KOLAR Document ID: 1567365

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:	SecTwpS. R		
Address 2:	Feet from North / South Line of Section		
City: State: Zip:+	Feet from		
Contact Person:	Footages Calculated from Nearest Outside Section Corner:		
Phone: ()	□NE □NW □SE □SW		
CONTRACTOR: License #	GPS Location: Lat:, Long:		
Name:	(e.g. xx.xxxxx) (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:		
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:		
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:		
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet		
CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No		
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	Duilling Flyid Management Dlen		
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)		
	Chloride content: ppm Fluid volume: bbls		
Commingled Permit #:	Dewatering method used:		
Dual Completion Permit #:			
SWD Permit #:	Location of fluid disposal if hauled offsite:		
EOR Permit #:	Operator Name:		
GSW Permit #:	Lease Name: License #:		
	Quarter Sec TwpS. R		
Spud Date or Date Reached TD Completion Date or 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 Approved by: Date:				

KOLAR Document ID: 1567365

#### 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	Thoroughbred Associates L.L.C.	
Well Name	PERRY TRUST 1-30	
Doc ID	1567365	

## All Electric Logs Run

Dual Induction
Neutron
Micro
Sonic

Form	ACO1 - Well Completion	
Operator	Thoroughbred Associates L.L.C.	
Well Name	PERRY TRUST 1-30	
Doc ID	1567365	

## 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	24	361	common	3% CC 2% gel

## **GEOLOGIST REPORT**

## **WellSight Systems**

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

Well Name: Perry Trust #1-30

API: 15-203-20365-00-00

Location: SE NW SW NW Sec. 30-18S-37W (Wichita Co)

License Number: 31514 Region: KANSAS Spud Date: 3/2/2021 Drilling Completed: 3/12/21

Surface Coordinates: 1949' FNL & 556' FWL

**Bottom Hole** 

Coordinates:

Ground Elevation (ft): 3337 K.B. Elevation (ft): 3346 Logged Interval (ft): 3700 To: RTD Total Depth (ft): 4995

Formation:

Type of Drilling Fluid: Mud-Co Chemical

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

#### **OPERATOR**

Company: Thoroughbred Associates Address: 8100 E 22nd St., Suite 600

Wichita, KS 67226

#### **GEOLOGIST**

Name: Andrew Stenzel
Company: Petroleum Geologist
Address: 501 S. Franklin

Ness City, KS 67560

#### **Drilling Report**

#### **DAILY DRILLING REPORT:**

3/2/21 MIRU

3/3/21 Ran surface casing

3/4/21 Drilling @ 576'

3/5/21 Drilling @ 2605'

3/6/21 Circulating @ 3600'

3/7/21 Drilling @ 4060'

3/8/21 Tripping out for DST #1

3/9/21 Drilling @ 4520', DST #2

3/10/21 Drilling @ 4587'

3/11/21 Drilling @ 4906', ran electric logs

3/12/21 Plugged & Abandoned

#### Services

RIG: Duke Drilling Co., Rig #4

**MUD: MUDCO** 

LOGS: ELI Wireline; CNDL, DIL, ML, SL

## **Casing Record**

SURFACE Casing: Ran 8 jts 8 5/8", 24# casing @ 361'.

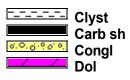
**PRODUCTION Casing: None** 

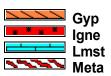
## **Formation Tops**

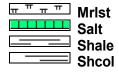
Sample To	ops	LogTops	S
Anhy.	2410 (+936)	Anhy.	2404 (+942)
Topeka	3744 (-398)	Heebner	3747 (-401)
Heebner	3930 (-584)	Topeka	3930 (-584)
Lansing	3982 (-636)	Lansing	3978 (-632)
LKC D	4082 (-736)	LKC D	4081 (-735)
Muncie Cr	4170 (-824)	Muncie Cr	4175 (-829)
Stark Sh	4280 (-934)	Stark Sh	4282 (-936)
BKC	4388 (-1042)	BKC	4386 (-1040)
Marmaton	4436 (-1090)	Marmaton	4437 (-1091)
Pawnee	4526 (-1180)	Pawnee	4530 (-1184)
Ft. Scott	4557 (-1211)	Ft. Scott	4558 (-1212)
Cher. Sh.	4572 (-1226)	Cher. Sh.	4572 (-1226)
Johnson	4676 (-1330)	Johnson	4680 (-1334)
Morrow Sh.	4791 (-1445)	Morrow Sh.	4796 (-1450)
Miss.	4931 (-1585)	Miss.	4934 (-1588)
RTD	4995 (-1649)	LTD	4996 (-1650)

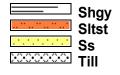














Thoroughbred Resoures

8100 E 22nd St Ste 600 Wichita, Ks 67226

ATTN: Andrew Stenzel

30-18s-37w Wichita, Ks

Perry Trust 1-30

Job Ticket: 66799

DST#: 1

Test Start: 2021.03.07 @ 23:04:12

#### GENERAL INFORMATION:

Formation: LKC H-i

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:05:42

Time Test Ended: 07:42:42

Interval: 4187.00 ft (KB) To 4241.00 ft (KB) (TVD)

Total Depth: 4241.00 ft (KB) (TVD)

Hole Diameter: 7.88 inchesHole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Reference Bevations: 3346.00 ft (KB)

3337.00 ft (CF)

8000.00 psig

KB to GR/CF: 9.00 ft

Serial #: 8674 Outside

Press@RunDepth: 42.68 psig @ 4188.00 ft (KB) Capacity:

Start Date: 2021.03.07 End Date: 2021.03.08 Last Calib.: 2021.03.08

Start Time: 23:04:17 End Time: 07:42:42 Time On Btm:

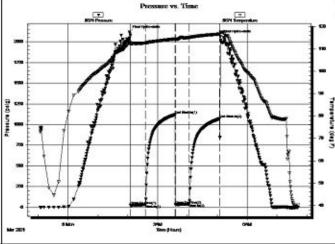
Time Off Btm: 2021.03.08 @ 02:03:42

DRESSLIDE SLIMMARY

TEST COMMENT: IF: 1/2 blow built to 1.

IS: No return.

FF: Surface blow built to 1/4. FS: No return. 30-60-30-60



Time	Pressure	Temp	Annotation	
(Mn.)	(psig)	(deg F)		
0	2116.98	112.72	Final Hydro-static	
2	25.05	112.20	Open To Flow (1)	
32	32.05	112.64	Shut-In(1)	
92	1118.71	114.45	End Shut-In(1)	
92	33.75	114.12	Open To Flow (2)	
120	42.68	115.07	Shut-In(2)	
181	1069.03	116.64	End Shut-In(2)	
183	2062.34	117.53	Final Hydro-static	

## Recovery

Length (ft)	Description	Volume (bbl)	
20.00	mud 100%m	0.10	
		**	
	+		
		- 70	

Gas	Ra	tes

Choie (inches)	Pressure (psig)	Gas Rate (Mct/d)

Trilobite Testing, Inc Ref. No: 66799 Printed: 2021.03.08 @ 07:51:46



Thoroughbred Resoures

8100 E 22nd St Ste 600 Wichita, Ks 67226

ATTN: Andrew Stenzel

30-18s-37w Wichita, Ks

Perry Trust 1-30

Job Ticket: 66800

DST#: 2

Test Start: 2021.03.09 @ 16:32:19

#### GENERAL INFORMATION:

Formation: Pawnee Pt Scott

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:24:19 Time Test Ended: 01:31:49

Interval:

4512.00 ft (KB) To 4575.00 ft (KB) (TVD)

Total Depth: 4575.00 ft (KB) (TVD)

