

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)</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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Form	ACO1 - Well Completion
Operator	BlueRidge Petroleum Corporation
Well Name	LEGLEITER 1-10
Doc ID	1683699

Tops

Name	Top	Datum
Anhydrite	1087	+863
Heebner	3184	-1234
Toronto	3202	-1252
Lansing	3234	-1284
BKC	3472	-1522
Basal Penn Sd	3535	-1585
Arbuckle	3548	-1598
Reagan Sd	3575	-1625
LTD	3609	-1659

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3240
1-15-23

Date	Sec.	Twp.	Range	County	State	On Location	Finish
1-14-23	10	16	18	Rush	KS		4:00 AM
Location						Liebenthal 1E 1W 2W	
Lease						4:00 PM	

Lease	LEGLETTER	Well No.	1-10	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	DISCOVERY				
Type Job	SURFACE				
Hole Size	12 1/4	T.D.	1097	Charge To	Blue Ridge Pet.
Csg.	1097	Depth		Street	
Tbg. Size		Depth		City	State
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	28.65	Shoe Joint	28.65	Cement Amount Ordered	480 21 80/20 3-2
Meas Line		Displace	68	350 21 com 4% cc 2 300 21 com 4% cc 2 1/2 # flo seal	

EQUIPMENT

Pumptrk	17	No.		Cement Helper	13:11	Poz. Mix	100
Bulktrk	17	No.		Driver	Nick JORDAN	Gel.	20
Bulktrk	19	No.		Driver	CORY	Calcium	44

JOB SERVICES & REMARKS

Remarks:		Hulle	
Rat Hole	Used 480 80/20 3-2 1/2 # flo seal	Salt	
Mouse Hole		Flowseal	525 #
Centralizer	575 com 4% cc 2% gel	Kol-Seal	
Baskets	1/2 # flo seal	Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
Set e 1097		Sand	
480 21		Handling	1124
pump 68 bbls		Mileage	
Land plug e 500 #		FLOAT EQUIPMENT	
Cemt did not circ.		Guide Shoe	
Run 340 1" Cent w/ 350 21 4% cc		Centralizer	1
Last circ.		Baskets	- 2
Run 260 one inch mix		AFU Inserts	
		Float Shoe	
		Latch Down	
Used		Rubber Plug	- 1
480 21 80/20 3-2 1/2 flo seal		Blastle Plate	- 1
350 21 com 4-2 1/2 flo seal		Pumptrk Charge	Long Surface Job
225 21 com 4-2 1/2 # flo seal		Mileage	21
Left 80' one inch in hole		Thanks	

X Signature	Tax
	Discount
	Total Charge

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3394

Date 1-22-23 Sec. 10 Twp. 16 Range 18 County Rush State Ks On Location _____ Finish 5:00 PM

Lease Legleiter Location Liebethal - 1E to 260th, 1N to

Well No. 1-10 Owner C Rd w/Into
To Quality Oilwell Cementing, Inc.

Contractor Discovery #2 You are hereby requested to rent cementing equipment and furnish
Type Job plug cementer and helper to assist owner or contractor to do work as listed.

Hole Size 7 7/8" T.D. 3611' Charge To Blue Ridge Petroleum

Csg. _____ Depth _____ Street _____
Tbg. Size 4 1/2" D.P. Depth 3520' City _____ State _____

Tool _____ Depth _____ The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. _____ Shoe Joint _____ Cement Amount Ordered 320 60/40 4% Gel 3% CL

Meas Line _____ Displace 1/20/mud 1/4" Flowseal

EQUIPMENT

Pumptrk 16 No. 16 Cementer David Common 192
Helper _____ Driver _____ Poz. Mix 125

Bulktrk 20 No. 20 Driver Tim Gel. 11
Driver _____ Driver _____ Calcium 10

Bulktrk p.u. No. p.u. Driver Rick _____
Driver _____ Driver _____

JOB SERVICES & REMARKS

Remarks: 3520 - 50 SX Hulls _____ Salt _____

Rat Hole 1250 - 100 SX Flowseal 80#

Mouse Hole 600 - 100 SX Kol-Seal _____

Centralizers 60 - 20 SX Mud CLR 48 _____

Baskets _____ CFL-117 or CD110 CAF 38 _____

D/V or Port Collar Rathole w/ 30 SX Sand _____
Mousehole w/ 20 SX Handling 341

Mileage _____

FLOAT EQUIPMENT

Guide Shoe _____

Centralizer _____

Baskets _____

AFU Inserts _____

Float Shoe _____

Latch Down _____

Pumptrk Charge _____ Mileage 21 plug

Signature [Signature] Tax _____

Discount _____ Total Charge _____

Thanks



DRILL STEM TEST REPORT

Prepared For: **BlueRidge Petroleum Corporation**

PO Box 30545
Edmond OK 73003+0545

ATTN: Jeff Lawler

Legleiter #1-10

10-16s-18w Rush KS

Start Date: 2023.01.19 @ 06:40:00

End Date: 2023.01.19 @ 13:53:47

Job Ticket #: 70024 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2023.01.24 @ 11:19:15



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

BlueRidge Petroleum Corporation

10-16s-18w Rush KS

PO Box 30545
Edmond OK 73003+0545

Legleiter #1-10

Job Ticket: 70024

DST#: 1

ATTN: Jeff Lawler

Test Start: 2023.01.19 @ 06:40:00

GENERAL INFORMATION:

Formation: **LKC A-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:02:52

Time Test Ended: 13:53:47

Test Type: Conventional Bottom Hole (Initial)

Tester: Spencer J Staab

Unit No: 84

Interval: 3218.00 ft (KB) To 3301.00 ft (KB) (TVD)

Reference Elevations: 1950.00 ft (KB)

Total Depth: 3301.00 ft (KB) (TVD)

1942.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8875

Inside

Press@RunDepth: 87.78 psig @ 3221.00 ft (KB)

Capacity: psig

Start Date: 2023.01.19

End Date: 2023.01.19

Last Calib.: 2023.01.19

Start Time: 06:40:01

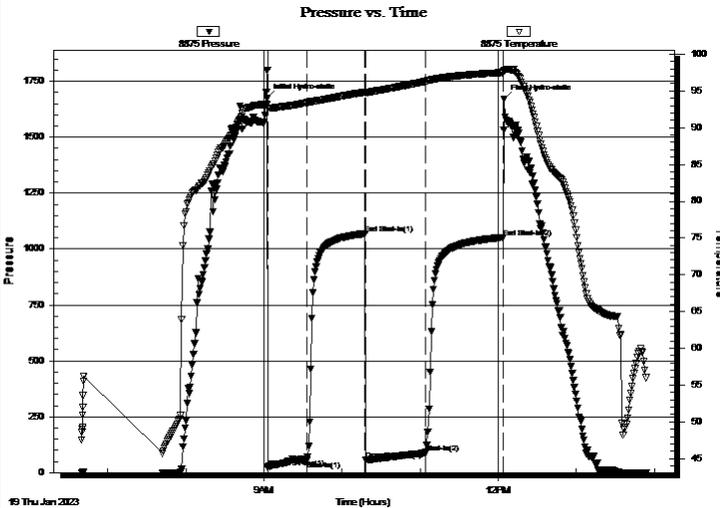
End Time: 13:53:47

Time On Btm: 2023.01.19 @ 09:02:32

Time Off Btm: 2023.01.19 @ 12:04:37

TEST COMMENT: 30-IS-Surface to 7" Soft fill before tool opened No Slide
45-ISI-Very Weak Surface @ 3 mins Built to 1/2" Died back to 1/4"
45-FF-Surface to 10"
60-FSI-Surface tro 1/4" Died @25 mins

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1673.18	93.11	Initial Hydro-static
1	21.43	92.67	Open To Flow (1)
31	54.60	93.40	Shut-In(1)
76	1068.41	94.82	End Shut-In(1)
76	56.95	94.71	Open To Flow (2)
122	87.78	96.32	Shut-In(2)
182	1052.33	97.52	End Shut-In(2)
183	1669.90	97.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	GWM 15% G 30% W 55% M	1.28
50.00	GVSOCM 3% G 2% O 95% M	0.71
0.00	180 GIP 100% G	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

BlueRidge Petroleum Corporation

10-16s-18w Rush KS

PO Box 30545
Edmond OK 73003+0545

Legleiter #1-10

Job Ticket: 70024

DST#: 1

ATTN: Jeff Lawler

Test Start: 2023.01.19 @ 06:40:00

Tool Information

Drill Pipe:	Length: 3189.00 ft	Diameter: 3.82 inches	Volume: 45.21 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	50000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
			- bbl	String Weight: Initial	42000.00 daN
Drill Pipe Above KB:	33.00 ft			Final	44000.00 daN
Depth to Top Packer:	3218.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	83.00 ft				
Tool Length:	115.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3187.00	
Shut In Tool	5.00			3192.00	
Hydraulic tool	5.00			3197.00	
Jars	5.00			3202.00	
Gap Sub	4.00			3206.00	
Safety Joint	3.00			3209.00	
Packer	5.00			3214.00	32.00 Bottom Of Top Packer
Packer	4.00			3218.00	
Stubb	1.00			3219.00	
Perforations	1.00			3220.00	
Change Over Sub	1.00			3221.00	
Recorder	0.00	6838	Inside	3221.00	
Recorder	0.00	8875	Inside	3221.00	
Drill Pipe	64.00			3285.00	
Change Over Sub	1.00			3286.00	
Perforations	12.00			3298.00	
Bullnose	3.00			3301.00	83.00 Bottom Packers & Anchor
Total Tool Length:	115.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

BlueRidge Petroleum Corporation

10-16s-18w Rush KS

PO Box 30545
Edmond OK 73003+0545

Legleiter #1-10

Job Ticket: 70024

DST#: 1

ATTN: Jeff Lawler

Test Start: 2023.01.19 @ 06:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

31000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	GWM 15% G 30%W 55%M	1.282
50.00	GVSOCM 3%G 2%O 95%M	0.709
0.00	180 GIP 100%G	0.000

Total Length: 160.00 ft Total Volume: 1.991 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM

RW=.376@42F

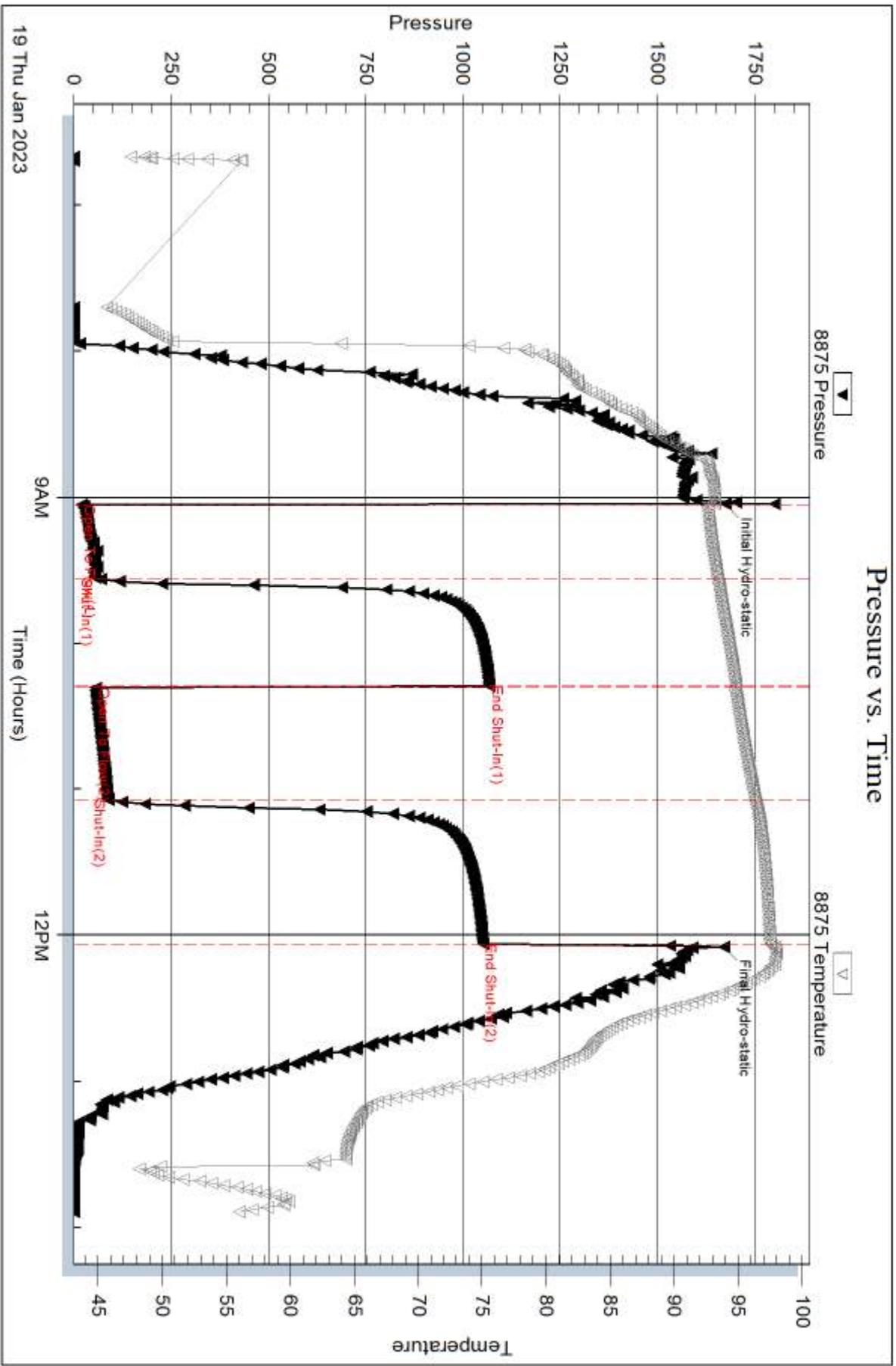
Serial #: 8875

Inside

BlueRidge Petroleum Corporation

Legletter #1-10

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 70024

Printed: 2023.01.24 @ 11:19:16

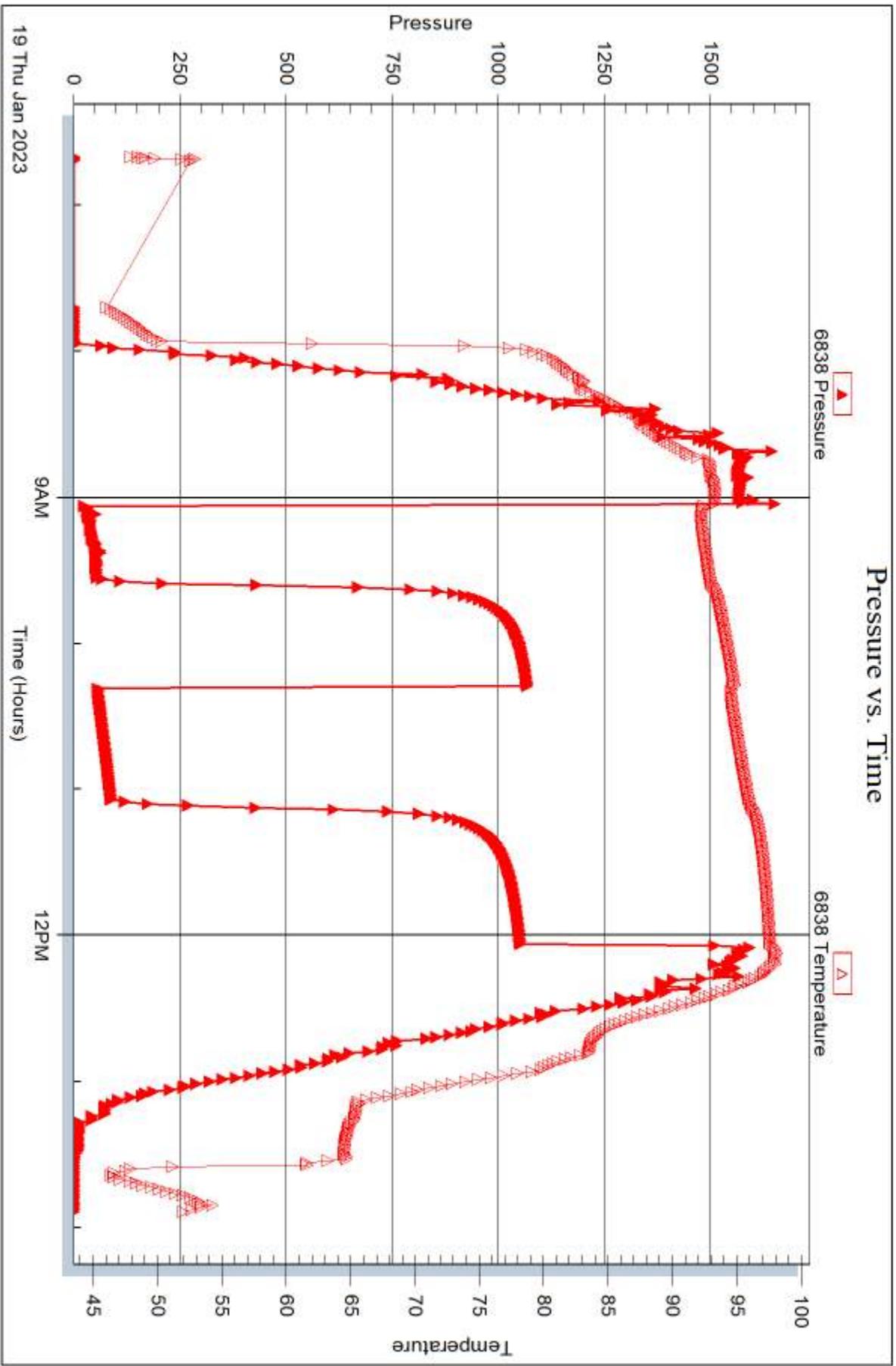
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Inside

