

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Eagle Creek Corporation
Well Name	LEONARD 2-2
Doc ID	1711888

All Electric Logs Run

Daul Induction
Neutron/Density
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Eagle Creek Corporation
Well Name	LEONARD 2-2
Doc ID	1711888

Tops

Name	Top	Datum
BASE OF ANHYDRITE	2107	849
HEEBNER	3807	-851
STARK SH	4179	-1223
HUSHPUCKNEY	4225	-1269
MARMATON	4342	-1386
CHEROKEE	4463	-1507
MORROW	4647	-1691
ST. GEN	4707	-1751
ST LOUIS C ZONE	4816	-1860



P. O. Box 466
 Ness City, KS 67560
 Off: 785-798-2300

Invoice

DATE	INVOICE #
3/22/2023	36037

BILL TO
Eagle Creek Corporation 423 E. Flint Hills National Court Andover, KS 67202

3/28/23
 SWIFT
 RED
 • Acidizing
 • Cement
 • Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2-2	Leonard	Finney	L.D	Oil	Development	2 stage 5 1/2	Gideon
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	8.00	640.00
579D	Pump Charge - Two-Stage & Top To Bottom LongString				1	Job	2,350.00	2,350.00
408-5	5 1/2" D.V. Tool & Plug Set				1	Each	3,500.00	3,500.00
402-5	5 1/2" Centralizer				10	Each	90.00	900.00
403-5	5 1/2" Cement Basket				2	Each	350.00	700.00
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	400.00	400.00
417-5	5 1/2" D.V. Latch Down Plug & Baffle				1	Each	300.00	300.00
325	Standard Cement				175	Sacks	16.00	2,800.00
284	Calseal				8	Sack(s)	50.00	400.00
283	Salt				900	Lb(s)	0.25	225.00
292	Halad 322				100	Lb(s)	9.00	900.00
276	Flocele				125	Lb(s)	4.00	500.00
330	Swift Multi-Density Standard (MIDCON II)				235	Sacks	21.00	4,935.00
281	Mud Flush				500	Gallon(s)	2.50	1,250.00
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00
290	D-Air				10	Gallon(s)	42.00	420.00
581D	Service Charge Cement				410	Sacks	2.00	820.00
583D	Drayage				1,671	Ton Miles	1.00	1,671.00
	Subtotal							22,811.00
	Sales Tax Finney County						7.80%	1,351.74
Vendor No. <u>SWIFT</u>					Lease No. <u>05504</u>			
GL# <u>73550</u>					Amt <u>+ 24,162.74</u>			
GL# _____					Amt _____			
GL# _____					Amt _____			
We Appreciate Your Business!							Total	\$24,162.74



Services, Inc.

CHARGE TO: Eagle Creek
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 36037
 PAGE 1 OF 2

1. SERVICE LOCATIONS Ness City, KS	WELL/PROJECT NO. A-2	LEASE LEONARD	COUNTY/PARISH FINNEY	STATE KS	CITY	DATE 3/28/03	OWNER 3/28/03
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR LD	WELL CATEGORY Development	RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO Leonard	ORDER NO.	
3. WELL TYPE Oil		JOB PURPOSE Two-Stage			WELL PERMIT NO.	WELL LOCATION S/W of Scott City	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCOUNTING		DESCRIPTION	QTY.			UNIT PRICE	AMOUNT	
			ACCT	DF		UM	UM	UM			
576		1			MILEAGE Truck # 115			80	mi	8.00	640.00
579		1			Pump Charge - Two-Stage			1	job	2,350.00	2,350.00
408		1			DV Tool + Plug Set			5 1/2	in	3,500.00	3,500.00
402		1			Centralizers			10	EA	90.00	900.00
403		1			Cement Baskets			2	EA	350.00	700.00
407		1			Insert Floor Shoe w/ Auto Fill			1	EA	400.00	400.00
417		1			DV Latch Down Plug + Baffle			1	EA	300.00	300.00

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

SURVEY	AGREE	UNDECODED	DISAGREE	PAGE TOTAL	8790.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				2	14,021.00
WE UNDERSTOOD AND MET YOUR NEEDS?				Total	22,811.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Final	1351.174
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	24162.174

SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO WORK OR DELIVERY OF GOODS.
 TIME SIGNED 5:00 P.M.
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 APPROVAL [Signature]
 Thank You!

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



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 36037

PAGE 2 OF 2

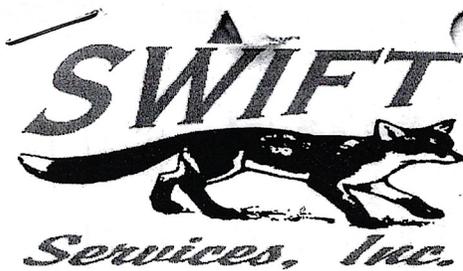
PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				DATE	UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY	U/M	QTY	U/M				
325						Standard Cement								
284						Cal Seal								
283						SALE								
292						Halad - 322								
276						Floacle								
330						SMP Cement								
281						Mud Flush								
281						Liquid KCL								
290						D-Air								
SERVICE CHARGE						Cement								
MILEAGE CHARGE						91.776								
TOTAL WEIGHT						80								
LOADED MILES														
CUBIC FEET						410 sks								
TON MILES						1671								
CONTINUATION TOTAL												14,021.00		

SWIFT Services, Inc.

DATE: 3/22/2023 PAGE NO. 2 of 2
 TICKET NO. 36037

WELL NO. 2-2 LEASE LEONARD JOB TYPE Two-Stage

TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TUBING	CASING	
							CONT...
1520	4	20		✓	200		Pump 20 bbl KCL Spacer
1530	2	7		✓	75		Plug RH w/ 30 sks
1540	5	130		✓	Avg 250		Mix Remaining 205 sks of SMD @ 11.2 ppg
1610							Wash Pump + Lines Release Top Plug
1625	6	0		✓	200		Begin Displacement
	6	20		✓	300		LIFT PSI
	4	49		✓	500		MAX lift PSI
1630	-	50		✓	1200		LAND TOP Plug -Release PSI *Hold*
1635							*Circulated Approx 25 sks to Pit*
1700							WASH up Truck #116
1700							Job Complete
							+RH 235 sks of SMD used on Top Stage 175 sks of EA2 used on Bottom Stage
							DV Tool opened @ 800 PSI + Closed @ 1200 PSI
							Approx 25 sks of CMT Circulated to the Pit
							THANKS!
							Andreas Mark Treles



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300

Invoice

DATE	INVOICE #
3/9/2023	35024

BILL TO
Eagle Creek Corporation 423 E. Flint Hills National Court Andover, KS 67202

- Acidizing
- Cement
- Tool Rental

3/31/23
PAID

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator	
Net 30	#2-2	Leonard	Finney	L.D	Oil	Development	8 5/8 Surface	Preston	
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT	
575D	Mileage - 1 Way				80	Miles	8.00	640.00	
576D-S	Pump Charge - Shallow Surface (< 500 Ft.)				1	Job	1,200.00	1,200.00	
325	Standard Cement				170	Sacks	16.00	2,720.00T	
279	Bentonite Gel				3	Sack(s)	50.00	150.00T	
278	Calcium Chloride				8	Sack(s)	55.00	440.00T	
290	D-Air				2	Gallon(s)	42.00	84.00T	
581D	Service Charge Cement				170	Sacks	2.00	340.00	
583D	Drayage				667	Ton Miles	1.00	667.00	
	Subtotal							6,241.00	
	Sales Tax Finney County						7.80%	264.73	
<p>Ad 1/30, 668.47</p> <p>PAID 4/4/23 V/C #56853</p> <p>Vendor No. <u>SWIFT</u> Lease No. <u>03504</u></p> <p>GL# <u>21140</u> Amt <u>+6505.73</u></p> <p>GL# _____ Amt _____</p> <p>GL# _____ Amt _____</p>									
We Appreciate Your Business!							Total	\$6,505.73	



CHARGE TO: Eagle Creek
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 35024

PAGE 1 OF 1

1. SERVICE LOCATIONS Ness City	WELL/PROJECT NO. 2-2	LEASE Leonard	COUNTY/PARISH Finney	STATE KS	CITY	DATE 3-9-23	OWNER
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR L.D.	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO location	ORDER NO.	
3.	WELL TYPE 01	WELL CATEGORY Development	JOB PURPOSE Surface (858")	WELL PERMIT NO.		WELL LOCATION County line 9-way 8-5	
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS				8-E, NE info	

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.	UM		
575					MILEAGE Truck 112	80	mi			1200.00	640.00
5765					pump charge - (shallow surface)	1	job			1200.00	1200.00
325					570 cement	170	5K			16.00	2720.00
279					Bentofite Gel	3	5K			50.00	150.00
278					Calcium Chloride	8	5K			55.00	440.00
290					D-Air	2	gal			42.00	84.00
581					emt Service charge	172	5K			2.00	340.00
583					Drayage	16680	lbs			6.67	667.00

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

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

DATE SIGNED _____ TIME SIGNED _____ A.M. P.M.

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

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UNDECIDED	DISAGREE
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND			

PAGE TOTAL 6291.00

Finney 20473

TOTAL 6505.73

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

OPERATOR Robert Moore APPROVAL _____

Thank You!



DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Corp.**

423 Flint Hills National Ct
Andover, KS 67002

ATTN: Dave Goldak

Leonard #2-2

2 21s 34w Finney,KS

Start Date: 2023.03.14 @ 17:55:00

End Date: 2023.03.15 @ 04:26:15

Job Ticket #: 70273 DST #: 1

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

Printed: 2023.03.22 @ 15:47:05



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Eagle Creek Corp.
423 Flint Hills National Ct
Andover, KS 67002
ATTN: Dave Goldak

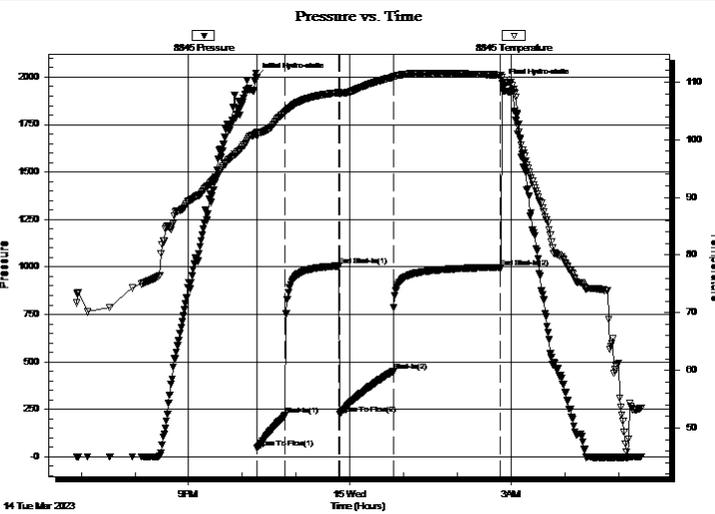
2 21s 34w Finney,KS
Leonard #2-2
Job Ticket: 70273 **DST#: 1**
Test Start: 2023.03.14 @ 17:55:00

GENERAL INFORMATION:

Formation: **LKC H-I**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:16:45
Time Test Ended: 04:26:15
Interval: **4046.00 ft (KB) To 4121.00 ft (KB) (TVD)**
Total Depth: 4121.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Bradley Walter
Unit No: 78
Reference Elevations: 2956.00 ft (KB)
2951.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8845 Outside
Press@RunDepth: 448.93 psig @ 4047.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2023.03.14 End Date: 2023.03.15 Last Calib.: 2023.03.15
Start Time: 18:55:05 End Time: 05:26:15 Time On Btm: 2023.03.14 @ 22:15:45
Time Off Btm: 2023.03.15 @ 02:50:15

TEST COMMENT: IF: BOB @ 6 min- 33"
IS: No return.
FF: BOB @ 8 min- 36"
FS: No return. 30-60-60-120



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2000.76	101.26	Initial Hydro-static
1	48.86	100.66	Open To Flow (1)
33	218.76	104.77	Shut-In(1)
93	1005.78	108.17	End Shut-In(1)
93	225.68	107.85	Open To Flow (2)
153	448.93	110.82	Shut-In(2)
273	998.53	111.22	End Shut-In(2)
275	1965.27	110.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
420.00	smcw 3m 97w	5.89
520.00	mcw 5m 95w (oil spots)	7.29
5.00	oil 100o	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Eagle Creek Corp.

2 21s 34w Finney,KS

423 Flint Hills National Ct
Andover, KS 67002

Leonard #2-2

Job Ticket: 70273

DST#: 1

ATTN: Dave Goldak

Test Start: 2023.03.14 @ 17:55:00

Tool Information

Drill Pipe:	Length: 4030.00 ft	Diameter: 3.80 inches	Volume: 56.53 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 56.53 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	4046.00 ft			Final	51000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	75.00 ft				
Tool Length:	105.00 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			4017.00	
Shut In Tool	5.00			4022.00	
Hydraulic tool	5.00			4027.00	
Jars	5.00			4032.00	
EM Tool	3.00			4035.00	
Safety Joint	2.00			4037.00	
Packer	5.00			4042.00	30.00 Bottom Of Top Packer
Packer	4.00			4046.00	
Stubb	1.00			4047.00	
Recorder	0.00	8319	Inside	4047.00	
Recorder	0.00	8845	Outside	4047.00	
Perforations	6.00			4053.00	
Change Over Sub	1.00			4054.00	
Drill Pipe	63.00			4117.00	
Change Over Sub	1.00			4118.00	
Bullnose	3.00			4121.00	75.00 Bottom Packers & Anchor
Total Tool Length:	105.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Corp.

2 21s 34w Finney,KS

423 Flint Hills National Ct
Andover, KS 67002

Leonard #2-2

Job Ticket: 70273

DST#: 1

ATTN: Dave Goldak

Test Start: 2023.03.14 @ 17:55:00

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:

58000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
420.00	smcw 3m 97w	5.891
520.00	mcw 5m 95w (oil spots)	7.294
5.00	oil 100o	0.070

Total Length: 945.00 ft Total Volume: 13.255 bbl

Num Fluid Samples: 0

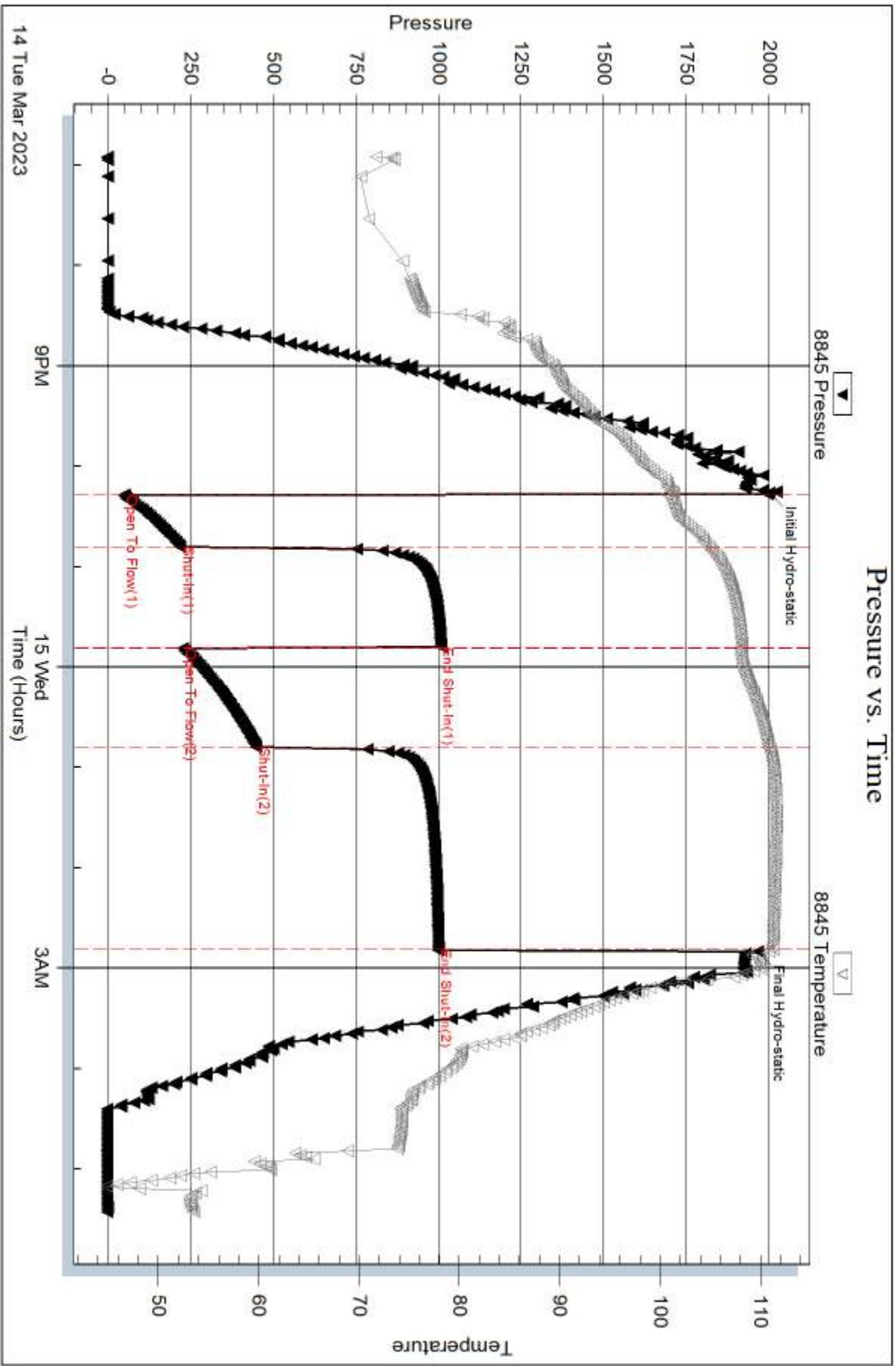
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .173 @ 52f= 58,000ppm



