

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 Recompletion Date _____ Date Reached TD _____ Completion Date or Recompletion Date _____

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Knighton Oil Company, Inc.
Well Name	HENDERSON 1-3
Doc ID	1723406

All Electric Logs Run

DIL
Micro
Sonic
CDL/CNL/PE

Form	ACO1 - Well Completion
Operator	Knighton Oil Company, Inc.
Well Name	HENDERSON 1-3
Doc ID	1723406

Tops

Name	Top	Datum
Anhydrite	907	1088
Anhydrite base	921	1074
Topeka	3198	-1203
Heebner Shale	3629	-1634
Lansing	3811	-1816
Stark	41304016	-2021
Marmaton	4130	-2135
Miss	4200	-2205
Kinderhook	4249	-2254
Viola	4308	-2313
Simpson shale	4434	-2439
Arbuckle	4504	-2509

Form	ACO1 - Well Completion
Operator	Knighton Oil Company, Inc.
Well Name	HENDERSON 1-3
Doc ID	1723406

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
1	4241	4249			600 gal 10% HCl
1	4225	4232			400 gal 10% HCl
1	4200	4221			1000 gal 10% HCl, Hybrid frac w/ 74k sand, 2537 bbl
			CIBP Cast Iron Bridge Plug	4190	
4	4008	4013			500 gal 15% HCl
4	3979	3983			500 gal 15 HCl



HURRICANE SERVICES INC

Remit To: Hurricane Services, Inc.
250 N. Water, Suite 200
Wichita, KS 67202
316-303-9515

Customer:
KNIGHTON OIL COMPANY, INC.
1700 N WATERFRONT PKWY,
BLDG #100 - SUITE A
Wichita, KS 67206

Invoice Date: 4/11/2023
Invoice #: 0367793
Lease Name: Henderson
Well #: 1-3 (New)
County: Pratt, Ks
Job Number: WP4145
District: Pratt

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Cement Pozmix 60/40	350.000	15.000	5,250.00
Calcium Chloride	903.000	0.750	677.25
Cello Flake	88.000	1.750	154.00
Light Eq Mileage	15.000	2.000	30.00
Heavy Eq Mileage	30.000	4.000	120.00
Ton Mileage	226.000	1.500	339.00
Cement Blending & Mixing	350.000	1.400	490.00
Depth Charge 0'-500'	1.000	1,000.000	1,000.00
Cement Data Acquisition	1.000	250.000	250.00
Service Supervisor	1.000	275.000	275.00

