust #2-8

SEC: 8 TWN: 12S RNG: 25W

County: TREGO State: Kansas

Drilling Contractor: STP Drilling, LLC -

Rig 1

Elevation: 2578 EGL

Field Name: Collyer Townsite

Pool: Infield Job Number: 89

DATE December

06 2017

Formation: Lans "J"

Test Interval: 4080 - 4095'

Total Depth: 4095'

Time On: 22:43 12/06

Time Off: 04:53 12/07

Time On Bottom: 00:30 12/07 Time Off Bottom: 02:30 12/07

REMARKS:

Initial Flow: Blow increasing to .6 in.

Initial Shut-in: No blow. Final Flow: No blow. Final Shut-in: No blow.

Tool Sample: 100% mud



Lease: Pfeifer Trust #2-8

SEC: 8 TWN: 12S RNG: 25W

County: TREGO State: Kansas

Drilling Contractor: STP Drilling, LLC -

Rig 1

Elevation: 2578 EGL

Field Name: Collyer Townsite

Pool: Infield Job Number: 89

DATE December

06

2017

DST #3 Formation: Lans "J" Test Interval: 4080 -

Total Depth: 4095'

4095'

Time On: 22:43 12/06

Time Off: 04:53 12/07

Time On Bottom: 00:30 12/07 Time Off Bottom: 02:30 12/07

Down Hole Makeup

Heads Up:

18.12 FT

Packer 1:

4074.5 FT

Drill Pipe:

3947.69 FT

Packer 2:

4080 FT

ID-3 1/2

Weight Pipe:

0 FT

Top Recorder:

4063.92 FT

ID-2 7/8

Bottom Recorder:

4093 FT

Collars:

Well Bore Size:

ID-2 1/4

122.19 FT

Surface Choke:

7 7/8 1"

29.24 FT

Bottom Choke:

5/8"

Test Tool: ID-3 1/2-FH

Safety Joint

Total Anchor:

15

Anchor Makeup

Packer Sub:

1 FT

Perforations: (top):

11 FT

4 1/2-FH

Change Over:

FT

Drill Pipe: (in anchor):

FT

ID-3 1/2

Change Over:

FT

Perforations: (below):