BlueRidge Petroleum Corporation

Legletter #1-10

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 70024

Printed: 2023.01.24 @ 11:19:16



DRILL STEM TEST REPORT

Prepared For: **BlueRidge Petroleum Corporation**

PO Box 30545
Edmond OK 73003+0545

ATTN: Jeff Lawler

Legleiter #1-10

10-16s-18w Rush KS

Start Date: 2023.01.19 @ 20:32:00

End Date: 2023.01.20 @ 04:08:27

Job Ticket #: 70025 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2023.01.24 @ 11:13:13



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

BlueRidge Petroleum Corporation

10-16s-18w Rush KS

PO Box 30545
Edmond OK 73003+0545

Legleiter #1-10

Job Ticket: 70025

DST#: 2

ATTN: Jeff Lawler

Test Start: 2023.01.19 @ 20:32:00

GENERAL INFORMATION:

Formation: **LKC E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:47:02

Time Test Ended: 04:08:27

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 3296.00 ft (KB) To 3320.00 ft (KB) (TVD)

Reference Elevations: 1950.00 ft (KB)

Total Depth: 3320.00 ft (KB) (TVD)

1942.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8875

Outside

Press@RunDepth: 211.03 psig @ 3297.00 ft (KB)

Capacity: psig

Start Date: 2023.01.19

End Date:

2023.01.20

Last Calib.:

2023.01.20

Start Time: 20:32:01

End Time:

04:08:26

Time On Btm:

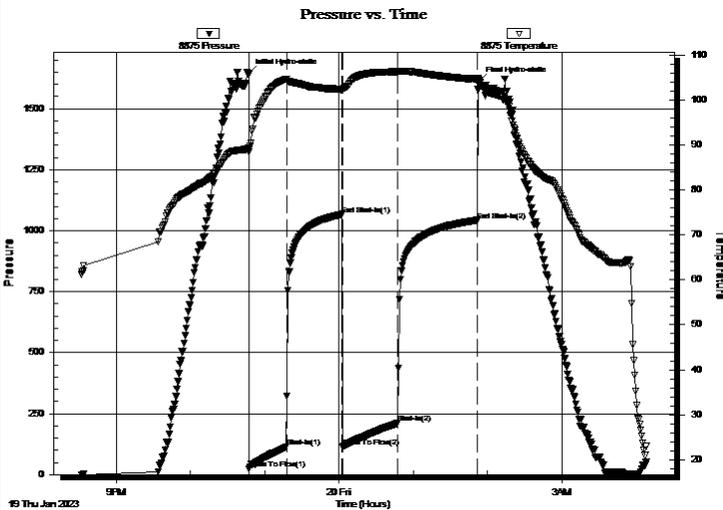
2023.01.19 @ 22:46:57

Time Off Btm:

2023.01.20 @ 01:53:02

TEST COMMENT: 30-IF-BOB 15 mins Built to 19"
45-ISI-No Return
45-FF-BOB 20 mins Built to 20"
60-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1643.79	89.22	Initial Hydro-static
1	23.68	88.49	Open To Flow (1)
31	112.90	104.65	Shut-In(1)
76	1067.11	102.29	End Shut-In(1)
76	114.63	102.20	Open To Flow (2)
121	211.03	106.30	Shut-In(2)
185	1042.70	104.61	End Shut-In(2)
187	1614.58	103.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
440.00	MCW 20%M 80%W	5.96

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

BlueRidge Petroleum Corporation

10-16s-18w Rush KS

PO Box 30545
Edmond OK 73003+0545

Legleiter #1-10

Job Ticket: 70025

DST#: 2

ATTN: Jeff Lawler

Test Start: 2023.01.19 @ 20:32:00

Tool Information

Drill Pipe:	Length: 3253.00 ft	Diameter: 3.82 inches	Volume: 46.11 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	55000.00 daN
		Total Volume: - bbl		Tool Chased	ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	42000.00 daN
Depth to Top Packer:	3296.00 ft			Final	44000.00 daN
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	56.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3265.00	
Shut In Tool	5.00			3270.00	
Hydraulic tool	5.00			3275.00	
Jars	5.00			3280.00	
Gap Sub	4.00			3284.00	
Safety Joint	3.00			3287.00	
Packer	5.00			3292.00	32.00 Bottom Of Top Packer
Packer	4.00			3296.00	
Stubb	1.00			3297.00	
Recorder	0.00	6838	Inside	3297.00	
Recorder	0.00	8875	Outside	3297.00	
Perforations	20.00			3317.00	
Bullnose	3.00			3320.00	24.00 Bottom Packers & Anchor

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

BlueRidge Petroleum Corporation

10-16s-18w Rush KS

PO Box 30545
Edmond OK 73003+0545

Legleiter #1-10

Job Ticket: 70025

DST#: 2

ATTN: Jeff Lawler

Test Start: 2023.01.19 @ 20:32:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

53000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
440.00	MCW 20%M 80%W	5.959

Total Length: 440.00 ft Total Volume: 5.959 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

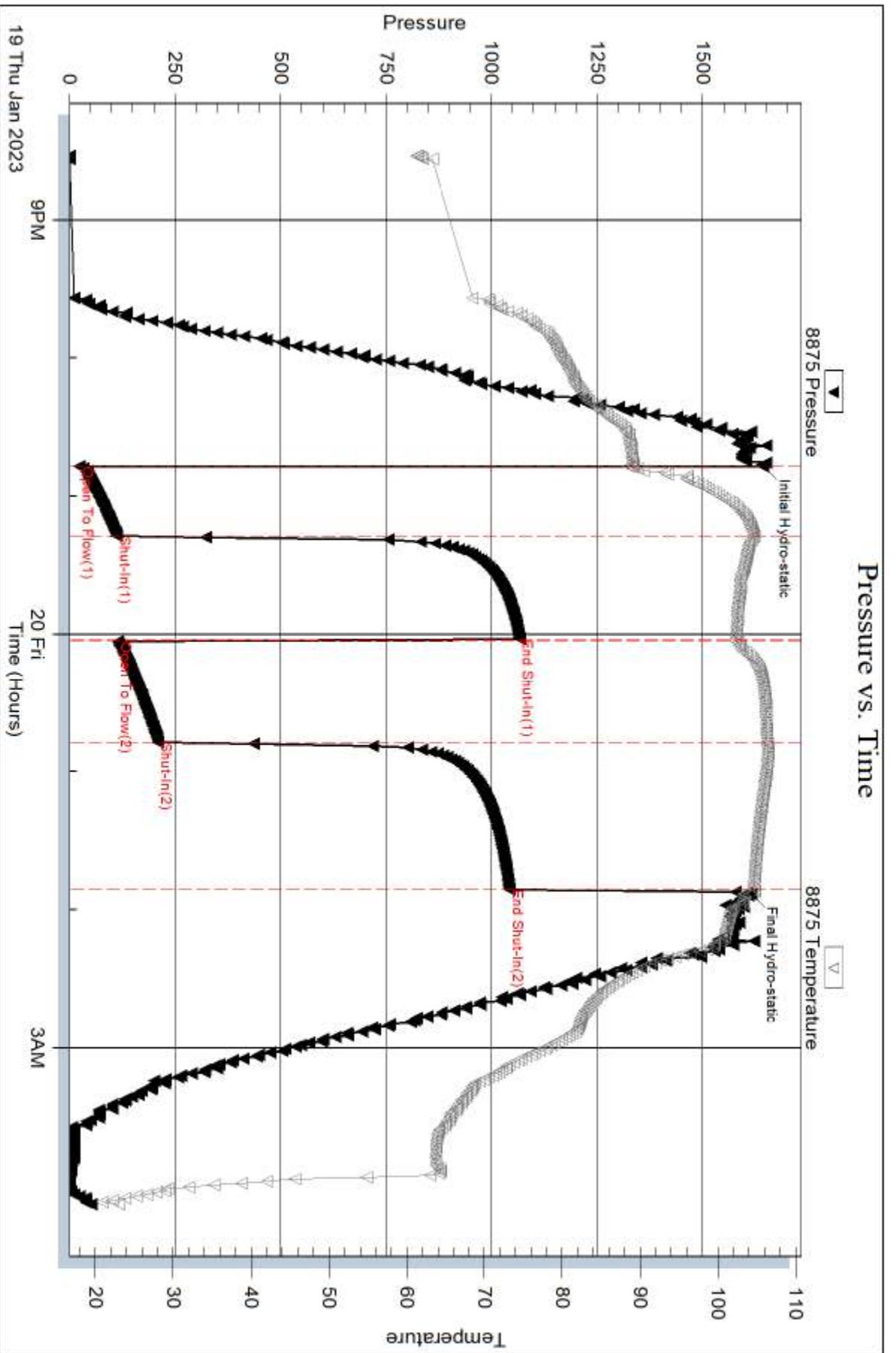
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM

RW=.391@17F



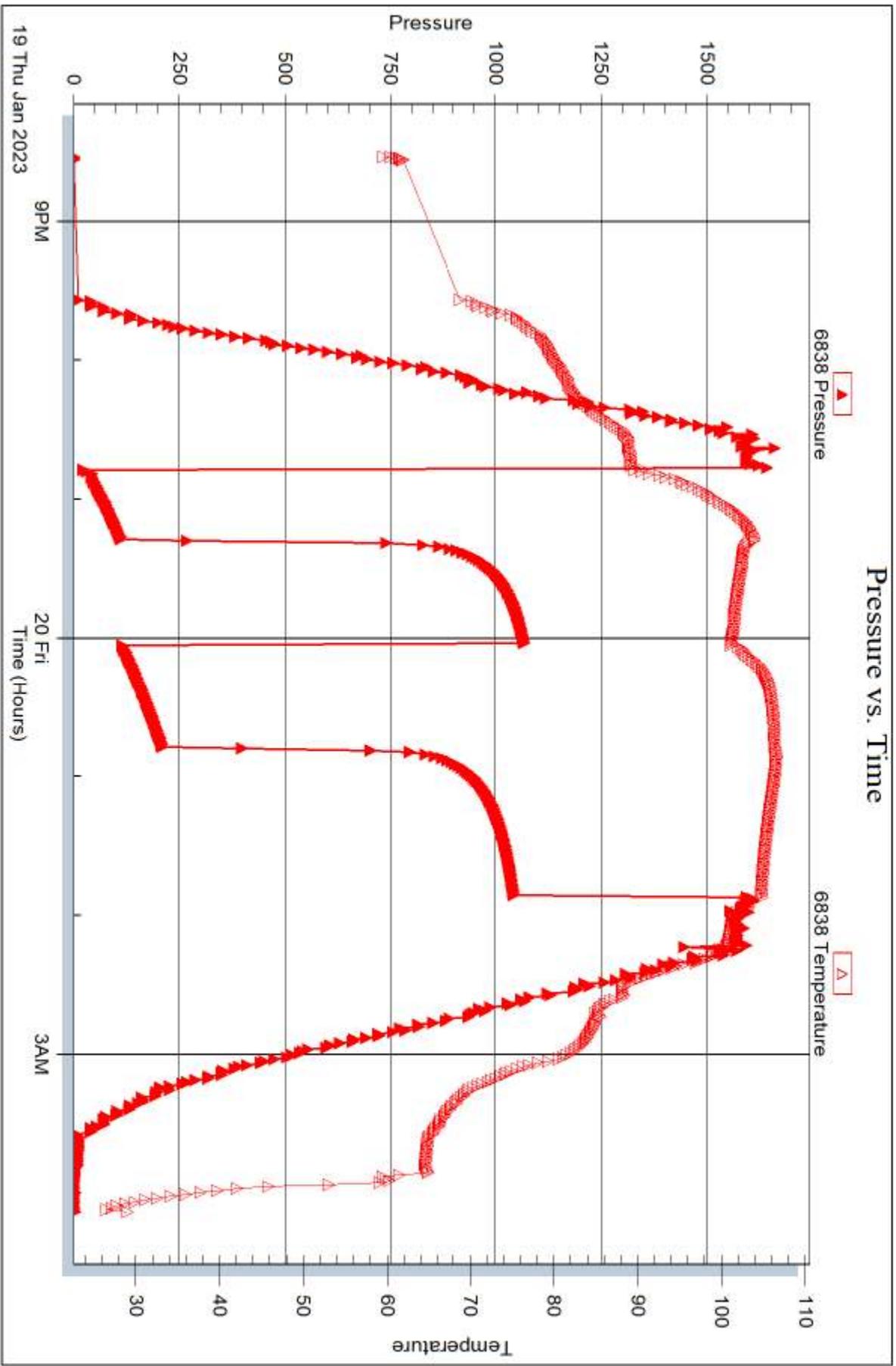
Serial #: 6838

Inside

BlueRidge Petroleum Corporation

Legletter #1-10

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 70025

Printed: 2023.01.24 @ 11:13:14



DRILL STEM TEST REPORT

Prepared For: **BlueRidge Petroleum Corporation**

PO Box 30545
Edmond OK 73003+0545

ATTN: Jeff Lawler

Legleiter #1-10

10-16s-18w Rush KS

Start Date: 2023.01.20 @ 16:53:00

End Date: 2023.01.20 @ 23:11:32

Job Ticket #: 70776 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2023.01.24 @ 11:10:53



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

BlueRidge Petroleum Corporation

10-16s-18w Rush KS

PO Box 30545
Edmond OK 73003+0545

Legleiter #1-10

Job Ticket: 70776

DST#: 3

ATTN: Jeff Lawler

Test Start: 2023.01.20 @ 16:53:00

GENERAL INFORMATION:

Formation: **LKC I-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:04:37

Time Test Ended: 23:11:32

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 3391.00 ft (KB) To 3459.00 ft (KB) (TVD)

Reference Elevations: 1950.00 ft (KB)

Total Depth: 3459.00 ft (KB) (TVD)

1942.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875

Inside

Press@RunDepth: 19.32 psig @ 3396.00 ft (KB)

Capacity: psig

Start Date: 2023.01.20

End Date:

2023.01.20

Last Calib.:

2023.01.20

Start Time: 16:53:01

End Time:

23:11:32

Time On Btm:

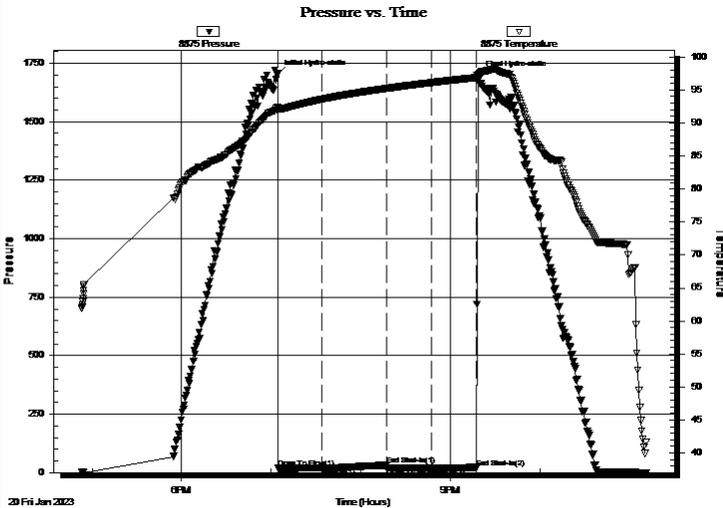
2023.01.20 @ 19:04:32

Time Off Btm:

2023.01.20 @ 21:19:17

TEST COMMENT: 30-IF-Surface to 1.25"
45-ISI-No Return
30-FF-Weak Surface
30-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1705.16	92.41	Initial Hydro-static
1	18.26	91.80	Open To Flow (1)
30	19.93	93.60	Shut-In(1)
73	31.43	95.23	End Shut-In(1)
73	19.37	95.23	Open To Flow (2)
103	19.32	96.11	Shut-In(2)
134	22.33	96.91	End Shut-In(2)
135	1700.84	97.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100%M	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

BlueRidge Petroleum Corporation

10-16s-18w Rush KS

PO Box 30545
Edmond OK 73003+0545

Legleiter #1-10

Job Ticket: 70776

DST#: 3

ATTN: Jeff Lawler

Test Start: 2023.01.20 @ 16:53:00

Tool Information

Drill Pipe:	Length: 3349.00 ft	Diameter: 3.82 inches	Volume: 47.47 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	49000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	44000.00 daN
Depth to Top Packer:	3391.00 ft			Final	44000.00 daN
Depth to Bottom Packer:	ft				
Interval between Packers:	68.00 ft				
Tool Length:	95.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3365.00	
Shut In Tool	5.00			3370.00	
Hydraulic tool	5.00			3375.00	
Gap Sub	4.00			3379.00	
Safety Joint	3.00			3382.00	
Packer	5.00			3387.00	27.00 Bottom Of Top Packer
Packer	4.00			3391.00	
Stubb	1.00			3392.00	
Perforations	3.00			3395.00	
Change Over Sub	1.00			3396.00	
Recorder	0.00	6838	Inside	3396.00	
Recorder	0.00	8875	Inside	3396.00	
Drill Pipe	63.00			3459.00	68.00 Bottom Packers & Anchor

Total Tool Length: 95.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

BlueRidge Petroleum Corporation

10-16s-18w Rush KS

PO Box 30545
Edmond OK 73003+0545

Legleiter #1-10

Job Ticket: 70776

DST#: 3

ATTN: Jeff Lawler

Test Start: 2023.01.20 @ 16:53:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Mud 100%M	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM

Serial #: 8875

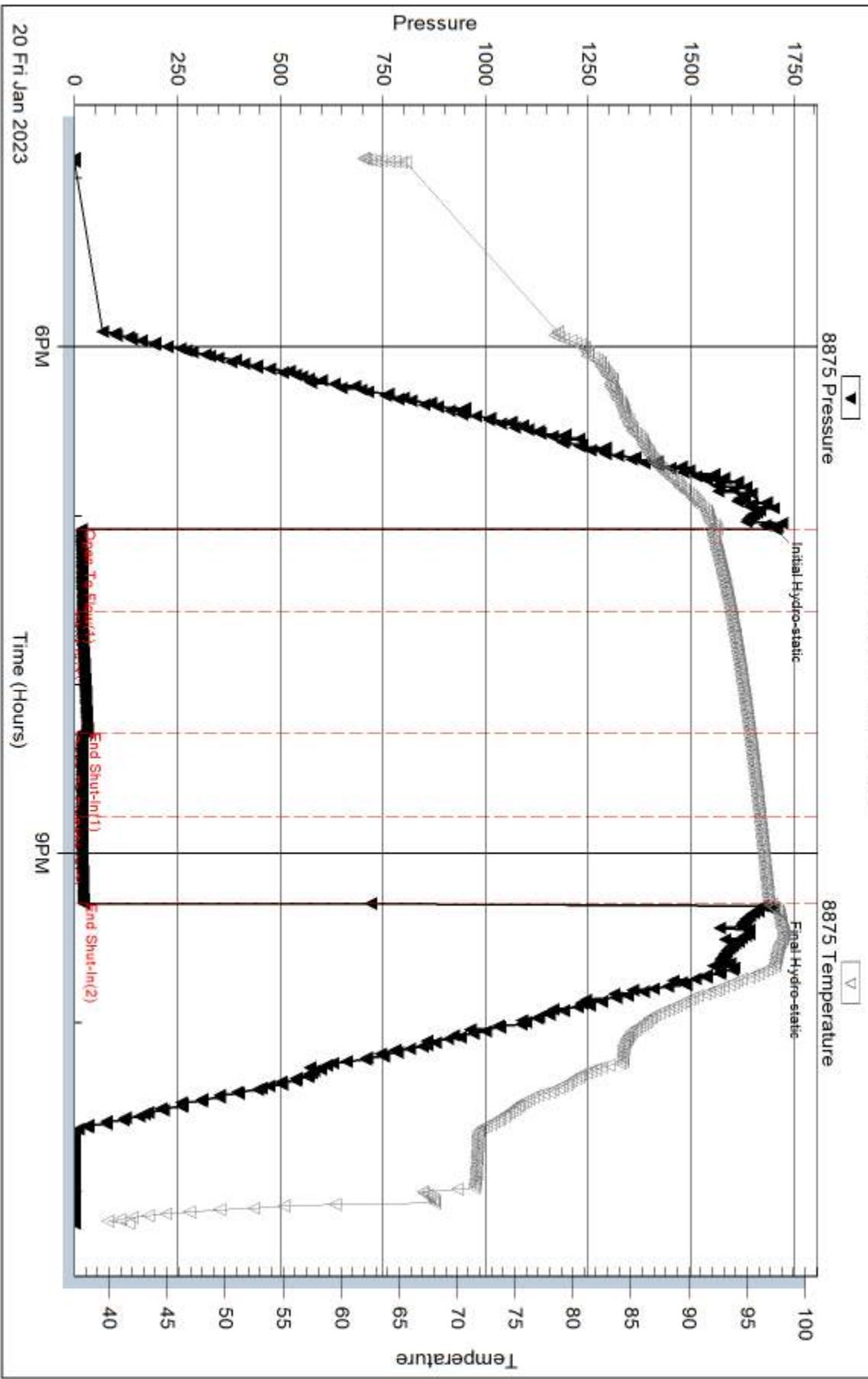
Inside

BlueRidge Petroleum Corporation

Legleiter #1-10

DST Test Number: 3

Pressure vs. Time



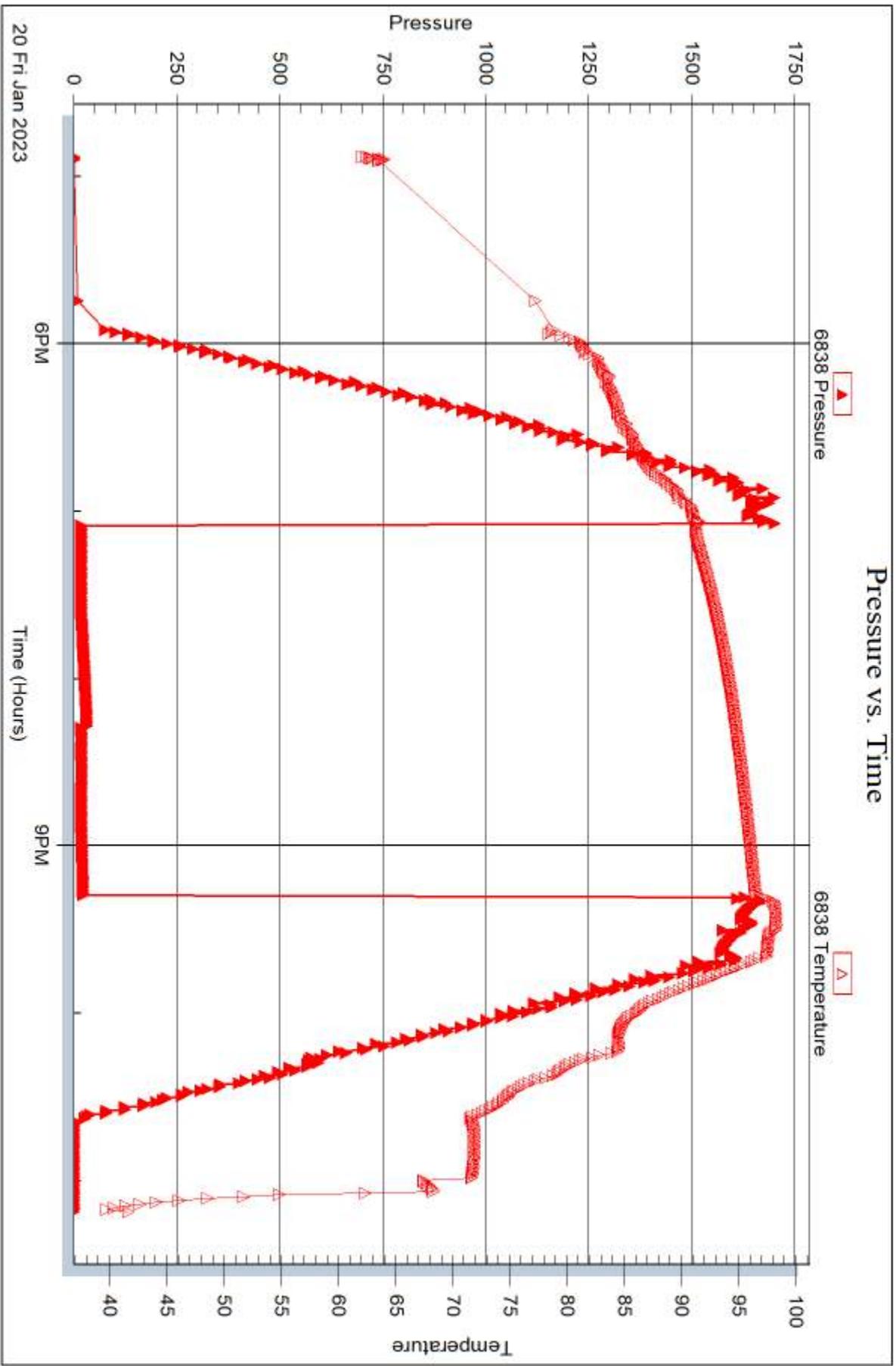
Serial #: 6838

Inside

BlueRidge Petroleum Corporation

Legletter #1-10

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 70776

Printed: 2023.01.24 @ 11:10:54



DRILL STEM TEST REPORT

Prepared For: **BlueRidge Petroleum Corporation**

PO Box 30545
Edmond OK 73003+0545

ATTN: Jeff Lawler

Legleiter #1-10

10-16s-18w Rush KS

Start Date: 2023.01.21 @ 08:49:00

End Date: 2023.01.21 @ 17:32:02

Job Ticket #: 70777 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2023.01.24 @ 11:10:21



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

BlueRidge Petroleum Corporation

10-16s-18w Rush KS

PO Box 30545
Edmond OK 73003+0545

Legleiter #1-10

Job Ticket: 70777

DST#: 4

ATTN: Jeff Lawler

Test Start: 2023.01.21 @ 08:49:00

GENERAL INFORMATION:

Formation: **Basal Penn Ss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:37:52

Time Test Ended: 17:32:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 3469.00 ft (KB) To 3540.00 ft (KB) (TVD)

Reference Elevations: 1950.00 ft (KB)

Total Depth: 3540.00 ft (KB) (TVD)

1942.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8875

Inside

Press@RunDepth: 1151.29 psig @ 3473.00 ft (KB)

Capacity: psig

Start Date: 2023.01.21

End Date:

2023.01.21

Last Calib.:

2023.01.21

Start Time: 08:49:01

End Time:

17:32:02

Time On Btm:

2023.01.21 @ 10:37:42

Time Off Btm:

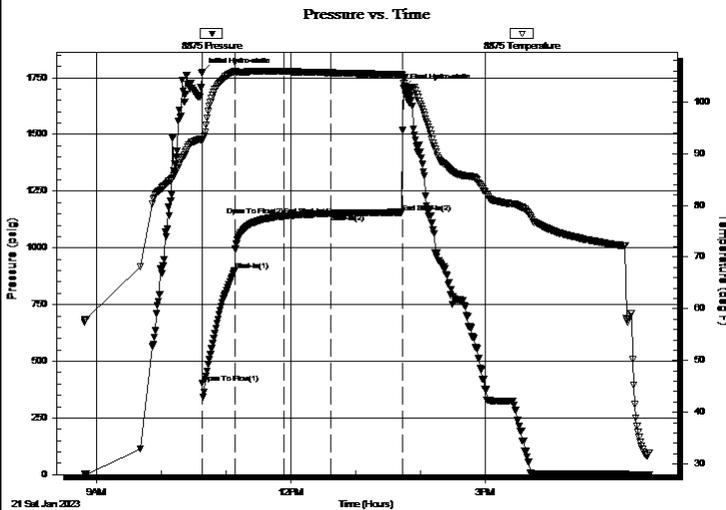
2023.01.21 @ 13:44:27

TEST COMMENT: 30-IF-BOB 30 secs Built to 310"

45-ISI-No Return

45-FF-Surface Blow

60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1775.67	92.72	Initial Hydro-static
1	404.33	92.51	Open To Flow (1)
31	899.81	105.87	Shut-In(1)
76	1140.58	105.89	End Shut-In(1)
76	1140.63	105.89	Open To Flow (2)
120	1151.29	105.61	Shut-In(2)
186	1157.30	105.32	End Shut-In(2)
187	1705.73	103.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1400.00	SMCW 5%M 95%W	19.57
555.00	WCM 20%W 80%M	7.87
0.00	Bottom 30 ft w as sand packed	0.00
0.00	Sampler w as full of sand	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