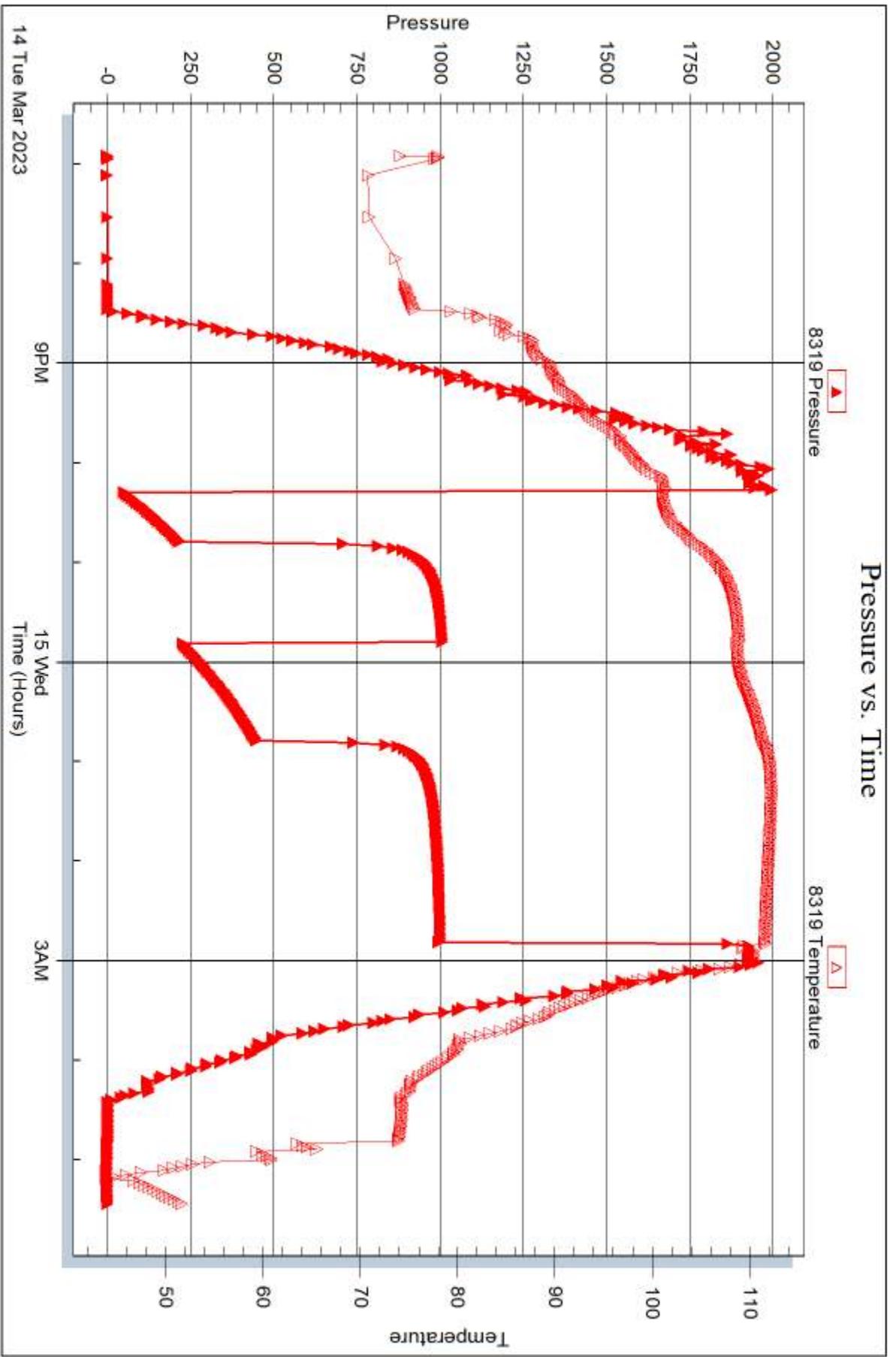
Serial #: 8319

Inside

Eagle Creek Corp.

Leonard #2-2

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 70273

Printed: 2023.03.22 @ 15:47:06



DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Corp.**

423 Flint Hills National Ct
Andover, KS 67002

ATTN: Dave Goldak

Leonard #2-2

2 21s 34w Finney,KS

Start Date: 2023.03.14 @ 17:55:00

End Date:

Job Ticket #: 70150

DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.03.22 @ 15:46:37



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Eagle Creek Corp.

2 21s 34w Finney,KS

423 Flint Hills National Ct
Andover, KS 67002

Leonard #2-2

Job Ticket: 70150

DST#: 2

ATTN: Dave Goldak

Test Start: 2023.03.14 @ 17:55:00

Tool Information

Drill Pipe:	Length: 4341.00 ft	Diameter: 3.80 inches	Volume: 60.89 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 60.89 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4344.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	52.00 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			4314.00	
Shut In Tool	5.00			4319.00	
Hydraulic tool	5.00			4324.00	
Jars	5.00			4329.00	
EM Tool	3.00			4332.00	
Safety Joint	3.00			4335.00	
Packer	5.00			4340.00	31.00 Bottom Of Top Packer
Packer	4.00			4344.00	
Stubb	1.00			4345.00	
Recorder	0.00	6625	Inside	4345.00	
Recorder	0.00	8167	Outside	4345.00	
Perforations	16.00			4361.00	
Bullnose	4.00			4365.00	21.00 Bottom Packers & Anchor

Total Tool Length: 52.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Corp.

2 21s 34w Finney,KS

423 Flint Hills National Ct
Andover, KS 67002

Leonard #2-2

Job Ticket: 70150

DST#: 2

ATTN: Dave Goldak

Test Start: 2023.03.14 @ 17:55:00

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
320.00	Mud 100% (oil spots on top)	4.489

Total Length: 320.00 ft Total Volume: 4.489 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM

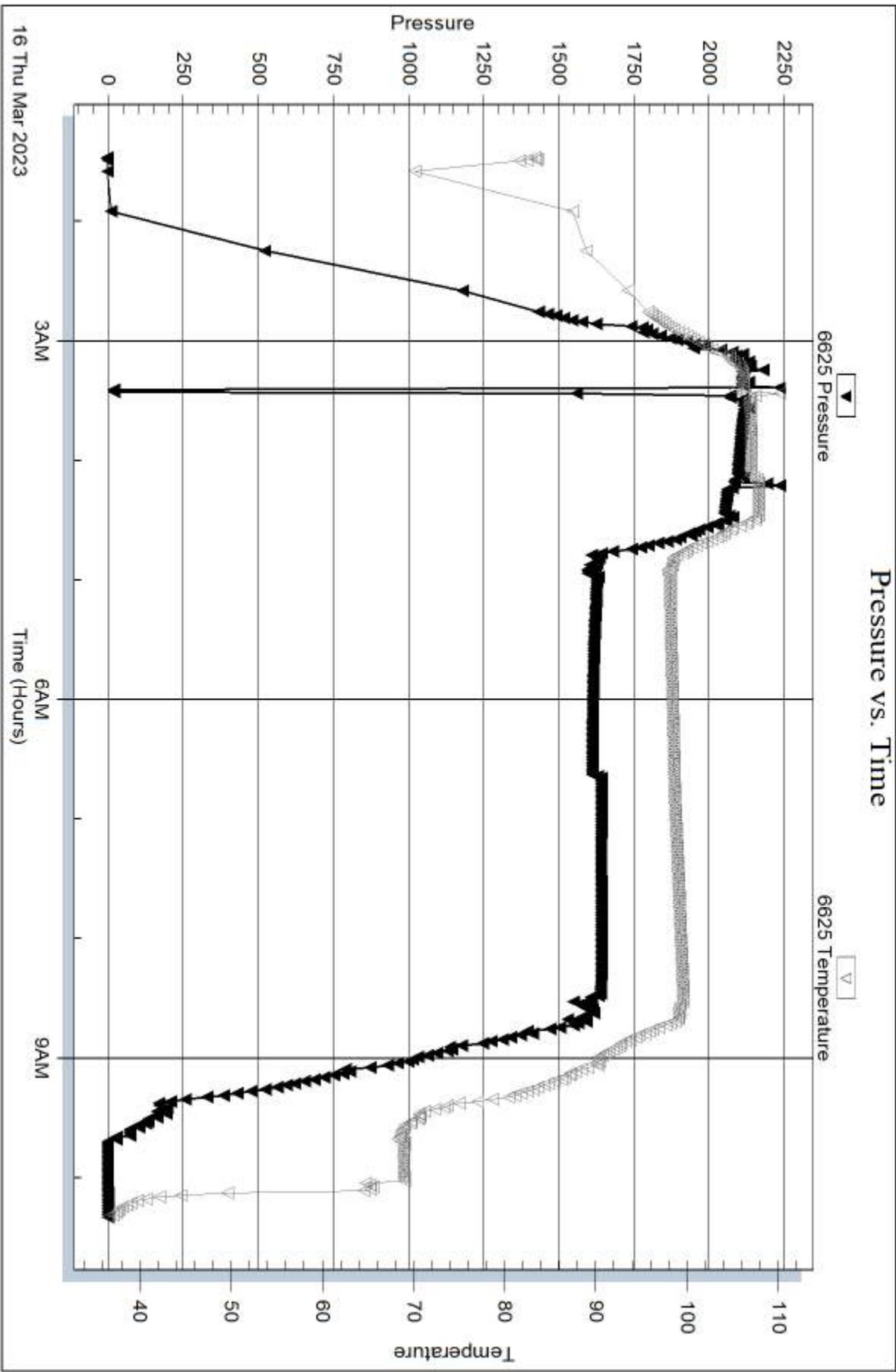
Serial #: 6625

Inside

Eagle Creek Corp.

Leonard #2-2

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 70150

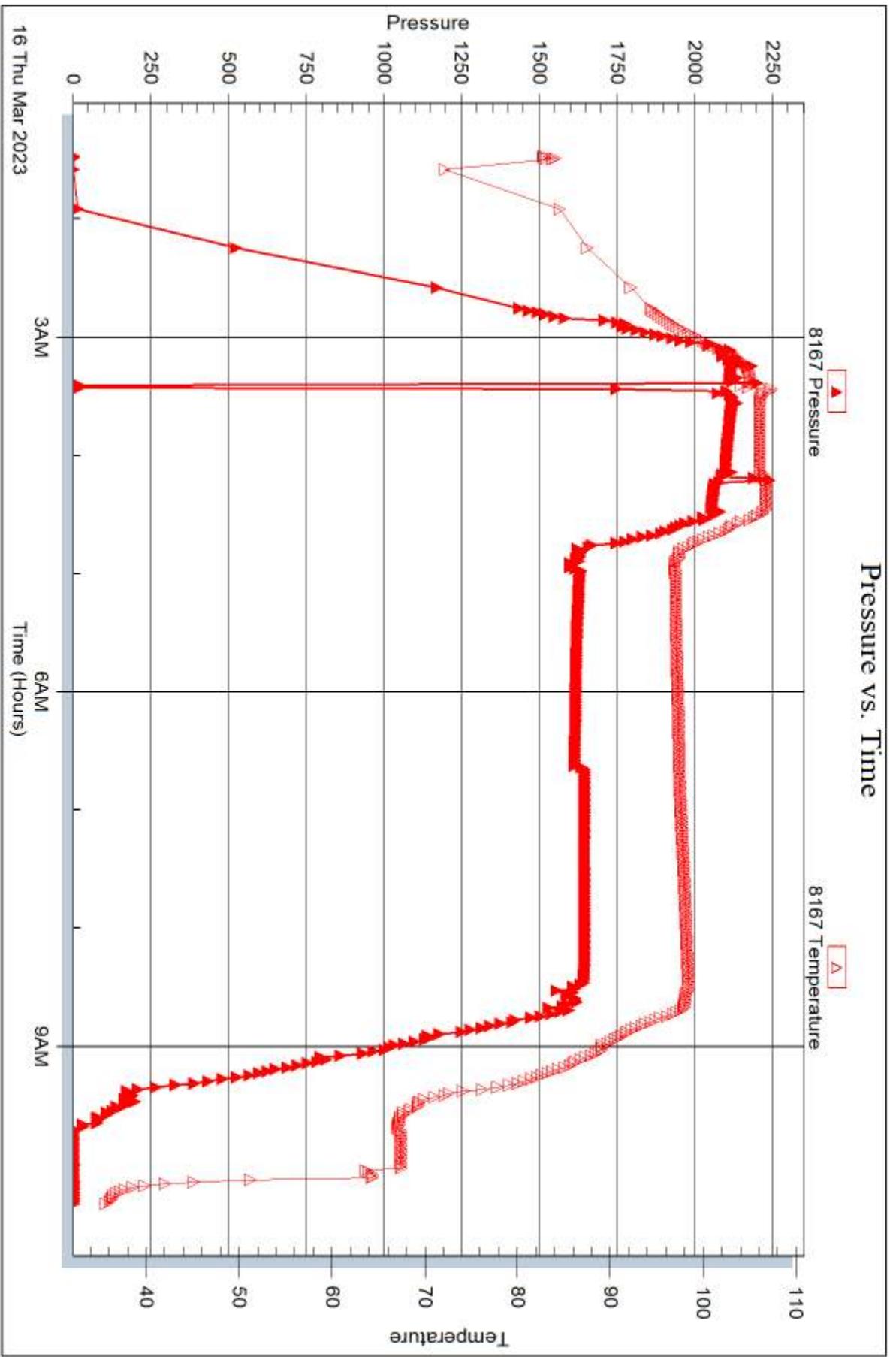
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Serial #: 8167

Outside Eagle Creek Corp.

Leonard #2-2

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Corp.**

423 Flint Hills National Ct
Andover, KS 67002

ATTN: Dave Goldak

Leonard #2-2

2 21s 34w Finney,KS

Start Date: 2023.03.16 @ 19:11:00

End Date: 2023.03.17 @ 05:51:30

Job Ticket #: 70351 DST #: 3

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

Printed: 2023.03.22 @ 15:40:53



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Eagle Creek Corp.
 423 Flint Hills National Ct
 Andover, KS 67002
 ATTN: Dave Goldak

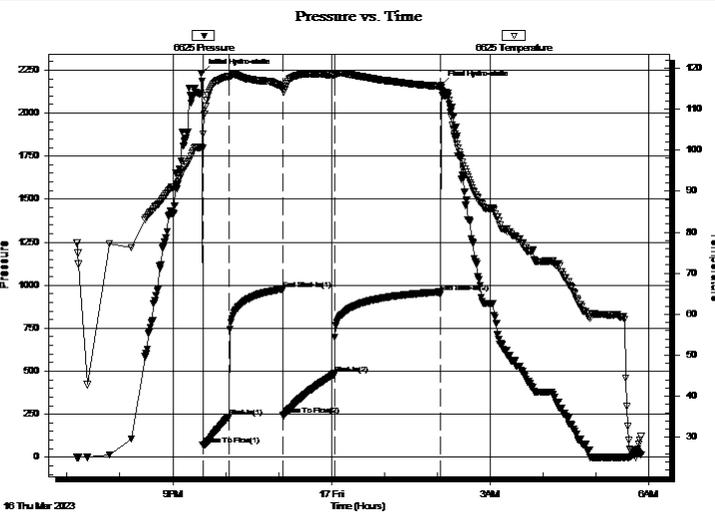
2 21s 34w Finney,KS
Leonard #2-2
 Job Ticket: 70351 **DST#: 3**
 Test Start: 2023.03.16 @ 19:11:00

GENERAL INFORMATION:

Formation: **Marmaton B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:34:00
 Time Test Ended: 05:51:30
 Interval: **4351.00 ft (KB) To 4372.00 ft (KB) (TVD)**
 Total Depth: 4372.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Dustin Day
 Unit No: 70
 Reference Elevations: 2956.00 ft (KB)
 2951.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6625 Inside
 Press@RunDepth: 485.35 psig @ 4352.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2023.03.16 End Date: 2023.03.17 Last Calib.: 2023.03.17
 Start Time: 19:11:05 End Time: 05:51:30 Time On Btm: 2023.03.16 @ 21:32:45
 Time Off Btm: 2023.03.17 @ 02:04:30

TEST COMMENT: IF-30- BOB in 2 min, Built to 136.88"
 SI1-60- BOB in 10 1/2 min, Built to 58.71"
 FF-60- BOB immediatly, Built to 136.38"
 SI2-120- BOB in 18 min, Built to 33.57", died back to 31.50" GTS When bled off



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2232.87	100.81	Initial Hydro-static
2	70.25	100.64	Open To Flow (1)
31	233.00	117.95	Shut-In(1)
92	977.31	115.49	End Shut-In(1)
93	245.24	115.20	Open To Flow (2)
151	485.35	118.38	Shut-In(2)
271	960.38	115.58	End Shut-In(2)
272	2161.70	115.25	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
1190.00	GO 15% gas 85% oil	16.69
125.00	GVSOCM 30% gas 2%oil 68% mud	1.75
0.00	GTS	0.00

* Recovery from multiple tests

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Eagle Creek Corp.