3 FT

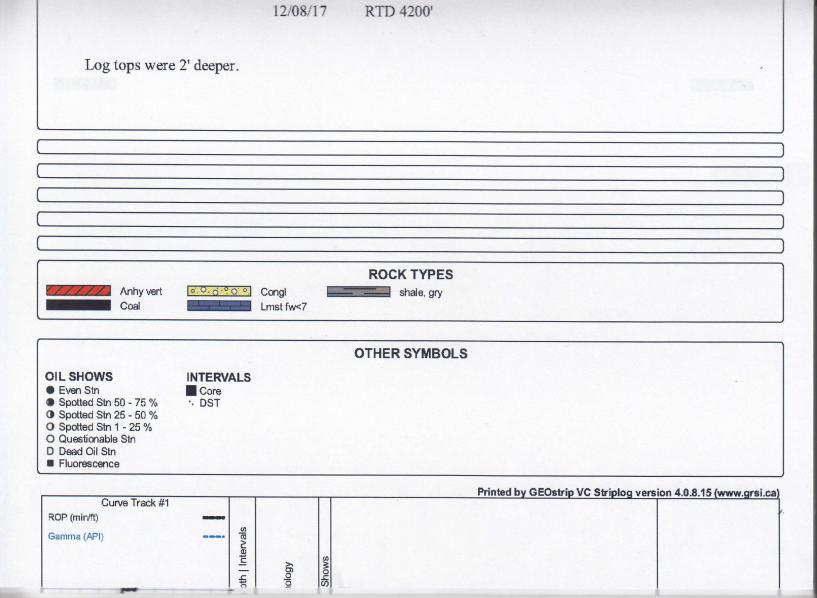
4 1/2-FH

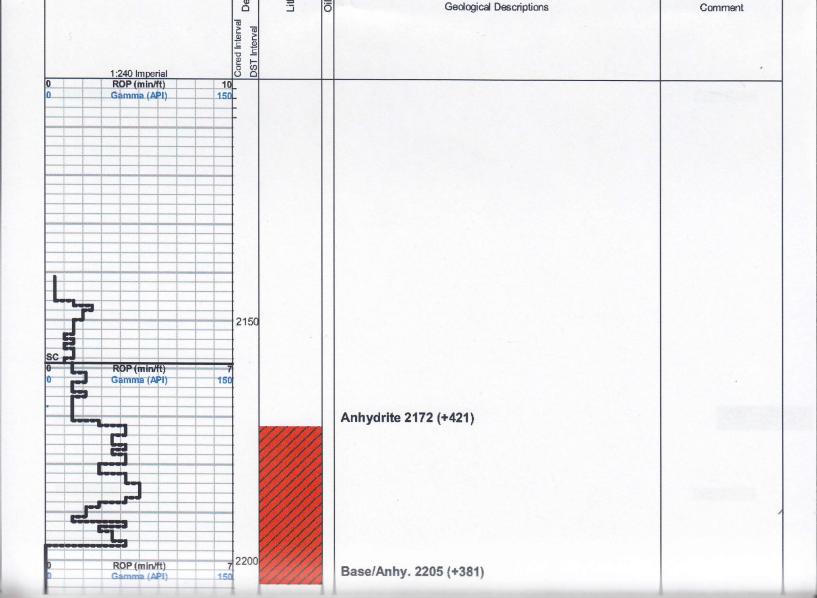
OPERATOR R.L. Investment, LLC Company: Address: 2698 JO Terrace Hill City, KS. 67642 Contact Geologist: Contact Phone Nbr: Well Name: Pfiefer Trust # 2-8 Location: Section 08-12S-25W: 531 FNL 330 API: 15-063-22317-00-00 Pool: Oil Development. Collyer Towmsite Field: State: Kansas Country: USA Scale 1:240 Imperial Well Name: Pfiefer Trust # 2-8 Surface Location: Section 08-12S-25W: 531 FNL 330 Bottom Location: N/A API: 15-063-22317-00-00 License Number: 33268 11/30/2017 Spud Date: Time: 2:15 PM Region: Trego County, Kansas **Drilling Completed:** 12/7/2017 Time: 1:11 PM Surface Coordinates: 521' FNL & 330' FEL Bottom Hole Coordinates: 2579.00ft Ground Elevation: K.B. Elevation: 2586.00ft Logged Interval: 3400.00ft To: 43000.00ft Total