

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

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: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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7207
7106

TICKET NUMBER 51650
LOCATION Oakley KS
FOREMAN Jerry

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice # 809230 KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-10-16	7171	Apex Trust 1-8	8	12S	25W	Trego
CUSTOMER						
MAILING ADDRESS						
CITY						
STATE						
ZIP CODE						

CUSTOMER RL Investments
MAILING ADDRESS 2698 JO Terrace
CITY Hill City STATE KS ZIP CODE 67642

TRUCK #	DRIVER	TRUCK #	DRIVER
731	Cory D		
772 TR9	Steve O		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 256 CASING SIZE & WEIGHT 8 5/8 23
CASING DEPTH 252 DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 148 SLURRY VOL 1.24 WATER gal/sk _____ CEMENT LEFT in CASING 201
DISPLACEMENT 14 1/2 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting arrg upon STP #1 break circulation with rig loc mix 175 SKS surface blend II wash up & dis place with 14 1/2 bbl fresh water & shut in Circulated approx 3661 to pit

Cement did circulate

Thank you Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0471	1	PUMP CHARGE	1150.00	1150.00
CE0002	30	MILEAGE	7.15	214.50
CE0711	8.23	ton mileage delivery (lawn)	660.00	660.00
CC5871	175 SKS	surface blend II	23.00	4025.00
			Subtotal	6049.50
			-45% disc.	2722.28
			Subtotal	3327.22
			SALES TAX	177.19
			ESTIMATED TOTAL	3504.33

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



TICKET 29520

CHARGE TO: RL INVESTMENTS
ADDRESS
CITY, STATE, ZIP CODE

PAGE 1 OF 2

SERVICE LOCATIONS
1. Hays, KS
2. Ness City, KS
3.
4.

WELL PROJECT NO. 1-8
TICKET TYPE: SERVICE CONTRACTOR
 SALES
WELL TYPE: 0:1
INVOICE INSTRUCTIONS

LEASE: Puffer Trust
COUNTY/PARISH: Trego
RIG NAME/NO.:
JOB PURPOSE: Development Two Stage

STATE: KS
CITY:
DATE: 12-22-16
ORDER NO.:
WELL LOCATION:
WELL PERMIT NO.:
DELIVERED TO: LOCATION

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT							
575		1			50	Mi			5.00	250.00
579		1		MILEAGE TRK # 113	1	EA			1700.00	1700.00
290		1		Pump Charge - 2 STAGE	7	GAL			42.00	294.00
287		1		D-AIR	500	GAL			1.25	625.00
221		1		MUD FLOSH	2	GAL			25.00	50.00
402		1		LIQUID REL	8	EA		5 1/2	60.00	480.00
403		1		CENTRALIZER	3	EA			250.00	750.00
407		1		CEMENT BASKET	1	EA			300.00	300.00
408		1		INSERT FLOAT SHEW/AUTO FILL	1	EA			3250.00	3250.00
411		1		D.V. TOOL & PLUG SET	28	EA			45.00	1260.00
417		1		RECIPO SCATTERER	1	EA			200.00	200.00
580		1		D.V. CATCH DOWN PLUG & BAFFLE	3	Hrs			200.00	600.00
				ADDITIONAL HOURS						

REMIT PAYMENT TO:
SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: *[Signature]* TIME SIGNED: A.M. P.M.

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
WE UNDERSTOOD AND MET YOUR NEEDS?
OUR SERVICE WAS PERFORMED WITHOUT DELAY?
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

AGREE UN-DECIDED DIS-AGREE

PAGE TOTAL: 9759.00
TOTAL: 9114.50
TOTAL: 18873.50
TOTAL: 1233.46
TOTAL: 20116.96

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: David Edgerton

APPROVAL: *[Signature]*

Thank You!

JOB LOG

SWIFT Services, Inc. X

DATE 12-22-14 PAGE NO.

CUSTOMER RL Investments WELL NO. 1-8 LEASE FIBER TRUST JOB TYPE 2 STAGE TICKET NO. 29520

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2100							On location
								RTO- 4554
								TOTAL Pipe- 4208.63
								SHOE- 24.10
								SCRATCHERS- 4 EA ON JTS 1-7
								CENTRALIZERS- 123579, 43, 48
								BASKETS - 2, 11, 49
								D.V. TOOL- 49 @ 2162
	145							START Running Csg
	430							Break Circ on Bottom
	535		12			300		Pump MUD FLUSH - 500 GAL
	540		2			300		Pump KAL SPACER
			36					TAKE ON MUD
		5	0			400		START CMT
		5	42			0		END CMT
								Drop plug
	625	5	0			300		START Disp w/ WTR
		5	50			300		SWICH TO MUD
	645	5	100			800/1500		LAND PLUG - LIFT - 800 LAND - 1500
	650							Drop BOMP
	705					1500		Open D.V. TOOL
	710							CIRCULATE
	1000							Plug RAT HOLE - 30 SKS
	1005	4.5	10			300		Pump WTR SPACER
	1010	6.5	135			400		Pump CMT - 245 SMD @ 11.2 PPg
								Drop plug
	1045	5	0			200		START Disp - CMT CIRCULATING
	1055	5	50			700/1500		LAND PLUG - LIFT - 700 LAND 1500
								CIRCULATED 90 SKS CMT TO PIT
								THANKS
								DAVID, JON H, & JOHN J