2 21s 34w Finney,KS

423 Flint Hills National Ct
Andover, KS 67002

Leonard #2-2

Job Ticket: 70351

DST#: 3

ATTN: Dave Goldak

Test Start: 2023.03.16 @ 19:11:00

Tool Information

Drill Pipe:	Length: 4343.00 ft	Diameter: 3.80 inches	Volume: 60.92 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 60.92 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4351.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	51.00 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			4322.00	
Shut In Tool	5.00			4327.00	
Hydraulic tool	5.00			4332.00	
Jars	5.00			4337.00	
EM Tool	3.00			4340.00	
Safety Joint	2.00			4342.00	
Packer	5.00			4347.00	30.00 Bottom Of Top Packer
Packer	4.00			4351.00	
Stubb	1.00			4352.00	
Recorder	0.00	6625	Inside	4352.00	
Recorder	0.00	8167	Outside	4352.00	
Perforations	16.00			4368.00	
Bullnose	4.00			4372.00	21.00 Bottom Packers & Anchor

Total Tool Length: 51.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Corp.

2 21s 34w Finney,KS

423 Flint Hills National Ct
Andover, KS 67002

Leonard #2-2

Job Ticket: 70351

DST#: 3

ATTN: Dave Goldak

Test Start: 2023.03.16 @ 19:11:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1190.00	GO 15% gas 85% oil	16.693
125.00	GVSOCM 30% gas 2%oil 68% mud	1.753
0.00	GTS	0.000

Total Length: 1315.00 ft

Total Volume: 18.446 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

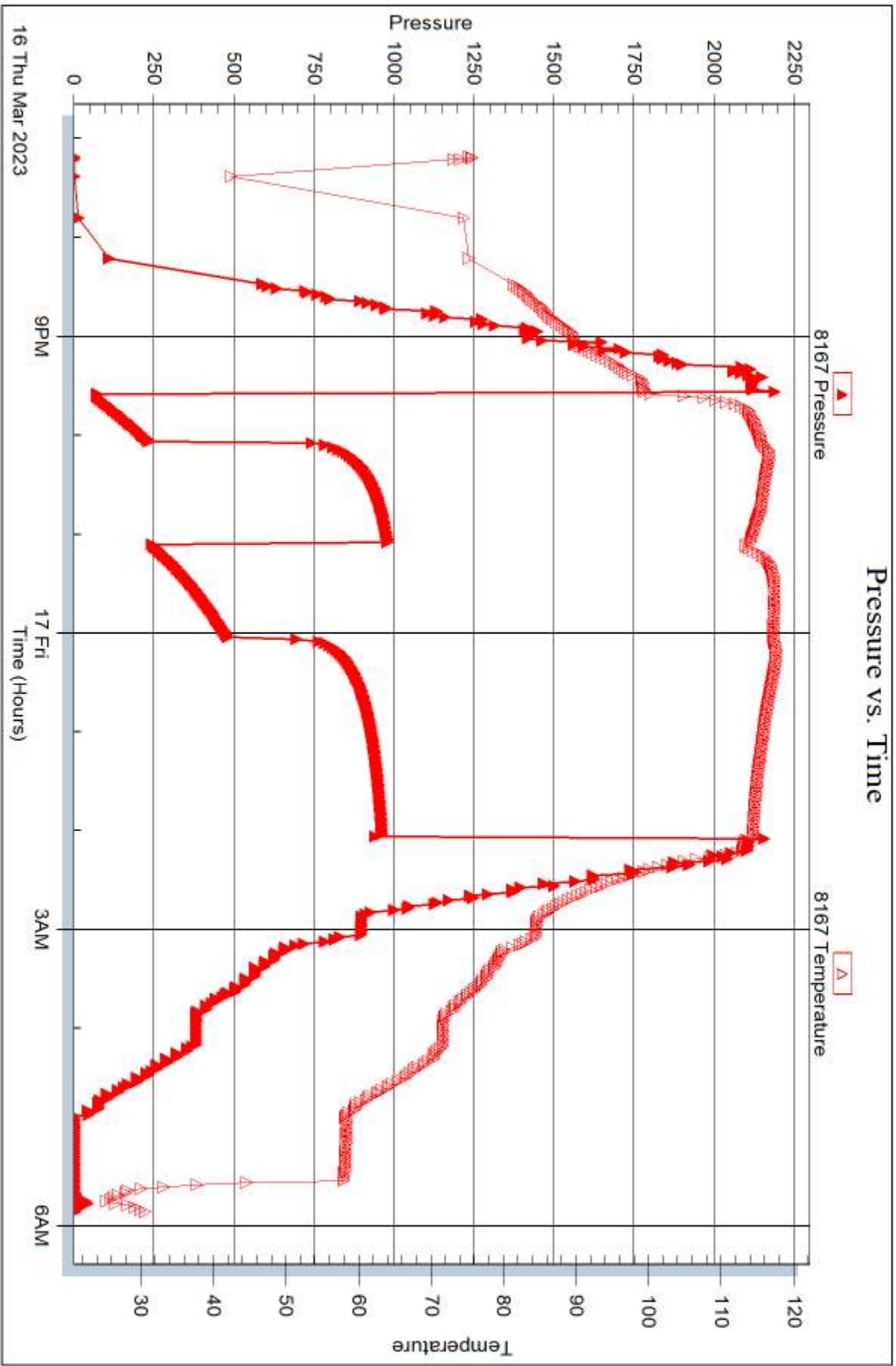
Recovery Comments: 2# LCM

Serial #: 8167

Outside Eagle Creek Corp.

Leonard #2-2

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 70351

Printed: 2023.03.22 @ 15:40:54



DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Corp.**

423 Flint Hills National Ct
Andover, KS 67002

ATTN: Dave Goldak

Leonard #2-2

2 21s 34w Finney,KS

Start Date: 2023.03.18 @ 05:43:00

End Date: 2023.03.18 @ 15:34:00

Job Ticket #: 70352 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.03.22 @ 15:40:20



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Eagle Creek Corp.
 423 Flint Hills National Ct
 Andover, KS 67002
 ATTN: Dave Goldak

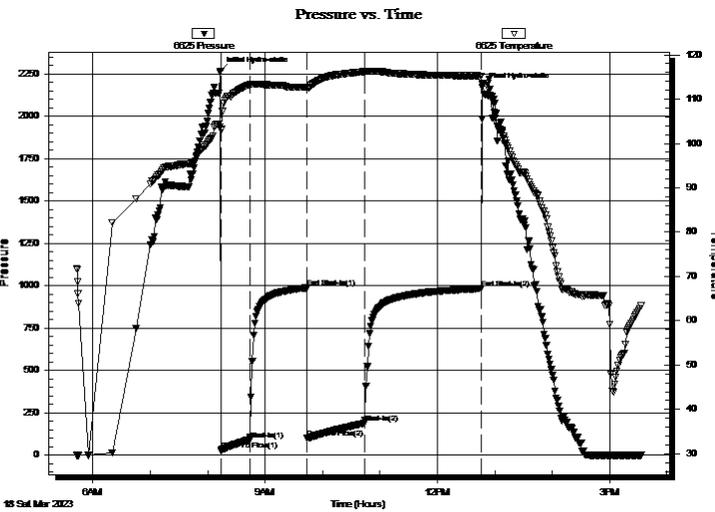
2 21s 34w Finney,KS
Leonard #2-2
 Job Ticket: 70352 **DST#: 4**
 Test Start: 2023.03.18 @ 05:43:00

GENERAL INFORMATION:

Formation: **Pawnee-Ft. Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:14:00
 Time Test Ended: 15:34:00
 Interval: **4420.00 ft (KB) To 4470.00 ft (KB) (TVD)**
 Total Depth: 4470.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Dustin Day
 Unit No: 70
 Reference Elevations: 2956.00 ft (KB)
 2951.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6625 Inside
 Press@RunDepth: 188.89 psig @ 4421.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2023.03.18 End Date: 2023.03.18 Last Calib.: 2023.03.18
 Start Time: 05:43:05 End Time: 15:34:00 Time On Btm: 2023.03.18 @ 08:13:15
 Time Off Btm: 2023.03.18 @ 12:47:15

TEST COMMENT: IF-30- BOB in 17 1/2 min, built to 17.37"
 SI1-60- 1.75" return blow
 FF-60- BOB in 17 min, built to 31.4"
 SI2-120- 5" return blow, died back to 4.5"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2266.95	103.71	Initial Hydro-static
1	29.39	102.96	Open To Flow (1)
31	92.74	113.32	Shut-In(1)
91	988.16	112.65	End Shut-In(1)
91	100.37	112.48	Open To Flow (2)
151	188.89	116.19	Shut-In(2)
273	983.62	115.26	End Shut-In(2)
274	2171.39	113.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
135.00	GMWCO 30% gas 35% oil 20% w ater	51.89
125.00	GWMO 40% gas 25% oil 20% w ater	1.75
125.00	MCW 15% mud 85% w ater	1.75
0.00	437' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Eagle Creek Corp.

2 21s 34w Finney,KS

423 Flint Hills National Ct
Andover, KS 67002

Leonard #2-2

Job Ticket: 70352

DST#: 4

ATTN: Dave Goldak

Test Start: 2023.03.18 @ 05:43:00

Tool Information

Drill Pipe:	Length: 4405.00 ft	Diameter: 3.80 inches	Volume: 61.79 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	86000.00 lb
			<u>Total Volume: 61.79 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	4420.00 ft			Final	54000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	80.00 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			4391.00	
Shut In Tool	5.00			4396.00	
Hydraulic tool	5.00			4401.00	
Jars	5.00			4406.00	
EM Tool	3.00			4409.00	
Safety Joint	2.00			4411.00	
Packer	5.00			4416.00	30.00 Bottom Of Top Packer
Packer	4.00			4420.00	
Stubb	1.00			4421.00	
Recorder	0.00	6625	Inside	4421.00	
Recorder	0.00	8167	Outside	4421.00	
Perforations	12.00			4433.00	
Change Over Sub	1.00			4434.00	
Drill Pipe	31.00			4465.00	
Change Over Sub	1.00			4466.00	
Bullnose	4.00			4470.00	50.00 Bottom Packers & Anchor
Total Tool Length:	80.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Corp.

2 21s 34w Finney,KS

423 Flint Hills National Ct
Andover, KS 67002

Leonard #2-2

Job Ticket: 70352

DST#: 4

ATTN: Dave Goldak

Test Start: 2023.03.18 @ 05:43:00

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:

27000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
135.00	GMWCO 30% gas 35% oil 20% w ater 15% m	1.894
125.00	GWMO 40% gas 25% oil 20% w ater 15% mu	1.753
125.00	MCW 15% mud 85% w ater	1.753
0.00	437' GIP	0.000

Total Length: 385.00 ft

Total Volume: 5.400 bbl

Num Fluid Samples: 0

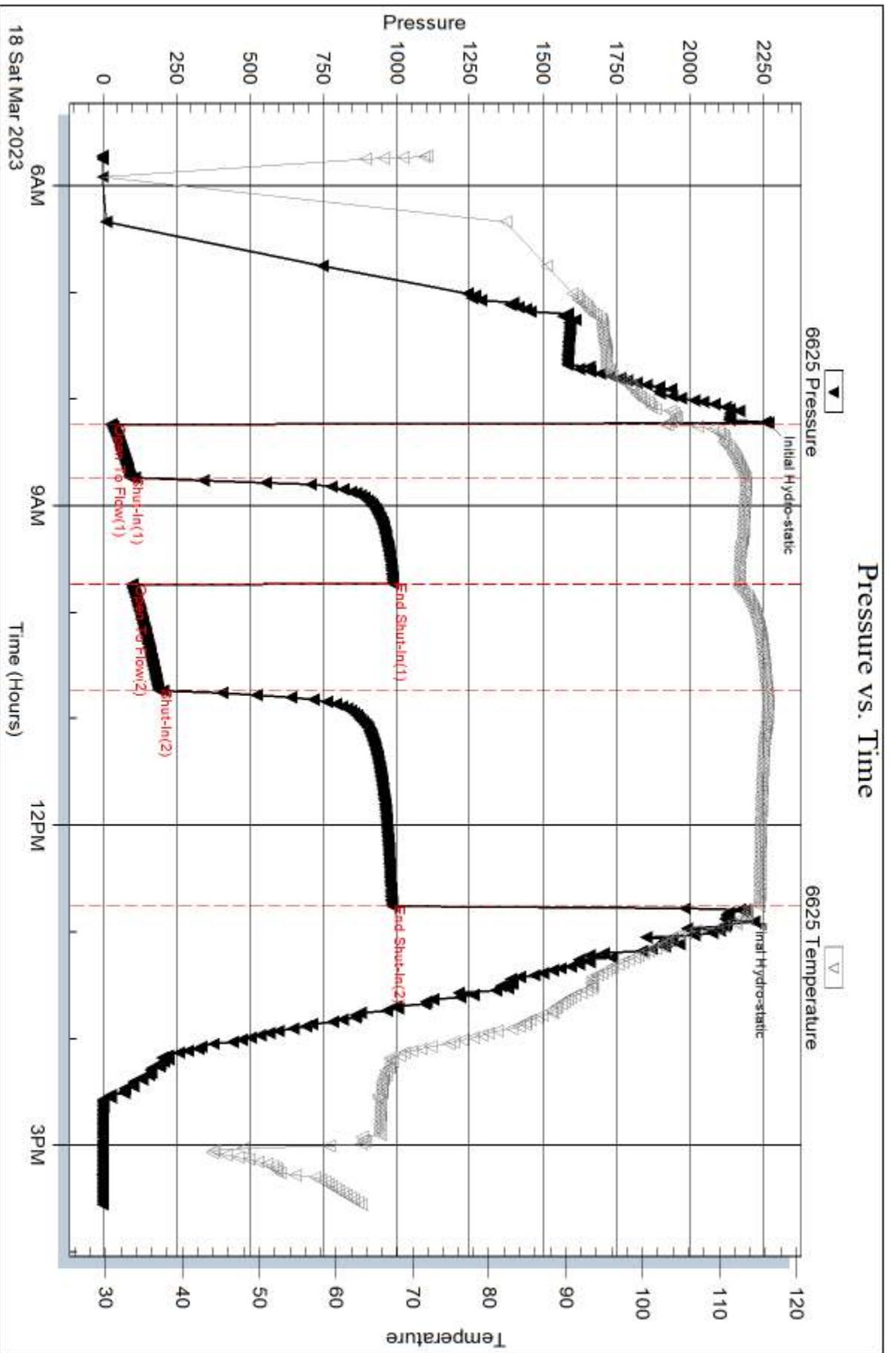
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1# LCM

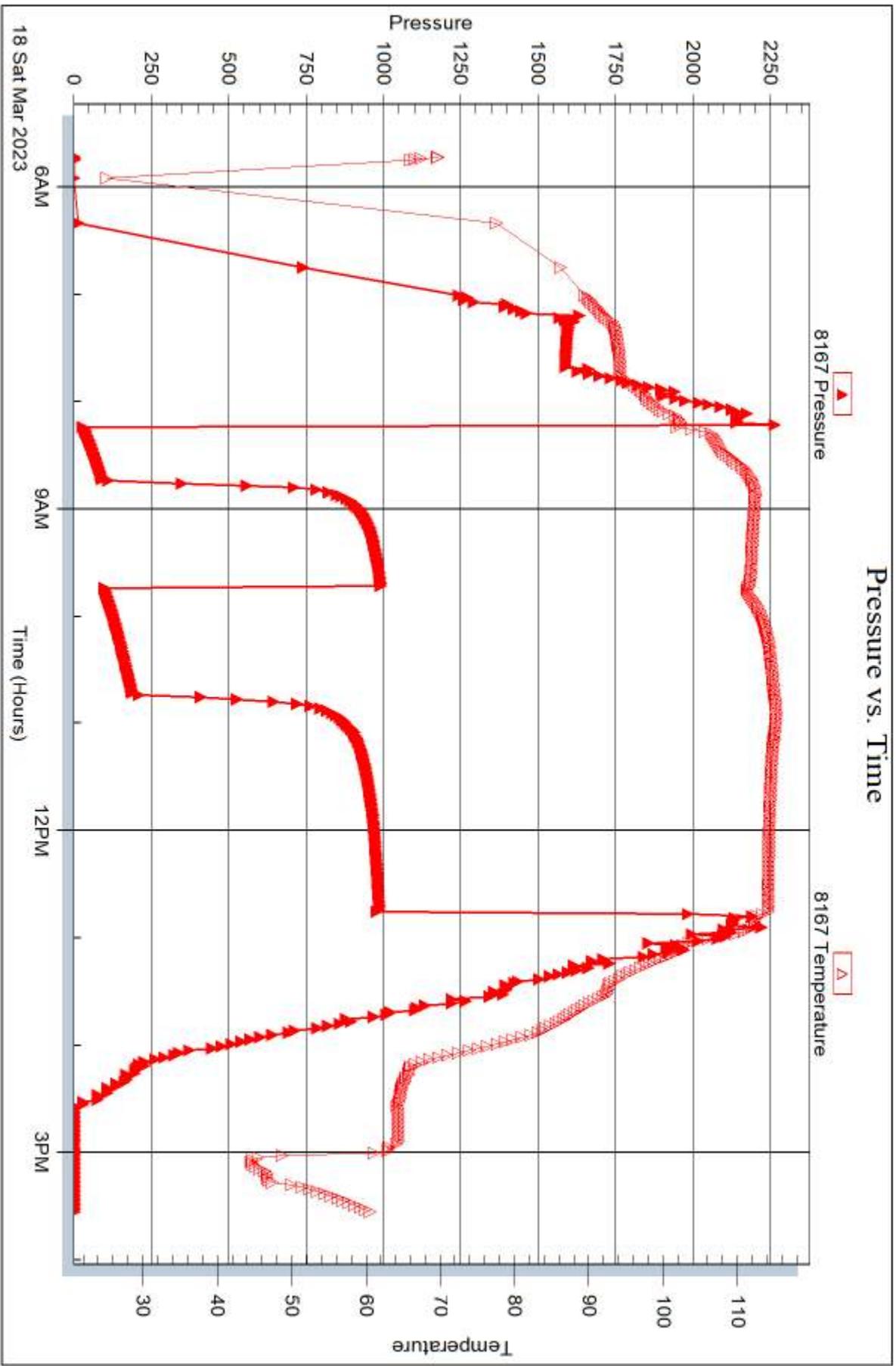


Serial #: 8167

Outside Eagle Creek Corp.