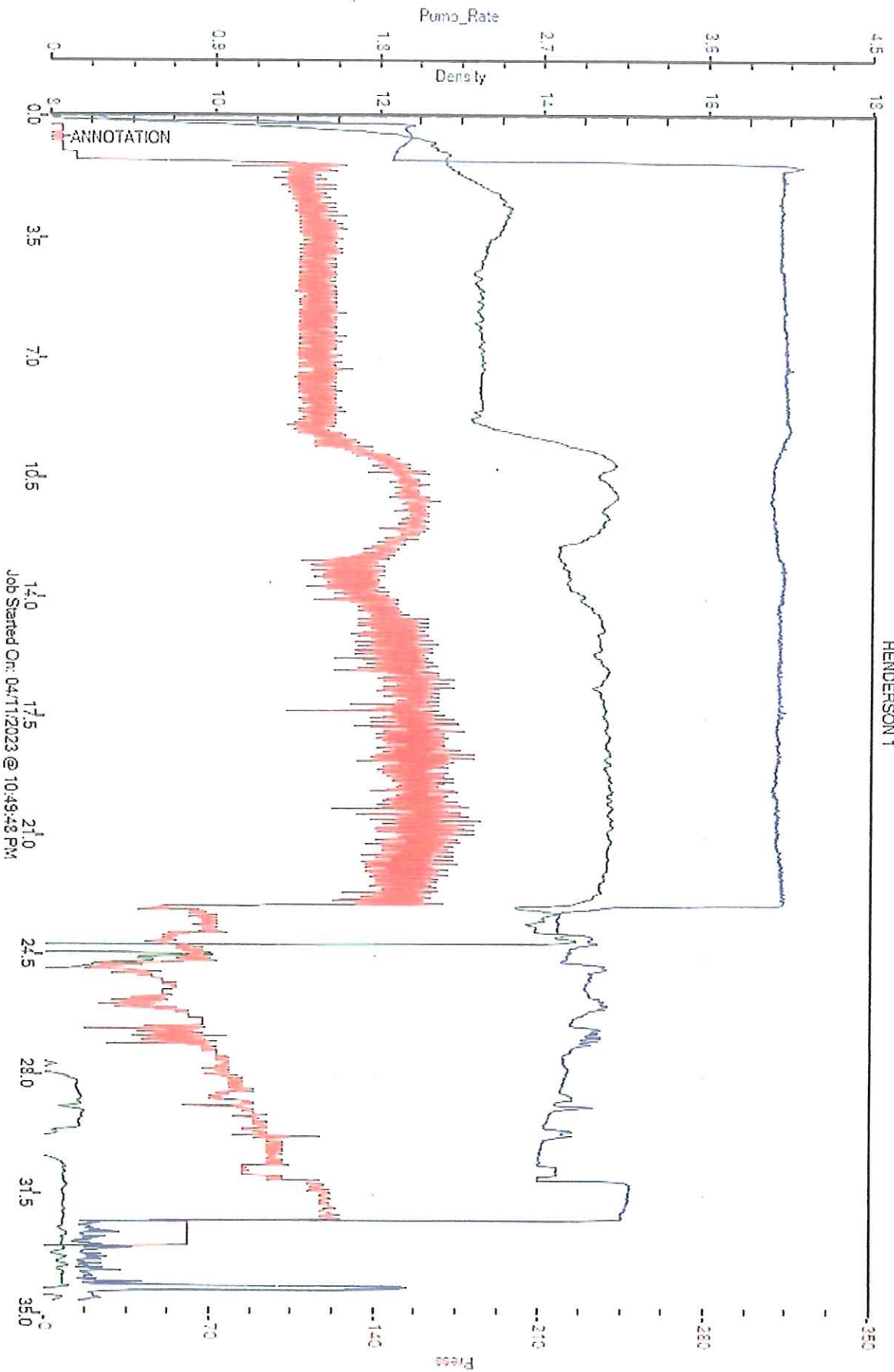
Total 8,585.25

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!

KNIGHTON
HENDERSON 1





HURRICANE SERVICES INC

Remit To: Hurricane Services, Inc.
250 N. Water, Suite 200
Wichita, KS 67202
316-303-9515

Customer:
KNIGHTON OIL COMPANY, INC.
1700 N WATERFRONT PKWY,
BLDG #100 - SUITE A
Wichita, KS 67206

Invoice Date: 4/22/2023
Invoice #: 0367997
Lease Name: Henderson
Well #: 1-3 (New)
County: Pratt, Ks
Job Number: WP4196
District: Pratt

Date/Description	HRS/QTY	Rate	Total
Longstring	0.000	0.000	0.00
H-H Long	190.000	45.000	8,550.00
H-Plug	50.000	14.000	700.00
5 1/2" Floatshoe-Flapper AFU	1.000	375.000	375.00
5 1/2" LD Plug & Baffle	1.000	350.000	350.00
Cement baskets 5 1/2"	2.000	300.000	600.00
5 1/2" Turbolizers	10.000	125.000	1,250.00
Mud flush	1,000.000	1.000	1,000.00
Light Eq Mileage	15.000	2.000	30.00
Heavy Eq Mileage	30.000	4.000	120.00
Ton Mileage	166.000	1.500	249.00
Cement Blending & Mixing	240.000	1.400	336.00
Depth Charge 4001'-5000'	1.000	2,500.000	2,500.00
Cement Data Acquisition	1.000	250.000	250.00
Cement Plug Container	1.000	250.000	250.00
Casing Swivel	1.000	300.000	300.00
Service Supervisor	1.000	275.000	275.00

Total 17,135.00

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

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WE APPRECIATE YOUR BUSINESS!



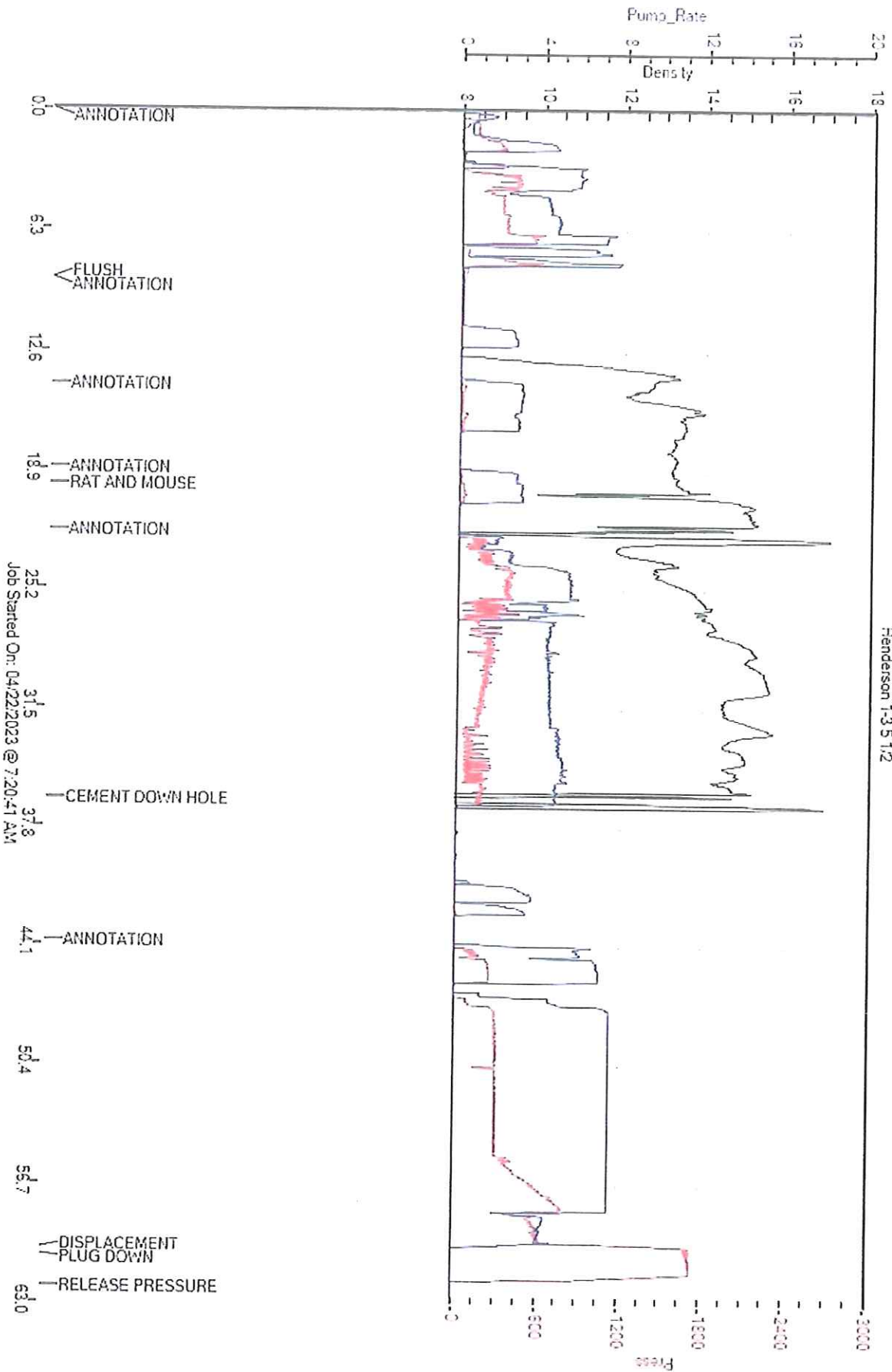
CEMENT TREATMENT REPORT					
Customer:	Knighton oil Company	Well:	Henderson 1-3	Ticket:	wp 4196
City, State:	Byers Kansas	County:	Pratt Kansas	Date:	4/22/2023
Field Rep:	Ken Werner	S-T-R:	3-26s-14w	Service:	longstring