Geo Log Header
WellSight Systems

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Pfeifer Trust # 1-8
API: 15-195-23013-00-00
Location: Section 8 - T12S - R25W Trego County, KS
License Number: API # 15-151-22333-0000 Region: Wildcat
Spud Date: Dec. 10, 2016 Drilling Completed: 12-22-16
Surface Coordinates: 1235' FNL & 2185' FEL (3D loc)
SE-SW-NW-NE
Bottom Hole
Coordinates:
Ground Elevation (ft): 2583' K.B. Elevation (ft): 2590'
Logged Interval (ft): 3500 To: 4550' Total Depth (ft): 4554'
Formation: Marmaton
Type of Drilling Fluid: Chemical/Polymer/Gel

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: RL INVESTMENT, LLC.
Address: 2698 J O Terrace
Hill City, KS. 67642

GEOLOGIST

Name: Patrick J. Deenihan
Company: Independent Consultant
Address: P. O. Box 781929
Wichita , KS 67278

DSTs

DST # 1 (3923'-3946') 30-45-45-60
IF: 6 1/4" Blow ; 1/4" Return.
FF: 6.0" Blow : Surface Return.

REC: 145' SMCW (93% Wtr.-9 % Mud); 60'MW (69% Wtr -31% Mud. (205' TOTAL FLUID)

IFP: 11# - 73#	FFP: 74# - 106#	CHL: 46,000ppm
ISIP: 1067#	FSIP: 1008#	RW: .25 @ 46 deg.
IHP: 1915#	FHP; 1913#	BHT: 117 deg.

DST # 2 (3947' - 3970') 30-45-45-60
IF: BOB in 6" Surface Blow Return.
FF: BOB in &.% " No Return.

REC: 95' HMCW (56% Wtr. - 44% Mud) ; 125' MCW (67% Wtr. - 33% Mud) ; 815' SMCW (98% Wtr. - 2% Mud) (1035' TOTAL FLUID)

IFP: 31# - 262#	FFP: 270# - 296#	Chl: 67,000 ppm
ISIP: 1209#	FSIP: 1197#	RW: .15 @ 56 deg.
IHP: 1934#	FHP: 1929#	BHT: 125 deg.

DST # 3 (4034' - 4080') 30-45-45-60
If: 6" Blow No Blow Back
FF: 10" Weak Surf. Blow Back

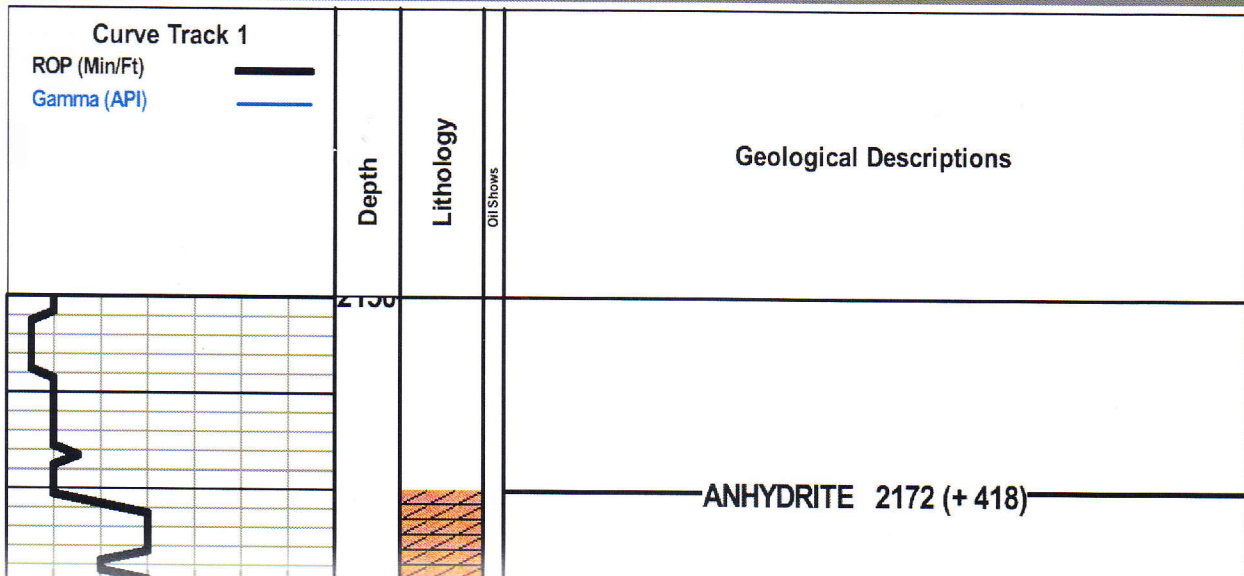
REC: 420' GIP ; 10' GO (1% Gas; 99% Oil) : 75' GSOCM (27% Gas; 13% Oil; 85% Mud) : 60' GSWOCM : (1% Gas; 21% Oil ; 5% Wtr. 73% Mud)
TOTAL FLUID = 145'

