

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 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)</i> <i>(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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**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

RL Investment, LLC

**29 14s 33w Logan, Ks**

2777 US Hwy 24  
Hill City, Ks 67642

**Smokey #1**

Job Ticket: 66971

**DST#: 2**

ATTN: Clayton Erickson

Test Start: 2021.10.03 @ 14:58:00

## GENERAL INFORMATION:

Formation: **Marmaton- Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:03:00

Time Test Ended: 22:13:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley

Unit No: Walter

**Interval: 4295.00 ft (KB) To 4360.00 ft (KB) (TVD)**

Reference Elevations: 2934.00 ft (KB)

Total Depth: 4360.00 ft (KB) (TVD)

2927.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

**Serial #: 8874 Inside**

Press@RunDepth: 134.21 psig @ 4296.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.10.03

End Date: 2021.10.03

Last Calib.: 2021.10.03

Start Time: 14:58:05

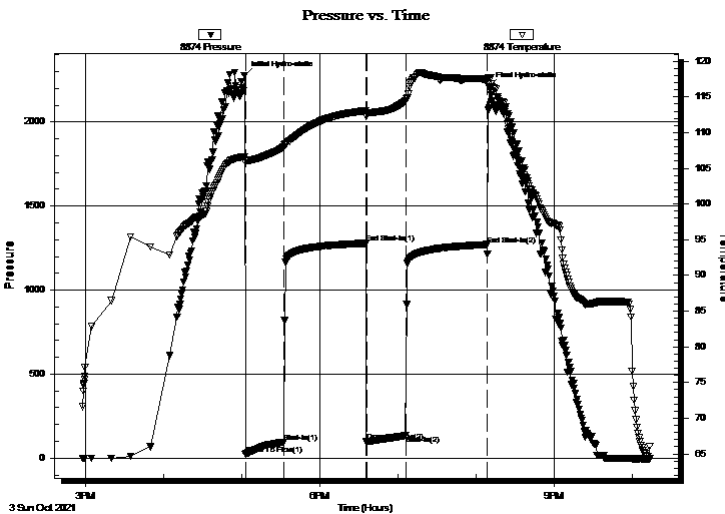
End Time: 22:13:44

Time On Btm: 2021.10.03 @ 17:02:15

Time Off Btm: 2021.10.03 @ 20:10:00

**TEST COMMENT:** IF: 7" blow.  
IS: No return.  
FF: 6 2/4" blow.  
FS: No return. 30-60-30-60

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2278.05	106.62	Initial Hydro-static
1	21.77	105.82	Open To Flow (1)
31	94.56	107.97	Shut-In(1)
94	1278.77	113.07	End Shut-In(1)
94	97.97	112.72	Open To Flow (2)
124	134.21	114.44	Shut-In(2)
187	1271.42	117.50	End Shut-In(2)
188	2208.18	117.69	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
250.00	mcw 35m 65w (Oil spots)	2.40

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

RL Investment, LLC

**29 14s 33w Logan, Ks**

2777 US Hwy 24  
Hill City, Ks 67642

**Smokey #1**

Job Ticket: 66971

**DST#: 2**

ATTN: Clayton Erickson

Test Start: 2021.10.03 @ 14:58:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

37000 ppm

Viscosity: 73.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 12300.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	mcw 35m 65w (Oil spots)	2.405

Total Length: 250.00 ft      Total Volume: 2.405 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .171 @ 77f = 37000ppm