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	7 7/8 in	Blend:	HH-Long	Blend:	H-Plug
Hole Depth:	4565 ft	Weight:	15.0 ppg	Weight:	13.7 ppg
Casing Size:	5 1/2 in	Water / Sx:	6.0 gal / sx	Water / Sx:	6.9 gal / sx
Casing Depth:	4560 ft	Yield:	1.42 ft ³ / sx	Yield:	1.43 ft ³ / sx
Tubing / Liner:	in	Annular Bbls / Ft.:	bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
Depth:	ft	Depth:	ft	Depth:	ft
Tool / Packer:		Annular Volume:	0.0 bbls	Annular Volume:	0 bbls
Tool Depth:	ft	Excess:		Excess:	
Displacement:	108.0 bbls	Total Slurry:	48.0 bbls	Total Slurry:	12.7 bbls
		Total Sacks:	190 sx	Total Sacks:	50 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
12:30 AM			-	-	on location job and safety
12:40 AM			-	-	spot trucks and rig up
			-	-	baskets 2 & 14
			-	-	turbolizers 3,7,9,11,16,18,20,22,24,26
			-	-	
2:50 AM			-	-	start casing in the hole
6:15 AM			-	-	casing on bottom and circulate
7:25 AM			-	-	start flush
	6.0	600.0	23.0	23.0	mud flush
	6.0	600.0	3.0	26.0	fresh water
7:40 AM					flush in
7:42 AM	2.0	-	12.7		plug rat hole 30 sacks mouse hole 20 sacks
7:50 AM					start cement down hole
	4.0	250.0	48.0		mix 190 sacks cement
8:05 AM					cement in and shut down
					wash pump and lines and release the plug
8:10 AM					start displacement
	7.0	300.0	20.0		
	7.0	300.0	40.0		
	7.0	300.0	60.0		
	7.0	370.0	80.0		
	5.0	650.0	90.0		
	4.0	550.0	100.0		
8:30 AM	4.0	750.0	108.0		plug down
					took pressure from 700 to 1450, float and plug did hold

CREW		UNIT	SUMMARY		
Cementer:	M Brungardt	916	Average Rate	Average Pressure	Total Fluid
Pump Operator:	R Osborn	176/522	5.4 bpm	425 psi	585 bbls
Bulk #1:	Jose	182/534			
Bulk #2:					

Knighton Oil
Henderson 1-3 5 1/2





DRILL STEM TEST REPORT

Prepared For: **Knighton Oil Company Inc**

1700 N Waterfront PKWY
Bldg 100 Suite A
Wichita, KS. 67206

ATTN: Blake Miller

Henderson #1-3

3-26s-14w Pratt,KS

Start Date: 2023.04.16 @ 22:35:12

End Date: 2023.04.17 @ 07:57:27

Job Ticket #: 70608 DST #: 1

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

Printed: 2023.04.21 @ 15:46:22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Knighton Oil Company Inc
1700 N Waterfront PKWY
Bldg 100 Suite A
Wichita, KS. 67206
ATTN: Blake Miller

3-26s-14w Pratt,KS

Henderson #1-3

Job Ticket: 70608

DST#: 1

Test Start: 2023.04.16 @ 22:35:12

GENERAL INFORMATION:

Formation: **Lansing F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:33:27

Time Test Ended: 07:57:27

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 68

Interval: 3875.00 ft (KB) To 3900.00 ft (KB) (TVD)

Total Depth: 3900.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1997.00 ft (KB)

1987.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8788 Inside

Press@RunDepth: 150.62 psig @ 3876.00 ft (KB)