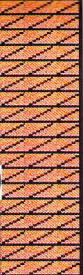
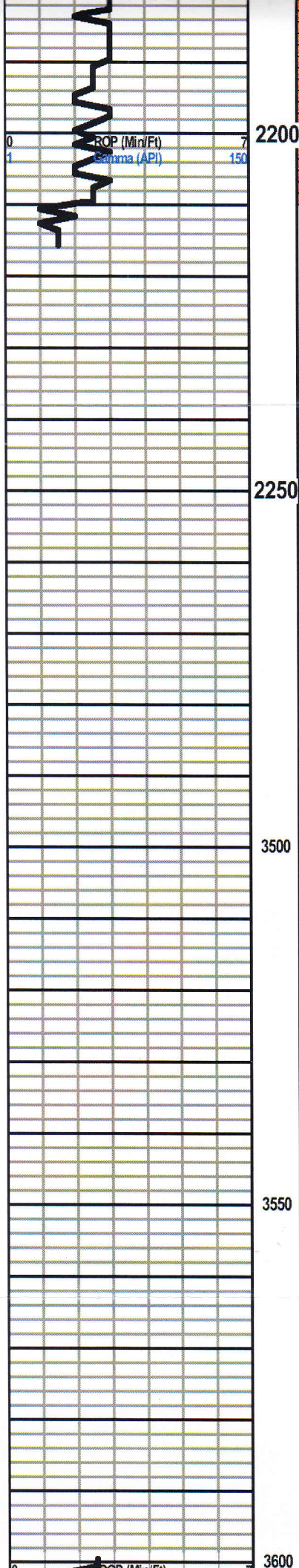
IFP; 11#/73#	FFP: 58#/76#	Grav. = 40 deg.
ISIP: 1313#	FSIP:1297#	Chlor; 22,000
IHP; 1963#	FHP; 1960#	BHT: 112 deg.

DST # 4 (4089'- 4106') 30-45-45-45
IF: Surf Blow to 3/4" No Return
FF; Surf. Blow No Return

Rec: 5' Mud with Oil streaks.

IFP: 9#-11#	FFP: 13#-13#	
ISIP: 248#	FSIP 51#	
IHP: 1983#	FHP: 1976#	BHT: 110 deg.



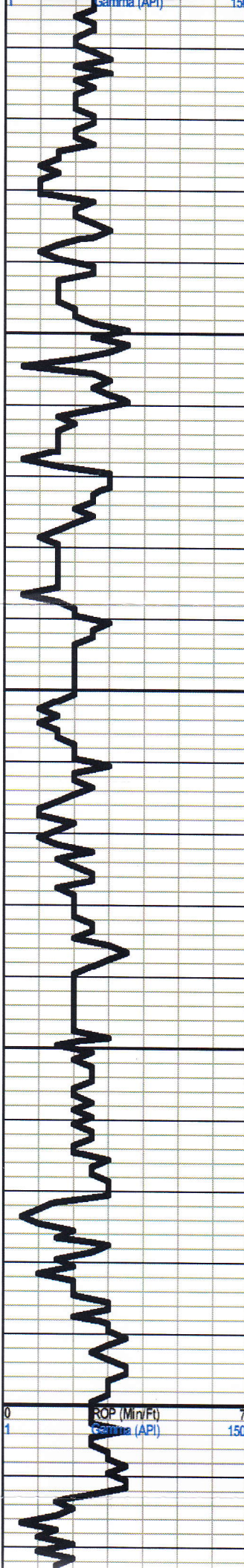


BASE/ ANHY 2210 (+ 380)

7:00 A.M. DEPTH

- 12-10-16 Spud and set Surface @ 256'
- 12-11-16 : 966'
- 12-12-16 : 2210'
- 12-13-16 : 2974'
- 12-14-16 : 3639' (Geo on Location)
- 12-15-16 : 3946'
- 12-16-16 : 3970"
- 12-17-16 : 4061' Shut Down (Weather)
- 12-18-16 : 4061. Shut Down (Weather)
- 12-19-16 : 4061'
- 12-20-16 : 4106'
- 12-21-16 : 4248'
- 12-22-16 : 4550'

Mud displaced at 3332'



TOPEKA 3643 (- 1053)

3650

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

Sh., Gry, Grn. Argil.

Ls., Tan, Gry., Fn-xln., Chalky and Ool. No show.

Sh., Gry, Dk-Gry Grn. Argil.

Ls., Wht., Gry, Sing. Fn-xln., Chalky, Fssl. No show.

Sh., Gry, Dk-Gry., Grn., Brn. Argil

Ls., Wht., Crm., Gry, Sing. Chalky, Fn-xln., Fssl. No show.

3700

Sh., Dk-Gry., Gry., Brn., Argil.

Ls., Wht., Crm., Gry Fn-xln., Fssl (Ool) sub-Chalky. No show.

Sh., Gry, Grn., Brn. Argil

Ls., Wht., Crm., Lt-Gry, Fn-xln., Fssl., (Ool) sub Chalky. No show

3750

Sh., Gry, Grn. Argil

Sh., Black Carb.

Ls., Wht., Crm., Lt-Gry, Fn-xln., Chalky and Fssl., No show.

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

Ls., Crm., Lt-Gry, Fn-xln., Fssl.(Ool), No show.