BlueRidge Petroleum Corporation

10-16s-18w Rush KS

PO Box 30545
Edmond OK 73003+0545

Legleiter #1-10

Job Ticket: 70777

DST#: 4

ATTN: Jeff Lawler

Test Start: 2023.01.21 @ 08:49:00

Tool Information

Drill Pipe:	Length: 3442.00 ft	Diameter: 3.82 inches	Volume: 48.79 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	62000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
			- bbl	String Weight: Initial	36000.00 daN
Drill Pipe Above KB:	35.00 ft			Final	47000.00 daN
Depth to Top Packer:	3469.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	71.00 ft				
Tool Length:	103.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			3438.00		
Shut In Tool	5.00			3443.00		
Hydraulic tool	5.00			3448.00		
Jars	5.00			3453.00		
Gap Sub	4.00			3457.00		
Safety Joint	3.00			3460.00		
Packer	5.00			3465.00	32.00	Bottom Of Top Packer
Packer	4.00			3469.00		
Stubb	1.00			3470.00		
Perforations	2.00			3472.00		
Change Over Sub	1.00			3473.00		
Recorder	0.00	6838	Inside	3473.00		
Recorder	0.00	8875	Inside	3473.00		
Drill Pipe	63.00			3536.00		
Change Over Sub	1.00			3537.00		
Bullnose	3.00			3540.00	71.00	Bottom Packers & Anchor
Total Tool Length:	103.00					



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

BlueRidge Petroleum Corporation

10-16s-18w Rush KS

PO Box 30545
Edmond OK 73003+0545

Legleiter #1-10

Job Ticket: 70777

DST#: 4

ATTN: Jeff Lawler

Test Start: 2023.01.21 @ 08:49:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

42500 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1400.00	SMCW 5%M 95%W	19.568
555.00	WCM 20%W 80%M	7.867
0.00	Bottom 30 ft w as sand packed	0.000
0.00	Sampler w as full of sand	0.000

Total Length: 1955.00 ft Total Volume: 27.435 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM

RW=.433@28F

Serial #: 8875

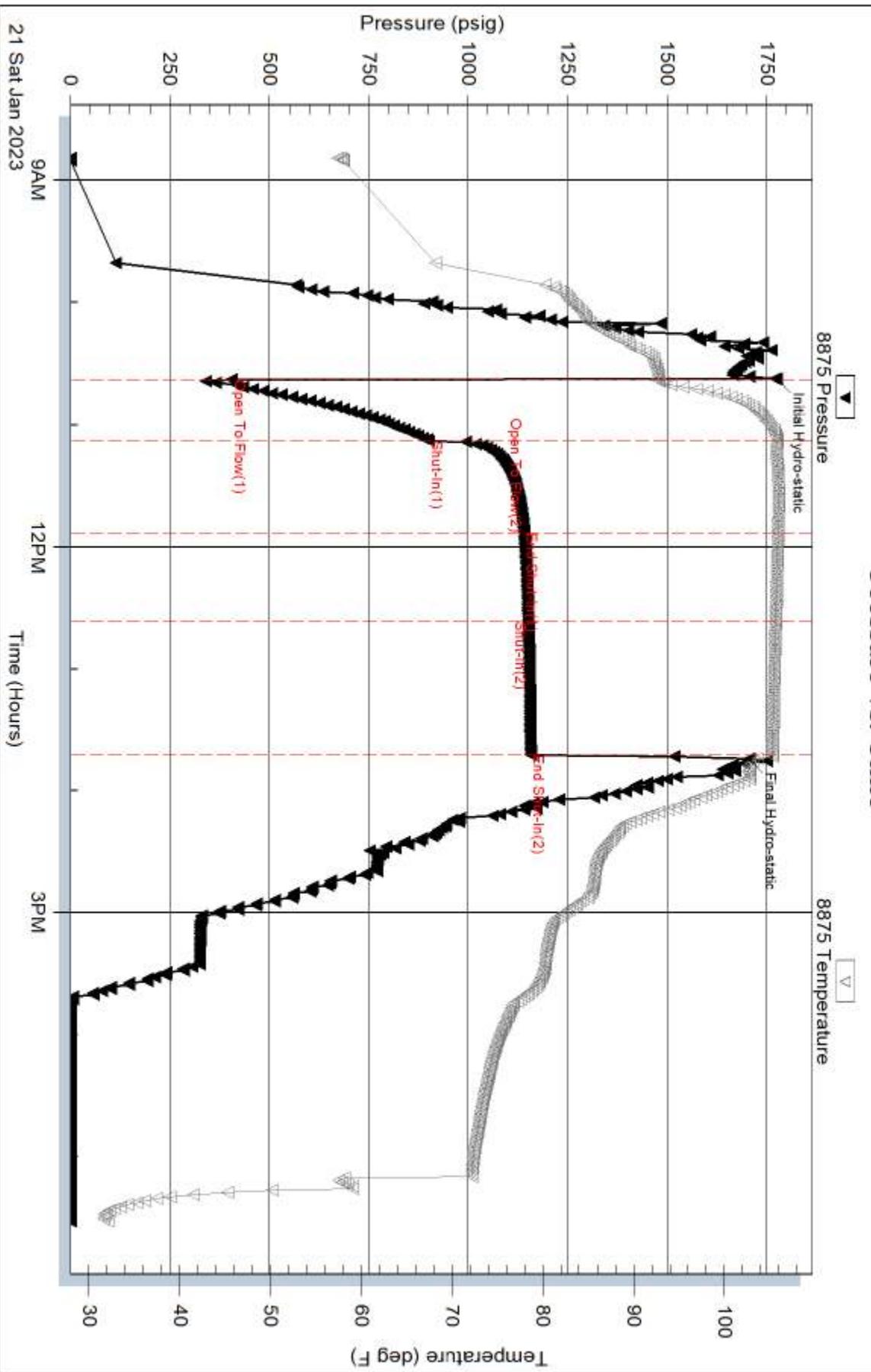
Inside

BlueRidge Petroleum Corporation

Legletter #1-10

DST Test Number: 4

Pressure vs. Time



Trilobe Testing, Inc

Ref. No: 70777

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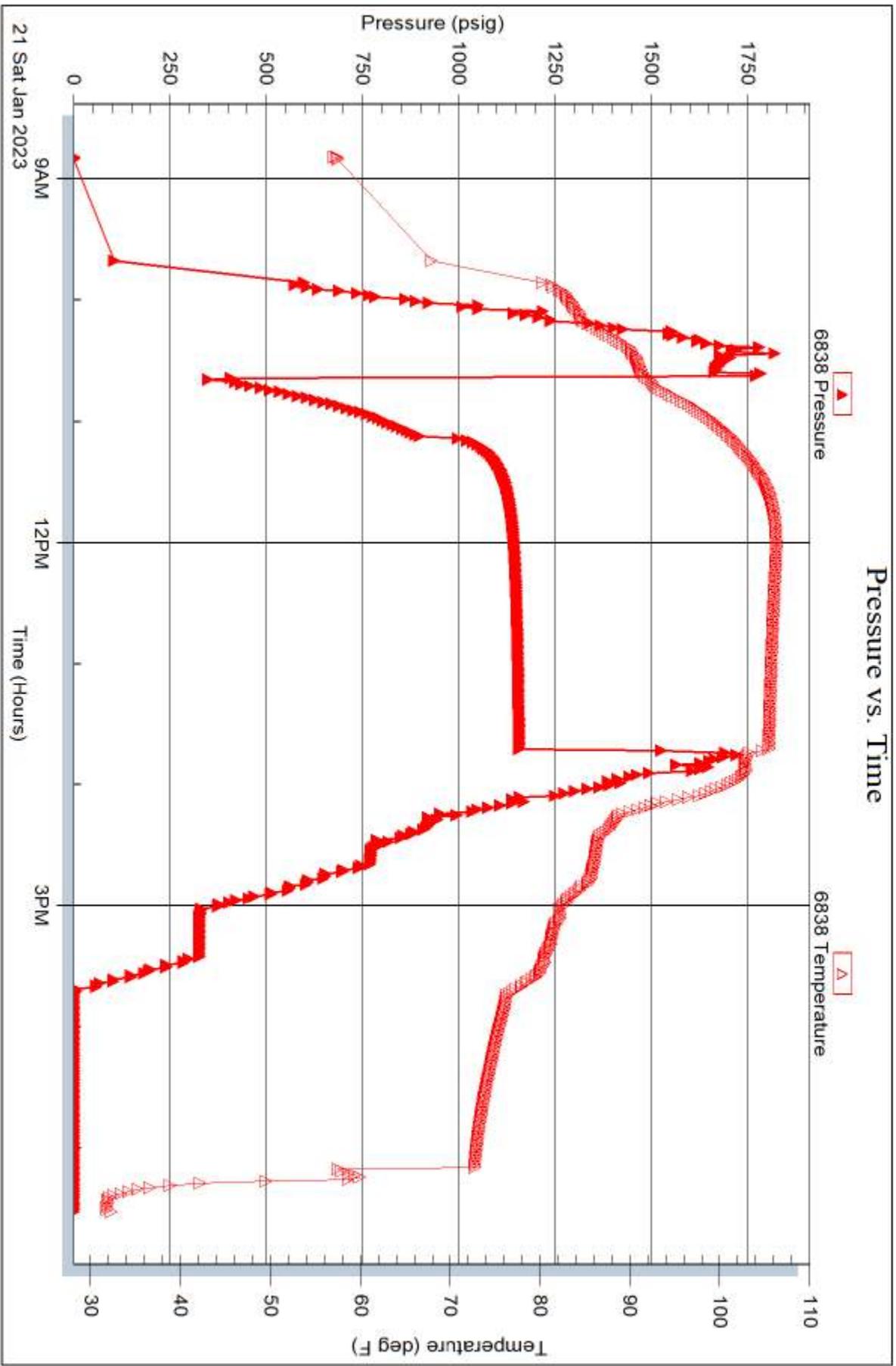
Serial #: 6838

Inside

BlueRidge Petroleum Corporation

Legletter #1-10

DST Test Number: 4



Tribble Testing, Inc

Ref. No: 70777

Printed: 2023.01.24 @ 11:10:21



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70024

Well Name & No. Legleiter #1-10 Test No. 1 Date 01/19/2023
 Company Blue Ridge Petroleum Corporation Elevation 1950 KB 1942 GL
 Address PO Box 30545 Edmond OK 73003 + 0545
 Co. Rep / Geo Jeff Lawler Rig Discovery #2
 Location: Sec. 10 Twp 16S Rge. 18W Co. Rush State KS

Interval Tested 3218' - 3301' Zone Tested Layers A-D
 Anchor Length 83' Drill Pipe Run 3189' Mud Wt. 8.7
 Top Packer Depth 3213' Drill Collars Run 30' Vis 60
 Bottom Packer Depth 3218' Wt. Pipe Run — WL 6.0
 Total Depth 3301' Chlorides 5600 ppm System LCM 2#

Blow Description 17-Surface to 7"
15D-Very Weak Surface @ 3 mins; Built to 1/2"; Died back to Surface
77-Surface to 10"
75D-Surface to 1/4"; Died @ 25 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>110'</u>	<u>GLWM</u>	<u>15</u>	<u>30</u>	<u>55</u>	
<u>50</u>	<u>GVSOCM</u>	<u>3</u>	<u>2</u>	<u>95</u>	
	<u>180' GIP</u>	<u>100</u>			

Rec Total 160' BHT 97° Gravity — API RW .376 @ 42 °F Chlorides 31,000 ppm

Initial Hydrostatic 1673 Test 1800 Ruined Shale Packer
 Initial Flow 21 to 34 Jars 300 Ruined Packer
 Initial Shut-In 1068 Circ Sub Hotel
 Final Flow 56 to 87 Hourly Standby EM Tool Successful
 Final Shut-In 1052 Mileage 4227 73.50 Accessibility
 Final Hydrostatic 1669 Sampler Gas Sample
 T-On Location 03:52 Straddle Sub Total 0
 Initial Flow 30 T-Started 06:40 Shale Packer Total 2173.50
 Initial Shut-In 45 T-Open 08:59 Extra Packer Tool Loaded @
 Final Flow 45 T-Pulled 11:59 Extra Recorder MP/DST Disc't
 Final Shut-In 60 T-Out 13:51 Day Standby 2173.50

Comments _____

Approved By _____ Our Representative Spencer J. Staab Thanks!

TriLOBITE Testing Inc. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

785-259-0856



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70025

Well Name & No. Legleiter #1-10 Test No. 2 Date 01/19/2023
 Company Blue Ridge Petroleum Corporation Elevation 1950 KB 1942 GL
 Address PO Box 30545 Edmond OK 73003 +0545
 Co. Rep / Geo Jeff Lawler Rig Discovery #2
 Location: Sec. D48 Twp 16S Rge. 18W Co. Rush State OK

Interval Tested 3296'-3320' Zone Tested LHC E-7
 Anchor Length 24' Drill Pipe Run 3253' Mud Wt. 9.1
 Top Packer Depth 3291' Drill Collars Run 30' Vis 60
 Bottom Packer Depth 3296' Wt. Pipe Run - WL 6.4
 Total Depth 3320' Chlorides 5700 ppm System LCM 2#

Blow Description 17-BOB 15 min; Built to 19"
1SD - No Return
77-BOB 20 mins; Built to 20"
7SD - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>440'</u>	<u>M.C.W</u>			<u>80</u>	<u>20</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 440' BHT 104° Gravity - API RW 391 @ 17 °F Chlorides 53,000 ppm
 Initial Hydrostatic 1643 Test 1800 Ruined Shale Packer
 Initial Flow 23 to 112 Jars 300 Ruined Packer
 Initial Shut-In 1067 Circ Sub Hotel
 Final Flow 114 to 211 Hourly Standby EM Tool Successful -175
 Final Shut-In 1042 Mileage 42.27 73.50 Accessibility
 Final Hydrostatic 1614 Sampler Gas Sample
 T-On Location 19:40 Straddle Sub Total -175
 Initial Flow 30 T-Started 20:32 Shale Packer Total 1998.50
 Initial Shut-In 45 T-Open 22:45 Extra Packer Tool Loaded @
 Final Flow 45 T-Pulled 01:45 01/24/2023 Extra Recorder MP/DST Disc't
 Final Shut-In 60 T-Out 04:06 Day Standby

Comments _____

Approved By _____ Our Representative Spencer J. Staal Thanks!

Trilobite Testing Inc. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70776

Well Name & No. Legleiter #1-10 Test No. 3 Date 01/20/2023
 Company Blue Ridge Petroleum Corporation Elevation 1950 KB 1942 GL
 Address PO BOX 30545 Edmond OK 73003 + 0545
 Co. Rep / Geo Jeff Lawler Rig Discovery #2
 Location: Sec. 10 Twp 16S Rge. 18W Co. Rush State OK

Interval Tested 3391' - 3459' Zone Tested LKC J-K
 Anchor Length 68' Drill Pipe Run 3349' Mud Wt. 9.0
 Top Packer Depth 3386' Drill Collars Run 30' Vis 51
 Bottom Packer Depth 3391' Wt. Pipe Run - WL 7.2
 Total Depth 3459' Chlorides 6700 ppm System LCM #

Blow Description 17-Surface to 1 1/4"
1SD-No Return
77-Weak Surface
7SD-No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>3'</u>	<u>Mud</u>			<u>100</u>	

Rec Total 3' BHT 960 Gravity - API RW - @ - °F Chlorides - ppm
 Initial Hydrostatic 1705 Test 1800 Ruined Shale Packer
 Initial Flow 18 to 19 Jars Ruined Packer
 Initial Shut-In 31 Circ Sub Hotel
 Final Flow 19 to 19 Hourly Standby EM Tool Successful -175
 Final Shut-In 22 Mileage 42.17 73.50 Accessibility
 Final Hydrostatic 1700 Sampler Gas Sample
 T- On Location 15:50 Straddle Oversized Hole
 Initial Flow 30 T-Started 16:53 Shale Packer Sub Total -175
 Initial Shut-In 45 T-Open 19:02 Extra Packer Total 1698.50
 Final Flow 30 T-Pulled 21:15 Extra Recorder Tool Loaded @
 Final Shut-In 30 T-Out 23:10 Day Standby MP/DST Disc't

Comments _____

Approved By _____ Our Representative Spencer J. Staal Thanks!