Serial #: 8874

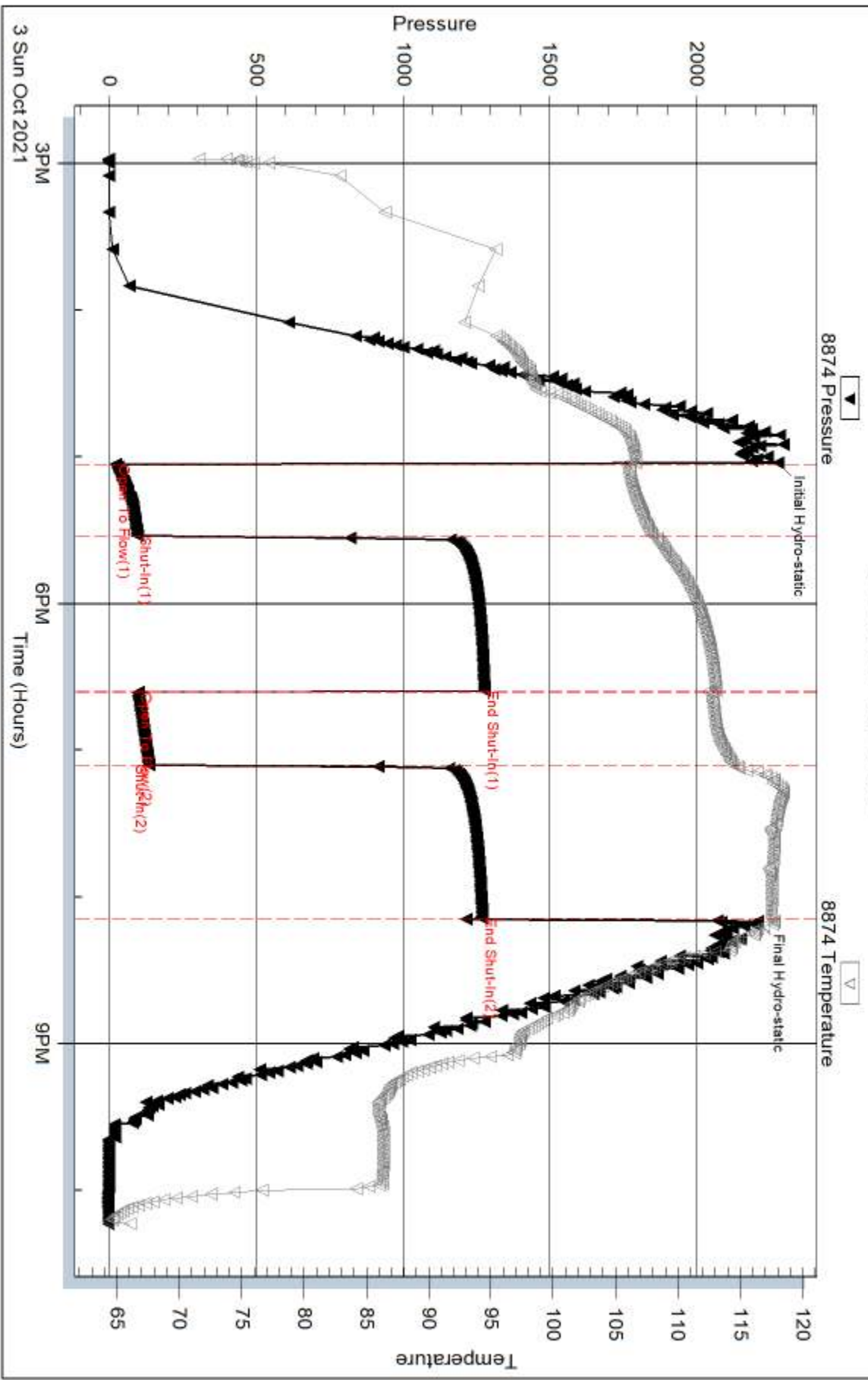
Inside

RL Investment, LLC

Snokey #1

DST Test Number: 2

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 66971

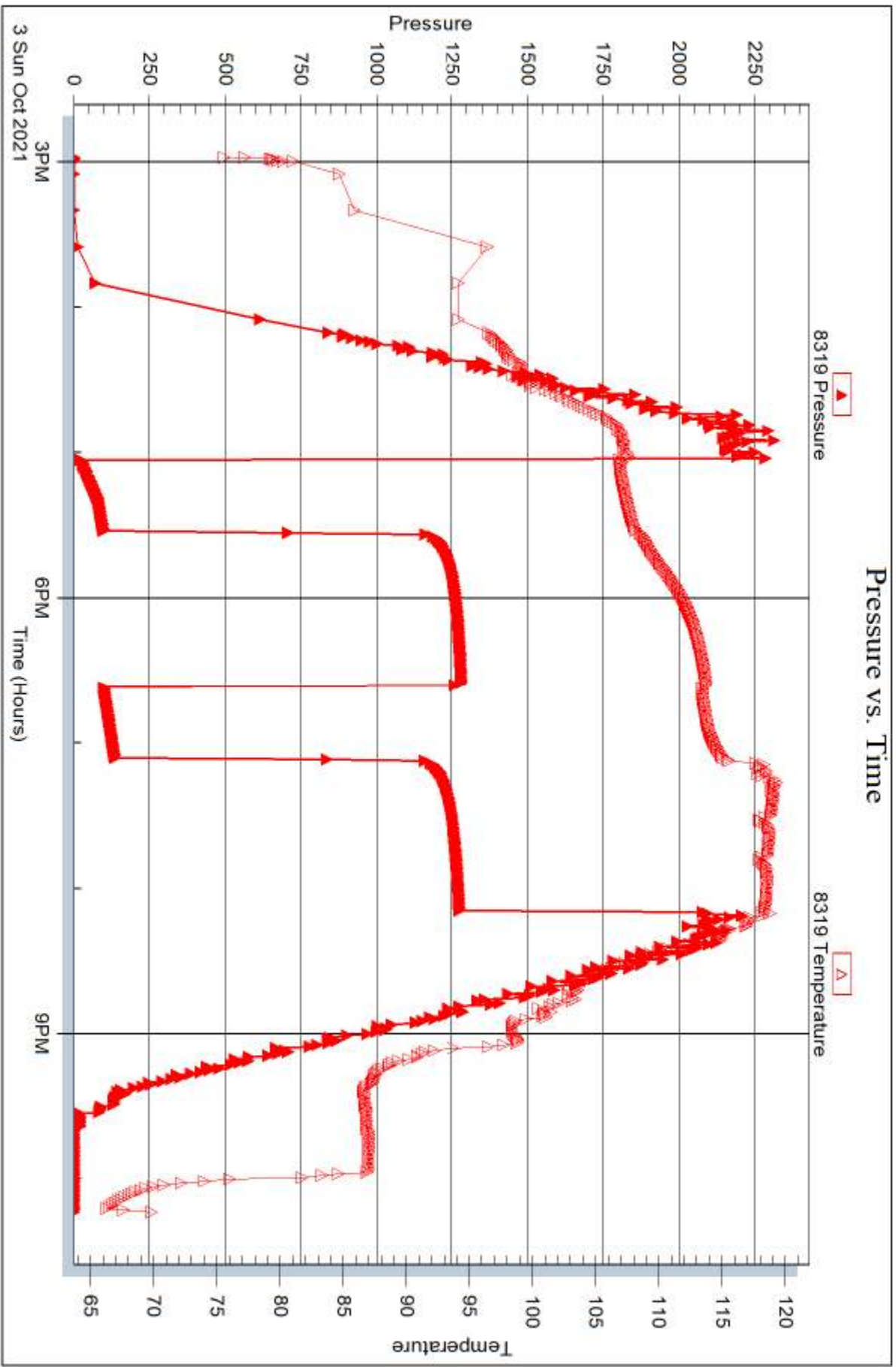
Printed: 2021.10.04 @ 07:22:42

Serial #: 8319

Outside RL Investment, LLC

Snokey #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 66971

Printed: 2021.10.04 @ 07:22:42



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

RL Investment, LLC

**29 14s 33w Logan, Ks**

2777 US Hwy 24  
Hill City, Ks 67642

**Smokey #1**

Job Ticket: 66970

**DST#: 1**

ATTN: Clayton Erickson

Test Start: 2021.10.02 @ 20:28:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:47:30

Time Test Ended: 03:47:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley

Unit No: Walter

**Interval: 4200.00 ft (KB) To 4305.00 ft (KB) (TVD)**

Reference Elevations: 2934.00 ft (KB)