Start Date: 2023.04.16

End Date: 2023.04.17

Start Time: 22:35:17

End Time: 07:57:27

Capacity: 8000.00 psig

Last Calib.: 2023.04.17

Time On Btm: 2023.04.17 @ 01:32:27

Time Off Btm: 2023.04.17 @ 05:19:57

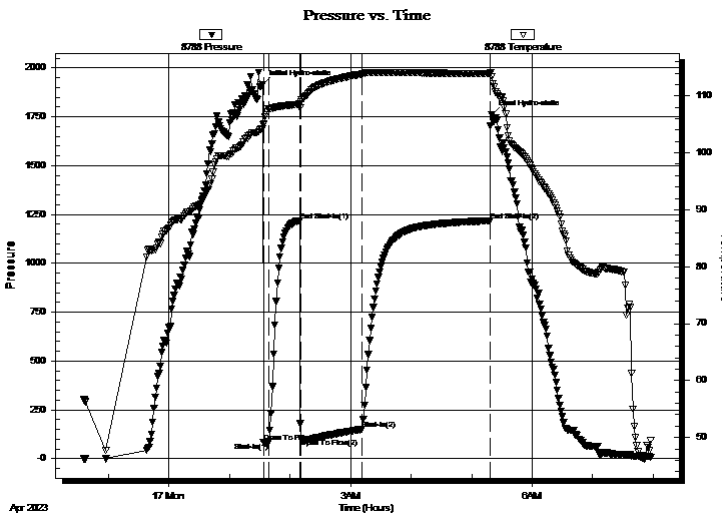
TEST COMMENT: IF: Strong Blow . B.O.B. in 2 1/4 mins. Built to 21". (5)

IS: Weak Blow . Built to 1.62". (30)

FF: Strong Blow . B.O.B. in 1 1/2". (60)

FS: Weak Blow . Built to 1.36".

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1913.80	104.20	Initial Hydro-static
1	84.76	104.94	Open To Flow (1)
6	83.57	107.69	Shut-In(1)
38	1218.66	108.56	End Shut-In(1)
39	104.42	109.03	Open To Flow (2)
99	150.62	113.82	Shut-In(2)
226	1217.65	113.89	End Shut-In(2)
228	1762.12	113.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GHOWCM 2%g 15%o 35%w 48%m	0.91
126.00	GHOWCM 10%g 35%o 15%w 40%m	1.77
94.00	GMCHO 10%g 15%m 75%o	1.32
0.00	1543' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Knighton Oil Company Inc

3-26s-14w Pratt,KS

1700 N Waterfront PKWY
Bldg 100 Suite A
Wichita, KS. 67206
ATTN: Blake Miller

Henderson #1-3

Job Ticket: 70608

DST#: 1

Test Start: 2023.04.16 @ 22:35:12

Tool Information

Drill Pipe:	Length: 3729.00 ft	Diameter: 3.80 inches	Volume: 52.31 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.80 inches	Volume: 0.91 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 53.22 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	3875.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 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			3845.00	
Shut In Tool	5.00			3850.00	
Hydraulic tool	5.00			3855.00	
Jars	5.00			3860.00	
EMT	3.00			3863.00	
Safety Joint	3.00			3866.00	
Packer	5.00			3871.00	31.00 Bottom Of Top Packer
Packer	4.00			3875.00	
Stubb	1.00			3876.00	
Recorder	0.00	8788	Inside	3876.00	
Recorder	0.00	8931	Outside	3876.00	
Perforations	21.00			3897.00	
Bullnose	3.00			3900.00	25.00 Bottom Packers & Anchor

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Knighthon Oil Company Inc

3-26s-14w Pratt,KS

1700 N Waterfront PKWY
Bldg 100 Suite A
Wichita, KS. 67206
ATTN: Blake Miller

Henderson #1-3

Job Ticket: 70608

DST#: 1

Test Start: 2023.04.16 @ 22:35:12

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 60.00 sec/qt
Water Loss: 10.35 in³
Resistivity: ohm.m
Salinity: 12000.00 ppm
Filter Cake: 0.20 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 36000 ppm