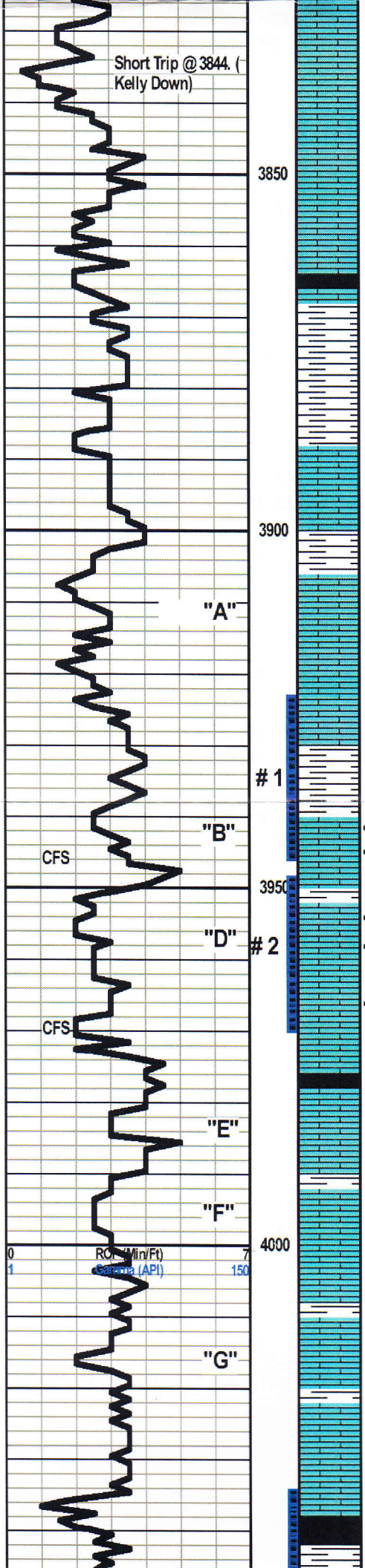
Ls., Crm., Tan., Micro to Fn-xln Trc. of Lt-Gry chert. No show.

3800

Ls., Crm., Lt-Gry, Tan. Fn-xln to Fssl- Ool., Sub- chalky. No show.

Sh., Black Carb.

Ls., as above with incr. in Fssl., Lime. No show



Ls., Wht., Crm., Fn-xln., to Abund. Fssl., Sub-Chalky. No show.

HEEBNER 3866 (-1276)

Sh., Black Carb.
 Sh., Gry., Dk-Gry., Brn., Argil. to Silty.

TORONTO 3889 (-1299)

Ls., Crm., Tan, Fn-xln., Ool. to fragmented Fssl. Trc of off Wht to Gry, Chert. No show.

LANSING 3906 (-1316)

Ls., Wht., Crm., Sing. Fn-xln, Sli-Ool., and sub Chalky No show.

Pipe Strap = 2.27' Long
 (windy). Dev. 1.75 Deg. @
 3970'

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

Ls., Crm., Tan, Fn-xln., Fssl. Sing/Mott. Ool with f-G-inter Ool Por. PP-to sli-vug. Por. Very few pcs with GSLO., Med.,-Dk. Brn., oil. scattered Black heavy oil stn to sat. No Odor. V-P-Fluor.

Ls. Crm., Tan., Lt-Gry., Fn-xln., Fssl. Ool to shallow Inter-xln., Por. Vug. in Part GSLO., Lt. Odor scat. Pcs with Sat. Stn. P-Fluor.

Ls., Wht., Crm. Sing. Fn-xln to sli-Fssl. trc. of sub-Chalky. Trc. of lt Brn. oil stn on the edges of a few pcs. V-sli-odor. No Fluor.

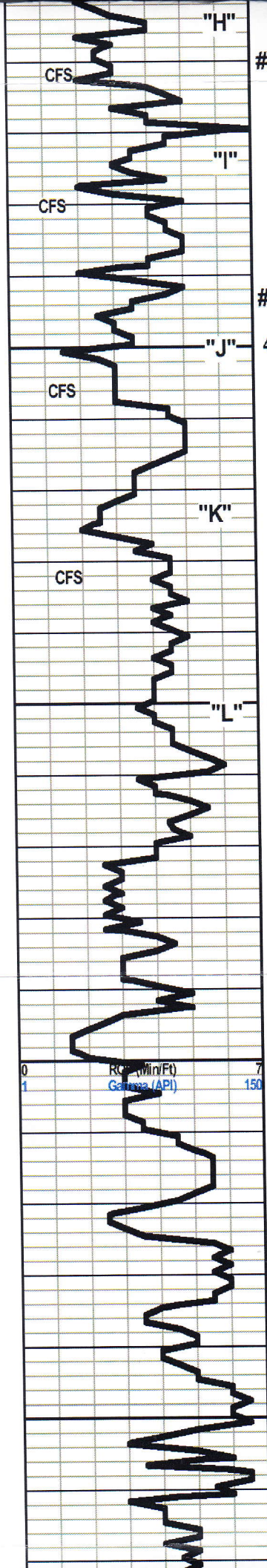
Sh., Black Carb.
 Ls., Wht., Fn-xln., Chalky No show.

Sh., Vari-colored.
 Ls., Wht., Crm., Fn-xln to Ool. and Fssl. Suc-Chalky, Scattered Brn. oil stn on edges of several pcs, trc of LFO. Very Faint odor P-Fluor.

Sh., Gry., Brn., Grn., Argil.
 Ls., Wht., Very Chalky, P-Fn-xln to sli-Fssl., trc. of fresh Trans. Chert. No Show.

Ls., as/above
 Ls., wht., Gry., Micro-xln
 Sh., Black Carb.
 Sh., Vari-color., Argil., Carb.

At 4031-Shut down rig due to weather friday evening the 16th. Began drilling on Monday Morning the 19th.



Ls., Crm., Lt-Gry, Fn-xln., Fssl., Sub-Chaiky. Ool., with inter Gran-Fssl por. Vug., in part. Trc of PP-Por. F-G Show of Live oil. Fair-SFO., light to med. Brn. Good odor. Scattered Fluor.