Total Depth: 4305.00 ft (KB) (TVD)

2927.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

**Serial #: 8874**

**Inside**

Press@RunDepth: 33.11 psig @ 4201.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.10.02

End Date:

2021.10.03

Last Calib.: 2021.10.03

Start Time: 20:28:05

End Time:

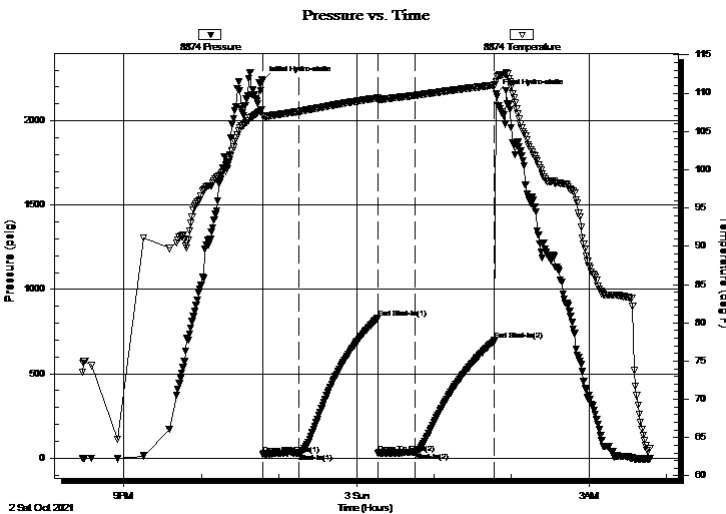
03:47:14

Time On Btm: 2021.10.02 @ 22:47:00

Time Off Btm: 2021.10.03 @ 01:47:45

TEST COMMENT: IF: 1" Blow .  
IS: No return.  
FF: 1/4" blow .  
FS: No return. - 30-60-30-60

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2239.32	107.82	Initial Hydro-static
1	24.05	107.03	Open To Flow (1)
29	27.81	107.60	Shut-In(1)
90	829.07	109.36	End Shut-In(1)
90	29.61	109.10	Open To Flow (2)
119	33.11	109.70	Shut-In(2)
180	696.58	111.03	End Shut-In(2)
181	2158.64	111.50	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	Mud 100m (Oil spots in tool)	0.20

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

RL Investment, LLC

**29 14s 33w Logan, Ks**

2777 US Hwy 24  
Hill City, Ks 67642

**Smokey #1**

Job Ticket: 66970

**DST#: 1**

ATTN: Clayton Erickson

Test Start: 2021.10.02 @ 20:28:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Mud 100m (Oil spots in tool)	0.197

Total Length: 40.00 ft      Total Volume: 0.197 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8874