Recovery Information

Recovery Table

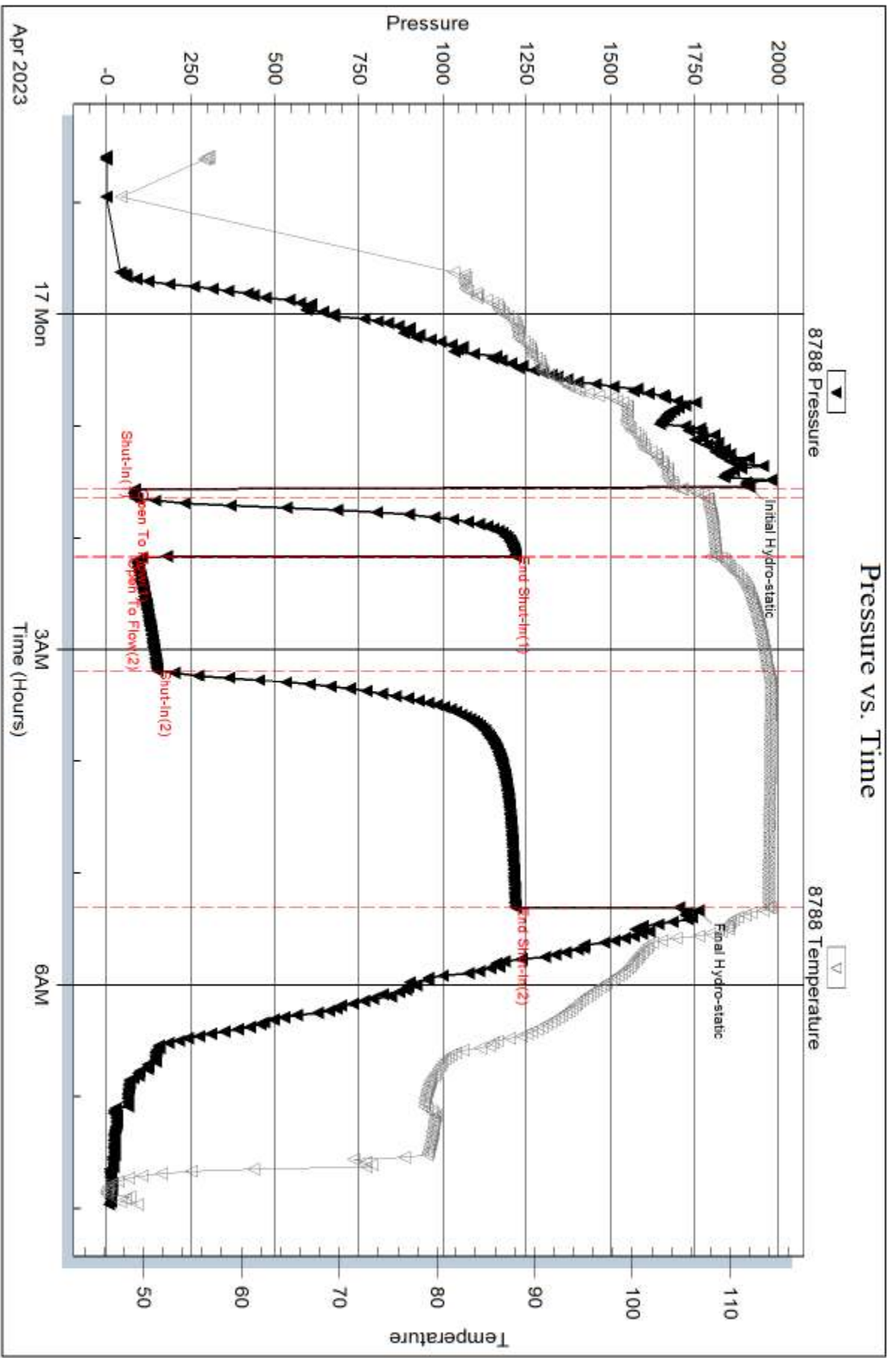
Length ft	Description	Volume bbl
120.00	GHOWCM 2%g 15%o 35%w 48%m	0.914
126.00	GHOWCM 10%g 35%o 15%w 40%m	1.767
94.00	GMCHO 10%g 15%m 75%o	1.319
0.00	1543' GIP	0.000

Total Length: 340.00 ft Total Volume: 4.000 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: None

Laboratory Name: Laboratory Location:

Recovery Comments: 1,543 Feet of Gas in Pipe.
RW is .35 @ 42 Degrees = 36,000 Chlorides.