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

Ls., Wht., Crm., Tan, Fn-xln to Fssl. (Ool) F-G inter-xln., F-G Ool. Vug to PP-Por. F-SLFGO Good Odor Fair Fluor.

Sh., Black Carb., to abund. Vari-color Argil.

4

Ls., Crm., Wht., Micro-xln., Rare Fssl. Scattered Lt Brn to Black spotty oi stn., Sli-Odor trc of F.O.

Ls., Crm., Tan., Wht. P-G Inter-xln. Por. A few pcs. of VG-Inter-Ool Por., GSLFO. Predom. Lt to Med Brn., Scattered Black LO Scatt. to Sat Brn oil stn. Most of Black stn. is Scattered to spotty edge Stn. F-G Odor. F-Fluor Scattered to solid.

Sh., Black Carb., Lt-Med Gry, Brn., Grn., Argil.

Ls., Crm., Wht., Micro, Fn-xln., Sli-Ool. Lt to Med. Oil stn. No Free oil. Vfaint odor., No free oil, no fluor. Very poor por. Sub-Chalky with depth. Ls., Wht Fn-xln. to Fssl(Ool) barren

Sh. Gry, Dk, Gry., Brn., & Grn. Argil.

Ls., Wht., Fn-xln., Fssl., Sub-Chalky. No show.

"J" 4100

"K"

CFS

4150

BKC 4159 (- 1569)

Sh., Black Carb.
 Sh., Abund. Vari Color.

MARMATON 4174 (-1584)

Ls., Wht., Tan., Crm., Gry., Sing/Mott. Micro-Fn-xln., Sub-Chalky to Cherty., No show.

Sh., Brn., Choc-Brn., Grn., Gry-Dk-Gry, Argil., Mica.

ALTA "A" 4202 (-1612)

Ls., Wht., Gry, Tan., Sing. Fn-xln., Sub-Chalky, Cherty No Show.

Sh., Vari-Color., Argil to Gummy. Sample washes Brn.

ALTA "B" 4237 (-1647)

Ls., Wht., Tan, Gry., Sung. Dense Micro-xln., Sub-Chalky No Show

4200

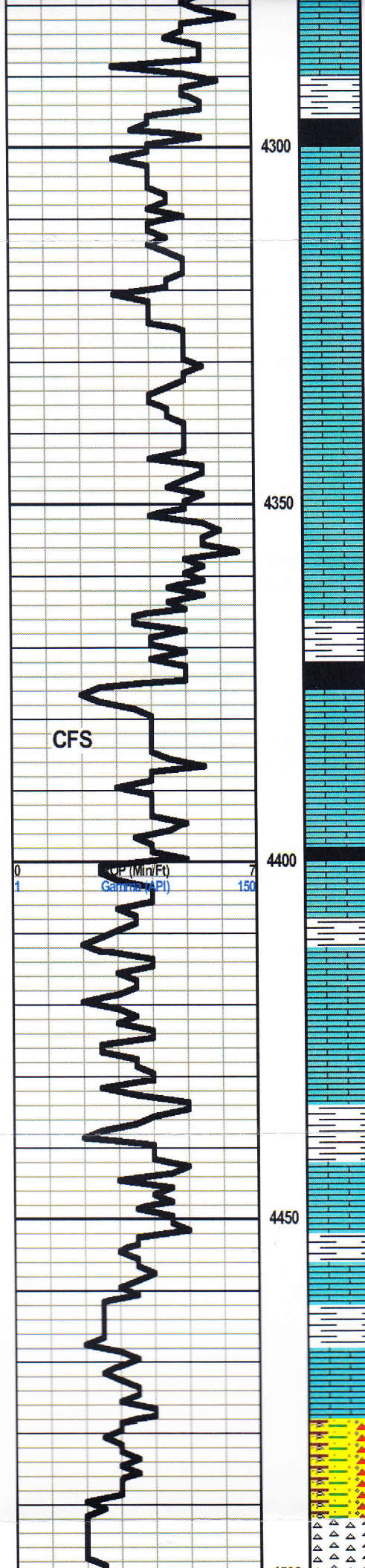
0 1 RC (Win/Pt) 7
 Gamma (API) 150

4250

Sg Gry, Brn., Lt Grn., Grn., Argil

ALTA "C" 4262 (-1672)

Ls., Gry, Tan, Micro-xln., Sing/Mott. No show



Sh., Gry., Dk-Gry., Grn., Brn. Argil.

Sh., Black Carb.

PAWNEE 4300 (-1710)

Ls., Wht., Gry Micro-xln to p-Fn-xln., Cherty Ls. Fresh to sli-weathered chert, No show.

Ls., Lt-Gry., Crm., Tan. Sing. Micro-xln dense. No show

Ls., Wht., Lt-Gry., Tan., Fn. to Micro-xln. Dense. Sub-Chalky in part. Chert Tan, Gry., off wht. No show.

Sample as above with noted incr., in varicolor. Argil Shale.

Sh., Brn., Gry., Argil. Brn Carb

Sh., Black Carb

Ft. Scott 4375 (-1785)

Ls., Crm., Gry., Sing. Fn-xln Sli-Fssl., Sub Chalky., Trc. of shallow inter-xln., and PP-por. Cemented Ool. with no vis. por. Trc., of oil strn on edges. Brn to Black Flakey. No LFO., No odor. No Oil Fluor.

Cher. SH. 4398 (-1808)

Sh., Black Carb.