Hole Diameter: 7.88 inchesHole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Reference Bevations: 3346.00 ft (KB)

3337.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8674 Outside

Press@RunDepth: 28.99 psig @ 4513.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2021.03.09
 End Date:
 2021.03.10
 Last Calib.:
 2021.03.10

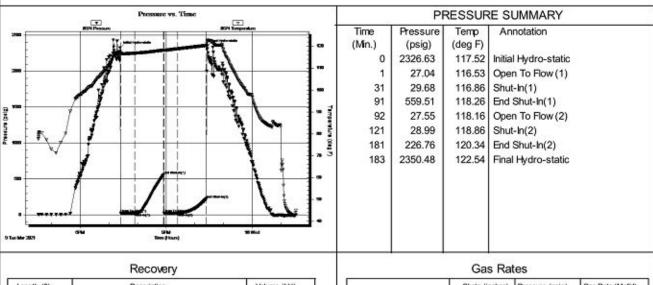
 Start Time:
 16:32:24
 End Time:
 01:31:49
 Time On Btm:
 2021.03.09 @ 19:23:19

Time Off Btm: 2021.03.09 @ 22:25:49

TEST COMMENT: IF: 1/2 blow died in 30 min.

IS: No return. FF: No blow.

FS: No return. 30-60-30-60

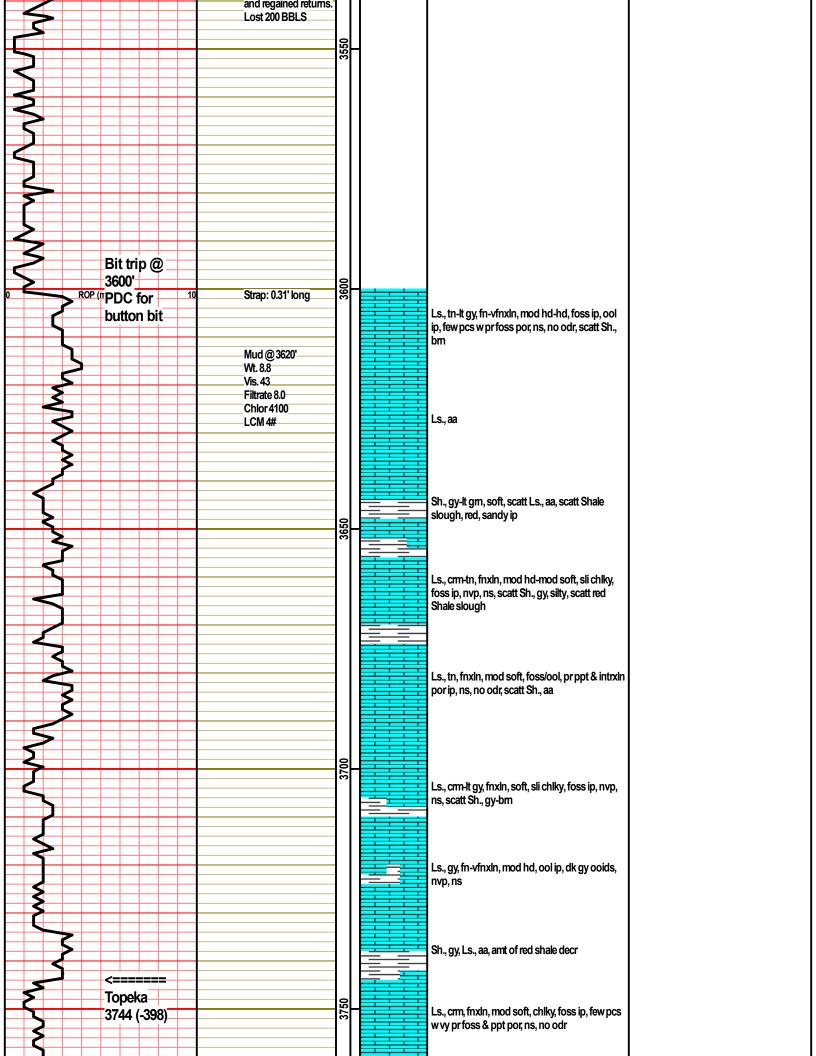


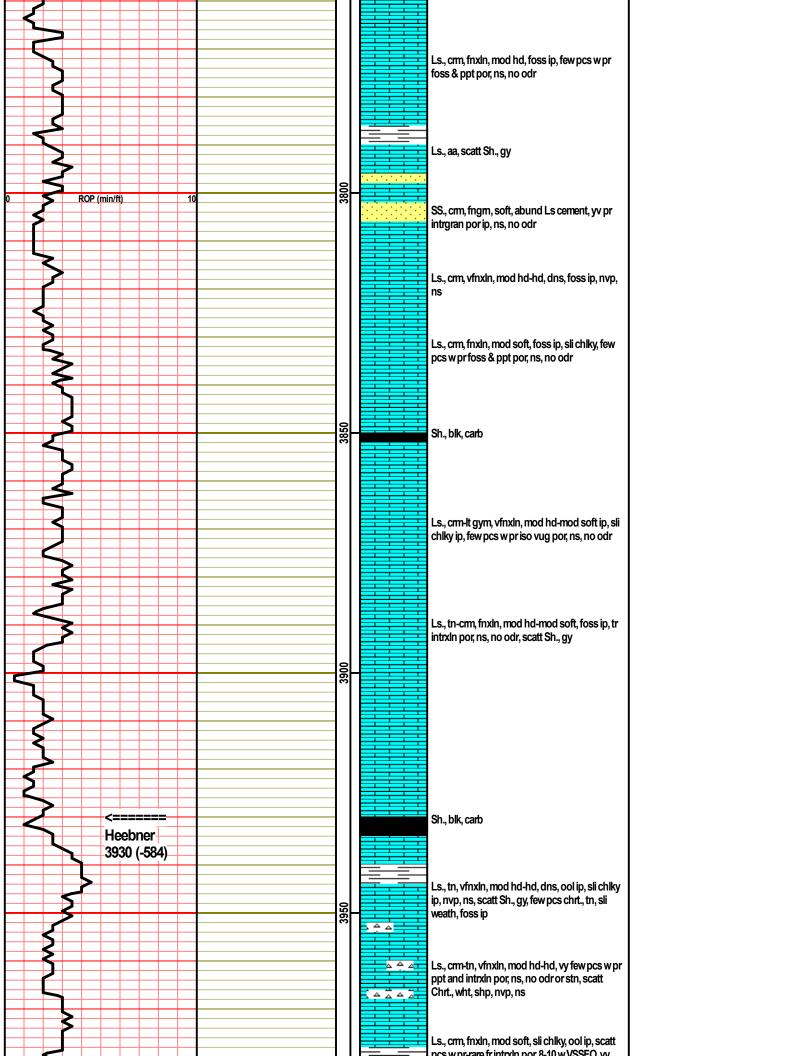
Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05
	+	-+
		- 1