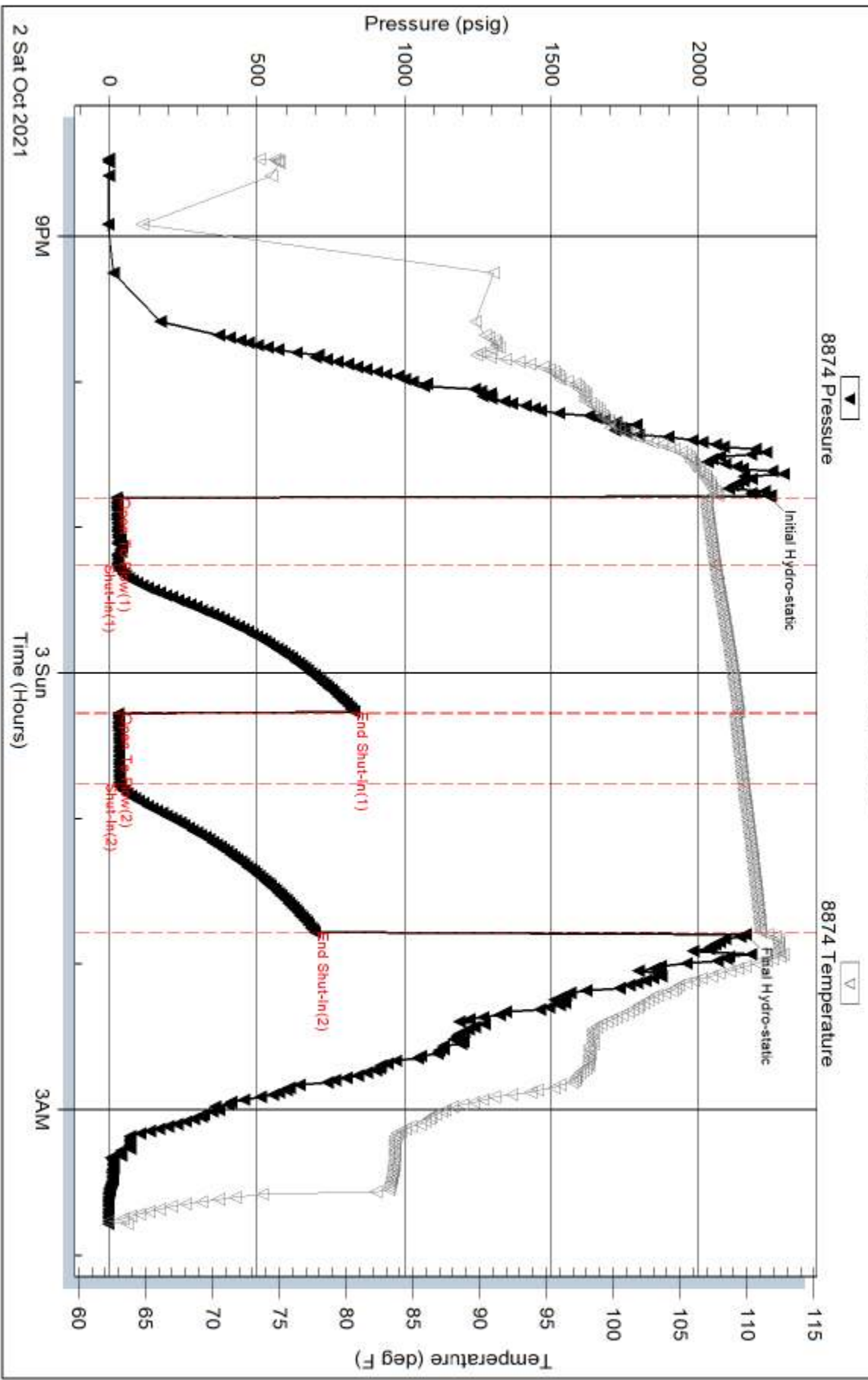
Inside

RL Investment, LLC

Snokey #1

DST Test Number: 1

### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 66970

Printed: 2021.10.03 @ 07:44:15

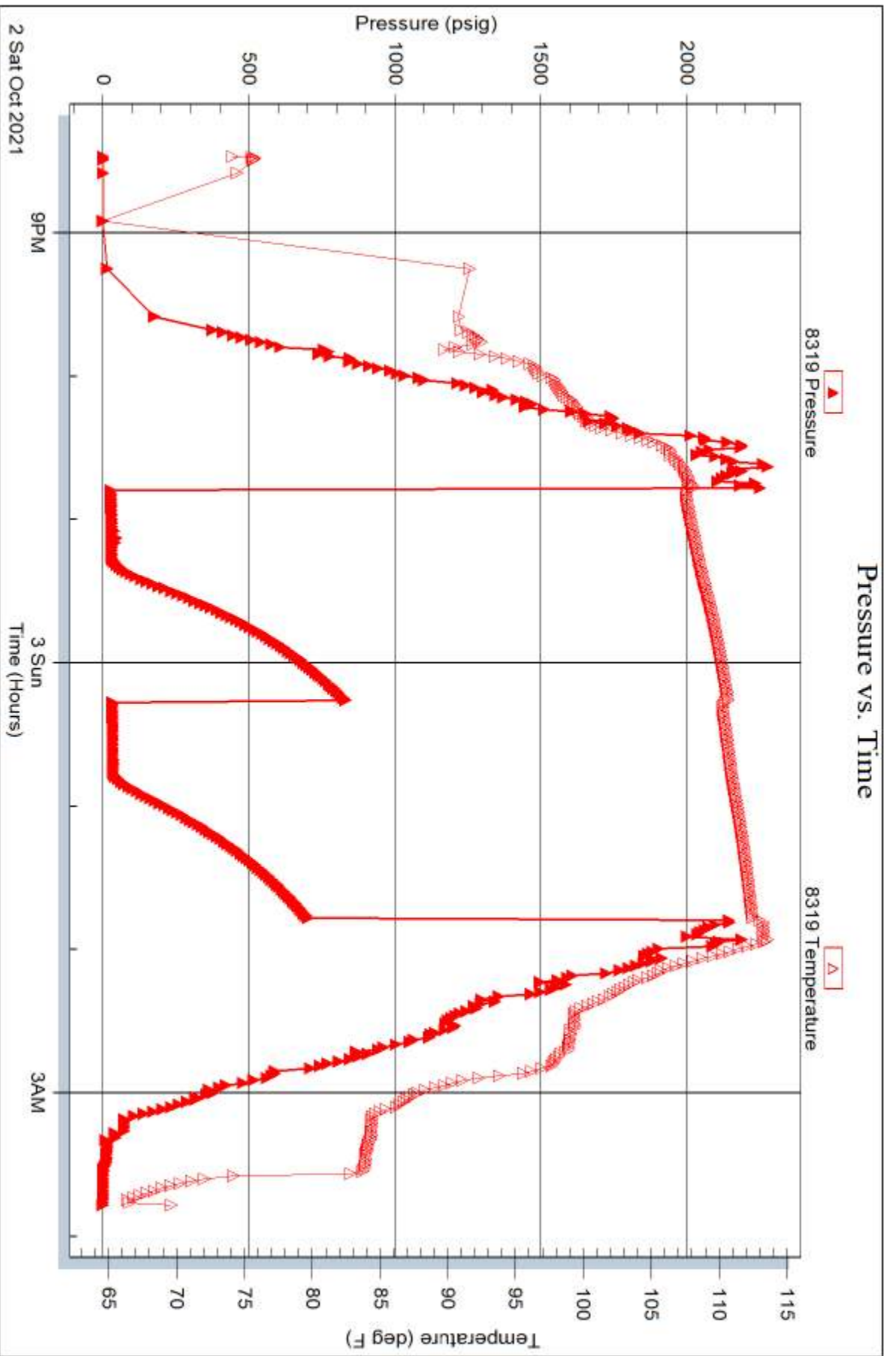


Serial #: 8319

Outside RL Investment, LLC

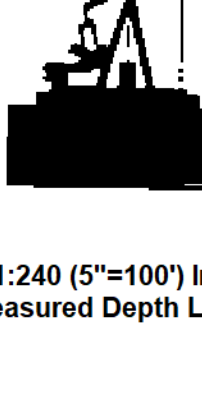
Snokey #1

DST Test Number: 1





ERICKSON WELLSITE GEOLOGY



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

Well Name: Smokey #1  
Well Id:  
Location: NW SE SE NW Sec 29 T14S R33W  
License Number: 15-109-21627  
Spud Date: 9/27/2021  
Surface Coordinates: 2305' FNL & 2015' FWL  
Region: Logan County, KS  
Drilling Completed: 10/5/2021  
Bottom Hole Coordinates: Surface casing- 8 5/8 @ 214'  
Production casing-  
Ground Elevation (ft): 2927  
Logged Interval (ft): 3450  
Formation:  
Type of Drilling Fluid: Chemical Mud  
K.B. Elevation (ft): 2934  
Total Depth (ft): 4666  
Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: RL Investment, LLC  
Address: 2777 US Hwy 24  
Hill City, KS 67642