Sh., Predom. Grys, sli-Vari-color., Argil to silty

Ls., Crm., Lt-Gry., Gry., Sing. Micro-xln., V-Dense, trc of Ool-Ooc. shallow Vug. por., Cherty in part fresh Tan., Gry., Wht., Yellow, Fresh. No show.

Sh., Gry., Dk-Gry., Brn., Orange to Burbt Organge, Argil

Ls., Gry., Crm., Tan., Micro-xln., sli-Cherty. No show.

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

Sh., Brn., Reddish Brn., Gry., Argil.

Chert Wht., Crm., Lt-Gry Fresh. Rare Fssl (Ool;Ooc) to sli Sucrosic., No show., Trc. of v-Fn. SS Stringers. Clusters Clear sub-rd. Semi-Friable to Free Qtz., Barren.

Sh., Abund. Vari-Color.

MISS. 4499 (-1909)



4550

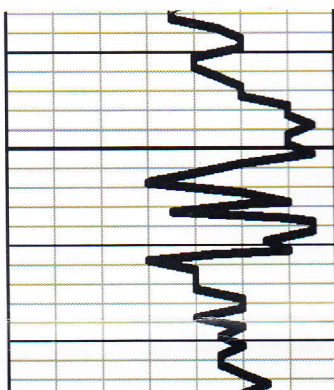


Chert, Wht., Crm. Maroon, Orange. Sing/Mott., Fresh to sil- Weath. Trc of P-Fssl Limey
Chert, No show. SS., Clear Fn., Grn. sorted sub-ang. to Sub-rd. Semi-Friable to
Friable clusters to free Qtz. Stringers. No Show.

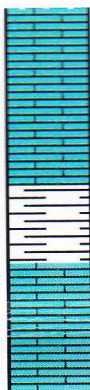
Chert Wht., Lt- Gry., Crm., Fresh, Sharp Fssl., in part. Trc of Ool shallow Vug. Por.,
No show

Chert., Wht Fresh Sharp., internally Fssl. no show.

RTD = 4550' Reached @ 5:11A.M. on 12-22-16



4250



Sg Gry, Brn., Lt Grn., Grn., Argil

ALTA. "C" 4262 (-1672)

Ls., Gry., Tan, Micro-xln., Sing/Mott. No show



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
PFEIFERTRUST1-8DST1

Company R. L. Investment, LLC Lease & Well No. Pfeifer Trust No. 1-8
Elevation 2590 KB Formation Lansing "B" Effective Pay _____ Ft. Ticket No. T582
Date 12-15-16 Sec. 8 Twp. 12S Range 25W County Trego State Kansas
Test Approved By Patrick J. Deenihan Diamond Representative Tim Venters

Formation Test No. 1 Interval Tested from 3,923 ft. to 3,946 ft. Total Depth 3,946 ft.
Packer Depth 3,918 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,923 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,909 ft. Recorder Number 5504 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 3,943 ft. Recorder Number 11029 Cap. 5,025 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor STP Drilling, LLC - Rig 1 Drill Collar Length 122 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 51 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.2 Water Loss 7.6 cc. Drill Pipe Length 3,773 ft I.D. 3 1/2 in.
Chlorides 2,500 P.P.M. Test Tool Length 28 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 23 ft. Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, 1/4 in. blow increasing to 6 1/4 ins. 1/4 in. blow back during shut-in.
2nd Open: Weak, surface blow increasing to 6 ins. Weak, surface blow back during shut-in.

Recovered 145 ft. of mud cut water = 1.486130 bbls. (Grind out: 91%-water; 9%-mud)
Recovered 60 ft. of muddy water = .295200 bbls. (Grind out: 69%-water; 31%-mud)
Recovered 205 ft. of TOTAL FLUID = 1.781330 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 94%-water; 6%-mud (Chlorides: 46,000 Ppm PH: 6.0 RW: .25 @ 46°)

Time Set Packer(s) 10:49 A.M. Time Started off Bottom 1:49 P.M. Maximum Temperature 117°
Initial Hydrostatic Pressure.....(A) 1915 P.S.I.
Initial Flow Period.....Minutes 30 (B) 11 P.S.I. to (C) 73 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 1067 P.S.I.
Final Flow Period.....Minutes 45 (E) 74 P.S.I. to (F) 106 P.S.I.
Final Closed In Period.....Minutes 60 (G) 1008 P.S.I.
Final Hydrostatic Pressure.....(H) 1913 P.S.I.

DIAMOND TESTING, LLC

TESTER : TIM VENTERS
CELL # 620-388-6333

General Information

Company Name	R. L. INVESTMENT, LLC	Job Number	T582
Contact	RANDALL PFEIFER	Representative	TIM VENTERS
Well Name	PFEIFER TRUST #1-8	Well Operator	R. L. INVESTMENT, LLC
Unique Well ID	DST #1, LANSING "B", 3923-3946	Report Date	2016/12/15
Surface Location	SEC 8-12S-25W, TREGO CO. KS.	Prepared By	TIM VENTERS
Well License Number			
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST #1, LANSING "B", 3923-3946
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2016/12/15	Start Test Time	07:09:00
Final Test Date	2016/12/15	Final Test Time	16:21:00

Gauge Name	5504
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Test Results

RECOVERED: 145' MCW, 91% WATER, 9% MUD
60' MW, 69% WATER, 31% MUD
205' TOTAL FLUID

TOOL SAMPLE: 94% WATER, 6% MUD

CHLORIDES: 46,000 ppm
PH: 6.0
RW: .25 @ 46 deg.