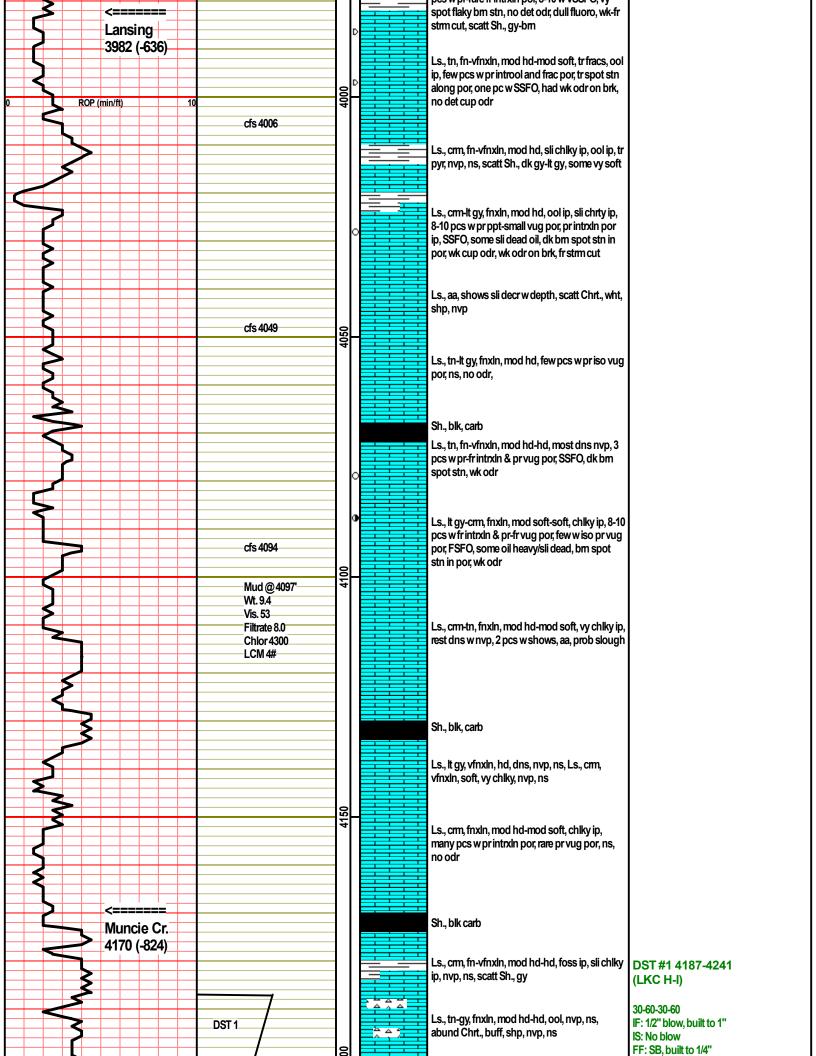
	Choie (inch	es) Pressure (psig)	Gas Rate (Mct/d)

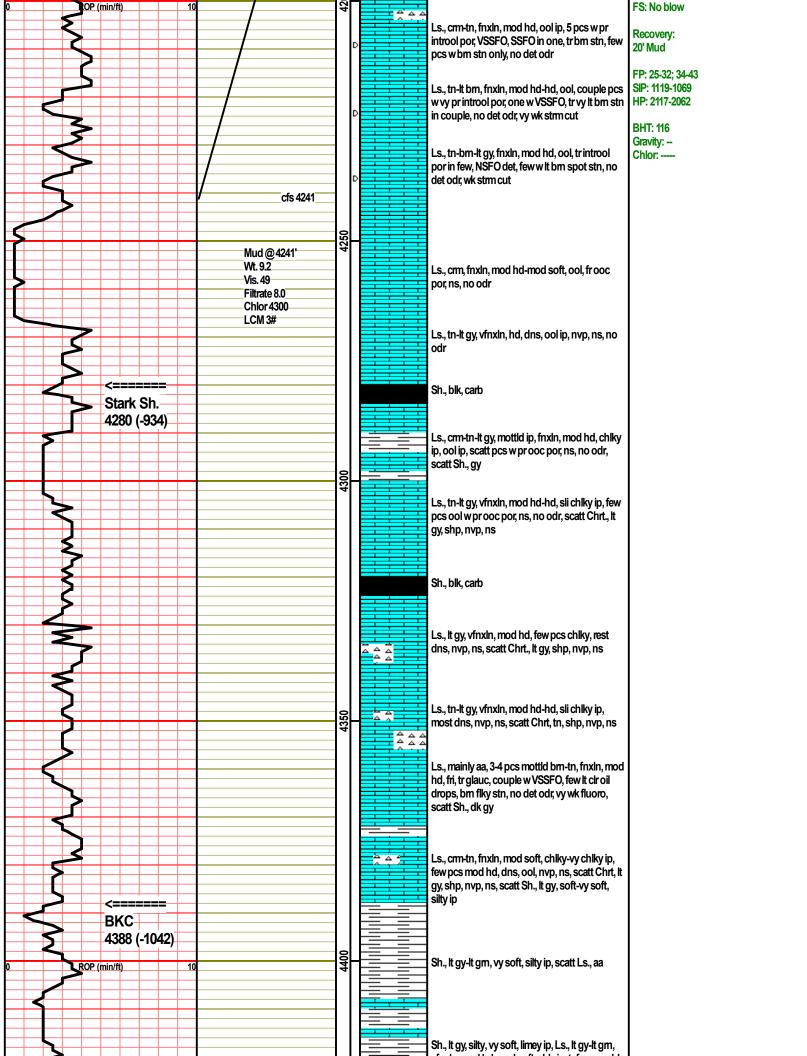
Trilobite Testing, Inc Ref. No: 66800 Printed: 2021.03.10 @ 07:12:16

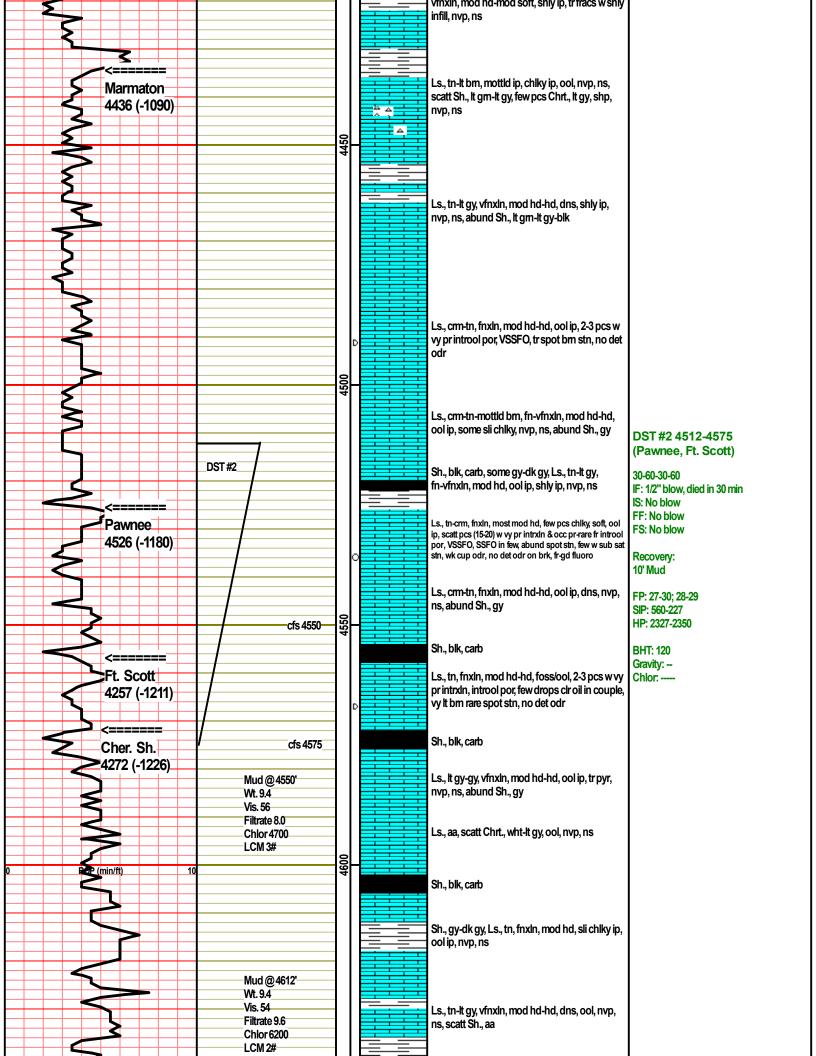
F	ROP (	(min/	/ft)	R	OΡ		_		_	Misc	MD	s	% Lithology	Geological Descriptions	DST
0			F	ROP (	min/f	t)			10		33	1			
				20D /					40	2400	3400				
0				ROP (	min/T	()			10		,				
性		5			<=		 ===	<u> </u>							
					Ar	hy	_	+							
		>			-24	10	(+9;	36)							
F	_	>													
H															
Ħ															
Ħ															
											o				
Ė										2450	3450				
F										Dev. Surveys:	3500	$\dashv$			
H										365: 1/2 1915: 3/4					
1										2408: 3/4 3600: 1					
H										4241: 3/4 4575: 1/2					
Ħ										4995: 1 1/4					
										ost Circulation @					
L										Lost Circulation @ 3300'. Mudded up					