Trilobite Testing Inc. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

785-259-005



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70777

Well Name & No. Segleiter #1-10 Test No. 4 Date 01/21/2023
 Company Blue Ridge Petroleum Corporation Elevation 1950 KB 1942 GL
 Address PO BOX 30545 Edmond OK 73003+0545
 Co. Rep / Geo Jeff Lawler Rig Discovery #2
 Location: Sec. 98 Twp 16S Rge. 18W Co. Kush State KS

Interval Tested 3469' - 3540' Zone Tested Basal Penn Ss
 Anchor Length 71' Drill Pipe Run 3442' Mud Wt. 9.1
 Top Packer Depth 3464' Drill Collars Run 30 Vis 57
 Bottom Packer Depth 3469' Wt. Pipe Run - WL 7.2
 Total Depth 3540 Chlorides 7200 ppm System LCM 1#

Blow Description J7-BOB 30 secs; 310" Build
JSD- No Return
J7- Surface Blow
JSD- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>1400'</u>	<u>SMCW Bottom 30' was Sand</u>		<u>95</u>	<u>5</u>	
<u>555'</u>	<u>WCM</u>		<u>20</u>	<u>80</u>	
	<u>Sampler was full of Sand</u>				

Rec Total 1955 BHT 105° Gravity - API RW .433 @ 28 °F Chlorides 42,500 ppm
 Initial Hydrostatic 1775 Test 1800 Ruined Shale Packer
 Initial Flow 404 to 899 Jars Ruined Packer
 Initial Shut-In 1140 Circ Sub Hotel
 Final Flow 1140 to 1151 Hourly Standby EM Tool Successful
 Final Shut-In 1157 Mileage 4227 73.50 Accessibility
 Final Hydrostatic 1705 Sampler 300 Gas Sample
 T- On Location 08:10 Straddle Oversized Hole
 Initial Flow 30 T-Started 08:49 Shale Packer Sub Total 0
 Initial Shut-In 45 T-Open 10:36 Extra Packer Total 2173.50
 Final Flow 45 T-Pulled 13:36 Extra Recorder Tool Loaded 01/21 @ 18:30
 Final Shut-In 60 T-Out 17:30 Day Standby MP/DST Disc't

Comments _____

Approved By _____ Our Representative Spencer J. Neal Thanks!

Trilobite Testing Inc. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

785-259-0057



BlueRidge Petroleum Corporation



P.O. Box 30545
Edmond, OK 73003
(580) 242-3732

Scale 1:240 Imperial

Well Name:	LEGLEITER #1-10	
Surface Location:	SW SW SE SW Sec. 10 - 16S - 18W	
Bottom Location:		
API:	15-165-22182	
License Number:	31930	
Spud Date:	1/13/2023	Time: 9:15 PM
Region:	RUSH COUNTY KANSAS	
Drilling Completed:	1/22/2023	Time: 12:30 AM
Surface Coordinates:	100' FSL & 1415' FW	
Bottom Hole Coordinates:		
Ground Elevation:	1942.00ft	
K.B. Elevation:	1950.00ft	
Logged Interval:	1800.00ft	To: 3610.00ft
Total Depth:	3610.00ft	
Formation:		
Drilling Fluid Type:	Chemical/Fresh Water Gel	

OPERATOR

Company: BLUERIDGE PETROLEUM CORPORATION
Address: P.O. BOX 30545
EDMOND, OK 73003

Contact Geologist:	JONATHEN ALLEN	
Contact Phone Nbr:	(580) 242-3732	
Well Name:	LEGLEITER #1-10	
Location:	SW SW SE SW Sec. 10 - 16S - 18W	
API:	15-165-22182	
Pool:		Field: UNNAMED
State:	Kansas	Country: USA

SURFACE CO-ORDINATES

Well Type:	Vertical
Longitude:	-99.304259
Latitude:	38.669893
N/S Co-ord:	100' FSL
E/W Co-ord:	1415' FW

LOGGED BY



Company: BIG CREEK CONSULTING, INC
Address: 3504 DUNCAN ST
ST. JOE, MO 64507

Phone Nbr:	(785) 259-3737	
Logged By:	Geologist	Name: JEFF LAWLER

CONTRACTOR

Contractor: DISCOVERY DRILLING
 Rig #: 2
 Rig Type: MUD ROTARY
 Spud Date: 1/13/2023
 TD Date: 1/22/2023
 Rig Release: 1/22/2023

Time: 9:15 PM
 Time: 12:30 AM
 Time: 11:00 PM

ELEVATIONS

K.B. Elevation: 1950.00ft
 K.B. to Ground: 8.00ft
 Ground Elevation: 1942.00ft

NOTES

WELL COMPARISON SHEET

D&A				P&A 7/2014				LIBOC, INC.				D&A								
WILL P. ASH				LOTUS OPERATING CO.				SHENANDAH OIL CORP.												
LEGLEITER #1				MORRIS HERL #1				LEGLEITER #1-2				V. R. SCHAFFER #1								
SE NW NE 16-16-18				C W/2 SW NE 3-16-18				SW SW 2-16-18				CS NW 14-16-18								
LEGLEITER #1-10		1986		1939		2012		2036												
KB	1950	3586	1942	KB	1986	KB	1939	KB	2012	KB	2036									
LOG TOPS		SAMPLE TOPS		COMP. CARD		LOG		LOG		LOG										
DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM									
LOG TOPS	DATUM	SAMPLE TOPS	DATUM	COMP. CARD	DATUM	LOG	DATUM	LOG	DATUM	LOG	DATUM									
LOG TOPS	DATUM	SAMPLE TOPS	DATUM	LOG CORR.	SMPL. CORR.	LOG CORR.	SMPL. CORR.	LOG CORR.	SMPL. CORR.	LOG CORR.	SMPL. CORR.									
ANHYDRITE TOP	1087	863	1087	863	1134	852	+ 11	+ 11	1084	855	+ 8	+ 8	1148	864	- 1	- 1	1150	886	- 23	- 23
BASE	1121	829	1123	827					1179	833	- 4	- 6	1188	848	- 19	- 21				
HERINGTON - KRIDER	1907	43	1903	47					1884	55	- 12	- 8	1977	35	+ 8	+ 12				
WINFIELD	1958	-8	1967	-17					1938	1	- 9	- 18	2027	-15	+ 7	- 2				
TOWANDA	2035	-85	2047	-97					2013	-74	- 11	- 23	2100	-88	+ 3	- 9				
FORT RILEY	2068	-118	2070	-120					2047	-108	- 10	- 12	2134	-122	+ 4	+ 2				
WRELFORD	2204	-254	2207	-257					2186	-247	- 7	- 10	2269	-257	+ 3	+ 0				
RED EAGLE	2445	-495	2446	-496					2426	-487	- 8	- 9	2511	-499	+ 4	+ 3				
FORAKER	2465	-515	2466	-516					2451	-512	- 3	- 4	2530	-518	+ 3	+ 2				
WABAUNSEE	2607	-657	2610	-660					2587	-648	- 9	- 12	2666	-654	- 3	- 6				
TARKIO	2717	-767	2717	-767					2696	-757	- 10	- 10	2778	-766	- 1	- 1				
HOWARD	2894	-944	2897	-947					2873	-934	- 10	- 13	2954	-942	- 2	- 5				
TOPEKA	2947	-997	2950	-1000	2953	-967	- 30	- 33	2926	-987	- 10	- 13	3007	-995	- 2	- 5	3023	-987	- 10	- 13
HEEBNER	3184	-1234	3189	-1239	3223	-1237	+ 3	- 2	3161	-1222	- 12	- 17	3243	-1231	- 3	- 8	3260	-1224	- 10	- 15
TORONTO	3202	-1252	3207	-1257	3245	-1259	+ 7	+ 2	3180	-1241	- 11	- 16	3262	-1250	- 2	- 7	3278	-1242	- 10	- 15
LKC	3234	-1284	3234	-1284	3272	-1286	+ 2	+ 2	3209	-1270	- 14	- 14	3292	-1280	- 4	- 4	3310	-1274	- 10	- 10
BKC	3472	-1522	3476	-1526	3518	-1532	+ 10	+ 6	3437	-1498	- 24	- 28	3515	-1503	- 19	- 23	3557	-1521	- 1	- 5
PENN. BASALSAND	3535	-1585	3536	-1586	3565	-1579	- 6	- 7	3487	-1548	- 37	- 38	3566	-1554	- 31	- 32	3598	-1562	- 23	- 24
ARBUCKLE	3548	-1598	3548	-1598	3577	-1591	- 7	- 7	3504	-1565	- 33	- 33	3592	-1580	- 18	- 18	3609	-1573	- 25	- 25
REAGAN	3575	-1625	3586	-1636					3602	-1663	+ 38	+ 27	3675	-1663	+ 38	+ 27	3675	-1639	+ 14	+ 3
TOTAL DEPTH	3609	-1659	3610	-1660	3632	-1646	- 13	- 14	3610	-1671	+ 12	+ 11	3702	-1690	+ 31	+ 30	3679	-1643	- 16	- 17

DST #2 LKC A - D 3218' - 3301'



DRILL STEM TEST REPORT

BlueRidge Petroleum Corporation **10-16s-18w Rush KS**

PO BOX 30545 **Legleiter #1-10**

ATTN: Jeff Lawler **Job Ticket: 70024 DST#: 1**

Test Start: 2023.01.19 @ 06:40:00

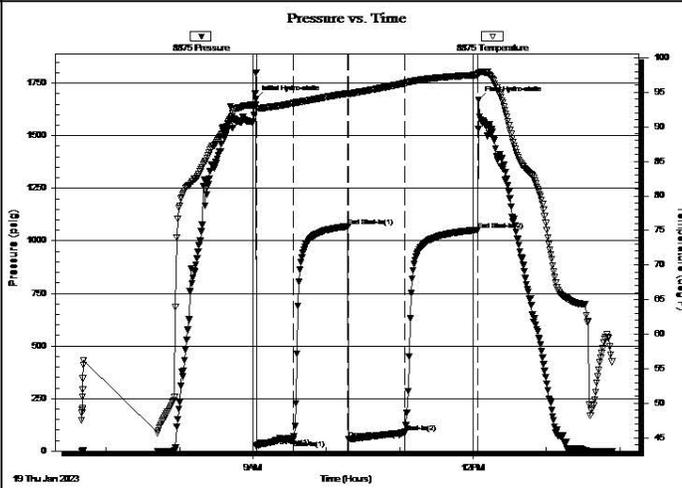
GENERAL INFORMATION:

Formation: **Lans A-D**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:02:52
 Time Test Ended: 13:53:47
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Spencer J Staab
 Unit No: 84
 Interval: **3218.00 ft (KB) To 3301.00 ft (KB) (TVD)**
 Reference Elevations: 1950.00 ft (KB)
 Total Depth: 3301.00 ft (KB) (TVD)
 1942.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 KB to GR/CF: 8.00 ft

Serial #: 8875 Inside

Press@RunDepth: 87.78 psig @ 3221.00 ft (KB) Capacity: psig
 Start Date: 2023.01.19 End Date: 2023.01.19 Last Calib.: 2023.01.19
 Start Time: 06:40:01 End Time: 13:53:47 Time On Btm: 2023.01.19 @ 09:02:32
 Time Off Btm: 2023.01.19 @ 12:04:37

TEST COMMENT: 30-IF-Surface to 7" Soft fill before tool opened No Slide
 45-IS-Very Weak Surface @ 3 mins Built to 1/2" Died back to 1/4"
 45-FF-Surface to 10"
 60-FSL-Surface to 1/4" Died @ 25 mins



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1673.18	93.11	Initial Hydro-static
1	21.43	92.67	Open To Flow (1)
31	54.60	93.40	Shut-In(1)
76	1068.41	94.82	End Shut-In(1)
76	56.95	94.71	Open To Flow (2)
122	87.78	96.32	Shut-In(2)
182	1052.33	97.52	End Shut-In(2)
183	1669.90	97.80	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
110.00	GWM 15% G 30%W 55%M	1.28
50.00	GVSOCM 3%G 2%O 95%M	0.71
0.00	180 GIP 100%G	0.00

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

Trilobite Testing, Inc

Ref. No: 70024

Printed: 2023.01.19 @ 16:48:01

DST #2 LKC E - F 3294' - 3320'

	DRILL STEM TEST REPORT	
	BlueRidge Petroleum Corporation PO BOX 30545 Edmond OK 73003+0545 ATTN: Jeff Lawler	10-16s-18w Rush KS Legleiter #1-10 Job Ticket: 70025 DST#: 2 Test Start: 2023.01.19 @ 20:32:00

GENERAL INFORMATION:

Formation: **LKC E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:47:02

Time Test Ended: 04:08:27

Interval: **3296.00 ft (KB) To 3320.00 ft (KB) (TVD)**

Total Depth: 3320.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Reference Elevations: 1950.00 ft (KB)

1942.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8875 **Outside**

Press@RunDepth: 211.03 psig @ 3297.00 ft (KB) Capacity: psig

Start Date: 2023.01.19 End Date: 2023.01.20 Last Calib.: 2023.01.20

Start Time: 20:32:01 End Time: 04:08:27 Time On Btm: 2023.01.19 @ 22:46:57

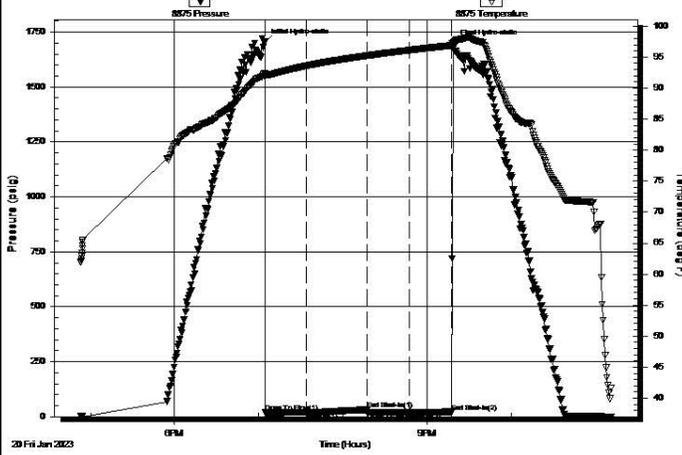
Time Off Btm: 2023.01.20 @ 01:53:02

TEST COMMENT: 30-IF-BOB 15 mins Built to 19"

45-ISI-No Return

45-FF-BOB 20 mins Built to 20"

60-FSI-No Return



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1705.16	92.41	Initial Hydro-static
1	18.26	91.80	Open To Flow (1)
30	19.93	93.60	Shut-In(1)
73	31.43	95.23	End Shut-In(1)
73	19.37	95.23	Open To Flow (2)
103	19.32	96.11	Shut-In(2)
134	22.33	96.91	End Shut-In(2)
135	1700.84	97.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100%M	0.01

* Recovery from multiple tests

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 70776

Printed: 2023.01.20 @ 23:17:52

DST #4 PENNSYLVANIAN SAND 3469' - 3540'

	DRILL STEM TEST REPORT	
	BlueRidge Petroleum Corporation PO BOX 30545 Edmond OK 73003+0545 ATTN: Jeff Lawler	10-16s-18w Rush KS Legleiter #1-10 Job Ticket: 70777 DST#: 4 Test Start: 2023.01.21 @ 08:49:00

GENERAL INFORMATION:

Formation: **Basal Penn Ss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:37:52
 Time Test Ended: 17:32:02
 Interval: **3469.00 ft (KB) To 3540.00 ft (KB) (TVD)**
 Total Depth: 3540.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J Staab
 Unit No: 84
 Reference Elevations: 1950.00 ft (KB)
 1942.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8875 **Inside**
 Press@RunDepth: 1151.29 psig @ 3473.00 ft (KB) Capacity: psig
 Start Date: 2023.01.21 End Date: 2023.01.21 Last Calib.: 2023.01.21
 Start Time: 08:49:01 End Time: 17:32:02 Time On Btm: 2023.01.21 @ 10:37:42
 Time Off Btm: 2023.01.21 @ 13:44:27

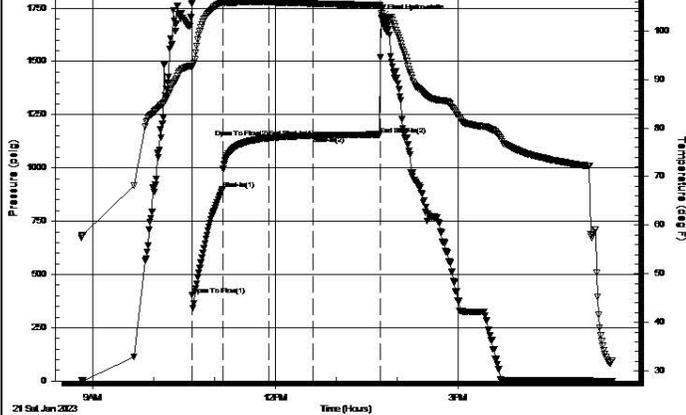
TEST COMMENT: 30-IF-BOB 30 secs Built to 310"
 45-ISI-No Return
 45-FF-Surface Blow
 60-FSI-No Return

Pressure vs. Time



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation



(Min.)	(psig)	(deg F)	
0	1775.67	92.72	Initial Hydro-static
1	404.33	92.51	Open To Flow (1)
31	899.81	105.87	Shut-In(1)
76	1140.58	105.89	End Shut-In(1)
76	1140.63	105.89	Open To Flow (2)
120	1151.29	105.61	Shut-In(2)
186	1157.30	105.32	End Shut-In(2)
187	1705.73	103.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1400.00	SMCW 5%M 95%W	19.57
555.00	WCM 20%W 80%M	7.87
0.00	Bottom 30 ft w as sand packed	0.00
0.00	Sampler w as full of sand	0.00

* Recovery from multiple tests

Gas Rates

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

Trilobite Testing, Inc

Ref. No: 70777

Printed: 2023.01.21 @ 17:45:01

ROCK TYPES

Cht	Dolsec	shale, grn	shale, red	Slst
Chtcongl	Lmst fw7>	shale, gry	Shcol	
Dolprim	Arg/Shale	Carbon Sh	Ss	

ACCESSORIES

STRINGER

- Limestone
- Sandstone
- Siltstone
- red shale

OTHER SYMBOLS

MISC

- Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

DST

- DST Int
- DST alt
- Core

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)

Curve Track #1		depth Intervals	lithology	Oil Show	TG, C1 - C5
ROP (min/ft)					Total Gas (units)
Gamma (API)					C1 (units)
Cal (in)					C2 (units)
					C3 (units)
					C4 (units)

D
Cored Interval
DST Interval

L
O

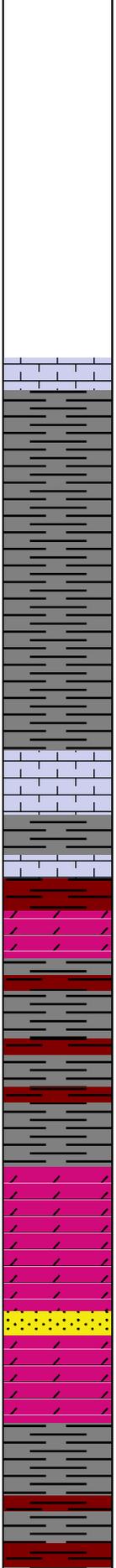
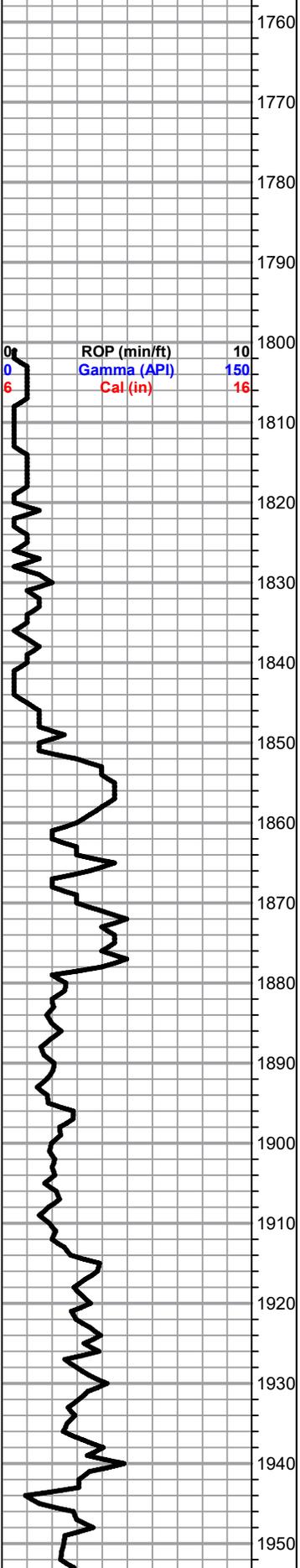
C4 (units)

1:240 Imperial

1:240 Imperial

0 ROP (min/ft) 10
0 Gamma (API) 150
6 Cal (in) 16

0 Total Gas (units) 200
0 C1 (units) 200
0 C2 (units) 200
0 C3 (units) 200
0 C4 (units) 200



1' DRILL TIME THROUGH ANHYDRITE FROM 830' - 920'
1' DRILL TIME FROM 1800' - RTD
10' WET/DRY SAMPLES FROM 1850' - RTD

GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 1800' - RTD

8 5/8" SURFACE PIPE SET @ 1097'

ANHYDRITE TOP 1087' (+863) E-LOG 1087' (+863)
ANHYDRITE BASE 1123' (+ 827) E-LOG 1121' (-829)

Lm- Cream, FXLN, sl fsl, dns XLN por

Sh- Gray Maroon, calcareous, earthy

Dol- Cream, FXLN, sl fsl, dns XLN por, mottled

Sh- Gray Maroon, calcareous, earthy, sandy, argillaceous

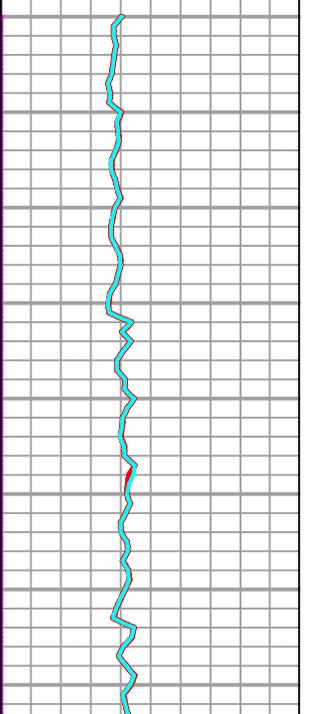
HERINGTON - KRIDER 1903' (+47) E-LOG 1907' (+43) Dol-
 Cream, FXLN, loosely cemented, dns XLN por, barren

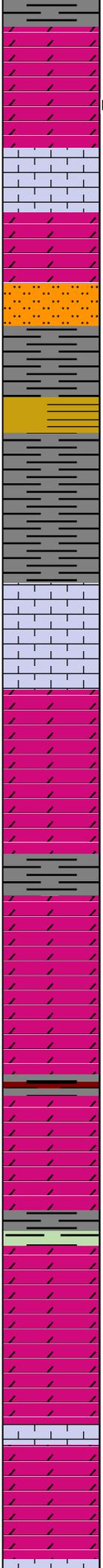
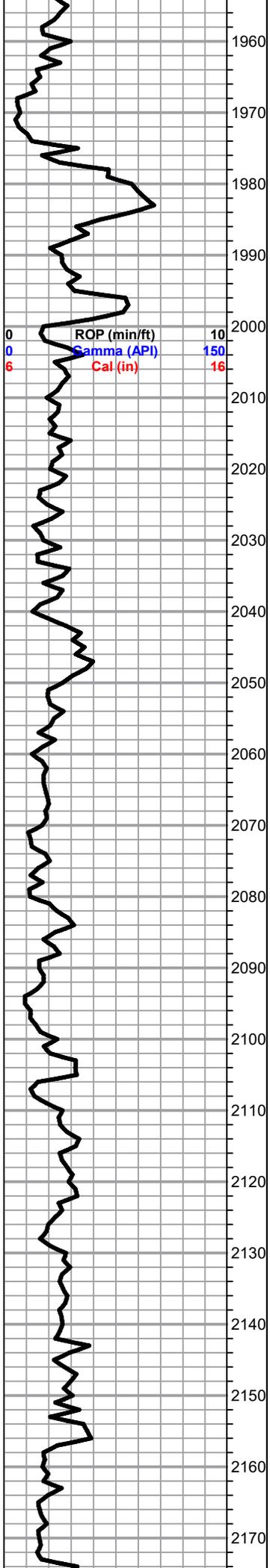
Ss- White/Black, Fn Grn, sub-rounded, loosely cemented, hvy spkld, consistent intergranular por, barren

Sh- Gray Maroon, waxy, earthy

A/A

BLOODHOUND GAS DETECTOR USED





WINFIELD 1967' (-17) E-LOG 1958' (-8) Dol- Off White, FXLN, friable, consistent XLN por, NO VIS STN, WK STRM WET CUT

Lm- Off White Gray, FXLN, sl fsl, spkld, dns XLN por

Lm- Gray, Fn Grn siltstone, interparticle por

Sh- Gray Maroon, waxy, calcareous, earthy

A/A w/ influx of argillaceous brown sandy wash

A/A

TOWANDA 2047' (-97) E-LOG 2035' (-85) Lm- Lt Gray, FXLN, loosely cemented, spkld

Lm- Cream, Fn Grn, loosely cemented, interparticle por

Dol- Cream, FXLN, dns, well cemented, dns XLN por, barren

Dol- Off White, FXLN, friable, consistent interparticle por, barren

FORT RILEY 2070' (-120) E-LOG 2068' (-118)

Sh- Gray Maroon, calcareous, earthy

Dol- Cream Buff, FXLN, loosely cemented, consistent interparticle por, barren

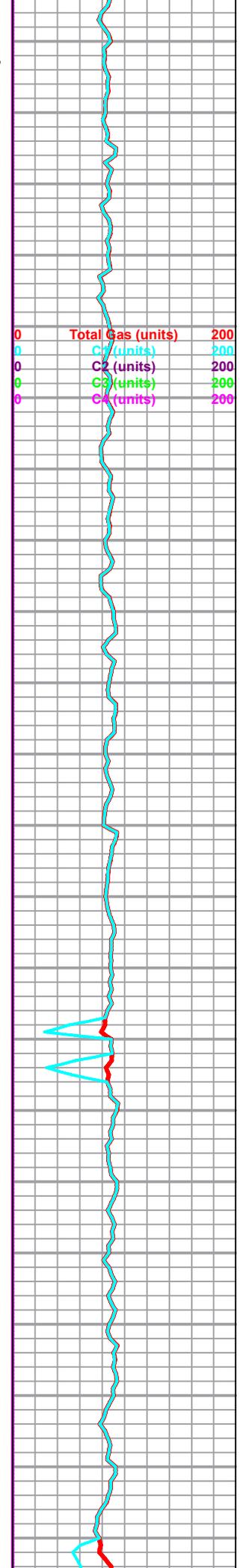
Sh- Gray Maroon, semi-waxy, earthy

Sh- A/A w/ waxy green shale

Dol- Off White, FXLN, consistent microXLN por, sucrosic, sandy

Lm- Cream Off White, FXLN, fsl, dns XLN por, sl cherty

Lm- Milky Gray, CRYSTOLIN, vitreous brittle cherty, ls, bry fal



2180
2190
2200
2210
2220
2230
2240
2250
2260
2270
2280
2290
2300
2310
2320
2330
2340
2350
2360
2370
2380
2390

ROP (min/ft) 10
Gamma (API) 150
Cal (in) 16

Lm/Dol- Milky Gray, CRYPTOXLN, Vitreous brittle cherty Ls, nvy fsl

Sh- Gray Maroon, waxy, calcareous, earthy

WREFORD 2207' (-257) E-LOG 2204' (-254) Dol- Cream, FXLN, friable, dns XLN por, clean & barren

Sh- Maroon Gray, earthy, calcareous

Lm- White Off White, VFXLN, loosely cemented, dns, tight w/ micro XLN por, chalky in part

Dol- Off White, FXLN, friable, dns microXLN por, barren

Lm- White Off White, VFXLN, dns, semi-brittle, tight, clean

Lm- White Off White, FXLN, sl fsl, loosely to well cemented, some dolo. Lm w/ dns XLN por, all vry clean

Sh- Maroon Gray Green, earthy, semi-waxy, sl sandy

Dol- Cream Off White, VF-FXLN, dns, mostly well cemented, dns micro XLN por, vry clean

Sh- Gray Maroon, waxy, earthy

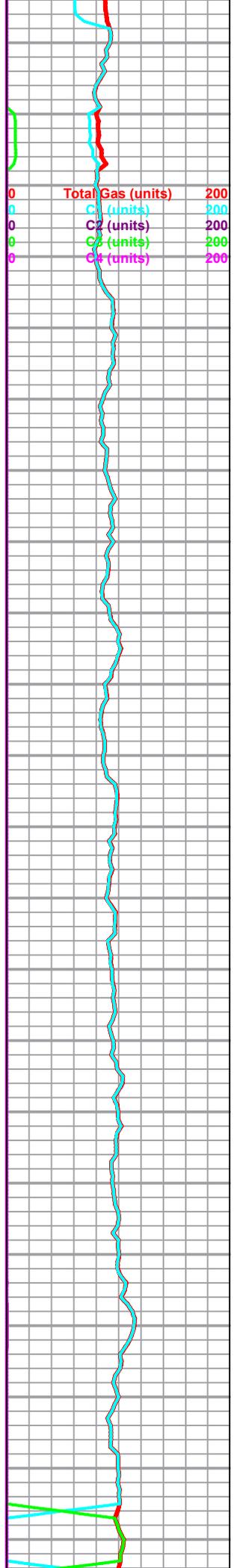
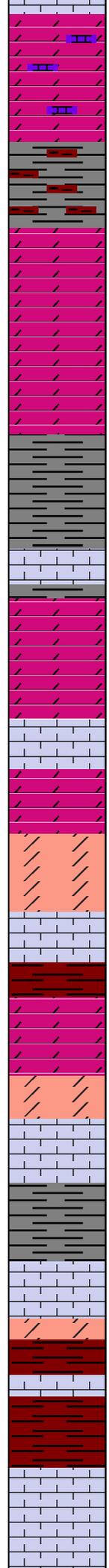
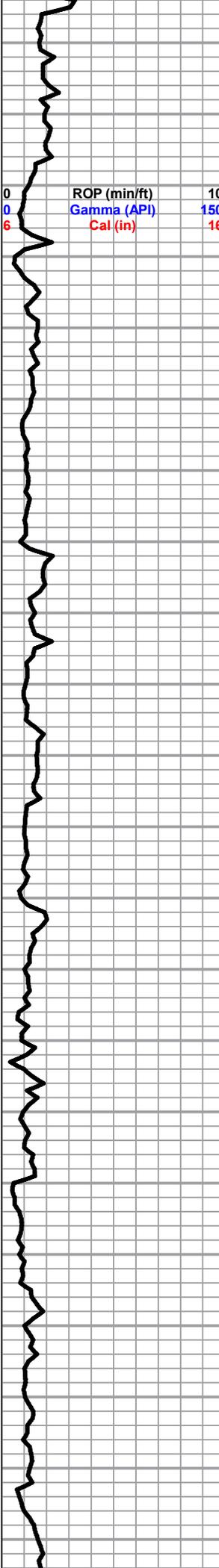
Lm- White Cream, mix of Ls & dolomitic Lm, tight, sctrd microXLN por, vry clean