DIAMOND TESTING, LLC
 P.O. Box 157
HOISINGTON, KANSAS 67544
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 PFEIFERTRUST1-8DST2

Company R. L. Investment, LLC Lease & Well No. Pfeifer Trust No. 1-8
 Elevation 2590 KB Formation Lansing "D" Effective Pay _____ Ft. Ticket No. T583
 Date 12-16-16 Sec. 8 Twp. 12S Range 25W County Trego State Kansas
 Test Approved By Patrick J. Deenihan Diamond Representative Tim Venters

Formation Test No. 2 Interval Tested from 3,947 ft. to 3,970 ft. Total Depth 3,970 ft.
 Packer Depth 3,942 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3,947 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,935 ft. Recorder Number 5504 Cap. 5,000 psi.
 Bottom Recorder Depth (Outside) 3,967 ft. Recorder Number 11029 Cap. 5,025 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor STP Drilling, LLC - Rig 1 Drill Collar Length 122 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 51 Weight Pipe Length _____ ft I.D. _____ in.
 Weight 9.2 Water Loss 7.6 cc. Drill Pipe Length 3,799 ft I.D. 3 1/2 in.
 Chlorides 2,500 P.P.M. Test Tool Length 26 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number Not Run Anchor Length 23 ft Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Good, 1 in. blow increasing. Off bottom of bucket in 6 mins. Weak, surface blow back during shut-in.
 2nd Open: Good, 1 in. blow increasing. Off bottom of bucket in 7 1/2 mins. No blow back during shut-in.

Recovered 95 ft. of muddy water = 1.351850 bbls. (Grind out: 56%-water; 44%-mud)
 Recovered 125 ft. of muddy water = 1.778750 bbls. (Grind out: 67%-water; 33%-mud)
 Recovered 815 ft. of slightly mud cut water = 10.461630 bbls. (Grind out: 98%-water; 2%-mud)
 Recovered 1,035 ft. of TOTAL FLUID = 13.592230 bbls.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 100%-water (Chlorides: 67,000 Ppm PH: 5.5 RW: .15 @ 56°)

Time Set Packer(s) 4:41 A.M. Time Started off Bottom 7:41 A.M. Maximum Temperature 125°
 Initial Hydrostatic Pressure.....(A) 1934 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 31 P.S.I. to (C) 262 P.S.I.
 Initial Closed In Period.....Minutes 45 (D) 1209 P.S.I.
 Final Flow Period.....Minutes 45 (E) 270 P.S.I. to (F) 496 P.S.I.
 Final Closed In Period.....Minutes 60 (G) 1197 P.S.I.
 Final Hydrostatic Pressure.....(H) 1929 P.S.I.

DIAMOND TESTING, LLC

TESTER : TIM VENTERS
CELL # 620-388-6333

General Information

Company Name	R. L. INVESTMENT, LLC	Job Number	T583
Contact	RANDALL PFEIFER	Representative	TIM VENTERS
Well Name	PFEIFER TRUST #1-8	Well Operator	R. L. INVESTMENT, LLC
Unique Well ID	DST #2, LANSING "D", 3947-3970	Report Date	2016/12/16
Surface Location	SEC 8-12S-25W, TREGO CO. KS.	Prepared By	TIM VENTERS
Well License Number			
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST #2, LANSING "D", 3947-3970
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2016/12/16	Start Test Time	00:46:00
Final Test Date	2016/12/16	Final Test Time	10:57:00

Gauge Name	5504
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Test Results

RECOVERED: 95' MW, 56% WATER, 44% MUD
 125' MW, 67% WATER, 33% MUD
 815' SMCW, 98% WATER, 2% MUD
 1035' TOTAL FLUID

TOOL SAMPLE: 100% WATER

CHLORIDES: 67,000 ppm
 PH: 5.5
 RW: .15 @ 56 deg.



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
PFEIFERTRUST1-8DST3

Company R. L. Investment, LLC Lease & Well No. Pfeifer Trust No. 1-8
Elevation 2590 KB Formation Lansing "H" & "I" Effective Pay _____ Ft. Ticket No. T584
Date 12-19-16 Sec. 8 Twp. 12S Range 25W County Trego State Kansas
Test Approved By Patrick J. Deenihan Diamond Representative Tim Venters

Formation Test No. 3 Interval Tested from 4,034 ft. to 4,080 ft. Total Depth 4,080 ft.
Packer Depth 4,029 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,034 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,022 ft. Recorder Number 5504 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,077 ft. Recorder Number 11029 Cap. 5,025 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor STP Drilling, LLC - Rig 1 Drill Collar Length 122 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 42 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.4 Water Loss 8.3 cc. Drill Pipe Length 3,886 ft I.D. 3 1/2 in.
Chlorides 3,200 P.P.M. Test Tool Length 26 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 46 ft. Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 6 ins. No blow back during shut-in.
2nd Open: Weak, surface blow increasing to 10 ins. Weak, surface blow back during shut-in.