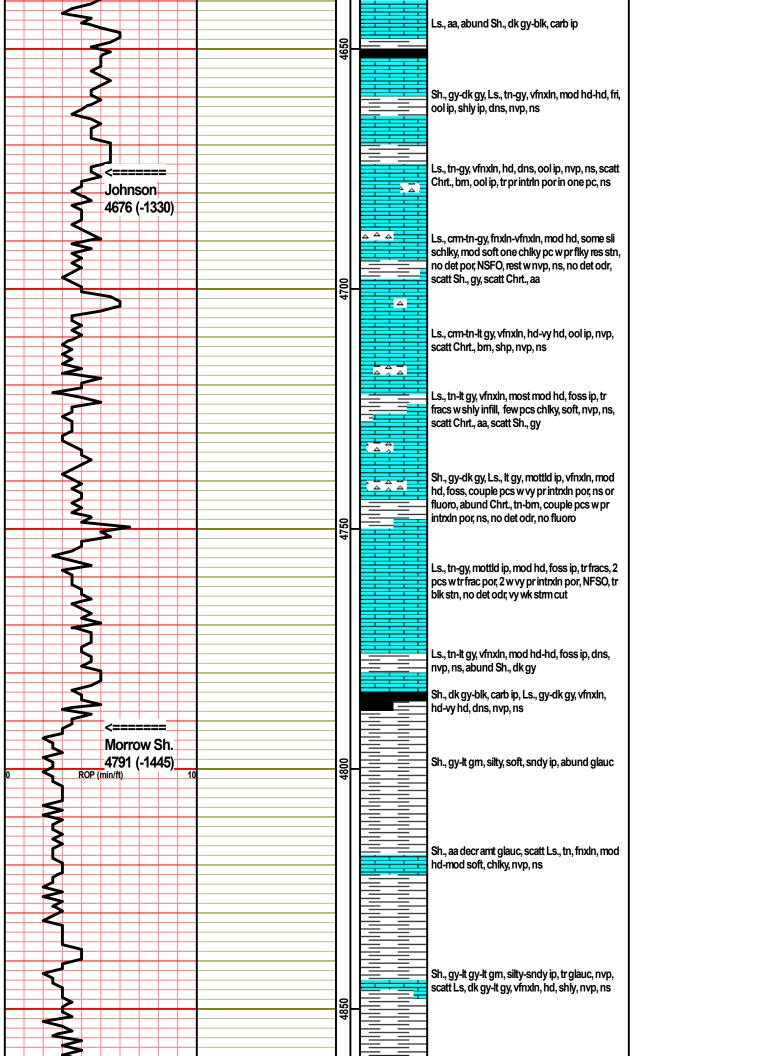


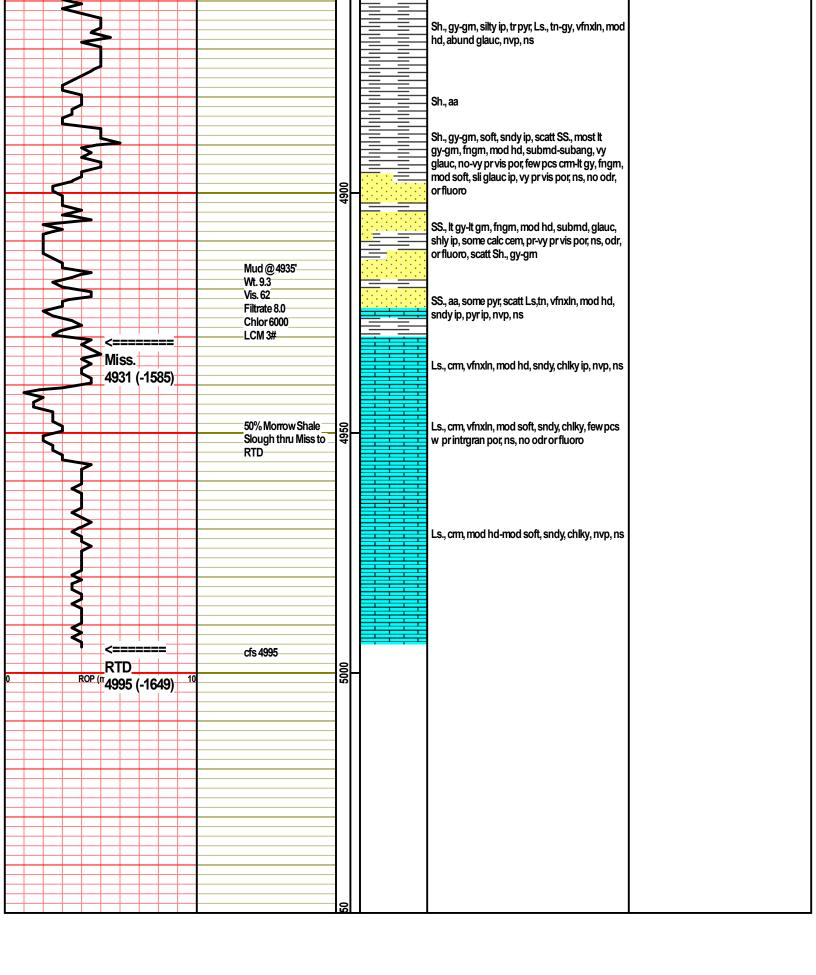














Thoroughbred Resoures

Perry Trust 1-30

Tester:

Unit No:

8100 E 22nd St Ste 600 Wichita, Ks 67226

Job Ticket: 66799 **DST#:1** 

**Brandon Turley** 

3337.00 ft (CF)

30-18s-37w Wichita, Ks

ATTN: Andrew Stenzel Test Start: 2021.03.07 @ 23:04:12

#### **GENERAL INFORMATION:**

Formation: LKC H-i

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 02:05:42 Time Test Ended: 07:42:42

Interval: 4187.00 ft (KB) To 4241.00 ft (KB) (TVD) Reference ⊟evations: 3346.00 ft (KB)

Total Depth: 4241.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 9.00 ft

Table Statistics.

Serial #: 8674 Outside

 Press@RunDepth:
 42.68 psig @ 4188.00 ft (KB)
 Capacity:
 8000.00 psig

Start Date: 2021.03.07 End Date: 2021.03.08 Last Calib.: 2021.03.08

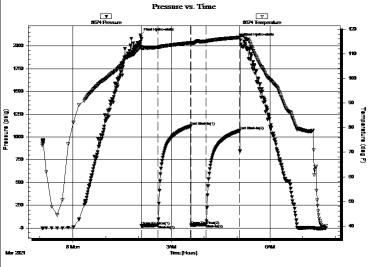
Start Time: 23:04:17 End Time: 07:42:42 Time On Btm:

Time Off Btm: 2021.03.08 @ 02:03:42

TEST COMMENT: IF: 1/2 blow built to 1.