Leonard #2-2

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 70352

Printed: 2023.03.22 @ 15:40:21



DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Corp.**

423 Flint Hills National Ct
Andover, KS 67002

ATTN: Dave Goldak

Leonard #2-2

2 21s 34w Finney,KS

Start Date: 2023.03.19 @ 02:02:00

End Date: 2023.03.19 @ 11:36:00

Job Ticket #: 70353 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.03.22 @ 15:39:48



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Eagle Creek Corp.
 423 Flint Hills National Ct
 Andover, KS 67002
 ATTN: Dave Goldak

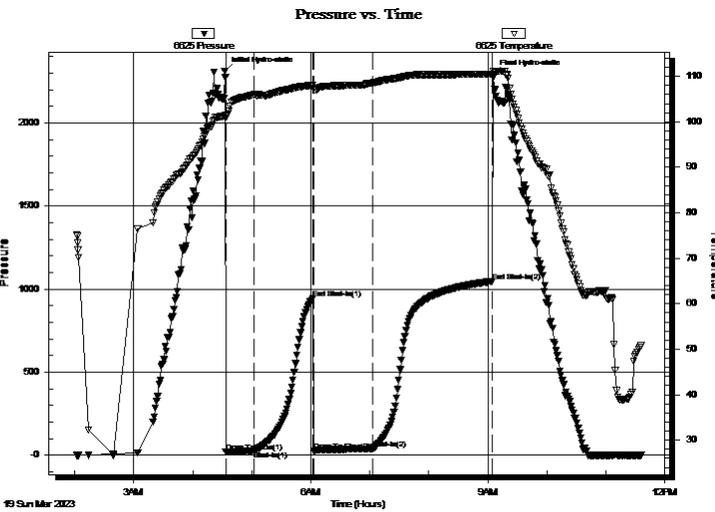
2 21s 34w Finney,KS
Leonard #2-2
 Job Ticket: 70353 **DST#: 5**
 Test Start: 2023.03.19 @ 02:02:00

GENERAL INFORMATION:

Formation: **Cherokee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:33:30
 Time Test Ended: 11:36:00
 Interval: **4464.00 ft (KB) To 4514.00 ft (KB) (TVD)**
 Total Depth: 4514.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Dustin Day
 Unit No: 70
 Reference Elevations: 2956.00 ft (KB)
 2951.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6625 Inside
 Press@RunDepth: 40.34 psig @ 4465.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2023.03.19 End Date: 2023.03.19 Last Calib.: 2023.03.19
 Start Time: 02:02:05 End Time: 11:36:00 Time On Btm: 2023.03.19 @ 04:32:30
 Time Off Btm: 2023.03.19 @ 09:05:30

TEST COMMENT: IF-30- Built to 8 1/2"
 SI1-60- No return
 FF-60- BIB in 15 sec, Built to 20.28"
 SI2-120- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2313.05	101.36	Initial Hydro-static
1	19.84	101.18	Open To Flow (1)
31	26.00	106.02	Shut-In(1)
90	945.22	108.04	End Shut-In(1)
91	23.56	107.31	Open To Flow (2)
151	40.34	108.56	Shut-In(2)
272	1044.46	110.42	End Shut-In(2)
273	2292.22	111.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	GOCM 30% gas 10% oil 60% mud	0.98
15.00	SGOCM 5% gas 5% oil 90% mud	0.21
0.00	104' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Eagle Creek Corp.

2 21s 34w Finney,KS

423 Flint Hills National Ct
Andover, KS 67002

Leonard #2-2

Job Ticket: 70353

DST#: 5

ATTN: Dave Goldak

Test Start: 2023.03.19 @ 02:02:00

Tool Information

Drill Pipe:	Length: 4466.00 ft	Diameter: 3.80 inches	Volume: 62.65 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	58000.00 lb
			<u>Total Volume: 62.65 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	4464.00 ft			Final	53000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	81.00 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			4434.00	
Shut In Tool	5.00			4439.00	
Hydraulic tool	5.00			4444.00	
Jars	5.00			4449.00	
EM Tool	3.00			4452.00	
Safety Joint	3.00			4455.00	
Packer	5.00			4460.00	31.00 Bottom Of Top Packer
Packer	4.00			4464.00	
Stubb	1.00			4465.00	
Recorder	0.00	6625	Inside	4465.00	
Recorder	0.00	8167	Outside	4465.00	
Perforations	12.00			4477.00	
Change Over Sub	1.00			4478.00	
Drill Pipe	31.00			4509.00	
Change Over Sub	1.00			4510.00	
Bullnose	4.00			4514.00	50.00 Bottom Packers & Anchor
Total Tool Length:	81.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Corp.

2 21s 34w Finney,KS

423 Flint Hills National Ct
Andover, KS 67002

Leonard #2-2

Job Ticket: 70353

DST#: 5

ATTN: Dave Goldak

Test Start: 2023.03.19 @ 02:02:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	GOCM 30% gas 10% oil 60% mud	0.982
15.00	SGOCM 5% gas 5% oil 90% mud	0.210
0.00	104' GIP	0.000

Total Length: 85.00 ft

Total Volume: 1.192 bbl

Num Fluid Samples: 0

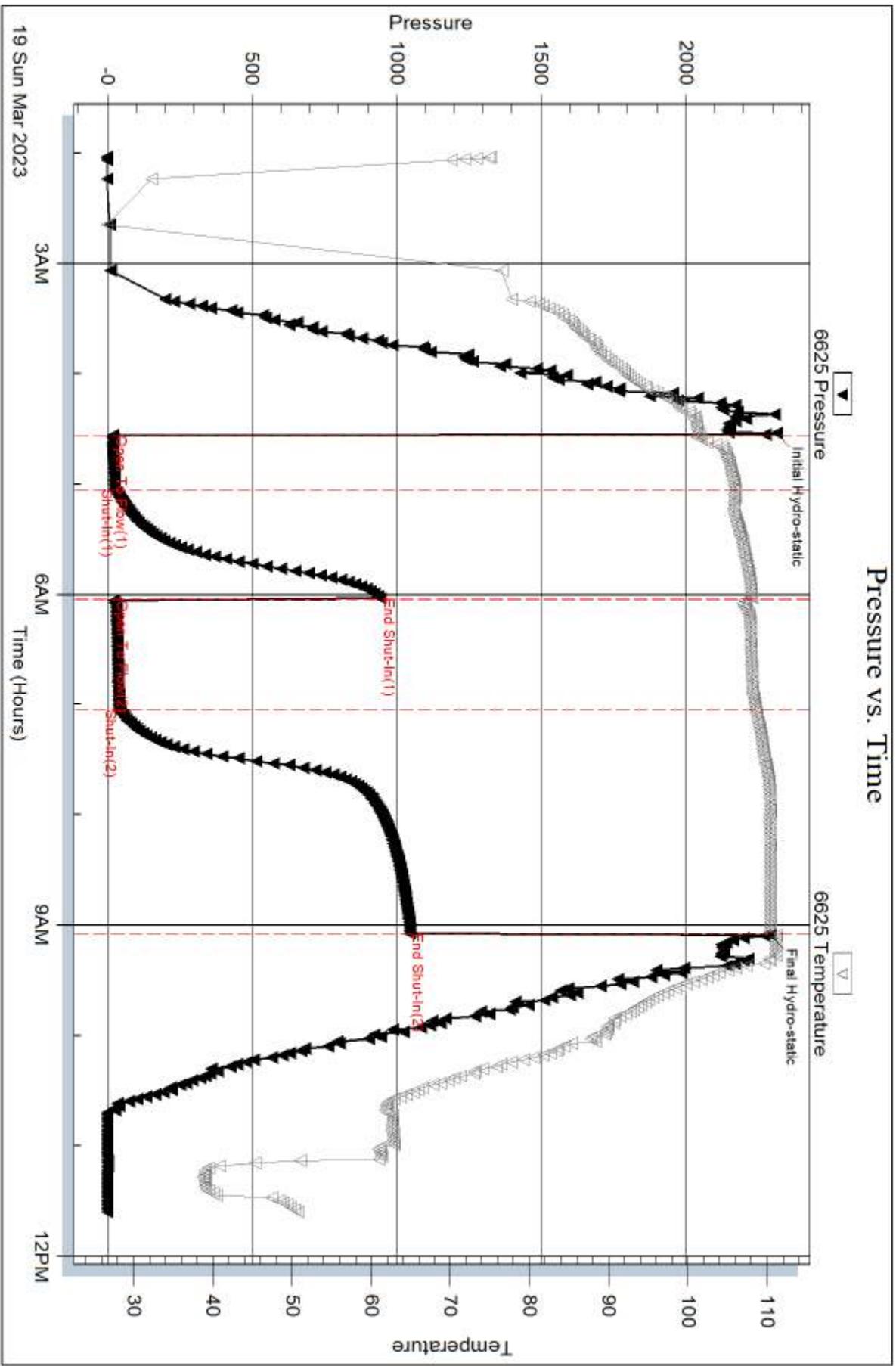
Num Gas Bombs: 0

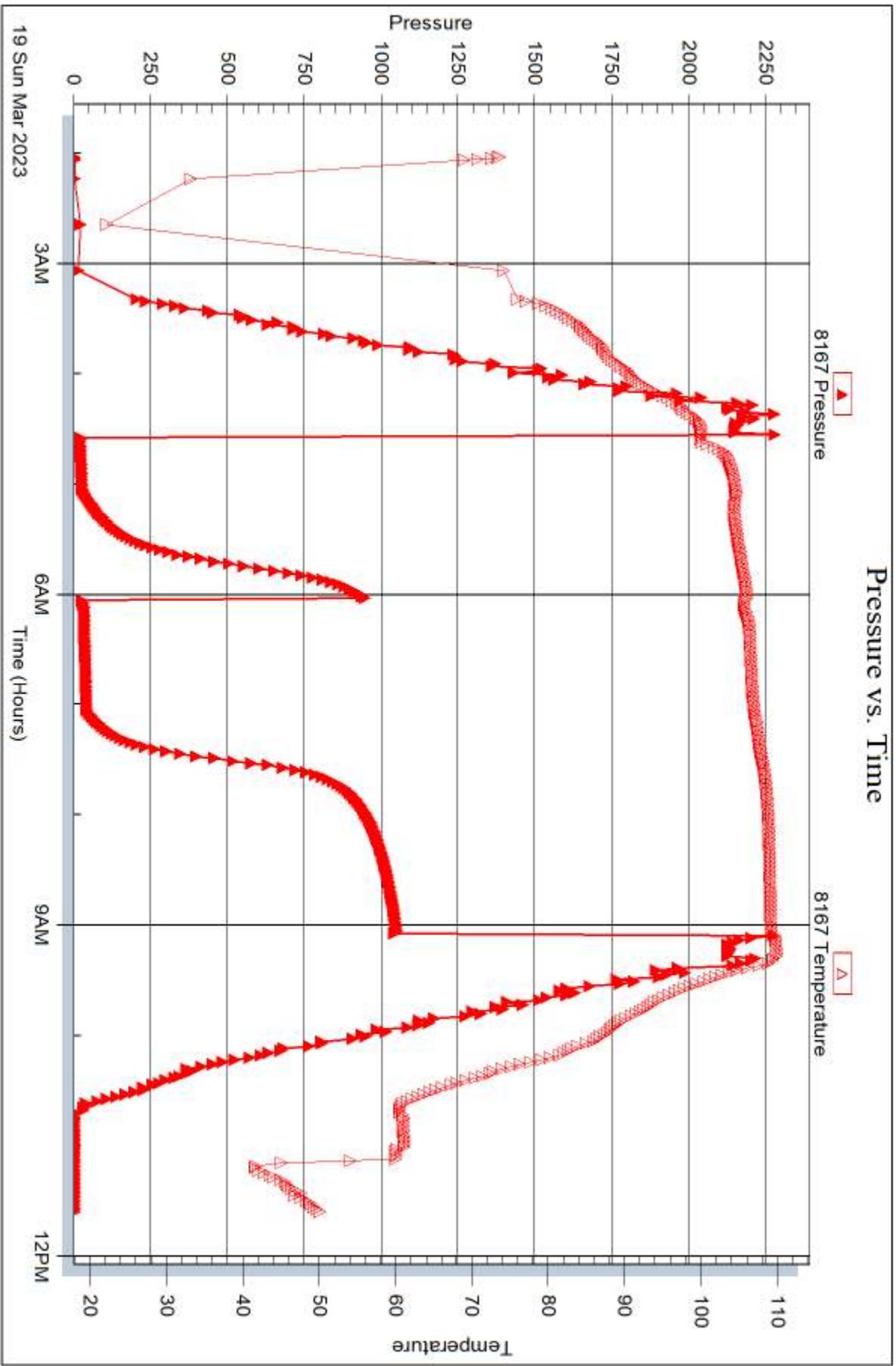
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1# LCM







DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Corp.**

423 Flint Hills National Ct
Andover, KS 67002

ATTN: Dave Goldak

Leonard #2-2

2 21s 34w Finney,KS

Start Date: 2023.03.20 @ 09:02:00

End Date: 2023.03.20 @ 18:18:30

Job Ticket #: 70354 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.03.22 @ 15:38:54



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Eagle Creek Corp.
 423 Flint Hills National Ct
 Andover, KS 67002
 ATTN: Dave Goldak

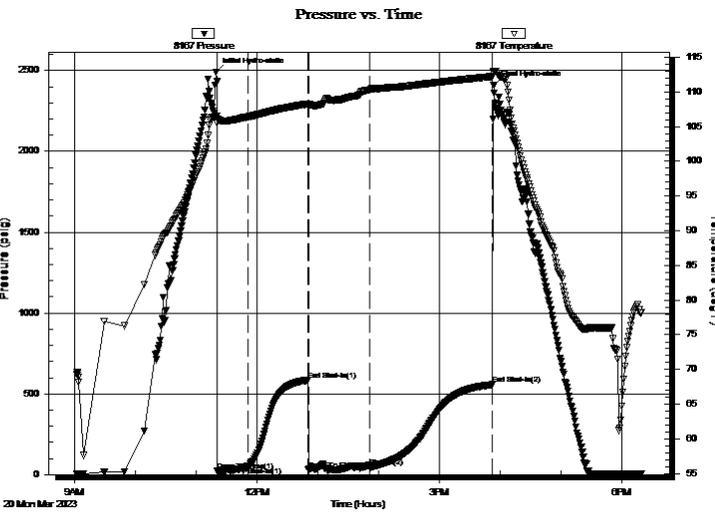
2 21s 34w Finney,KS
Leonard #2-2
 Job Ticket: 70354 **DST#: 6**
 Test Start: 2023.03.20 @ 09:02:00

GENERAL INFORMATION:

Formation: **Chester #2-2**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:20:45
 Time Test Ended: 18:18:30
 Interval: **4647.00 ft (KB) To 4714.00 ft (KB) (TVD)**
 Total Depth: 4714.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Dustin Day
 Unit No: 70
 Reference Elevations: 2956.00 ft (KB)
 2951.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8167 Outside
 Press@RunDepth: 47.49 psig @ 4648.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2023.03.20 End Date: 2023.03.20 Last Calib.: 2023.03.20
 Start Time: 09:02:05 End Time: 18:18:30 Time On Btm: 2023.03.20 @ 11:19:30
 Time Off Btm: 2023.03.20 @ 15:53:15

TEST COMMENT: IF-30- Built to 1.53"
 SI1-60- No return
 FF-60- Built to 2.38"
 SI2-120- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2491.45	106.56	Initial Hydro-static
2	21.87	105.52	Open To Flow (1)
32	47.05	106.40	Shut-In(1)
91	584.85	108.29	End Shut-In(1)
91	27.68	108.18	Open To Flow (2)
152	47.49	110.31	Shut-In(2)
273	557.10	112.22	End Shut-In(2)
274	2410.40	113.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	VSOCM 5% gas 2% oil 97% mud	0.42

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Eagle Creek Corp.