Depth: 0.00ft Formation: Lansing/Kansas City Drilling Fluid Type: Chemical (MudCo) SURFACE CO-ORDINATES Well Type: Vertical Longitude: Latitude: N/S Co-ord: 521' FNI

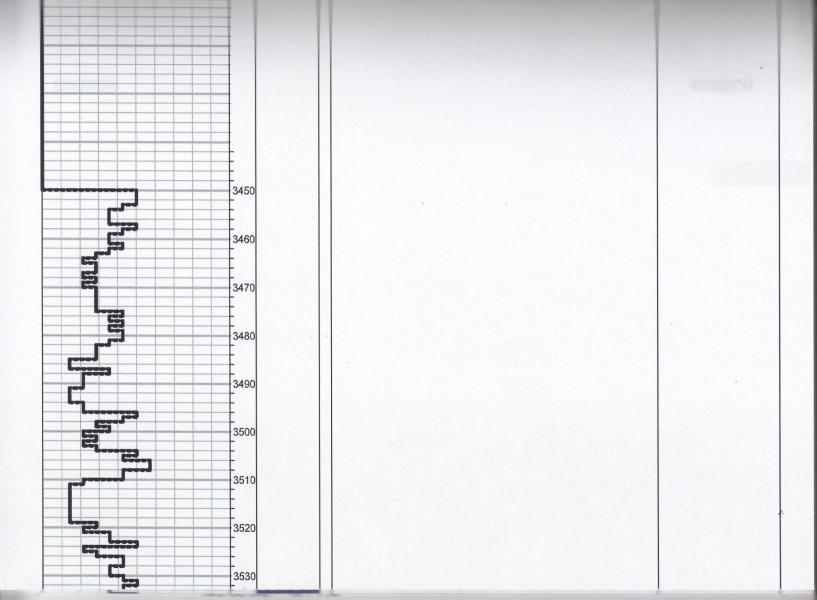
E/W Co-ord:	330' FEL				
LOGGED BY					
Company: Address:					
Phone Nbr: Logged By:	(316)-619-59 Geologist	574	Name:	Patrick J Denihan	
CONTRACTOR					
Contractor:	STP Drilling		OIX		
Rig Type: Spud Date: TD Date: Rig Release:	mud rotary 11/30/2017 12/7/2017 12/1/2017		Time: Time: Time:	2:15 PM 1:11 PM 7:00 AM	
ELEVATIONS K.B. Elevation: 2586.00ft Ground Elevation: 2579.00ft					
K.B. Elevation: 28 K.B. to Ground: 7			Ground Elevation:	2579.00ft	
		NOTES			
Surface Casing: Production Casing:	8-5/8" at 261'				
	11/30/17 12/01/17 12/02/17 12/03/1 12/04/17 12/05/17 12/06/17	SPUD @ 10 860' 2360' 3110' 3610' 3938' 4075'	D: A.M.).