IS: No return.

FF: Surface blow built to 1/4. FS: No return. 30-60-30-60



		PI	RESSUR	E SUMMARY
1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	0	2116.98	112.72	Final Hydro-static
	2	25.05	112.20	Open To Flow (1)
	32	32.05	112.64	Shut-In(1)
۱.	92	1118.71	114.45	End Shut-In(1)
	92	33.75	114.12	Open To Flow (2)
	120	42.68	115.07	Shut-In(2)
	181	1069.03	116.64	End Shut-In(2)
'	183	2062.34	117.53	Final Hydro-static

## Recovery

Description	Volume (bbl)
mud 100%m	0.10
	·

Gas Ra	ates	
Choke (inches)	Proceure (peig)	Gas Pate (Mof/d)

Trilobite Testing, Inc Ref. No: 66799 Printed: 2021.03.08 @ 07:51:46



Thoroughbred Resoures

30-18s-37w Wichita, Ks

8100 E 22nd St Ste 600 Wichita, Ks 67226

Perry Trust 1-30

Reference ⊟evations:

Job Ticket: 66799

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2021.03.07 @ 23:04:12

#### **GENERAL INFORMATION:**

Formation: LKC H-i

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:05:42 Time Test Ended: 07:42:42

Interval:

Start Date:

4187.00 ft (KB) To 4241.00 ft (KB) (TVD)

Total Depth: 4241.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good Test Type: Conventional Bottom Hole (Initial) Tester: **Brandon Turley** 

3346.00 ft (KB)

3337.00 ft (CF) KB to GR/CF: 9.00 ft

Serial #: 8790 Inside

Press@RunDepth: 4188.00 ft (KB) psig @

8000.00 psig Capacity: End Date: 2021.03.08 Last Calib.: 2021.03.08

2021.03.07 Start Time: 23:04:58 End Time: Time On Btm: 07:43:23

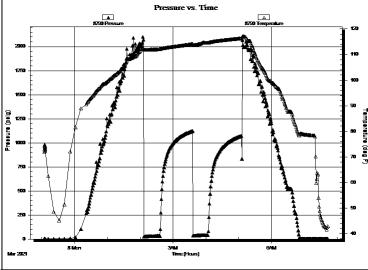
Time Off Btm:

Unit No:

TEST COMMENT: IF: 1/2 blow built to 1.

IS: No return.

FF: Surface blow built to 1/4. FS: No return. 30-60-30-60



Р	RESSU	RE	SUM	IMARY	
					-

1	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
ľ				
Temperature (deg F)				
3				

#### Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud 100%m	0.10

#### Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Ref. No: 66799 Trilobite Testing, Inc Printed: 2021.03.08 @ 07:51:46



**FLUID SUMMARY** 

Thoroughbred Resoures

30-18s-37w Wichita, Ks

8100 E 22nd St Ste 600 Wichita, Ks 67226 Perry Trust 1-30

Job Ticket: 66799

Serial #:

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2021.03.07 @ 23:04:12

#### **Mud and Cushion Information**

7.99 in<sup>3</sup>

Mud Type:Gel ChemCushion Type:Oil API:0 deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:0 ppm

Viscosity: 53.00 sec/qt Cushion Volume: bbl

Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 4300.00 ppm Filter Cake: 1.00 inches

#### **Recovery Information**

Water Loss:

#### Recovery Table

Length ft	Description	Volume bbl
20.00	mud 100%m	0.098

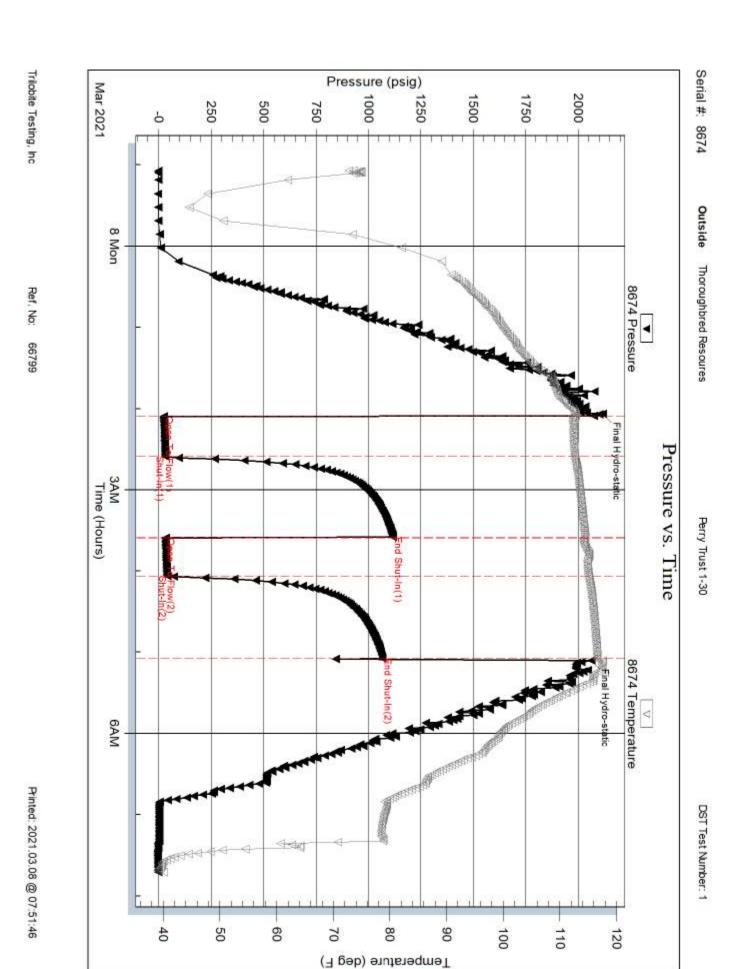
Total Length: 20.00 ft Total Volume: 0.098 bbl

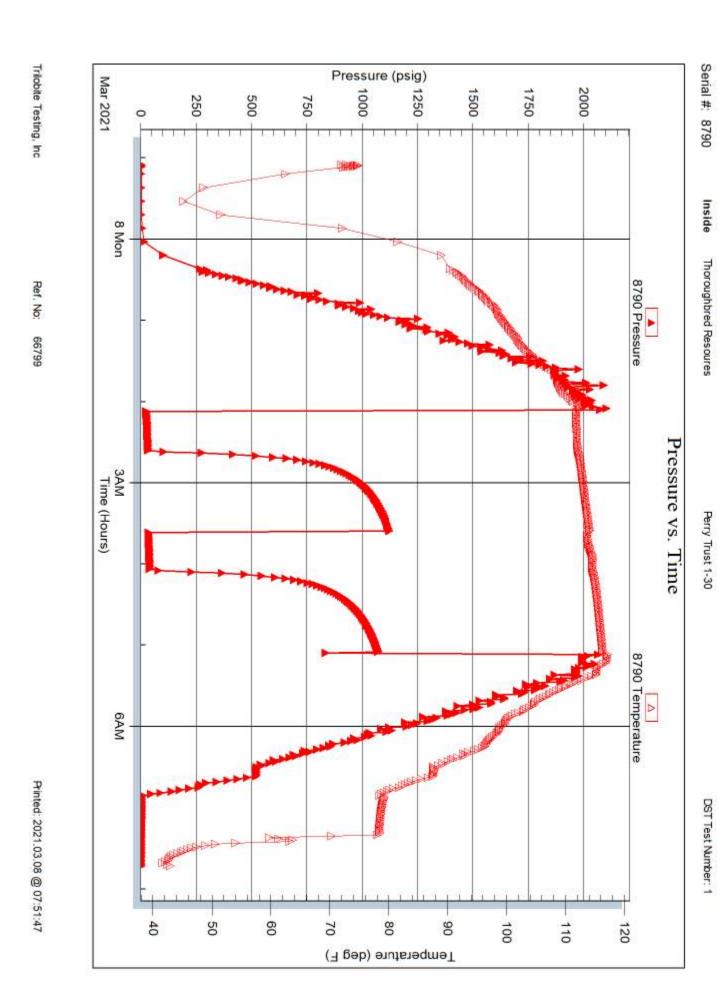
Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 66799 Printed: 2021.03.08 @ 07:51:46