Recovered 420 ft. of gas in pipe
Recovered 10 ft. of slightly gas cut oil = .142300 bbls. (Grind out: 1%-gas; 99%-oil) Gravity: 40 @ 60°
Recovered 75 ft. of slightly gas cut, oil cut mud = .490030 bbls. (Grind out: 2%-gas; 13%-oil; 85%-mud)
Recovered 60 ft. of slightly gas & water cut, oil cut mud = .295200 bbls. (Grind out: 1%-gas; 21%-oil; 5%-water; 73%-mud)
Recovered 145 ft. of TOTAL FLUID = .927530 bbls.
Recovered _____ ft. of _____
Remarks Tool Sample Grind Out: 35%-oil; 18%-water; 47%-mud (Chlorides: 22,000 Ppm PH: 7.0 RW: .40 @ 50°)

Time Set Packer(s) 5:25 P.M. Time Started off Bottom 8:25 P.M. Maximum Temperature 112°
Initial Hydrostatic Pressure.....(A) 1963 P.S.I.
Initial Flow Period.....Minutes 30 (B) 11 P.S.I. to (C) 73 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 1313 P.S.I.
Final Flow Period.....Minutes 45 (E) 58 P.S.I. to (F) 76 P.S.I.
Final Closed In Period.....Minutes 60 (G) 1297 P.S.I.
Final Hydrostatic Pressure.....(H) 1960 P.S.I.

DIAMOND TESTING, LLC

TESTER : TIM VENTERS
CELL # 620-388-6333

General Information

Company Name	R. L. INVESTMENT, LLC	Contact	RANDALL PFEIFER	Job Number	T584
Well Name	PFEIFER TRUST #1-8	Well Operator	R. L. INVESTMENT, LLC	Representative	TIM VENTERS
Unique Well ID	DST #3, LANSING "H&I", 4034-4080	Report Date	2016/12/19	Well License Number	
Surface Location	SEC 8-12S-25W, TREGO CO. KS.	Prepared By	TIM VENTERS	Field	WILDCAT
Well Type	Vertical				

Test Information

Test Type	CONVENTIONAL
Formation	DST #3, LANSING "H&I", 4034-4080
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2016/12/19	Start Test Time	14:26:00
Final Test Date	2016/12/19	Final Test Time	23:39:00

Gauge Name	5504
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Test Results

RECOVERED: 420' GAS IN PIPE
 10' SGCO, 1% GAS, 99% OIL, GRAVITY: 40
 75' SGC,OCM, 2% GAS, 13% OIL, 85% MUD
 60' SG&WC,OCM, 1% GAS, 21% OIL, 5% WATER, 73% MUD
 145' TOTAL FLUID

TOOL SAMPLE: 35% OIL, 18% WATER, 47% MUD

CHLORIDES: 22,000 ppm
 PH: 7.0
 RW: .40 @ 50 deg.



DIAMOND TESTING, LLC
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 PFEIFERTRUST1-8DST4

Company R. L. Investment, LLC Lease & Well No. Pfeifer Trust No. 1-8
 Elevation 2590 KB Formation Lansing "J" Effective Pay _____ Ft. Ticket No. T585
 Date 12-20-16 Sec. 8 Twp. 12S Range 25W County Trego State Kansas
 Test Approved By Patrick J. Deenihan Diamond Representative Tim Venters

Formation Test No. 4 Interval Tested from 4,089 ft. to 4,106 ft. Total Depth 4,106 ft.
 Packer Depth 4,084 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 4,089 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,077 ft. Recorder Number 5504 Cap. 5,000 psi.
 Bottom Recorder Depth (Outside) 4,103 ft. Recorder Number 11029 Cap. 5,025 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor STP Drilling, LLC - Rig 1 Drill Collar Length 122 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 54 Weight Pipe Length _____ ft I.D. _____ in.
 Weight 9.4 Water Loss 7.6 cc. Drill Pipe Length 3,939 ft I.D. 3 1/2 in.
 Chlorides 3,500 P.P.M. Test Tool Length 26 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number Not Run Anchor Length 19 ft. Size 4 1/2-FH in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 3/4 in. No blow back during shut-in.
 2nd Open: Weak, surface blow throughout. No blow back during shut-in.

Recovered 5 ft. of drilling mud = .024600 bbls.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks Tool Sample Grind Out: Specks-oil; 100%-drilling mud

Time Set Packer(s) 11:21 A.M. Time Started off Bottom 2:06 P.M. Maximum Temperature 110°
 Initial Hydrostatic Pressure.....(A) 1983 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 9 P.S.I. to (C) 11 P.S.I.
 Initial Closed In Period.....Minutes 45 (D) 248 P.S.I.
 Final Flow Period.....Minutes 45 (E) 13 P.S.I. to (F) 13 P.S.I.
 Final Closed In Period.....Minutes 45 (G) 51 P.S.I.
 Final Hydrostatic Pressure.....(H) 1976 P.S.I.

DIAMOND TESTING, LLC**TESTER : TIM VENTERS
CELL # 620-388-6333****General Information**

Company Name	R. L. INVESTMENT, LLC	Job Number	T585
Contact	RANDALL PFEIFER	Representative	TIM VENTERS
Well Name	PFEIFER TRUST #1-8	Well Operator	R. L. INVESTMENT, LLC
Unique Well ID	DST #4, LANSING "J", 4089-4106	Report Date	2016/12/20
Surface Location	SEC 8-12S-25W, TREGO CO. KS.	Prepared By	TIM VENTERS
Well License Number			
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST #4, LANSING "J", 4089-4106
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2016/12/20	Start Test Time	08:45:00
Final Test Date	2016/12/20	Final Test Time	16:19:00

Gauge Name	5504
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Test Results

RECOVERED: 5' DRILLING MUD

TOOL SAMPLE: SPECKS OIL, 100% DRILLING MUD