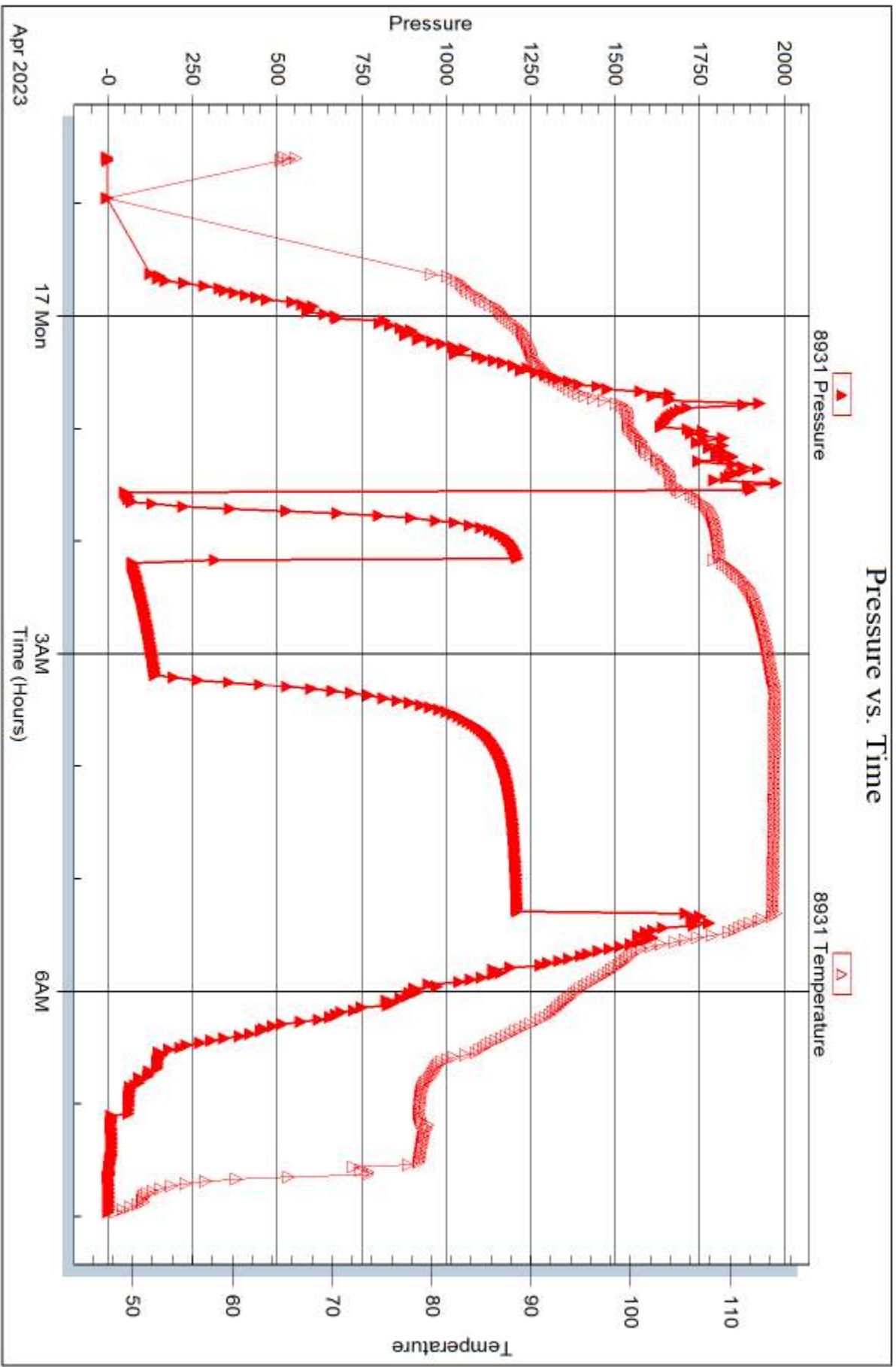


Serial #: 8931

Outside Knighton Oil Company Inc

Henderson #1-3

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Knighthon Oil Company Inc**

1700 N Waterfront PKWY
Bldg 100 Suite A
Wichita, KS. 67206

ATTN: Blake Miller

Henderson #1-3

3-26s-14w Pratt,KS

Start Date: 2023.04.17 @ 18:20:43

End Date: 2023.04.18 @ 04:09:58

Job Ticket #: 70609 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.04.21 @ 15:42:54



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Knighton Oil Company Inc

3-26s-14w Pratt,KS

1700 N Waterfront PKWY
Bldg 100 Suite A
Wichita, KS. 67206
ATTN: Blake Miller

Henderson #1-3

Job Ticket: 70609

DST#: 2

Test Start: 2023.04.17 @ 18:20:43

GENERAL INFORMATION:

Formation: **Lansing H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:17:13

Time Test Ended: 04:09:58

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 68

Interval: 3937.00 ft (KB) To 3960.00 ft (KB) (TVD)

Reference Elevations: 1997.00 ft (KB)

Total Depth: 3960.00 ft (KB) (TVD)

1987.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8788 Inside

Press@RunDepth: 52.91 psig @ 3938.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.04.17 End Date: 2023.04.18

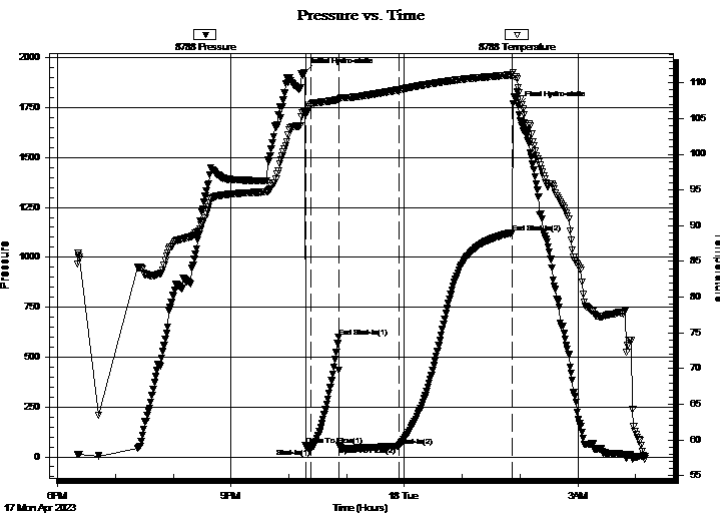
Last Calib.: 2023.04.18

Start Time: 18:20:48 End Time: 04:09:58

Time On Btm: 2023.04.17 @ 22:16:43

Time Off Btm: 2023.04.18 @ 01:57:58

TEST COMMENT: IF: Weak Blow . Built to 2.67". Slid 4'. (5)
IS: No Blow . (30)
FF: Fair-Strong Blow . Built to 9.64". (60)
FS: No Blow . (120)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1924.20	106.05	Initial Hydro-static
1	57.38	105.66	Open To Flow (1)
7	43.29	106.89	Shut-In(1)
35	600.12	107.62	End Shut-In(1)
36	54.73	107.65	Open To Flow (2)
98	52.91	109.01	Shut-In(2)
216	1123.27	111.11	End Shut-In(2)
222	1760.49	109.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GHOCM10%g 30%o 60%m	0.46
2.00	O spec M 100%m	0.02
0.00	341' GIP 100%g	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

Knighton Oil Company Inc

3-26s-14w Pratt,KS

1700 N Waterfront PKWY
Bldg 100 Suite A
Wichita, KS. 67206
ATTN: Blake Miller

Henderson #1-3

Job Ticket: 70609

DST#: 2

Test Start: 2023.04.17 @ 18:20:43

Tool Information

Drill Pipe:	Length: 3792.00 ft	Diameter: 3.80 inches	Volume: 53.19 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.80 inches	Volume: 0.91 bbl	Weight to Pull Loose: 74000.00 lb
		Total Volume: 54.10 bbl		Tool Chased 4.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	3937.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Slid 4 Feet.