Thoroughbred Resoures

8100 E 22nd St Ste 600 Wichita, Ks 67226

ATTN: Andrew Stenzel

30-18s-37w Wichita, Ks

Perry Trust 1-30

Job Ticket: 66800 DST#: 2

Test Start: 2021.03.09 @ 16:32:19

#### **GENERAL INFORMATION:**

Formation: Pawnee Ft Scott

Deviated: Whipstock: ft (KB)

Time Tool Opened: 19:24:19 Time Test Ended: 01:31:49

Interval: 4512.00 ft (KB) To 4575.00 ft (KB) (TVD)

Total Depth: 4575.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good Test Type: Conventional Bottom Hole (Reset) Tester: **Brandon Turley** 

Unit No:

Reference Elevations: 3346.00 ft (KB)

3337.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8674 Outside

Press@RunDepth: 4513.00 ft (KB) Capacity: 28.99 psig @ 8000.00 psig

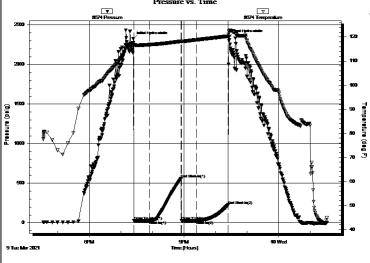
Start Date: 2021.03.09 End Date: 2021.03.10 Last Calib.: 2021.03.10 Start Time: 16:32:24 End Time: 01:31:49 Time On Btm: 2021.03.09 @ 19:23:19

2021.03.09 @ 22:25:49 Time Off Btm:

TEST COMMENT: IF: 1/2 blow died in 30 min.

IS: No return. FF: No blow

FS: No return. 30-60-30-60



	FINESSUINE SUIVIIVIAIN								
	Time	Pressure	Temp	Annotation					
	(Min.)	(psig)	(deg F)						
	0	2326.63	117.52	Initial Hydro-static					
	1	27.04	116.53	Open To Flow (1)					
	31	29.68	116.86	Shut-In(1)					
	91	559.51	118.26	End Shut-In(1)					
3	92	27.55	118.16	Open To Flow (2)					
	121	28.99	118.86	Shut-In(2)					
ì	181	226.76	120.34	End Shut-In(2)					
9	183	2350.48	122.54	Final Hydro-static					

PRESSURE SUMMARY

## Recovery

Length (ft)	Description	Volume (bbl)			
10.00	mud 100%m	0.05			
* Recovery from multiple tests					

Gas Rates									
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)							

Trilobite Testing, Inc Ref. No: 66800 Printed: 2021.03.10 @ 07:12:16



Thoroughbred Resoures

Perry Trust 1-30

8100 E 22nd St Ste 600 Wichita, Ks 67226

Job Ticket: 66800 DST#: 2

Tester:

Unit No:

30-18s-37w Wichita, Ks

ATTN: Andrew Stenzel

Test Start: 2021.03.09 @ 16:32:19

**Brandon Turley** 

#### **GENERAL INFORMATION:**

Formation: Pawnee Ft Scott

Test Type: Conventional Bottom Hole (Reset) Deviated: Whipstock: ft (KB)

Time Tool Opened: 19:24:19 Time Test Ended: 01:31:49

Interval:

4512.00 ft (KB) To 4575.00 ft (KB) (TVD) Reference Elevations: 3346.00 ft (KB)

Total Depth: 4575.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 9.00 ft

3337.00 ft (CF)

Serial #: 8790 Inside

Press@RunDepth: 4513.00 ft (KB) 8000.00 psig psig @ Capacity:

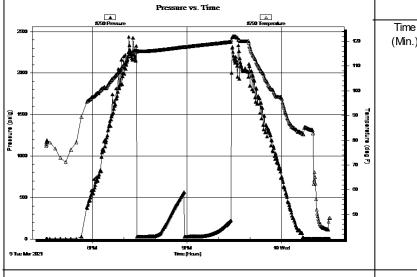
Start Date: 2021.03.09 End Date: 2021.03.10 Last Calib.: 2021.03.10

Start Time: 16:32:47 End Time: Time On Btm: 01:32:12 Time Off Btm:

TEST COMMENT: IF: 1/2 blow died in 30 min.

IS: No return. FF: No blow.

FS: No return. 30-60-30-60



	FRESSURE SUIVIIVIANT									
	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation						
Tamanatilla (dan E)										
(den E)										

PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05
* Recovery from mul	tiple tests	•

Gas Rates								
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)						

Trilobite Testing, Inc Ref. No: 66800 Printed: 2021.03.10 @ 07:12:17



**FLUID SUMMARY** 

Thoroughbred Resoures

30-18s-37w Wichita, Ks

8100 E 22nd St Ste 600 Wichita, Ks 67226 Perry Trust 1-30

Job Ticket: 66800

Serial #:

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2021.03.09 @ 16:32:19

#### **Mud and Cushion Information**

Mud Type:Gel ChemCushion Type:Oil API:0 deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:0 ppm

Viscosity: 56.00 sec/qt Cushion Volume: bbl

7.99 in<sup>3</sup> Gas Cushion Type:

Resistivity: 0.00 ohm.m Gas Cushion Pressure: psig

Salinity: 4700.00 ppm Filter Cake: 1.00 inches

#### **Recovery Information**

Water Loss:

## Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.049

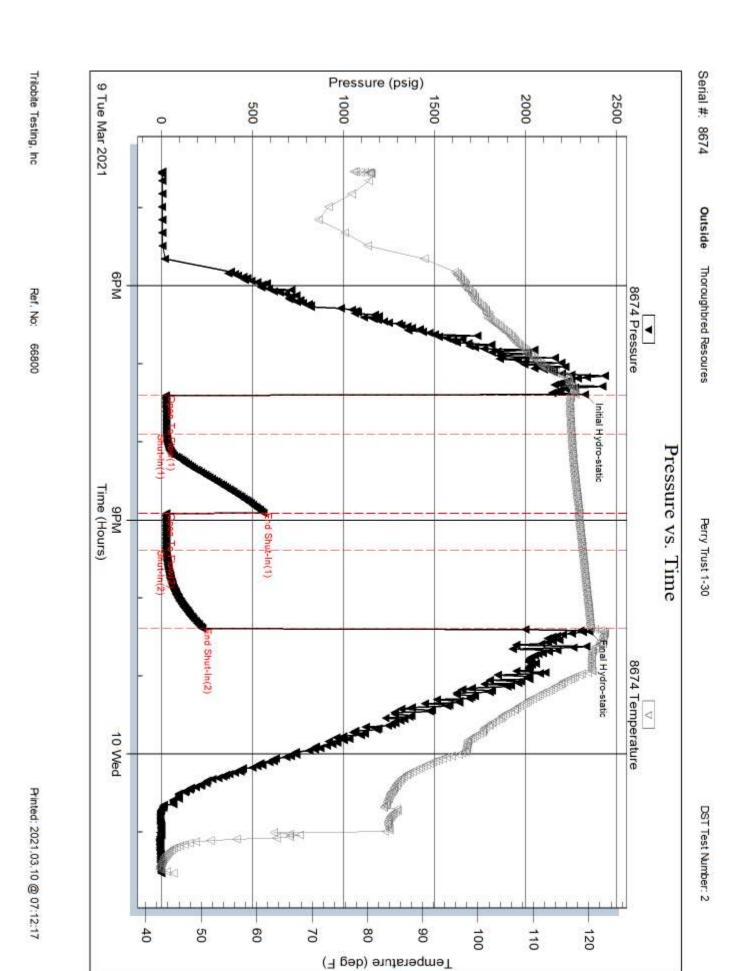
Total Length: 10.00 ft Total Volume: 0.049 bbl