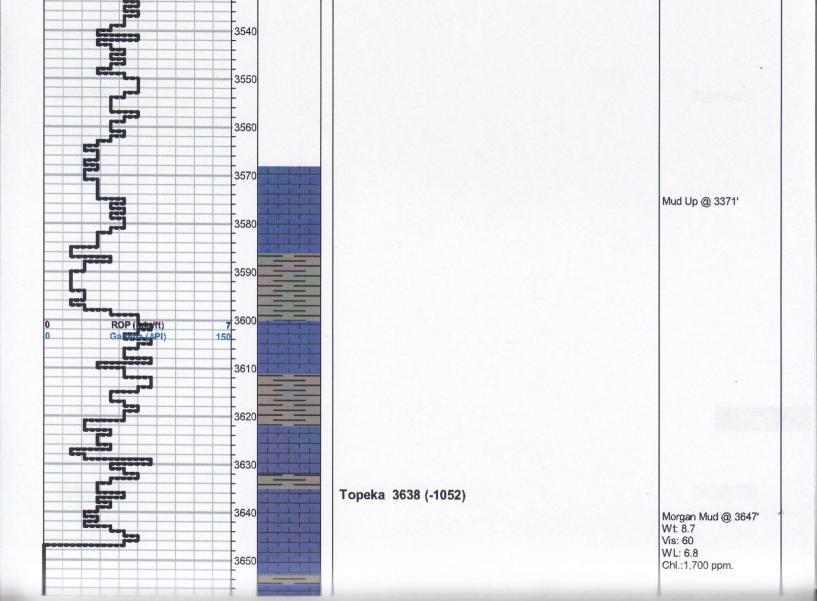
-

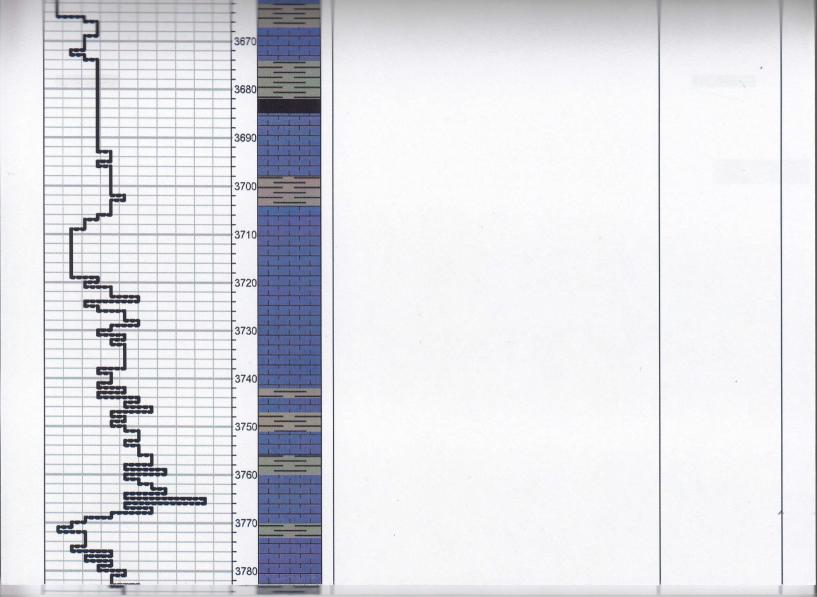
,

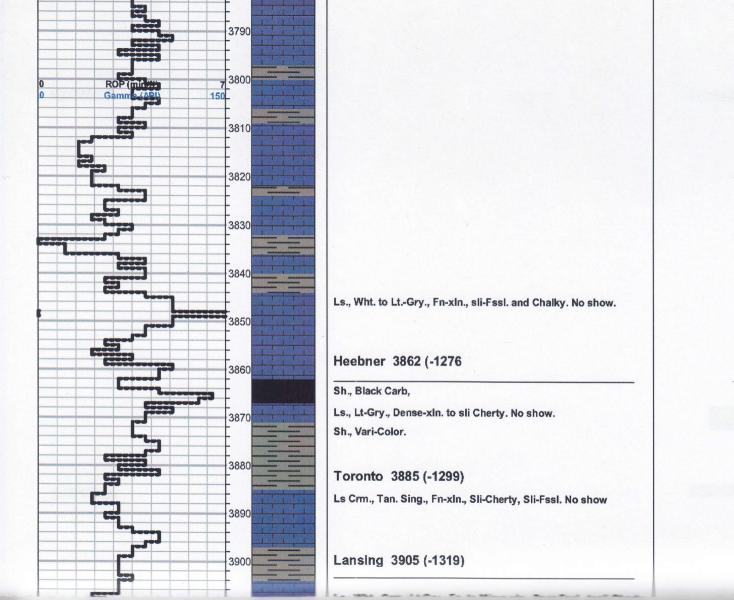


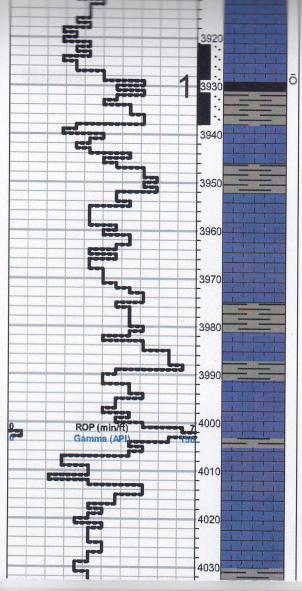












Ls., as/above becomming Chalky with depth. No show.

Sh., Black Carb.

Sh., Gry., Orange Brn,. Grn., Argil

Ls,., Wht. to Crm. Fn-xin To Med-xin., Trc of Vug., to sli-Inter -xin. Trc., Of LFO., No Odor., No Fluor. V-light edge staining on a few pcs.

Sh., Vari-Color

Ls., Crm. to Tan. Sing., Fn-xln., Sli-Fssl. Sub-Chalky to Chalky. rc. of P-ool. porosity No show.

Sh., Vari-Color.

Ls., Wht., Lt-Gry., Fn-xln., to sli-Fssl. No show.

Sh., Gry., Brn., Grn. Argil.

Ls., Crm., Tan. Fn-xln., Sli-Fssl. chalky with depth. No Show.

Sh., Vari-Color

Sh., Black Carb Ls., Crm., Lt-Gry., Sing. Fn-xln., to Micro-xln. P-Fssl. Chert, Lt-Gry. to Tan., Chalky with Depth. No Show. PIPE STRAP @ 3938' = 2.61' Long to Board.

Morgan Mud @ 3938'

Wt: 9.1 Vis: 55

WL: 6.8 Chl: :2,100ppm

> DST #1 3921-3938' 30-45-45-60"

IFP: 21-35# FFP: 20-44# SIP: 1203-1118' Hyd: 1856-1819# Temp: 98

Rec: 20' SWCM