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3907.00	
Shut In Tool	5.00			3912.00	
Hydraulic tool	5.00			3917.00	
Jars	5.00			3922.00	
EMT	3.00			3925.00	
Safety Joint	3.00			3928.00	
Packer	5.00			3933.00	31.00 Bottom Of Top Packer
Packer	4.00			3937.00	
Stubb	1.00			3938.00	
Recorder	0.00	8788	Inside	3938.00	
Recorder	0.00	8931	Outside	3938.00	
Perforations	19.00			3957.00	
Bullnose	3.00			3960.00	23.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Knighton Oil Company Inc

3-26s-14w Pratt,KS

1700 N Waterfront PKWY
Bldg 100 Suite A
Wichita, KS. 67206
ATTN: Blake Miller

Henderson #1-3

Job Ticket: 70609

DST#: 2

Test Start: 2023.04.17 @ 18:20:43

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 62.00 sec/qt
Water Loss: 13.96 in³
Resistivity: ohm.m
Salinity: 15000.00 ppm
Filter Cake: 0.20 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 15000 ppm

Recovery Information

Recovery Table

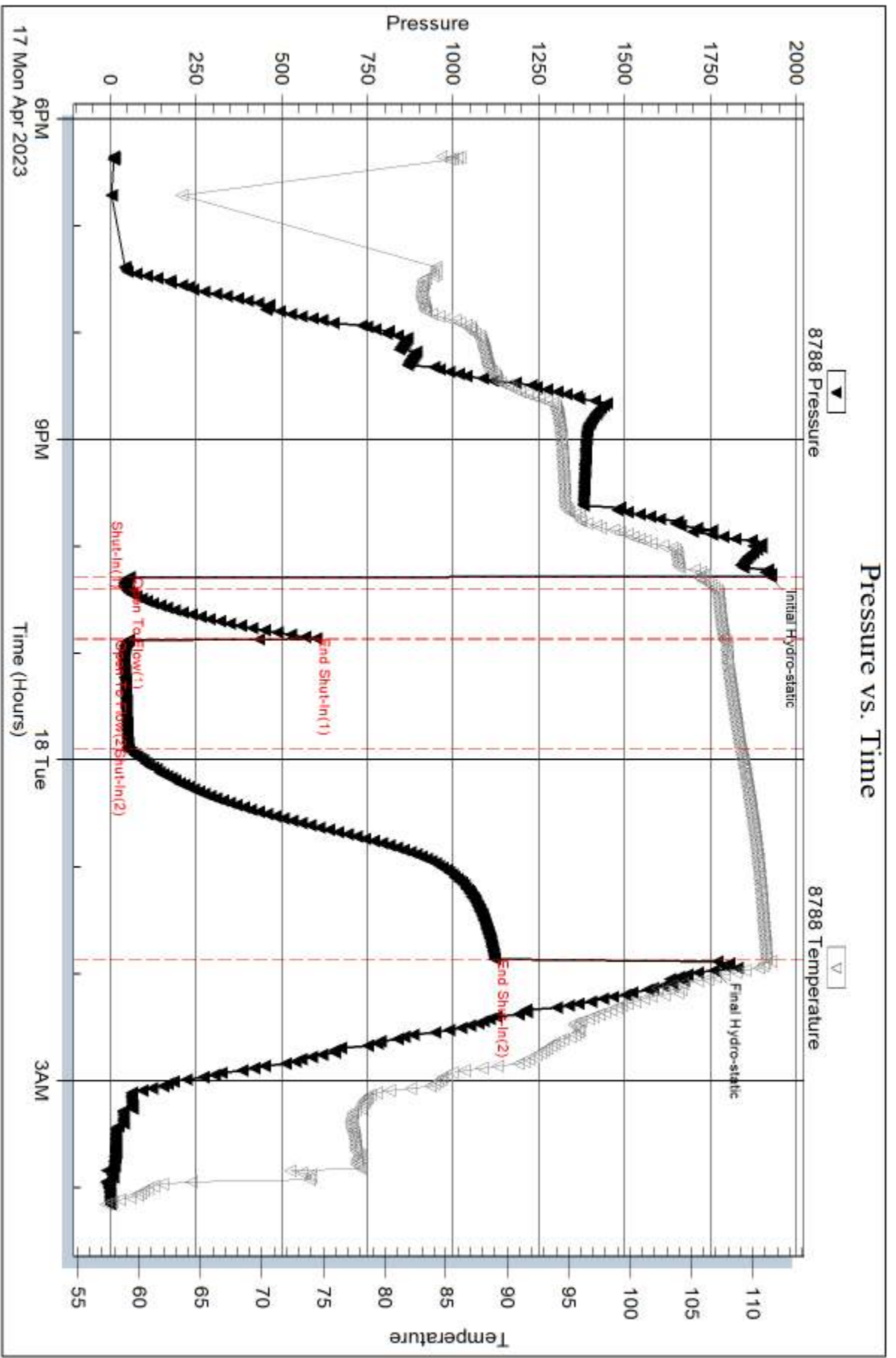
Length ft	Description	Volume bbl
60.00	GHOCM10%g 30%o 60%m	0.457
2.00	O spec M 100%m	0.015
0.00	341' GIP 100%g	0.000