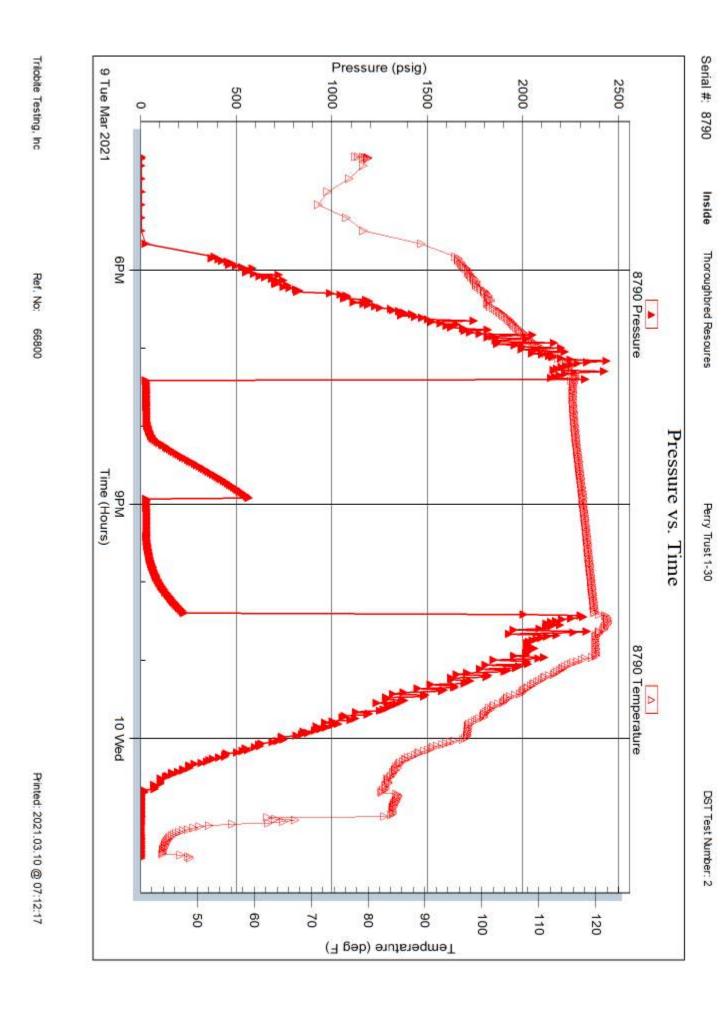
Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 66800 Printed: 2021.03.10 @ 07:12:17







Customer	Thoroughbred Ass	sociates LLC	Lease & Well #	Perry Trust # 1-30	)			Date	3	/3/2021
Service District	Oakley Ks		County & State	Wichita Ks	Legals S/T/R	30-18-37W		Job#		
Job Type	Surface	✓ PROD	☐ INJ	SWD	New Well?	✓ YES	☐ No	Ticket#	v	/P 1192
Equipment #	Driver			Job Safety An	alysis - A Discuss	sion of Hazards	& Safety Pro	cedures		
73	Josh	✓ Hard hat		✓ Gloves		✓ Lockout/Ta	gout	✓ Warning Signs & Flagging		
208	John	H2S Monitor		✓ Eye Protection		✓ Required Pe		✓ Fall Protection		
242	Jimmie	✓ Safety Footwe	ear	Respiratory Pro	otection	✓ Slip/Trip/Fa	ll Hazards	Specific Job	Seauence/Exi	pectations
		✓ FRC/Protective		Additional Che	mical/Acid PPE	✓ Overhead H	lazards	Muster Point		
		☐ Hearing Prote	ction	✓ Fire Extinguish	er	Additional	concerns or is	sues noted below		
					Con	nments				
Product/ Service							11-4			
Code		Descr	iption		Unit of Measure	Quantity	List Price/Unit	Gross Amount	Item Discount	Net Amount
D010	Depth Charge: 0'-50	00'			job	1.00				\$800.00
										·
M010	Heavy Equipment M	1ileage			mi	70.00				\$224.00
M015	Light Equipment Mil	eage			mi	70.00				\$112.00
M020	Ton Mileage				tm	693.00				\$831.60
CP015	H-325				sack	210.00				\$3,360.00
Custo	mer Section: On the	e following scale ho	w would you rate H	lurricane Services l	nc.?		Gross:	\$6,659.50	Net:	\$5,327.60
						Total Taxable	\$ -	Tax Rate:		> <
Ва	sed on this job, hov	v likely is it you w	ould recommend	HSI to a colleague	?	State tax laws dee			Sale Tax:	\$ -
U	Inlikely 1 2	3 4 5	<ul><li>□</li><li>□</li><li>□</li><li>0</li><li>8</li></ul>	9 10 Ext	emely Likely		s relies on the pove to make a	customer provided determination if	Total	¢ 5227.60
								Josh Mosier	Total:	\$ 5,327.60
	nce unless Hurricane S						invoice due or	or before the 30th	day from the da	ate of invoice. Past

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 ½% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. DISCLAIMER NOTICE: Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining

X	CUSTOMER	ΔU	THORE	MOITA	SIGNA	ATHR
/\	COSTONIEN	AU	THORIZ	LATION	SIGIAL	4101



CEMENT TREATMENT REPORT												
Cus	tomer:	Thorou	ghbred	Associate	s LLC Well	Perry Trust # 1-30			Ticke	et:	WP 1192	
City,	State:				County	<b>/:</b>	Wichi	3/3/2021				
Fiel	d Rep:				S-T-R							
				_							Guilage	
Dow	nhole	Informati	on		Calculated	Slurry - Le	ad		C	alculated	l Slurry - Tail	
	e Size:		in		Blend	E H	-325		Blen	d:		
Hole I			ft		Weight	Weight: 14.8 ppg Weight: ppg						
Casing	ALE BANK				Water / Sx	6.	4 gal/sx		Water / S	x:	gal / sx	
Casing I					Yield		B ft <sup>3</sup> / sx		Yiel	d:	ft <sup>3</sup> / sx	
Tubing /			in	-	Annular Bbls / Ft.		5 bbs / ft.		Annular Bbls / F	t.:	bbs / ft.	
	Depth:		ft	-	Depth		5 ft		Dept	h:	ft	
Tool / Pa	acker: Depth:		£4.	-	Annular Volume		B bbls		Annular Volum	e:	0 bbls	
Displace		24.0	ft	-	Excess				Exces			
Displace	ment.	21.9	STAGE	TOTAL	Total Slurry		6 bbls		Total Slurr		0.0 bbls	
TIME	RATE	PSI	BBLs	BBLs	Total Sacks REMARKS	210	) sx		Total Sack	S:	0 sx	
200P			_		GOT TO LOCATION							
205P					SAFETY MEETING							
210P					RIGGED UP TRUCKS	}						
305P					CIRCULATED HOLE		MP					
319P	3.0	50.0	5.0	5.0	PUMPED H20 AHEAD							
321P	3.2	150.0	51.6	56.6	PUMPED 210 SKS OF	F H-325 @ 36	5 FT MIXED @	14.8 PPG				
337P	2.6	200.0	21.5	78.1	DISPLACED WITH H2	20						
345P				78.1	SHUT IN							
350P				78.1	WASHED UP PUMP T	RUCK						
410P				78.1	RIGGED DOWN TRUC	CKS						
420P				78.1	OFF LOCATION							
					* CIRCULATED 5BBL	S TO PIT*						
	_											
												$\neg \neg$
				I I								
		CREW		An inceptor	UNIT				SUMMA	RY	WWW. BOWN WITH CO.	
Cem	enter:	Josh			73		Average	Rate	Average Pressure	To	otal Fluid	
Pump Ope	CONTRACTOR OF THE PERSON NAMED IN	John			208		2.9 b	pm	133 psi		78 bbls	
	lk #1:	Jimm	ie		242							
Bu	lk #2:											1