2 21s 34w Finney,KS

423 Flint Hills National Ct
Andover, KS 67002

Leonard #2-2

Job Ticket: 70354

DST#: 6

ATTN: Dave Goldak

Test Start: 2023.03.20 @ 09:02:00

Tool Information

Drill Pipe:	Length: 4621.00 ft	Diameter: 3.80 inches	Volume: 64.82 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	59000.00 lb
			<u>Total Volume: 64.82 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	53000.00 lb
Depth to Top Packer:	4647.00 ft			Final	53000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	67.00 ft				
Tool Length:	98.00 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			4617.00	
Shut In Tool	5.00			4622.00	
Hydraulic tool	5.00			4627.00	
Jars	5.00			4632.00	
EM Tool	3.00			4635.00	
Safety Joint	3.00			4638.00	
Packer	5.00			4643.00	31.00 Bottom Of Top Packer
Packer	4.00			4647.00	
Stubb	1.00			4648.00	
Recorder	0.00	6625	Inside	4648.00	
Recorder	0.00	8167	Outside	4648.00	
Perforations	28.00			4676.00	
Change Over Sub	1.00			4677.00	
Drill Pipe	32.00			4709.00	
Change Over Sub	1.00			4710.00	
Bullnose	4.00			4714.00	67.00 Bottom Packers & Anchor
Total Tool Length:	98.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Corp.

2 21s 34w Finney,KS

423 Flint Hills National Ct
Andover, KS 67002

Leonard #2-2

Job Ticket: 70354

DST#: 6

ATTN: Dave Goldak

Test Start: 2023.03.20 @ 09:02:00

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	VSOCM 5% gas 2% oil 97% mud	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

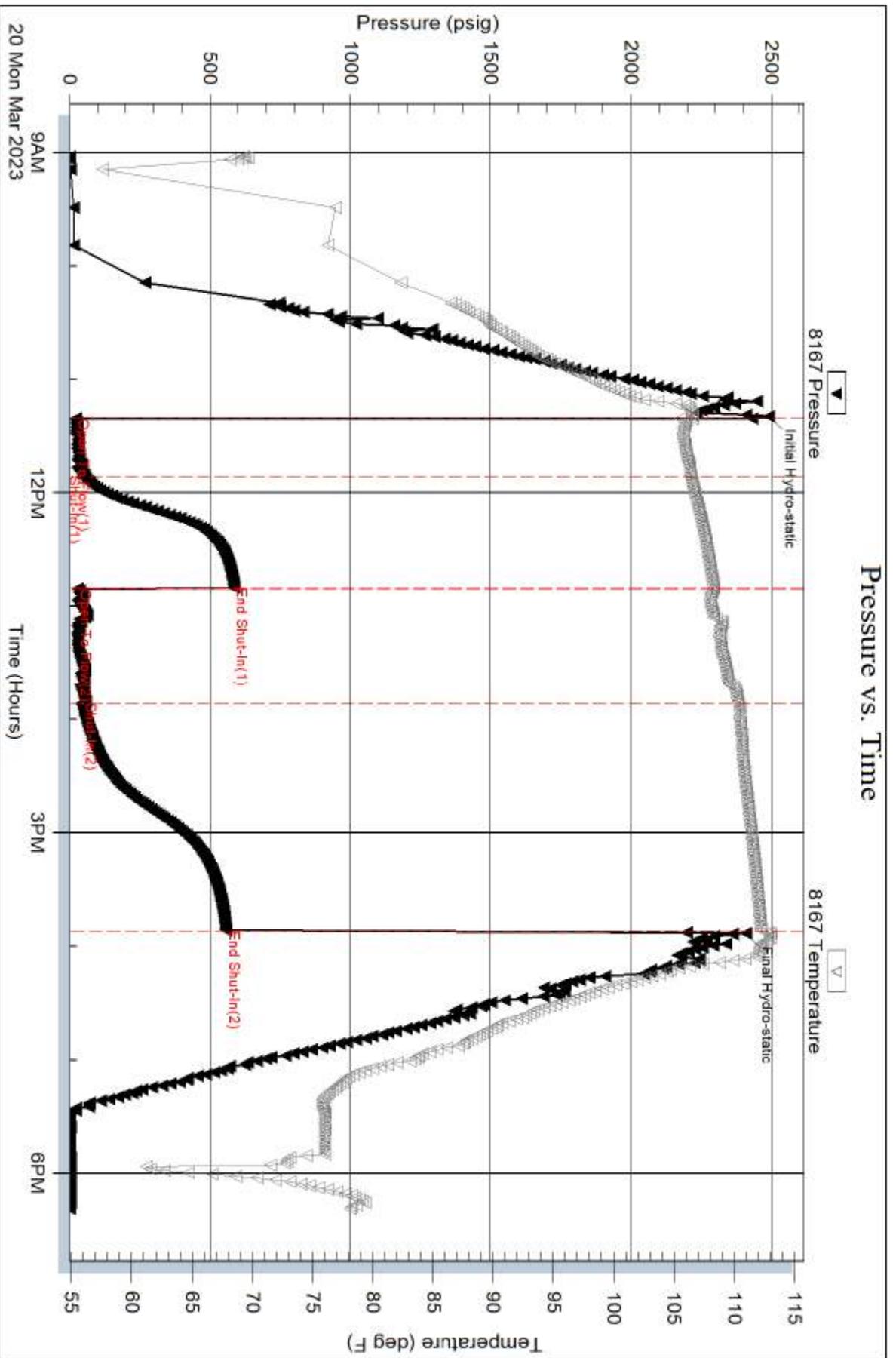
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1# LCM



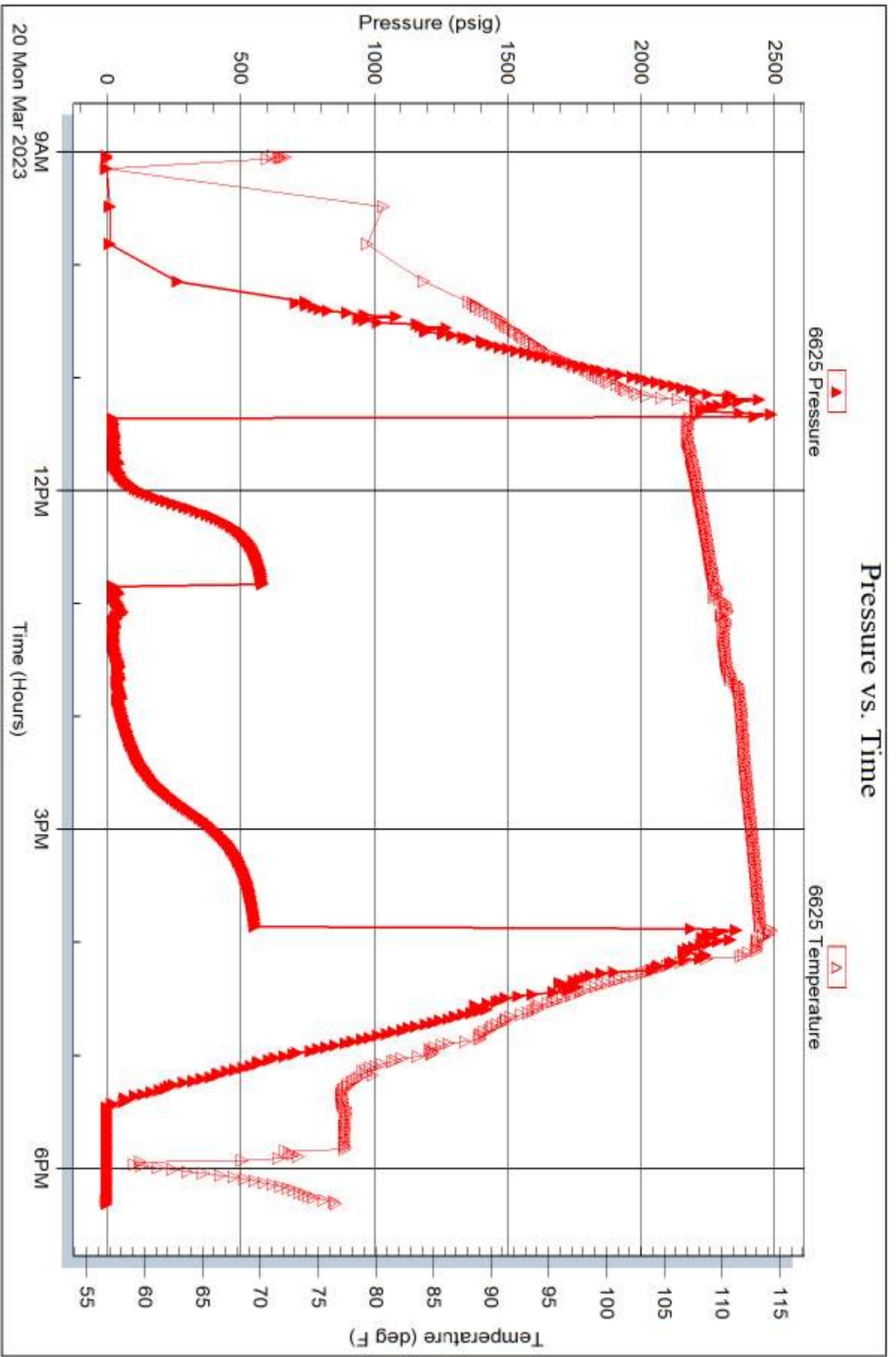
Serial #: 6625

Inside

Eagle Creek Corp.

Leonard #2-2

DST Test Number: 6





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70273

Well Name & No. Leonard #2-2 Test No. 1 Date 03/15/2023
 Company Eagle Creek Corp. Elevation 2956 KB 2951 GL
 Address Anchor, Ks 67002
 Co. Rep / Geo Dave Goldak Rig LD
 Location: Sec. 2 Twp 21s Rge. 34w Co. Finney State Ks

Interval Tested 4046-4121 Zone Tested LKC H-I
 Anchor Length 75 Drill Pipe Run 4036 Mud Wt. 9.0
 Top Packer Depth 4041 Drill Collars Run — Vis 54
 Bottom Packer Depth 4046 Wt. Pipe Run — WL 7.6
 Total Depth 4121 Chlorides 3700 ppm System LCM 1/2#

Blow Description IF BOB @ 6 min - 33"
ISI No return.
FF BOB @ 8 min - 36"
FSI No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>S</u>	<u>oil</u>	<u>100</u>			
<u>520</u>	<u>mcw (oil spots)</u>		<u>95</u>	<u>5</u>	
<u>420</u>	<u>mcw</u>		<u>97</u>	<u>3</u>	

Rec Total 945 BHT 112 Gravity — API RW 173 @ 52 °F Chlorides 5800 ppm
 Initial Hydrostatic 2000 Test 1950 Ruined Shale Packer
 Initial Flow 46 to 218 Jars 300 Ruined Packer
 Initial Shut-In 1005 Circ Sub Hotel
 Final Flow 225 to 448 Hourly Standby 1.75 EM Tool Successful
 Final Shut-In 998 Mileage 48RT 8050 Accessibility
 Final Hydrostatic 1965 Sampler Gas Sample
 T- On Location 1645 Straddle Sub Total 0
 Initial Flow 30 T-Started 1755 Shale Packer Total 2505.50
 Initial Shut-In 60 T-Open 2217 Extra Packer Tool Loaded 0600 @ 03/15
 Final Flow 60 T-Pulled 0250 Extra Recorder MP/DST Disc't
 Final Shut-In 120 T-Out 0526 Day Standby

Comments _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **70150**

Well Name & No. Leonard #2-2 Test No. 2 Date 3/16/23
 Company Eagle Creek Corp Elevation 2956 KB 2951 GL _____
 Address 423 E Flint Hills National CT Andover, KS 67002
 Co. Rep / Geo Dave Goldak Rig LD Rig#1
 Location: Sec. 2 Twp 21S Rge. 34W Co. Finney State KS

Interval Tested 4344-4365 Zone Tested Marmaton "B"
 Anchor Length 21 Drill Pipe Run 4341 Mud Wt. 9.1
 Top Packer Depth 4339 Drill Collars Run 0 Vis 48
 Bottom Packer Depth 4344 Wt. Pipe Run 0 WL 7.2
 Total Depth 4365 Chlorides 5100 ppm System LCM 2#
 Blow Description IF Built to 1 1/2" in 2 min, lost packer seat

Rec	Feet of	%gas	%oil	%water	%mud
<u>320</u>	<u>mud</u>			<u>100</u>	
	<u>oil spots on top</u>				

Rec Total 320 BHT _____ Gravity _____ API RW _____ @ _____ *F Chlorides _____ ppm
 Initial Hydrostatic _____ Test 1500 Ruined Shale Packer _____
 Initial Flow _____ to _____ Jars 300 Ruined Packer _____
 Initial Shut-In _____ Circ Sub _____ Hotel Shop
 Final Flow _____ to _____ Hourly Standby _____ EM Tool Successful -350
 Final Shut-In _____ Mileage 46 80.50 Accessibility _____
 Final Hydrostatic _____ Sampler _____ Gas Sample _____
 T- On Location 00:40 Straddle _____ Sub Total -350
 Initial Flow _____ T-Started 01:28 Shale Packer _____ Total 1530.50
 Initial Shut-In _____ T-Open 03:25 Extra Packer _____ Tool Loaded _____ @ _____
 Final Flow _____ T-Pulled 03:28 Extra Recorder _____ MP/DST Disc't _____
 Final Shut-In _____ T-Out 10:20 Day Standby _____

Comments _____

Approved By _____ Our Representative DWJ DJ

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **70351**

Well Name & No. Leonard #2-2 Test No. 3 Date 3/16/23
 Company Eagle Creek Corp Elevation 2956 KB 2951 GL
 Address 423 E Flint Hills National CT Andover, KS 67002
 Co. Rep / Geo Dave Goldak Rig LD Rig #1
 Location: Sec. 2 Twp 21S Rge. 34W Co. Finney State KS

Interval Tested 4351-4372 Zone Tested Marathon "B"
 Anchor Length 21 Drill Pipe Run 4343 Mud Wt. 93
 Top Packer Depth 4346 Drill Collars Run 0 Vis 50
 Bottom Packer Depth 4351 Wt. Pipe Run 0 WL 80
 Total Depth 4372 Chlorides 5200 ppm System LCM 2#

Blow Description IF- BOB in 2 min built to 136.88" (tool slid 5' after being opened)
S14- BOB in 10 1/2 min built to 58.71"
FF- BOB Immediately built to 136.38"
S12- BOB in 18 min built to 33.57" died to 31.50" GTS on bleed off

Rec	Feet of	%gas	%oil	%water	%mud
<u>1190</u>	<u>GO</u>	<u>15</u>	<u>85</u>		
<u>125</u>	<u>GSOCM</u>	<u>30</u>	<u>2</u>		<u>68</u>
	<u>GTS</u>				

Rec Total 1315 BHT 116 Gravity 29 API RW _____ @ _____ °F Chlorides _____ ppm
 Initial Hydrostatic 2233 Test 1950 Ruined Shale Packer _____
 Initial Flow 70 to 233 Jars 300 Ruined Packer _____
 Initial Shut-In 977 Circ Sub _____ Hotel Shop
 Final Flow 245 to 285 Hourly Standby _____ EM Tool Successful -175
 Final Shut-In 960 Mileage 46 80.50 Accessibility _____
 Final Hydrostatic 2162 Sampler _____ Gas Sample _____
 T- On Location 18:45 Straddle _____ Sub Total -175
 Initial Flow 30 T-Started 19:11 Shale Packer _____ Total 2155.50
 Initial Shut-In 600 T-Open 21:34 Extra Packer _____ Tool Loaded _____ @ _____
 Final Flow 600 T-Pulled 02:04 Extra Recorder _____ MP/DST Disc't _____
 Final Shut-In 120 T-Out 05:52 Day Standby _____

Comments _____

Approved By _____ Our Representative DWG DY

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **70352**

Well Name & No. Leonard #2-2 Test No. 4 Date 3/18/23
 Company Eagle Creek Corp Elevation 2956 KB 2951 GL
 Address 423 E Flint Hills National Ct Andover, KS 67002
 Co. Rep / Geo Dave Goddak Rig LD Rig#1
 Location: Sec. 2 Twp 21S Rge. 34W Co. Finney State KS

Interval Tested 4420-4470 Zone Tested Pawnee-Ft. Scott
 Anchor Length 50 Drill Pipe Run 4405 Mud Wt. 9.2
 Top Packer Depth 4415 Drill Collars Run 0 Vis 43
 Bottom Packer Depth 4420 Wt. Pipe Run 0 WL 8.0
 Total Depth 4470 Chlorides 5600 ppm System LCM 1#