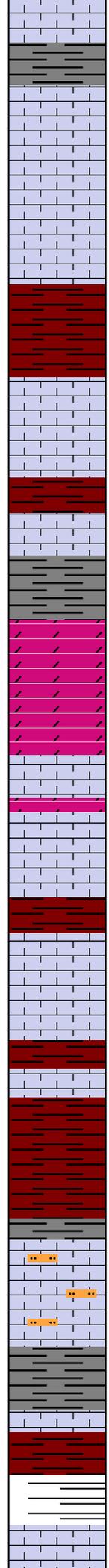
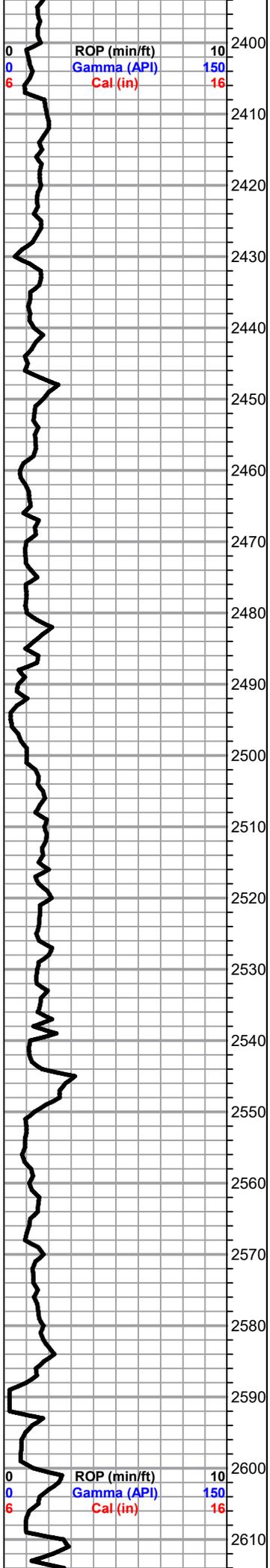
A/A w/ Cream FXLN, sl fsl, sctrd XLN por & interbedded shale lenses

Lm- Off White, FXLN, sl fsl, dns XLN por, vry clean

A/A w/ cream FXLN friable sucrosic dolo w/ consistent microXLN por, barren

Total Gas (units) 200
C1 (units) 200
C2 (units) 200
C3 (units) 200





Sh- Gray Maroon, calcareous, sandy, earthy

Lm- White Off White, FXLN, loosley cemented, chalky in part, poor vis. por, vry clean

Sh- Maroon Gray, earthy, waxy

RED EAGLE 2446' (-496) E-LOG 2445' (-495)

FORAKER 2466' (-516) E-LOG 2465' (-515)

Sh- Gray Maroon, waxy, earthy

Dol- Frosted Cream, FXLN, loosley cemented, dns XLN por throughout, semi-sucrosic, barren

A/A w/ FXLN Ls w/ dns XLN por & interbedded shale lenses

Lm- White, VFXLN, soft, chalky in part, por. vis. por, vry clean

Sh- Maroon Gray, earthy, argillaceous, calcareous, waxy

Lm- Off White, FXLN, sl fsl, spkld, dns XLN por

Sh- Maroon Gray, earthy, waxy, calcareous

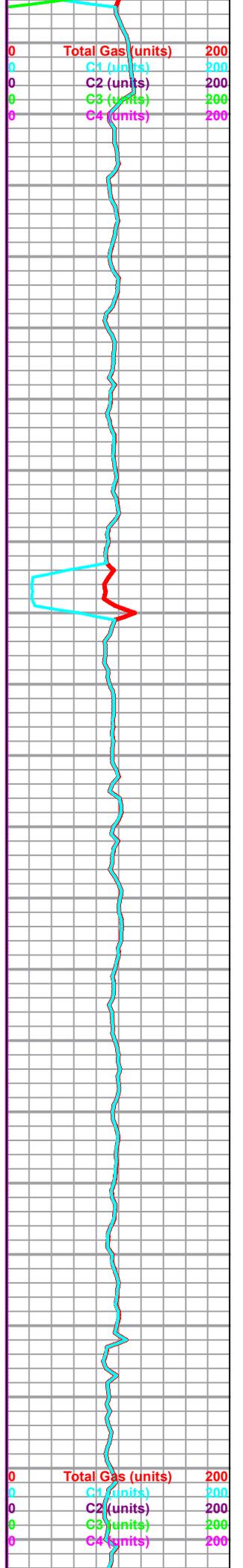
Lm- Lt Gray, Fn Grn siltstone w/o vis. por & loosley cemented, fsl, dns XLN por

Sh- Maroon Gray, earthy, calcareous

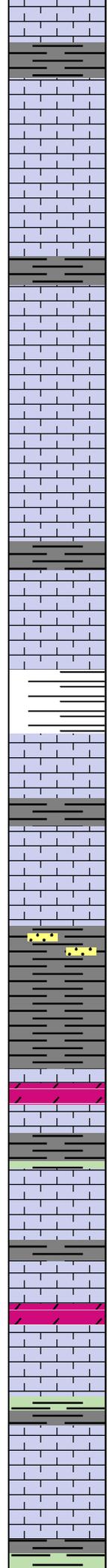
Sh- Gray, abundant argillaceous clumps

DISPLACEMENT COMPLETE @ 2607'

WABAUNSEE 2610' (-660) E-LOG 2607' (-657)



2620
2630
2640
2650
2660
2670
2680
2690
2700
2710
2720
2730
2740
2750
2760
2770
2780
2790
2800
2810
2820
2830



Sh- Gray Green, waxy, abundant argillaceous clumps, calcareous

Lm- White, VfGrn, dns, mostly well cemented, some chalky in part, sl fsl, no vis. por

Lm- Cream, FXLN, hvy fsl, sctrd-dns XLN por, soft white chalk & interbedded argillaceous gray Sh

Sh- Gray, waxy, abundant argillaceous clumps & wash

Lm- Gray Buff, VFXLN, dns, tight w/ min. vis. por, tight

Lm- Drk Gray, FXLN, fsl, trashy, well cemented & tight w/ poor vis. por.

Sh- Gray, calcareous, waxy Ss- Dove Gray, Vf Grn, consolidated & mod. sorted, micaceous

Lm- Gray Buff, VF-FXLN, dns, tight, well cemented w/ min. vis. por

Sh- Gray, abundant argillaceous clumps

TARKIO 2717' (-767) E-LOG 2717' (-767)

Sh- Drk & Lt Gray, waxy, argillaceous, calcareous, sandy

Ss- Lt Gray, Fn Grn, friable, micaceous, consolidated & sorted

Sh- Lt & Drk Gray, waxy, calcareous

Lm- Cream Buff, mix of well cemented mudstone & fsl FXLN w/ sctrd XLN por, barren

Sh- Gray Green, argillaceous, calcareous

Lm- Cream Off White, VFXLN, dns, well cemented, sl fsl, tight Sh- Gray Green A/A

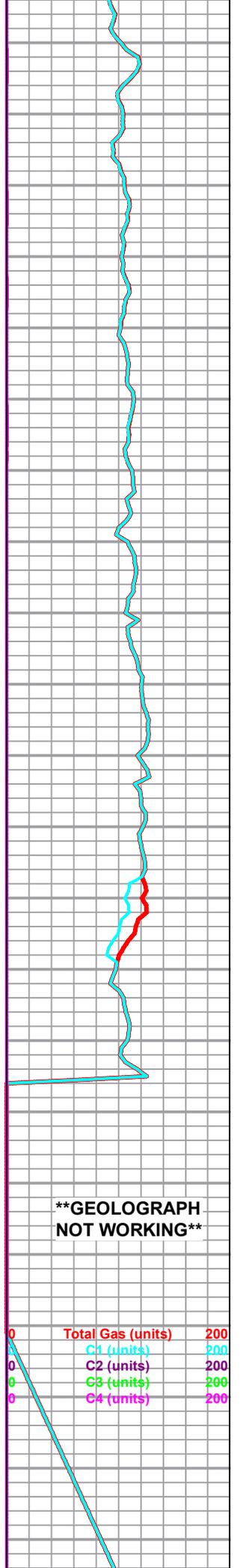
Lm- Buff Gray Tan, VFXLN, dns, vry well cemented & tight w/ no vis. por

Sh- Gray Green, calcareous, argillaceous, waxy

Lm- Gray Cream White, VF-FXLN, sl fsl w/ fusulinids, trashy, sctrd XLN por, much gummy white chalk

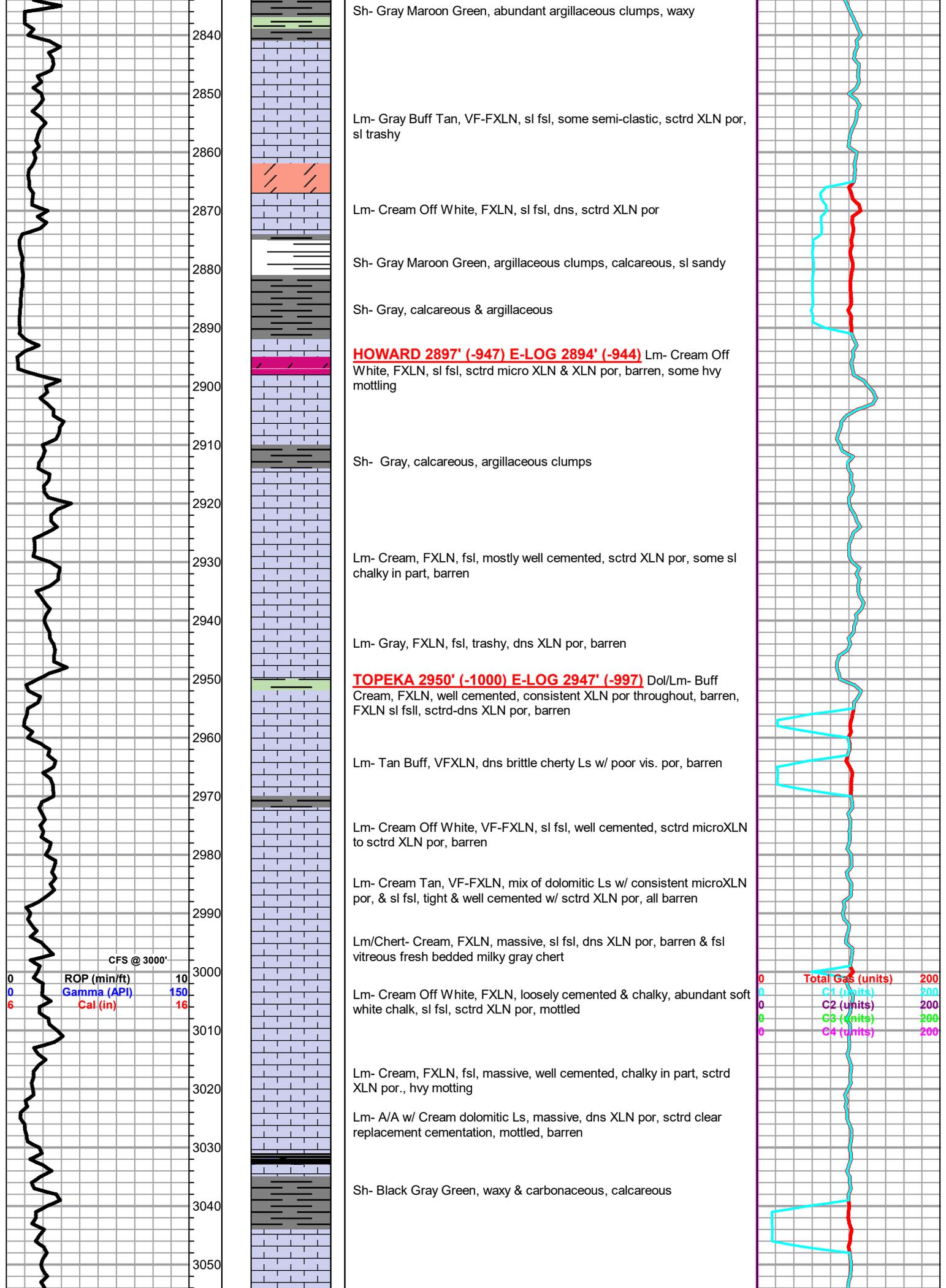
Lm- Cream Lt Gray, FXLN, sl fsl, sctrd XLN por, much soft white chalk

0 ROP (min/ft) 10
0 Gamma (API) 150
6 Cal (in) 16



****GEOLOGRAPH NOT WORKING****

0 Total Gas (units) 200
0 C1 (units) 200
0 C2 (units) 200
0 C3 (units) 200
0 C4 (units) 200



Sh- Gray Maroon Green, abundant argillaceous clumps, waxy

Lm- Gray Buff Tan, VF-FXLN, sl fsl, some semi-clastic, sctrd XLN por, sl trashy

Lm- Cream Off White, FXLN, sl fsl, dns, sctrd XLN por

Sh- Gray Maroon Green, argillaceous clumps, calcareous, sl sandy

Sh- Gray, calcareous & argillaceous

HOWARD 2897' (-947) E-LOG 2894' (-944) Lm- Cream Off White, FXLN, sl fsl, sctrd micro XLN & XLN por, barren, some hvy mottling

Sh- Gray, calcareous, argillaceous clumps

Lm- Cream, FXLN, fsl, mostly well cemented, sctrd XLN por, some sl chalky in part, barren

Lm- Gray, FXLN, fsl, trashy, dns XLN por, barren

TOPEKA 2950' (-1000) E-LOG 2947' (-997) Do/Lm- Buff Cream, FXLN, well cemented, consistent XLN por throughout, barren, FXLN sl fsl, sctrd-dns XLN por, barren

Lm- Tan Buff, VFXLN, dns brittle cherty Ls w/ poor vis. por, barren

Lm- Cream Off White, VF-FXLN, sl fsl, well cemented, sctrd microXLN to sctrd XLN por, barren

Lm- Cream Tan, VF-FXLN, mix of dolomitic Ls w/ consistent microXLN por, & sl fsl, tight & well cemented w/ sctrd XLN por, all barren

Lm/Chert- Cream, FXLN, massive, sl fsl, dns XLN por, barren & fsl vitreous fresh bedded milky gray chert