GEOLOGIST

Name: Clayton Erickson  
Company: Erickson WellSite Geology  
Address: 402 Palmer Street  
P.O. Box 294  
Loomis, NE 68958

DSTs

DST #1 4200-4305 30-60-30-60; Hydro: 2239-2158 IFP: 24-27 ISIP: 829 FFP: 29-33 FSIP: 696; Rec: 40' mud; BHT: 111F; IF: 1" ISI: dead FF: 1/4" FSI: dead  
DST #2 4295-4360 30-60-30-60; Hydro: 2278-2208 IFP: 21-24 ISIP: 1278 FFP: 97-134 FSIP: 1271; Rec: 250' 65%/w 35%/m; BHT: 118F; IF: 7" ISI: dead FF: 6 3/4" FSI: dead

COMMENTS

After careful examination of rock samples, DST results and logs it was decided to P&A this location.

FORMATION TOPS

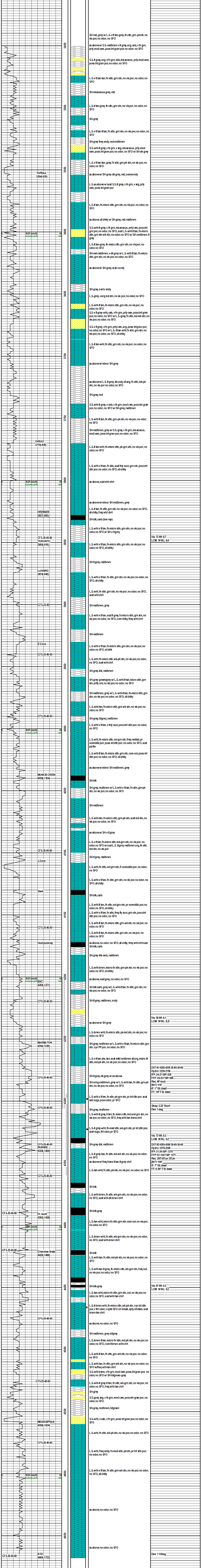
Log Tops	Sample tops
Anhydrite 2352(+582)	2353(+581)
Base Anhy 2370(+564)	3748(+561)
TOPEKA 3550(+616)	3548(-614)
HEEBNER 3826(-892)	3827(-893)
LANSING 3872(-938)	3874(-940)
Muncie Creek 4038(-1104)	4038(-1104)
BKC 4198(-1264)	4205(-1271)
MARMATON 4258(-1324)	4254(-1320)
PAWNEE 4338(-1404)	4338(-1404)
Fl Scott 4391(-1457)	4392(-1458)
Cherokee SH 4418(-1484)	4420(-1486)
MISSISSIPPIAN 4556(-1622)	4558(-1624)
TD 4665(-1731)	4666(-1732)

ROCK TYPES

Anhy	Clyst	Gyp	Mrlst	Shgy
Bent	Carb. shale	Igne	Salt	Sstst
Brec	Arkose	Lmst	Shale	Ss
Chrt	Dol	Meta	Schol	Till

OTHER SYMBOLS

OIL SHOW	Spotted	Dead	INTERVAL
Even	Quies		Dst



DST #1 4200-4305 30-60-30-60  
Hydro: 2239-2158  
IFP: 24-27 ISIP: 829  
FFP: 29-33 FSIP: 696  
Rec: 40' mud  
BHT: 111F  
IF: 1" ISI: dead  
FF: 1/4" FSI: dead

Strap: 2.33' Short  
Dev: 1 deg

Vls: 73 Wt: 9.1  
LCM: #W: 8.2

DST #2 4295-4360 30-60-30-60  
Hydro: 2278-2208  
IFP: 21-24 ISIP: 1278  
FFP: 97-134 FSIP: 1271  
Rec: 250' 65%/w 35%/m  
BHT: 118F  
IF: 7" ISI: dead  
FF: 6 3/4" FSI: dead

Vls: 67 Wt: 9.2  
LCM: #W: 9.2

Dev: 11/2deg