Blow Description IF- BOB in 17 1/2 min. built to 17.37"
S12- 1.75" Return blow
FF- BOB in 17 min. built to 31.4"
S12- Return blow built to 5" died back to 4.5"

Rec	Feet of	%gas	%oil	%water	%mud
<u>135'</u>	<u>GMWCO</u>	<u>30</u>	<u>35</u>	<u>20</u>	<u>15</u>
<u>125'</u>	<u>GMWMO</u>	<u>40</u>	<u>25</u>	<u>20</u>	<u>15</u>
<u>125'</u>	<u>MCW</u>			<u>85</u>	<u>15</u>
	<u>437' GIP</u>				

Rec Total 385 BHT 115 Gravity _____ API RW .46 @ 40 °F Chlorides 21000 ppm
 Initial Hydrostatic 2267 Test 1950 Ruined Shale Packer _____
 Initial Flow 29 to 93 Jars 300 Ruined Packer _____
 Initial Shut-In 988 Circ Sub _____ Hotel Shop _____
 Final Flow 100 to 189 Hourly Standby _____ EM Tool Successful _____
 Final Shut-In 984 Mileage 46 80.50 Accessibility _____
 Final Hydrostatic 2171 Sampler _____ Gas Sample _____
 T- On Location 05:15 Straddle _____ Sub Total 0
 Initial Flow 30 T-Started 05:43 Shale Packer _____ Total 2330.50
 Initial Shut-In 600 T-Open 08:14 Extra Packer _____ Tool Loaded _____ @ _____
 Final Flow 600 T-Pulled 12:44 Extra Recorder _____ MP/DST Disc't _____
 Final Shut-In 120 T-Out 15:34 Day Standby _____

Comments _____

Approved By _____ Our Representative DUSTY

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **70353**

Well Name & No. Leonard #2-2 Test No. 5 Date 3/19/23
 Company Eagle Creek Corp Elevation 2956 KB 2951 GL
 Address 423 E. Flint Hills National Ct Andover, KS 67002
 Co. Rep / Geo Dave Goldak Rig LD Rig#1
 Location: Sec. 2 Twp 21S Rge. 34W Co. Finney State KS

Interval Tested 4464-4514 Zone Tested Cherokee
 Anchor Length 50 Drill Pipe Run 4466 Mud Wt. 9.3
 Top Packer Depth 4459 Drill Collars Run 0 Vis 50
 Bottom Packer Depth 4464 Wt. Pipe Run 0 WL 8.0
 Total Depth 4514 Chlorides 6000 ppm System LCM 1#

Blow Description IF-Built to 8 1/2"
SIF-NO return
FF-ROB in 15 sec. built to 20.28"
SIF-NO return

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>60CM</u>	<u>30%</u>	<u>10%</u>	<u>60%</u>	<u>0%</u>
<u>15</u>	<u>560CM</u>	<u>5%</u>	<u>5%</u>	<u>90%</u>	<u>0%</u>
	<u>104' GIP</u>				

Rec Total 85 BHT 111 Gravity _____ API RW _____ @ _____ *F Chlorides _____ ppm
 Initial Hydrostatic 2315 Test 1950 Ruined Shale Packer _____
 Initial Flow 20 to 26 Jars 300 Ruined Packer _____
 Initial Shut-In 945 Circ Sub _____ Hotel shop
 Final Flow 24 to 40 Hourly Standby _____ EM Tool Successful -350
 Final Shut-In 1044 Mileage 46 80.50 Accessibility _____
 Final Hydrostatic 2292 Sampler _____ Gas Sample _____
 T- On Location 01:35 Straddle _____ Sub Total -350
 Initial Flow 30 T-Started 02:02 Shale Packer _____ Total 1980.50
 Initial Shut-In 100 T-Open 04:34 Extra Packer _____ Tool Loaded _____ @ _____
 Final Flow 100 T-Pulled 09:04 Extra Recorder _____ MP/DST Disc't _____
 Final Shut-In 120 T-Out 11:30 Day Standby _____

Comments _____

Approved By _____ Our Representative DWJdy

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **70354**

Well Name & No. Leonard #2-2 Test No. 1e Date 3/20/23
 Company Eagle Creek Corp Elevation 2951 KB 2951 GL
 Address 423 E. Flint Hills National CT Andover, KS 67002
 Co. Rep / Geo Dave Goldak Rig LD Rig#1
 Location: Sec. 2 Twp 21S Rge. 34W Co. Finney State KS

Interval Tested 4647-4714 Zone Tested Chester Sand
 Anchor Length 67 Drill Pipe Run 4621 Mud Wt. 9.4
 Top Packer Depth 4643 Drill Collars Run 0 Vis 53
 Bottom Packer Depth 4647 Wt. Pipe Run 0 WL 80
 Total Depth 4714 Chlorides 6700 ppm System LCM #

Blow Description IF- Built to 1.53"
S11- No return
FF Built to 2.38"

S12- No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>VS 60CM</u>	<u>5</u>	<u>2</u>	<u>93</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 30' BHT 113 Gravity _____ API RW _____ @ _____ *F Chlorides _____ ppm
 Initial Hydrostatic 2491 Test 1950 Ruined Shale Packer _____
 Initial Flow 22 to 47 Jars 300 Ruined Packer _____
 Initial Shut-In 585 Circ Sub _____ Hotel Shop
 Final Flow 28 to 47 Hourly Standby _____ EM Tool Successful _____
 Final Shut-In 557 Mileage 46 X 2 161 Accessibility _____
 Final Hydrostatic 2410 Sampler _____ Gas Sample _____
 T-On Location 08:30 Straddle _____ Sub Total 0
 Initial Flow 30 T-Started 09:02 Shale Packer _____ Total 2411
 Initial Shut-In 60 T-Open 11:21 Extra Packer _____ Tool Loaded 3/21 @ 11:00
 Final Flow 60 T-Pulled 15:51 Extra Recorder _____ MP/DST Disc't _____
 Final Shut-In 120 T-Out 18:18 Day Standby _____

Comments _____

Approved By _____ Our Representative Duff Dy

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GEOLOGIC REPORT

DAVID J. GOLDAK

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

Well Name: Leonard #2-2
API: 15-055-22582-0000
Location: Section 2 - T21S - R34W
License Number: _____
Spud Date: 03 / 08 / 2023
Surface Coordinates: 1270' FNL and 2250' FEL
SE - SW - NW - NE
Bottom Hole Coordinates: _____
Ground Elevation (ft): 2951' K.B. Elevation (ft): 2956'
Logged Interval (ft): 3700' To: 4880' Total Depth (ft): 4880'
Formation: Miss. St Louis
Type of Drilling Fluid: Chemical - Mud Co

Region: Finney Co., KS
Drilling Completed: 03 / 21 / 2023

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

OPERATOR

Company: Eagle Creek Corporation
Address: 423 E Flint Hills National Ct
Andover, KS 67002

GEOLOGIST

Name: David J. Goldak
Company: D. J. GOLDAK, INC.
Address: 12427 W Ridgepoint Cir
Wichita, Kansas 67235

General Information

CONTRACTOR: LD Drilling, Rig #1

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12.25	Varel ?	3-15s	263'	263'	2.75
2	7.875	Varel HE-27	14-14-15	4880'	4617'	133.25

SURVEYS: 263'-0.25, 4121'-1.00, 4470'-0.75, 4880'-1.00

GENERAL DRILLING AND PUMP INFORMATION:

Drilling with 16 collars (6.25"x2.25"): 482.10'
Drilling with 37,000-38,000 lbs on bit and 60-70 RPM
Pumping 60 S/M; 8.3 B/M; and 800-900 PSI at the standpipe

Daily Status

03/08/23 - Spud at 7:15 PM; Set 8.625" csg @ 260'; PD @ 2:45 AM
 03/09/23 - 263' WOC; DP @ 10:45 AM
 03/10/23 - 1,130' Drilling
 03/11/23 - 2,305' Drilling
 03/12/23 - 2,965' Drilling
 03/13/23 - 3,500' Drilling; Displace @ 3,552'
 03/14/23 - 4,005' Drilling
 03/15/23 - 4,121' TIH following DST #1; DST #2 @ 4,365' in PM; Shut down due to weather at 4:45 AM
 03/16/23 - 4,365' Shut down; Start up at 8:30 AM; DST #3 @ 4,372'
 03/17/23 - 4,372' Shut down due to lack of workers; Start up at 2:00 PM
 03/18/23 - 4,470' TIH with DST #4
 03/19/23 - 4,514' DST #5 in progress
 03/20/23 - 4,714' TOOH for DST #6
 03/21/23 - 4,820' Drilling; RTD 4,880'; Log well in PM

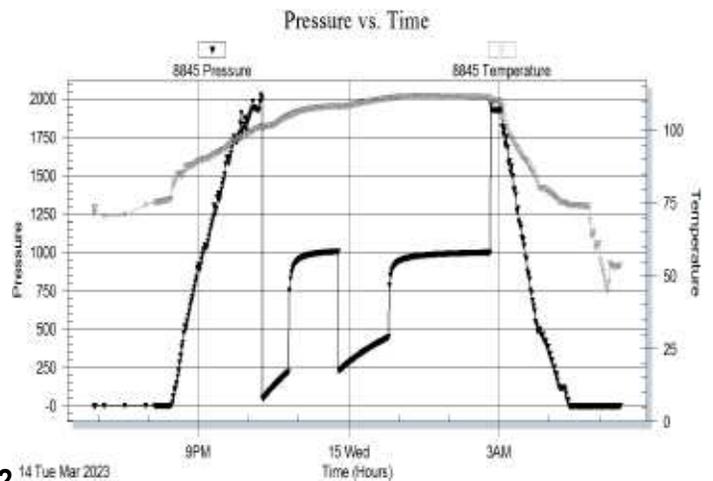
	Log Tops	Sample Tops
Anhydrite	2095 (+861)	2096 (+860)
Base/Anhy	2108 (+848)	2109 (+847)
Heebner	3807 (-851)	3810 (-854)
Lansing	3851 (-895)	3853 (-897)
Muncie Creek Sh	4045 (-1089)	4051 (-1095)
Stark Shale	4179 (-1223)	4181 (-1225)
Hushpuckney Sh	4225 (-1269)	4228 (-1272)
Marmaton	4342 (-1386)	4340 (-1384)
Pawnee	4424 (-1468)	4430 (-1474)
Ft Scott	4449 (-1493)	4452 (-1496)
Cherokee Shale	4463 (-1507)	4467 (-1511)
Morrow Shale	4647 (-1691)	4650 (-1694)
Chester Sand	4695 (-1739)	4697 (-1741)
Miss. St Genevieve	4707 (-1751)	4709 (-1753)
Miss. St Louis	4740 (-1784)	4739 (-1783)
Total Depth	4878 (-1922)	4880 (-1924)

DST #1: 4,046' - 4,121' (LKC 'H' & 'I')
 30" - 60" - 60" - 120"

IF: Blow building to BOB in 6 minutes
ISI: No return blow
FF: Blow building to BOB in 8 minutes
FSI: No return blow

RECOVERY: 945' Total Fluid, consisting of:
 5' Oil (100% O)
 520' SMCW (95% W & 5% M); with oil spots
 420' SMCW (95% W & 5% M); Chlorides: 58,000 ppm

IFP: 49-219; ISIP: 1006; FFP: 226-449; FSIP: 999; BHT: 112



DST #2: 4,344' - 4,356' (Marmaton 'B')
Misrun - Tool slid 7'; Open 2 min. prior to packer failure.
Recovered: 320' Mud w/ oil spots in top

DST #3: 4,351' - 4,372' (Marmaton 'B')

[Tool slid 5' to bottom]

30" - 60" - 60" - 120"

IF: Blow building to BOB in 2 minutes

ISI: Blow building to BOB in 10.5 minutes

FF: Blow building to BOB immediately

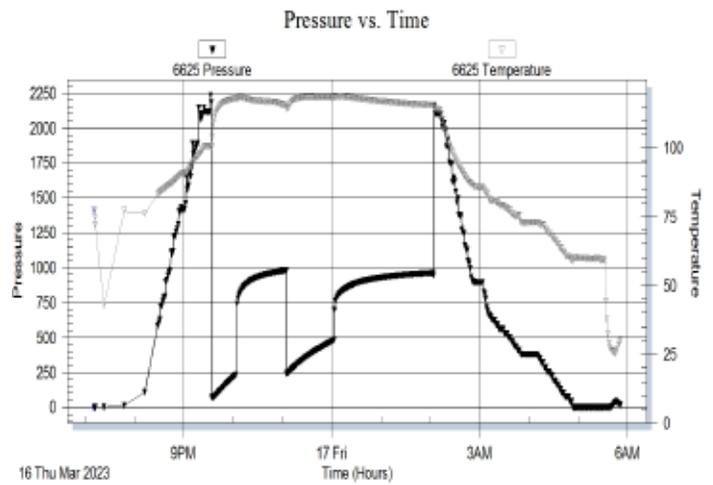
FSI: Blow building to BOB in 18 minutes; GTS, TSTM

RECOVERY: 1315' Total Fluid, consisting of:

1190' Oil (100% O); Gravity: 29 API

125' GSOCM (30% G, 2% O & 68% M)

IFP: 70-233; ISIP: 977; FFP: 245-285; FSIP: 960; BHT: 116



DST #4: 4,420' - 4,470' (Pawnee & Ft Scott)

30" - 60" - 60" - 120"

IF: Blow building to BOB in 17.5 minutes

ISI: Blow building to 1.75 inches

FF: Blow building to BOB in 17 minutes

FSI: Blow building to 5 inches

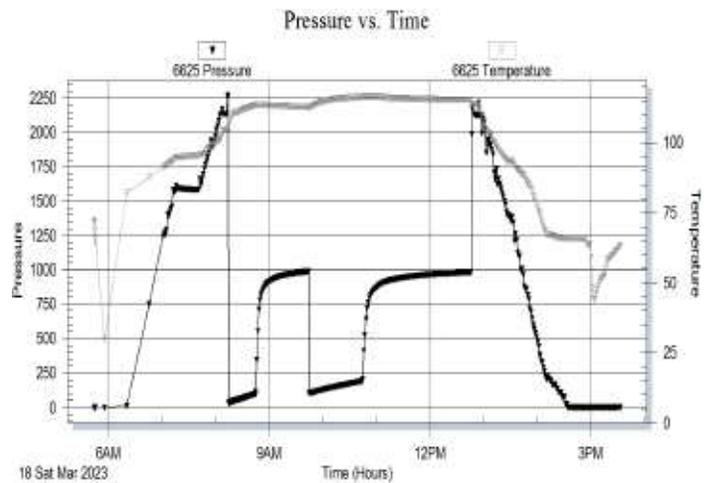
RECOVERY: 437' GIP & 385' Total Fluid, consisting of:

135' GMWCO (30% G, 35% O, 20% W & 15% M)

125' GMWCO (40% G, 25% O, 20% W & 15% M)

125' MCW (85% W & 15% M); Chlorides: 27,000 ppm

IFP: 29-93; ISIP: 988; FFP: 100-189; FSIP: 984; BHT: 115



DST #5: 4,464' - 4,514' (Cherokee Ls)

30" - 60" - 60" - 120"

IF: Blow building to 8.5 inches

ISI: No return blow

FF: Blow building to BOB in 0.25 minute

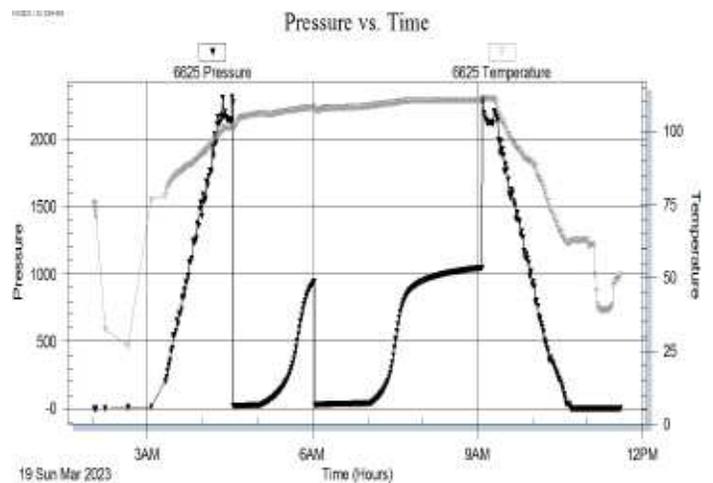
FSI: No return blow

RECOVERY: 104' GIP & 85' Total Fluid, consisting of:

70' GOCM (30% G, 10% O & 60% M)

15' SGOCM (5% G, 5% O & 90% M)