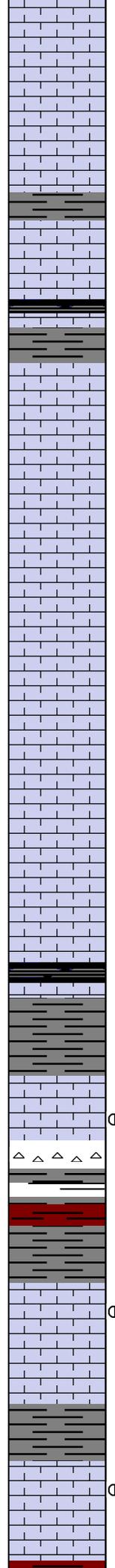
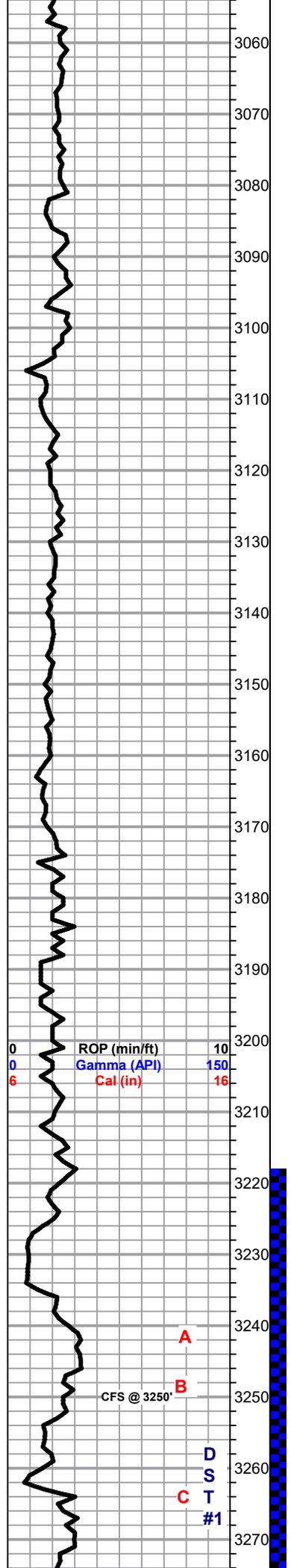
Lm- Cream Off White, FXLN, loosely cemented & chalky, abundant soft white chalk, sl fsl, sctrd XLN por, mottled

Lm- Cream, FXLN, fsl, massive, well cemented, chalky in part, sctrd XLN por., hvy mottling

Lm- A/A w/ Cream dolomitic Ls, massive, dns XLN por, sctrd clear replacement cementation, mottled, barren

Sh- Black Gray Green, waxy & carbonaceous, calcareous

Total Gas (units) 200
C1 (units) 200
C2 (units) 200
C3 (units) 200
C4 (units) 200



Lm- Cream, CryptoXLN, brittle porcelain like cherty Ls

Lm- Off White Cream, A/A w/ sctrd microXLN, tight & brittle

Lm- Cream Off White, FXLN, massive dolomitic & cherty Ls, sl fsl, dns microXLN & XLN por, vry clean & barren

Lm- Lt Gray Off White, FXLN, fsl, dns XLN & secondary por, hvy spkld, soft white chalk

Sh- Black Gray Green, carbonaceous, calcareous, semi-waxy

Lm- Cream, FXLN, sl fsl, massive, loosely-well cemented, chalky, poor vis. por

Lm- Cream, FXLN, sl fsl, sl chalky in part, dns XLN por, sctrd mottling

Lm- Tan, VF-FXLN, well cemented, brittle, fsl, dns XLN por, A/A

Lm- Cream, FXLN, dns & tight, dns XLN por, vry clean & barren

Lm- Off White, VF-FXLN, dns, well cemented & tight w/ sctrd XLN por, vry clean & barren

Lm- Cream, A/A & mottled

HEEBNER 3189' (-1239) E-LOG 3184' (-1234) Sh- Black Gray Green, carbonaceous, argillaceous, calcareous

TORONTO 3207' (-1257) E-LOG 3202' (-1252) Lm- Off White, VF-FXLN, mix of sl fsl, TR oolitic, w/ dns XLN por, & tight cherty Ls w/ sctrd XLN & fn ppt por, 3-4 PCS W/ TR EDGE STN, NSFO, NODR, WK STRM WET CUT

Chert- Cream Off White, CryptoXLN, vitreous fresh bedded

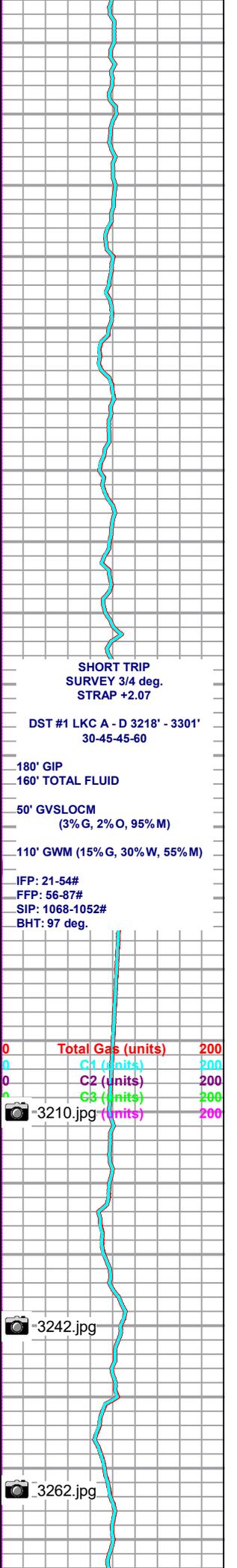
Sh- Gray Maroon, calcareous, argillaceous clumps

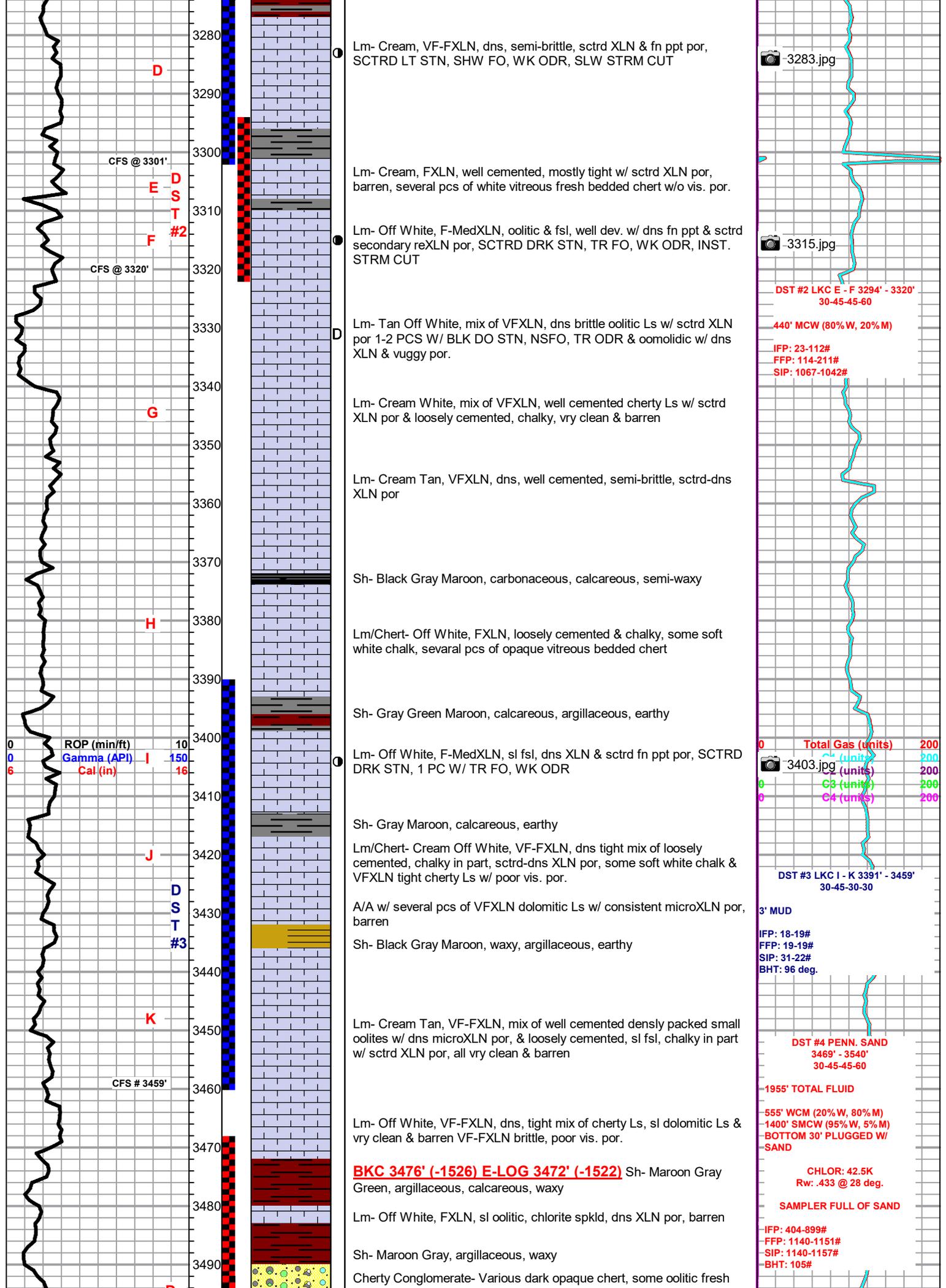
LKC 3234' (-1284) E-LOG 3234' (-1284) Lm- Cream Off White, FXLN, sl fsl, dns XLN & sctrd fn ppt por, several pcs w/ secondary reXLN por, SCTRD LT STN, NSFO, TR ODR, WK YLW FLOR

Lm- Cream Tan, VF-FXLN, semi-brittle, sctrd XLN por, barren

Sh- Gray Maroon, argillaceous, earthy

Lm/Chert- Off White, FXLN, fsl & oolitic, sctrd dev. from chalky to dns XLN por, few pcs w/ fn ppt por, 1-2 PCS W/ DRK STN, NSFO, SEVERAL PCS W/ BLK DO STN, TR ODR & vitreous fresh bedded & oolitic chert, cryptoXLN





Lm- Cream, VF-FXLN, dns, semi-brittle, sctrd XLN & fn ppt por, SCTRD LT STN, SHW FO, WK ODR, SLW STRM CUT

3283.jpg

D

Lm- Cream, FXLN, well cemented, mostly tight w/ sctrd XLN por, barren, several pcs of white vitreous fresh bedded chert w/o vis. por.

CFS @ 3301'
E
D
S
T
F
#2

3315.jpg

Lm- Off White, F-MedXLN, oolitic & fsl, well dev. w/ dns fn ppt & sctrd secondary reXLN por, SCTRD DRK STN, TR FO, WK ODR, INST. STRM CUT

DST #2 LKC E - F 3294' - 3320'
30-45-45-60

440' MCW (80%W, 20%M)

IFP: 23-112#
FFP: 114-211#
SIP: 1067-1042#

Lm- Tan Off White, mix of VFXLN, dns brittle oolitic Ls w/ sctrd XLN por 1-2 PCS W/ BLK DO STN, NSFO, TR ODR & oomoldic w/ dns XLN & vuggy por.

G

Lm- Cream White, mix of VFXLN, well cemented cherty Ls w/ sctrd XLN por & loosely cemented, chalky, vry clean & barren

Lm- Cream Tan, VFXLN, dns, well cemented, semi-brittle, sctrd-dns XLN por

H

Sh- Black Gray Maroon, carbonaceous, calcareous, semi-waxy

Lm/Chert- Off White, FXLN, loosely cemented & chalky, some soft white chalk, several pcs of opaque vitreous bedded chert

Sh- Gray Green Maroon, calcareous, argillaceous, earthy

ROP (min/ft) 10
Gamma (API) 150
Cal (in) 16

Lm- Off White, F-MedXLN, sl fsl, dns XLN & sctrd fn ppt por, SCTRD DRK STN, 1 PC W/ TR FO, WK ODR

3403.jpg
Total Gas (units) 200
C2 (units) 200
C3 (units) 200
C4 (units) 200

J

Sh- Gray Maroon, calcareous, earthy

Lm/Chert- Cream Off White, VF-FXLN, dns tight mix of loosely cemented, chalky in part, sctrd-dns XLN por, some soft white chalk & VFXLN tight cherty Ls w/ poor vis. por.

DST #3 LKC I - K 3391' - 3459'
30-45-30-30

A/A w/ several pcs of VFXLN dolomitic Ls w/ consistent microXLN por, barren

D
S
T
#3

Sh- Black Gray Maroon, waxy, argillaceous, earthy

3' MUD

IFP: 18-19#
FFP: 19-19#
SIP: 31-22#
BHT: 96 deg.

K

Lm- Cream Tan, VF-FXLN, mix of well cemented densely packed small oolites w/ dns microXLN por, & loosely cemented, sl fsl, chalky in part w/ sctrd XLN por, all vry clean & barren

DST #4 PENN. SAND
3469' - 3540'
30-45-45-60

CFS # 3459'

Lm- Off White, VF-FXLN, dns, tight mix of cherty Ls, sl dolomitic Ls & vry clean & barren VF-FXLN brittle, poor vis. por.

1955' TOTAL FLUID

555' WCM (20%W, 80%M)
1400' SMCW (95%W, 5%M)
BOTTOM 30' PLUGGED W/ SAND

BKC 3476' (-1526) E-LOG 3472' (-1522) Sh- Maroon Gray Green, argillaceous, calcareous, waxy

CHLOR: 42.5K
Rw: .433 @ 28 deg.

SAMPLER FULL OF SAND

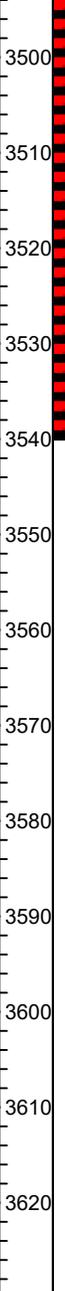
Lm- Off White, FXLN, sl oolitic, chlorite spkld, dns XLN por, barren

IFP: 404-899#
FFP: 1140-1151#
SIP: 1140-1157#
BHT: 105#

Sh- Maroon Gray, argillaceous, waxy

Cherty Conglomerate- Various dark opaque chert, some oolitic fresh

D
S
T
#4



bedded & conglomerate, some nodular, no vis-min. vis. por, barren, Lm-Cream, FXLN, dns, sctrd XLN & fn ppt por, SCTRD DRK STN, TR FO, NO ODR

A/A sl influx of nodular chert & argillaceous shale

Cherty Conglomerate- Gray, massive, well cemented, consistent XLN & vuggy por. throughout, no effervescence, SAT DRK STN, GD SHW GSY FO, GD SULPHURIC ODER

PENN. BASAL SAND 3536' (1586) E-LOG 3535' (-1585) Ss- Frosted, F-Crs Grn, friable, mostly sub-rounded & mature, few sub-angular, consolidated & mostly mod. sorted, few poorly sorted, SAT DRK STN, SHW FO, GD SULPHURIC ODR

3544'- Ss- White, Fn Grn, sub-rounded, friable w/ dolomitic cementation, consolidated & well sorted, SCTRD DRK & BLK DO STN, SHW FO, WK SULPHURIC ODR

ARBUCKLE 3548' (-1598) E-LOG 3548' (-1598) Dol- Off White, FXLN, massive, sucrosic & semi sucrosic, well cemented w/ consistent XLN por, barren
Dol- Cream Off White, A/A w/ MedXLN w/ consistent XLN & fn ppt por, sucrosic, barren

REAGAN 3586' (-1636) E-LOG 3575' (-1625) Ss- Frosted, Fn-Med Grn, dolomite cementation, sub-rounded, consolidated & poorly sorted, barren, many Vry Crs rounded loose grains

A/A, w/ angular clear Med XLN & influx of Vry Crs unconsolidated grains

A/A

RTD 3610' (-1660) LTD @ 12:30 1/22/2023

CFS @
252'
CFS @3540'

TORQUE

TORQUE

CFS @ 3572'

0	ROP (min/ft)	10
0	Gamma (API)	150
6	Cal (in)	16

3495.jpg

3540.jpg

3545.jpg

0	Total Gas (units)	200
0	C1 (units)	200
0	C2 (units)	200
0	C3 (units)	200
0	SURVEY	200