ftv: 15-2021/01/25 mplv: 105-2021/01/27



Customer	Thoroughbred		Lease & Well #			Date	3/	12/2021				
Service District	Oakley Ks		County & State	Wichita Ks Legals S/T/R		30-18-37W		Job#				
Job Type	Plug to abandon	PROD	☐ INJ	SWD	New Well?	✓ YES	☐ No	Ticket#	W	P 1206		
Equipment #	Driver			Job Safety An	alysis - A Discuss	ssion of Hazards & Safety Procedures						
73	Josh	✓ Hard hat		✓ Gloves		✓ Lockout/Tag	gout	✓ Warning Sign	ıs & Flagging	had by 13		
208	John	✓ H2S Monitor				✓ Required Pe	ermits	✓ Fall Protectio	n			
205	Kale	☑ Safety Footwe	ear	Respiratory Pro	otection	✓ Slip/Trip/Fa	ll Hazards	Specific Job S	Sequence/Exp	ectations		
		✓ FRC/Protectiv	e Clothing	Additional Che	mical/Acid PPE	✓ Overhead H	lazards	✓ Muster Point	/Medical Local	ations		
		✓ Hearing Prote	ection	✓ Fire Extinguish			oncerns or is	sues noted below				
					Con	nments						
Product/ Service Code		Descr	ription		Unit of Measure	Quantity	List Price/Unit	Gross Amount	ltem Discount	Net Amount		
D013	Depth Charge: 2001	'-3000'			job	1.00				\$1,700.00		
M010	Heavy Equipment M	lileage			mi	65.00				\$221.00		
M015	Light Equipment Mil	eage			mi	65.00				\$110.50		
M020	Ton Mileage				tm	783.00				\$998.33		
CP055	H-Plug				sack	280.00				\$3,094.00		
FE290	8 5/8" Wooden Plug				ea	1.00				\$127.50		
		X										
Custo	mer Section: On the	e following scale h	ow would you rate I	Hurricane Services	Inc.?		Gross:	\$7,354.50	Net:	\$6,251.33		
D-	sed on this job, hov	u likolu ic it uo	rould recommend	USI to a college	2	Total Taxable	\$ -	Tax Rate:	C-I- T	<u></u>		
					r	used on new wells	s to be sales ta s relies on the	x exempt. customer provided	Sale Tax:	\$ -		
U	Inlikely 1 2	3 4 5	6 7 8	9 10 Ex	remely Likely	services and/or pr	oducts are tax	exempt.	Total:	\$ 6,251.33		
						HSI Represe		Josh Mosier				
TERMS: Cash in adva	nce unless Hurricane S	Services Inc. (HSI) ha	s approved credit pri	or to sale. Credit term	s of sale for approved	accounts are total	l invoice due or	or before the 30th	day from the day	ate of invoice Past		

TEMBs: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due at the rate of 1 ½% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. DISCLAIMER NOTICE: Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X	CUSTOMER A	AUTHORIZATION	SIGNATURI

ftv: 15-2021/01/25 mplv: 105-2021/01/27



CEMEN.	TTRE	ATME	IT REF	ORT			A THE REAL PROPERTY.	A TOTAL		A CONTRACTOR OF THE PARTY OF TH	A 18 18 18 18 18 18 18 18 18 18 18 18 18		
		Thorou	ghbred	1	Wel	II:	Perry Tru	ıst # 1-30	Ticket:	WP 1206			
City,	State:				County	y:	Wichit	ta Ks	Date:	3/12/2021			
Fiel	d Rep:				S-T-R	R:	30-18-	-37W	Service:		 on		
		Informati		4	Calculated	Calculated Slurry - Lead Calculated Slurry - Tail							
	e Size:			_		Blend: H-PLUG Blend:							
	Depth:			_	Weight		.8 ppg		Weight:	ppg			
Casing l	g Size: Denth:		in	-	Water / Sx		.9 gal / sx		Water / Sx:				
Tubing /			ft	-	Yield	All	2 ft <sup>3</sup> / sx		Yield:	ft <sup>3</sup> / sx			
	Liner: Depth:		ft	-	Annular Bbls / Ft.				Annular Bbls / Ft.:	bbs / ft.			
Tool / Pa			π	-	Depth		0 ft		Depth:	ft			
	Depth:		ft	1	Annular Volume		9 bbls		Annular Volume:	0 bbls			
Displace			bbls	1	Excess Total Slurry	W-	^ III		Excess:				
			STAGE	TOTAL	Total Slurry Total Sacks		8 bbls 0 sx		Total Slurry:	0.0 bbls			
TIME	RATE	PSI	BBLs	BBLs	REMARKS	200	U SX		Total Sacks:	0 sx			
100A			-	-	GOT TO LOCATION						No. W. Allen		
105A				-	SAFETY MEETING								
110A				-	RIGGED UP TRUCKS	3							
320A	3.0	200.0	5.0	5.0	H20 AHEAD								
324A	4.2	200.0	12.6	17.6	PUMPED 50 SKS OF	H-PLUG @ 4	260 FT						
327A	3.0	100.0	5.0	22.6	DISPLACED WITH H2	20							
330A				22.6	FINISHED DISPLACIN	NG WITH RIG	PUMP						
406A	3.3	200.0	20.2	42.8	PUMPED 80SKS OF F	H-PLUG @ 14	430 FT						
412A	3.0	100.0	13.2	56.0	DISPLACED WITH H2	20							
444A		200.0	12.6	68.6	PUMPED 50 SKS OF	H-PLUG @ 7	05 FT						
448A		100.0	5.6	74.2	DISPLACED WITH H2	20							
502A		200.0	12.6		PUMPED 50 SKS OF I	H-PLUG @ 3	90 FT						
506A		100.0	1.1		DISPLACED WITH H2	20							
539A		50.0	5.0		PUMPED 20 SKS IN T								
545A	1.5	50.0	7.5		PUMPED 30 SKS OF I		:H						
555A					WASHED UP PUMP T								
615A 630A					RIGGED DOWN TRUC	CKS							
BSUA			-		OFF LOCATION								
	$\neg \uparrow$												
	na area	CREW			UNIT		describing the same	and but he had no	SUMMARY		A ST TO STATE OF THE STATE OF		
Cem	enter:	Josh			73		Average	Rate	Average Pressure	Total Fluid	AND DESCRIPTION OF THE PARTY OF		
Pump Ope	rator:	John			208		2.9 bp		136 psi	100 bbls			
	lk #1:	Kale			205	1							
Bu	lk #2:												

ftv: 15-2021/01/25 mplv: 105-2021/01/27