IFP: 20-26; ISIP: 945; FFP: 24-40; FSIP: 1044; BHT: 111

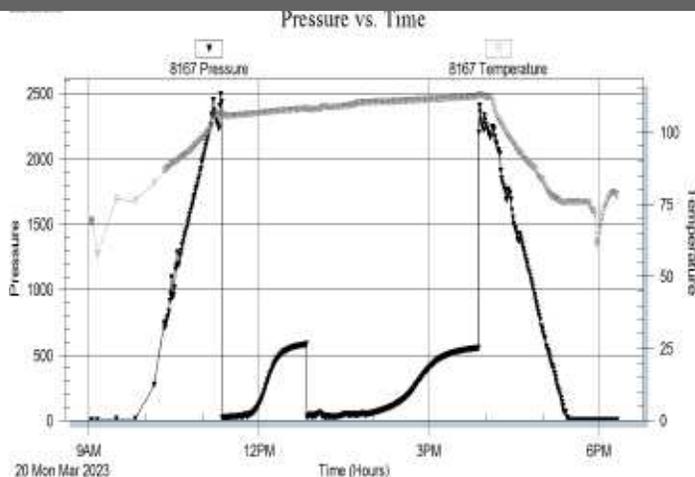


DST #6: 4,647' - 4,714' (Chester Sand)
30" - 60" - 60" - 120"

IF: Blow building to 1.5 inches
ISI: No return blow
FF: Blow building to 2.4 inches
FSI: No return blow

RECOVERY: 30' Total Fluid, consisting of:
30' VSGOCM (5% G, 2% O & 93% M)

IFP: 22-47; ISIP: 585; FFP: 28-47; FSIP: 557; BHT: 113



ROCK TYPES

- Anhy
- Bent
- Brec
- Cht
- Clyst
- Coal
- Congl
- Dol

- Gyp
- Igne
- Lmst
- Meta
- Mrlst
- Salt
- Shale
- Shcol

- Shgy
- Sltst
- Ss
- Till
- Carb sh
- Dol
- Dtd
- Gry sh

- Sandylms
- Shale
- Sltstn
- Shlyslts
- Sltysch
- Lms

ACCESSORIES

- #### MINERAL
- Anhy
 - Arggrn
 - Arg
 - Bent
 - Bit
 - Brecfrag
 - Calc
 - Carb
 - Chtdk
 - Chtlt
 - Dol
 - Feldspar
 - Ferrpel
 - Ferr
 - Glau
 - Gyp
 - Hvymin
 - Kaol
 - Marl
 - Minxl
 - Nodule
 - Phos
 - Pyr

- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Sltly

- #### FOSSIL
- Algae
 - Amph
 - Belm
 - Bioclst
 - Brach
 - Bryozoa
 - Cephal
 - Coral
 - Crin
 - Echin
 - Fish
 - Foram

- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

- #### STRINGER
- Anhy
 - Arg
 - Bent
 - Coal
 - Dol
 - Gyp
 - Ls
 - Mrst
 - Sltstrg
 - Ssstrg
 - Carbsh

- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

- #### TEXTURE
- Boundst
 - Chalky
 - Cryxln
 - Earthy
 - Finexln
 - Grainst
 - Lithogr
 - Microxln
 - Mudst
 - Packst
 - Wackest

OTHER SYMBOLS

POROSITY TYPE

- E Earthy
- F Fenest
- F Fracture
- X Inter
- M Moldic
- O Organic
- P Pinpoint
- V Vuggy

SORTING

- W Well
- M Moderate
- P Poor

ROUNDING

- R Rounded
- F Subrnd
- a Subang
- A Angular

OIL SHOWS

- Even
- ◉ Spotted
- ◻ Ques
- ◻ Dead
- ⊠ Gas show

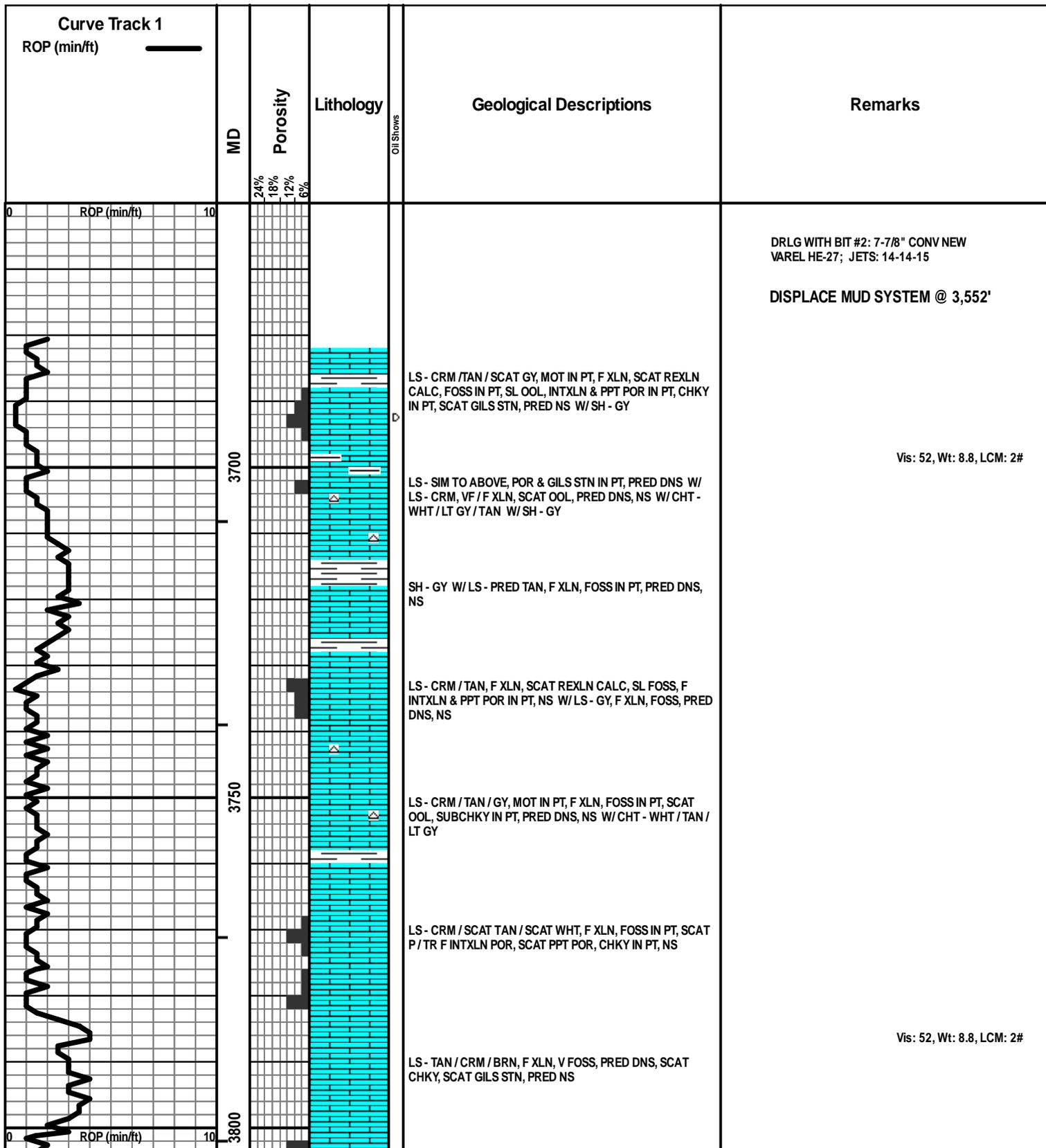
INTERVALS

- Core
- ◻ Dst

- Dst_1_t
- Dst_1_b
- Dst

EVENTS

- ▽ Rft
- ▶ Sidewall
- ▬ Conn



DRLG WITH BIT #2: 7-7/8" CONV NEW
VAREL HE-27; JETS: 14-14-15

DISPLACE MUD SYSTEM @ 3,552'

Vis: 52, Wt: 8.8, LCM: 2#

Vis: 52, Wt: 8.8, LCM: 2#

AUTO DRILLER
MALFUNCTION

LS - CRM / TAN / LT GY, MOT IN PT, F XLN, FOSS, F / G
INTXLN & INTPART POR, SCAT CHKY, TR GILS, PRED NS W/
SH - BLK, CARB

HEEBNER 3810 (-854)

LS - CRM / WHT / TAN, F XLN, REXLN CALC, OOL, SL FOSS,
TR INTXLN POR, CHKY IN PT / DNS, NS W/ SCAT CHT - WHT

LS - CRM / WHT / SCAT TAN, F XLN, OOL IN PT, SL FOSS,
SCAT P / TR F INTXLN POR, TR PPT POR, SUBCHKY / CHKY
IN PT, NS W/ CHT - WHT / LT GY

3850

LS - CRM / GY, MOT IN PT, F XLN, FOSS, PRED DNS, NS

LANSING 3853 (-897)

LS - CRM / TAN, F XLN, OOL, FOSS IN PT, F / SCAT G INTXLN
& INTOOL POR, SCAT VUG POR, NS W/ CHT - WHT / LT GY

LS - CRM / TAN / GY, VF / F XLN, PRED DNS, NS W/ CHT -
WHT / LT GY

3900

SH - GY / GRN W/LS - TAN / BRN, F XLN, PRED DNS, NS

LS - CRM / TAN, F XLN, OOL & FOSS, P / F INTXLN & INTPART
POR, SCAT GILS, PRED NS W/ CHT - WHT

Vis: 54, Wt: 8.9, LCM: 2#

LS - TAN / BRN, F XLN, SCAT OOL, PRED DNS, NS W/LS -
CRM / TAN, F XLN, SL FOSS, SUBCHKY / DNS, NS

LS - TAN / CRM / GY / SCAT BRN, SCAT MOT, F XLN, FOSS IN
PT, PRED DNS, NS W/ SCAT CHT - GY / WHT / TAN

3950

SH - GY / BLK, CARB IN PT W/LS - CRM, F XLN, SCAT
REXLN CALC, OOL & FOSS, PRED DNS, NS

LS - CRM / LT GY / TAN, F XLN, OOL IN PT, P / F INTXLN & PPT
POR, TR VUG POR, SUBCHKY IN PT, NS

LS - SIM TO ABOVE, PRED DNS, NS W/LS - CRM / TAN, F
XLN, SCAT REXLN CALC, FOSS IN PT, SCAT P INTXLN POR,
NS W/ SCAT CHT - WHT / LT GY

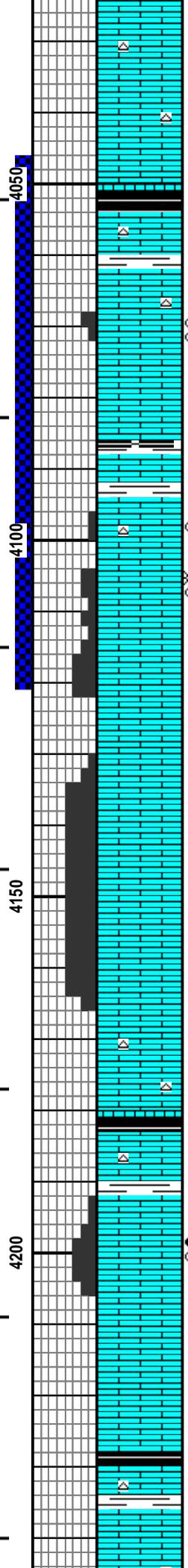
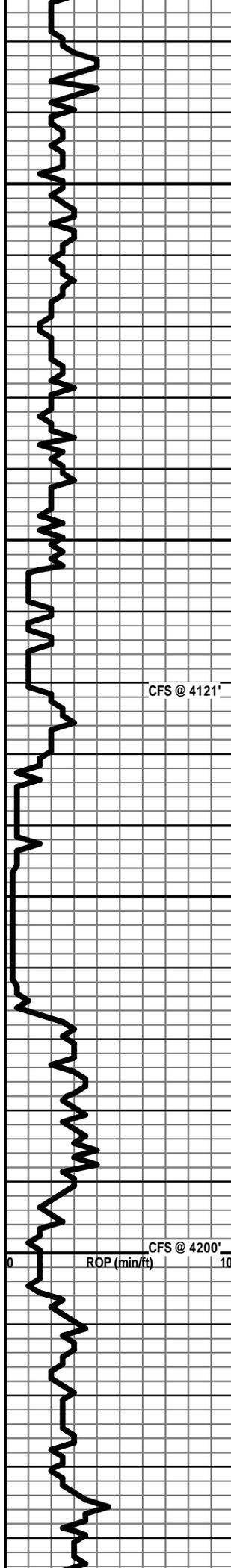
4000

LS - CRM / WHT / SCAT LT GY, SCAT MOT, F XLN, SCAT OOL,
PRED SUBCHKY / DNS, NS W/ CHT - WHT / LT GY

LS - CRM / TAN, F XLN, OOL, TR FOSS, P / F PPT & INTXLN
POR, SCAT CHKY, NS W/ CHT - LT GY / WHT

ROP (min/ft)

Vis: 43, Wt: 9.0, YP: 13,
GelS: 12/30, pH: 10.5, WL: 7.2,



LS - TAN / GY, F XLN, SCAT FOSS & OOL, PRED DNS, NS / CHT - LT GY / WHT

LS - TAN / CRM / GY, SIM TO ABOVE, PRED DNS, NS W / SH - DK GY / BLK, SCAT CARB

SH - AS ABOVE, CARB IN PT W / LS - TAN / GY, F / VF XLN, FOSS IN PT, PRED DNS, NS W / SCAT CHT - LT GY / WHT

LS - TAN / GY / CRM, PRED MOT, F XLN, OOL, PRED SUBCHKY / DNS, NS W / SCAT CHT - LT GY / WHT

LS - CRM / WHT / TAN, F XLN, OOL IN PT, SCAT P / F INTXLN & PPT POR, SSFO & GILS, MOD AMT BARR POR, FT PUNGENT ODOR, SCAT SPTY STN

LS - GY / CRM / TAN, MOT, F XLN, OOL, PRED DNS, NS W / SH - GY / BLK, CARB IN PT

LS - CRM / TAN, F XLN, OOL IN PT, TR P INTXLN POR, PRED DNS, VSSFO (CAVINGS?), PRED NS W / SH - GY / GRN W / SCAT CHT

LS - CRM / TAN, F XLN, SCAT REXLN CALC, OOL, SL FOSS, F INTOOL & INTXLN & VUG POR, SL / F SFO & ASPH, FSGB, F ODOR, SPTY / SUBSAT STN, SCAT POOM POR, BARR

LS - TAN / CRM, F XLN, OOL, F / G OOM POR, CHKY IN PT, NS

LS - TAN / GY / BRN, MOT, F XLN, OOL, SUBCHKY / CHKY IN PT, PRED DNS, NS

LS - CRM / SCAT TAN, F XLN, OOL, F / G OOM POR, SCAT CHKY, NS

LS - BRN / GY / TAN, MOT, F XLN, OOL & FOSS, PRED DNS, NS

LS - BRN / TAN / GY, AS ABOVE W / CHT - LT GY / WHT W / SCAT SH - BLK, CARB

LS - CRM / TAN, F XLN, SCAT REXLN CALC, PRED DNS, NS W / CHT - LT GY / WHT W / SH - BLK, CARB

LS - CRM / LT GY, MOT, F XLN, OOL, F / G INTPART & VUG POR, SL / F SFO, SCAT ASPH, FT ODOR, SPTY / SAT STN, SCAT BARR POR?

LS - GY / TAN / CRM, F XLN, SCAT FOSS & OOL, PRED DNS, NS

LS - AS ABOVE, NS W / SCAT LS - LT GY / CRM, OOL, INTOOL POR, SFO (BELIEVED TO BE SWOPE CAVINGS), FT ODOR W / SCAT SH - BLK, CARB

LS - CRM / LT GY, WHT / SCAT TAN, MOT IN PT, F XLN, SCAT FOSS & OOL, SCAT CHTY, SUBCHKY / DNS, NS

MUNCIE CREEK 4051 (-1095)

DST #1: 4046'-4121'
SEE DST HEADER FOR RESULTS

PRIOR TO DST #1 AT 4121': WIPER TRIP
22 STANDS: CTCH AND ADD PREMIX
MUD CHECK: VIS: 54, WT: 9.0, LCM: 1.5#

Vis: 48, Wt: 9.1, YP: 15,
GelS: 12/35, pH: 10.0, WL: 7.2,
Chl: 5,100, Sol: 5.4, LCM: 2#

STARK SHALE 4181 (-1225)

HUSHPUCKNEY 4228 (-1272)

LS - CRM / TAN / LT GY, F XLN, FOSS & OOL IN PT, SUBCHKY / CHKY IN PT, PRED DNS, NS W/ SCAT CHT - GY

LS - CRM / TAN, F XLN, SCAT FOSS & OOL, SUBCHKY IN PT, PRED DNS, NS W/ CHT - GY / WHT

LS - SIM TO ABOVE W/ LS - TAN / CRM / BRN, VF / F XLN, PRED DNS, NS W/ SCAT CHT - GY W/ SCAT SH - GY / GRN

LS - TAN / GY, MOT IN PT, F XLN, SCAT REXLN CALC, PRED DNS, NS W/ SCAT CHT - GY

LS - CRM / TAN, F XLN, OOL, P / F PPT & INTXLN POR IN PT, SCAT CHKY, NS W/ CHT - GY

LS - TAN / BRN, F XLN, SCAT OOL, PRED DNS, NS

BASE OF KC 4312 (-1356)

SLTST / VF SS - GY / SCAT RED, CALC, SCAT LS FRAG W/ SH - GY / RED / BRN

Vis: 50, Wt: 9.3, LCM: 1.5#

SLTST - GY / GRN W/ LS - TAN / SCAT GY, MOT IN PT, AREN IN PT, SCAT FOSS, DNS, NS W/ SH - GY / RED / GRN

AS ABOVE W/ LS - CRM / TAN, MOT IN PT, F / M XLN, FOSS & OOL IN PT, SCAT PYR, TR GLAUC, PRED DNS, NS

MARMATON 4340 (-1384)

LS - CRM / TAN, MOT IN PT, F / M XLN, FOSS & OOL IN PT, SCAT CHTY, PRED DNS, NS

DST #2: 4344'-4365' - MISRUN

LS - CRM / TAN, MOT, F / M XLN, OOL & FOSS, SCAT P / F INTXLN & INTPART POR, SCAT SL / F SFO, V FT ODOR, SCAT SPTY / SAT STN

DST #3: 4351'-4372'
SEE DST HEADER FOR RESULTS

KELLY SHORT

LS - CRM / TAN, MOT IN PT, F XLN, SCAT REXLN CALC, OOL, TR P INTXLN POR, PRED DNS, TR FO, NO ODOR, TR SPTY STN

PIPE STRAP @ 4365': SHORT 1.18'
Vis: 50, Wt: 9.3, YP: 16,
GelS: 14/37, pH: 10.0, WL: 8.0,
ChI: 5,600, Sol: 6.4, LCM: 2#

CFS @ 4365'

LS - CRM / TAN, MOT, F XLN, SCAT REXLN, OOL, F INTXLN / INTPART POR IN PT, TR POOM POR, TR FO, SL S DEAD OIL, NO ODOR, TR SPTY STN

CFS @ 4372'

CFS @ 4382'

CFS @ 4393'

LS - AS ABOVE W/ LS - CRM, F XLN, OOL, P / F INTPART POR, TR POOM & PPT POR, V CHKY, NS

LS - TAN / CRM / SCAT BRN, F XLN, OOL IN PT, PRED DNS, NS

LS - BRN / TAN, MOT IN PT, F XLN, FOSS IN PT, SCAT ARGIL, PRED DNS, NS SCAT SH - PRED GY, CALC/LMY IN PT W/ SCAT CHT

LS - BRN / GY / TAN, MOT IN PT, F XLN, FOSS IN PT, SCAT ARGIL, PRED DNS W/ MOD AMT SH - PRED GY W/ TR CHT

PRED SH - GY / BLK, CARB IN PT

PAWNEE 4430 (-1474)

LS - CRM / WHT, F XLN, OOL, SCAT P / TR F VUG & INTPART POR, V CHKY, SSFO, V FT ODOR, SCAT SPTY STN

Vis: 60, Wt: 9.3, LCM: 1.5#

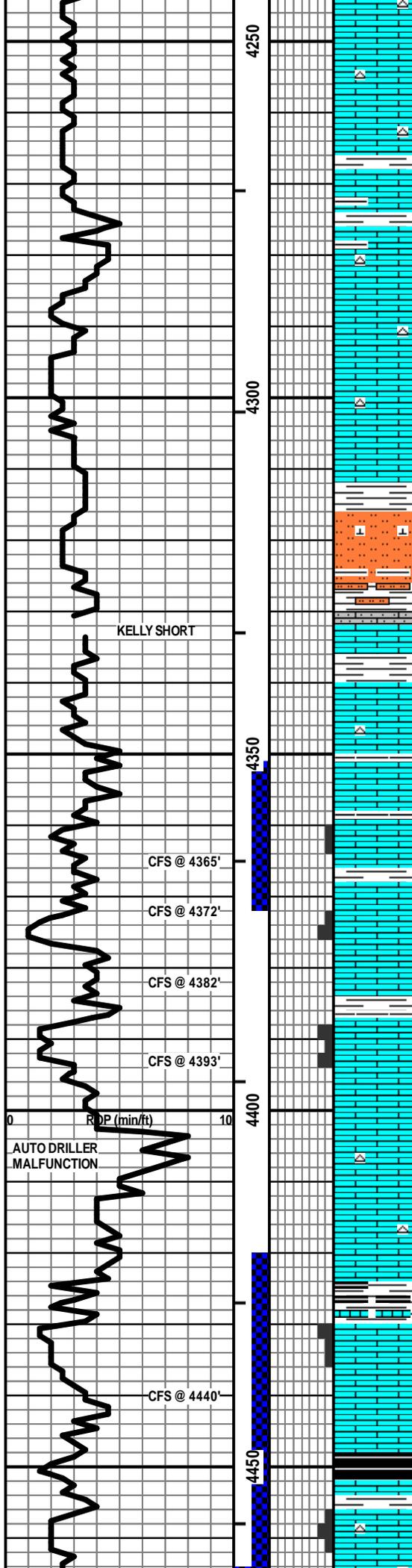
LS - BRN / TAN, MOT IN PT, F XLN, FOSS, PRED DNS, NS

SH - BLK, CARB

FT SCOTT 4452 (-1496)

LS - CRM / TAN, F XLN, OOL, FOSS IN PT, P / F INTPART / INTXLN POR, TR FOSSMOLD POR, SL / F SFO & GB, TR ASH, FT ODOR, SPTY / SAT STN W/ CHT - GY / WHT / SCAT TAN

DST #4: 4420'-4470'
SEE DST HEADER FOR RESULTS



CHEROKEE SH 4467 (-1511)

Vis: 50, Wt: 9.3, YP: 15,
GelS: 14/37, pH: 10.0, WL: 8.0,
Chl: 6,000, Sol: 6.8, LCM: 1#

DST #5: 4464'-4514'
SEE DST HEADER FOR RESULTS

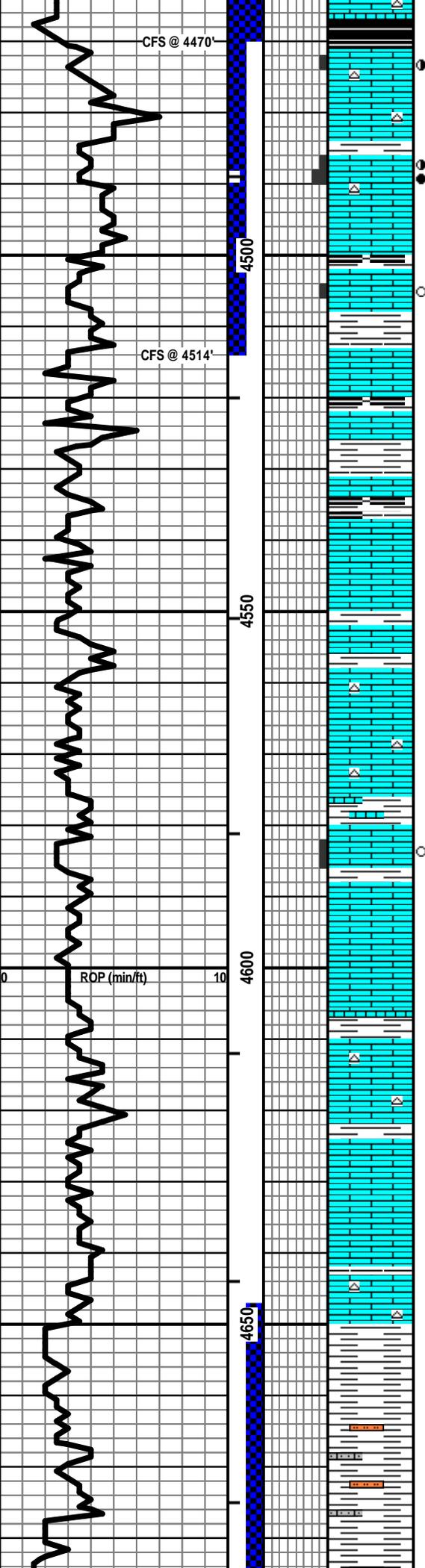
Vis: 57, Wt: 9.2, LCM: 1#

Vis: 52, Wt: 9.4, YP: 18,
GelS: 14/37, pH: 9.5, WL: 8.8,
Chl: 6,500, Sol: 7.4, LCM: 1#

JET #1 PIT & ADD PREMIX @ 4551'

Vis: 62, Wt: 9.2, LCM: 2#

MORROW SHALE 4650 (-1694)



LS - TAN / CRM / WHT, VF / F XLN, CHKY / DNS, NS W / CHT - GY / WHT W / ABNT SH - BLK, CARB

LS - CRM / GY / SCAT TAN, MOT, F XLN, OOL & FOSS, SCAT P INTPART & VUG POR, PRED DNS, SSFO, VSSGB, V FT ODOR, SCAT SPTY STN W / CHT - WHT / GY / TAN, MOT, FOSS & OOL

LS - CRM / TAN, MOT, F XLN, OOL, F / PINTPART & INTXLN & PPT POR, SL / F SFO, VSSGB, FT ODOR, SPTY / SAT STN W / CHT - AS ABOVE

LS - BRN / GY / TAN, F XLN, OOL & FOSS IN PT, PRED DNS, NS SH - GY / BLK, CARB IN PT

LS - CRM / TAN / LT GY, F / VF XLN, OOL IN PT, TR P INTPART POR, TR SPTY STN, NSFO, NO ODOR, CHKY IN PT, PRED DNS W / ABNT SH - GY / GRN

LS - TAN / GY, F XLN, SCAT REXLN CALC, SCAT OOL & FOSS, PRED DNS, NS W / SH - GY / BLK

LS - GY / TAN / BRN, F / VF XLN, OOL IN PT, PRED DNS, NS W / SH - GY / BLK

LS - TAN / BRN, F XLN, SL FOSS, PRED DNS, NS W / SCAT SH - PRED GY

LS - GY / TAN, F / VF XLN, FOSS IN PT, PRED DNS, NS W / SCAT CHT - TAN / GY / WHT W / SCAT SH - PRED GY

LS - TAN / BRN, F XLN, FOSS IN PT, DNS, NS W / CHT - AS ABOVE W / SH - PRED GY

LS - CRM / WHT, F XLN, REXLN CALC, SL FOSS, PRED P INTXLN POR, TR PPT POR, SUBCHKY IN PT, TR FO, SGB, FS OILY FILM, GILS, NO ODOR, SPTY / SAT STN

LS - TAN / CRM / SCAT GY, F XLN, SL OOL, SCAT SUBCHKY / CHKY, PRED DNS, NS

LS - TAN / BRN / GY, MOT IN PT, F XLN, SCAT FOSS & OOL, PRED DNS, NS W / CHT - GY / TAN W / SH - GY / BLK

LS - CRM / TAN, F XLN, SCAT REXLN CALC, SL FOSS, TR P INTXLN POR, PRED DNS, TR STN, NSFO, NO ODOR

LS - CRM / TAN / GY, MOT IN PT, F XLN, SCAT FOSS, PRED DNS, NS

LS - DK GY, F XLN, DNS, NS W / CHT - GY / BRN

SH - GY, CALC IN PT

SH - GY W / SCAT SLTST - LT GY W / SCAT LMY SS / AREN LS - MED GY

SH - GY W / SCAT SLTST - LT GY W / TR SS - LT GY, VF / G GR,

CHEROKEE SH 4467 (-1511)

Vis: 50, Wt: 9.3, YP: 15,
GelS: 14/37, pH: 10.0, WL: 8.0,
Chl: 6,000, Sol: 6.8, LCM: 1#

DST #5: 4464'-4514'
SEE DST HEADER FOR RESULTS

Vis: 57, Wt: 9.2, LCM: 1#

Vis: 52, Wt: 9.4, YP: 18,
GelS: 14/37, pH: 9.5, WL: 8.8,
Chl: 6,500, Sol: 7.4, LCM: 1#

JET #1 PIT & ADD PREMIX @ 4551'

Vis: 62, Wt: 9.2, LCM: 2#

MORROW SHALE 4650 (-1694)

SH - GY W/ SCAT LMY SS / AREN LS - MED GY

CHESTER SAND 4697 (-1741)

SS - CLR / LT GY, F / SCAT M GR, FW SRTD, SA / R, SIL CEM,
F / SCAT G INTGR POR, MOD FRI, F / G SFO, SPTY / SAT STN
W/ SS - WHT / LT GY, VF / F GR, W SRTD, SA / SR, SIL / CALC
CEM, P / SCAT F INTGR POR, SCAT GILS ?, OVERALL NO
ODOR

MISS. ST GEN 4709 (-1753)

LS - WHT, VF XLN, AREN, FNLY OOL, SUBCHKY / DNS, NS

Vis: 53, Wt: 9.4, YP: 19,
GelS: 14/37, pH: 9.5, WL: 8.0,
Chl: 6,700, Sol: 7.4, LCM: 1#

LS - WHT, VF XLN, AREN, FNLY OOL, SUBCHKY / DNS, NS

LS - WHT / SCAT CRM, VF XLN, AREN, FNLY OOL, SUBCHKY
/ DNS, NS W/ TR CHT - GY / ORG

MISS. ST LOUIS 4739 (-1783)

LS - CRM / WHT, F XLN, OOL, AREN IN PT, SCAT GLAUC,
CHKY / DNS, NS W/ TR CHT - GY / ORG

JET #2 PIT & ADD PREMIX @ 4738'

LS - CRM, F XLN, OOL, SCAT AREN, SUBCHKY IN PT, TR
GLAUC, PRED DNS, NS

LS - CRM / TAN, F XLN, OOL, SCAT FOSS, SCAT AREN, CHKY
/ SUBCKY IN PT, PRED DNS, NS

LS - CRM / TAN, F XLN, OOL IN PT, SCAT FOSS, SUBCHKY IN
PT, PRED DNS, NS

LS - CRM / TAN, F XLN, SCAT OOL, PRED DNS, NS W/ SCAT
CHT - LT GY

Vis: 55, Wt: 9.3, LCM: 1#

LS - CRM / WHT, F XLN, OOL, SCAT PINTOOL POR, MOD
CHKY, MOD AMT UNCONS OOL, NS W/ SCAT CHT - LT GY
W/ LS - CRM / TAN, F XLN, SCAT OOL, PRED DNS, NS

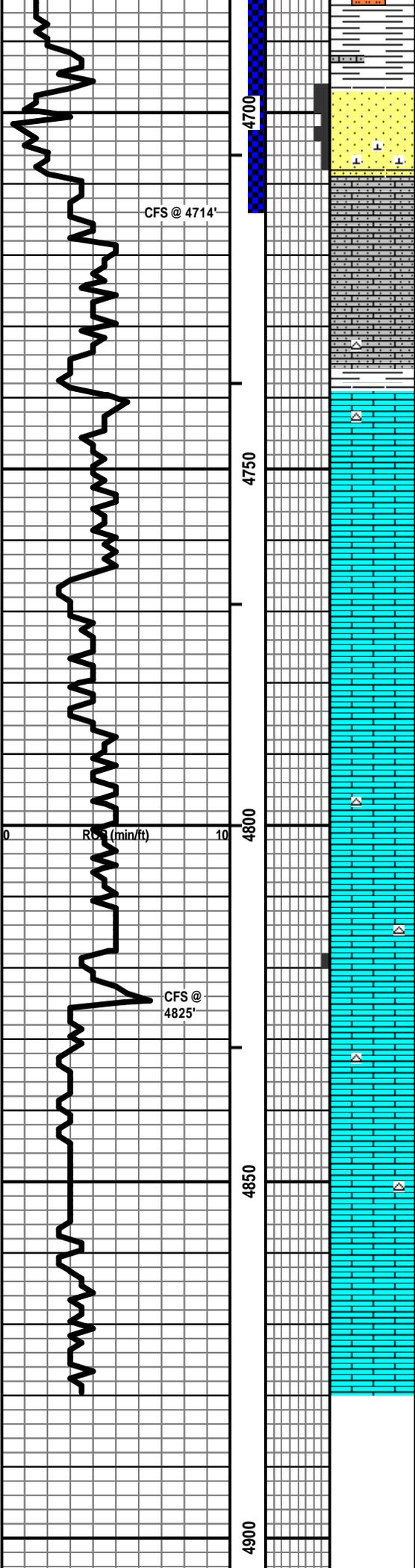
LS - CRM / TAN / WHT, F XLN, OOL IN PT, TR PINTOOL POR,
SOME UNCONS OOL, MOD CHKY / PRED DNS, NS W/ SCAT
CHT - LT GY

LS - TAN / CRM, F XLN, SCAT OOL, SUBCHKY IN PT, PRED
DNS, NS W/ SCAT CHT - LT GY

Vis: 54, Wt: 9.3, YP: 20,
GelS: 14/38, pH: 9.0, WL: 8.8,
Chl: 7,000, Sol: 6.7, LCM: 1#

LS - TAN / CRM, F XLN, SCAT OOL & FOSS, SUBCHKY IN PT,
PRED DNS, NS

TOTAL DEPTH 4880 (-1924)



CFS @ 4714'

4700

4750

4800

4850

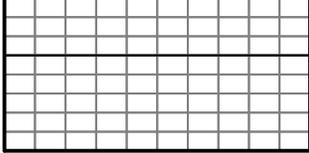
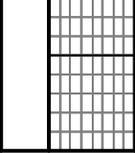
4900

RQD (min/ft)

0

10

CFS @ 4825'

				
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