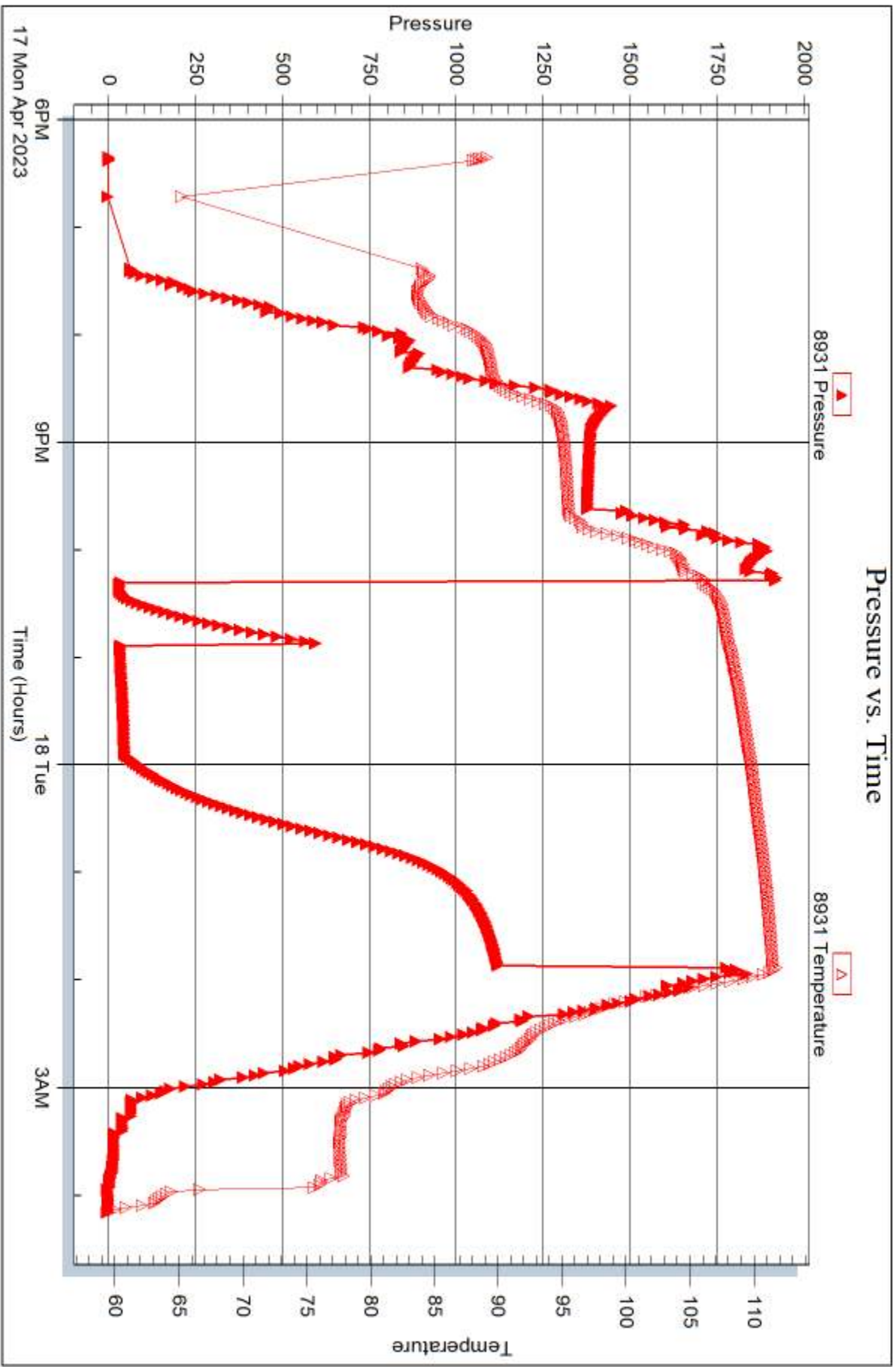
Total Length: 62.00 ft Total Volume: 0.472 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: None

Laboratory Name: Laboratory Location:

Recovery Comments: 341 Feet of Gas in Pipe.







DRILL STEM TEST REPORT

Prepared For: **Knighton Oil Company Inc**

1700 N Waterfront PKWY
Bldg 100 Suite A
Wichita, KS. 67206

ATTN: Blake Miller

Henderson #1-3

3-26s-14w Pratt,KS

Start Date: 2023.04.18 @ 13:42:39

End Date: 2023.04.19 @ 00:29:49

Job Ticket #: 70610 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.04.21 @ 15:40:26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Knighton Oil Company Inc

3-26s-14w Pratt,KS

1700 N Waterfront PKWY
Bldg 100 Suite A
Wichita, KS. 67206
ATTN: Blake Miller

Henderson #1-3

Job Ticket: 70610

DST#: 3

Test Start: 2023.04.18 @ 13:42:39

GENERAL INFORMATION:

Formation: **Lansing H&I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:42:34

Time Test Ended: 00:29:49

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 68

Interval: 3955.00 ft (KB) To 3975.00 ft (KB) (TVD)

Reference Elevations: 1997.00 ft (KB)

Total Depth: 3975.00 ft (KB) (TVD)

1987.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8788 Inside

Press@RunDepth: 82.41 psig @ 3956.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.04.18

End Date: 2023.04.19

Last Calib.: 2023.04.19

Start Time: 13:42:39

End Time: 00:29:49

Time On Btm: 2023.04.18 @ 17:39:19

Time Off Btm: 2023.04.18 @ 21:26:49

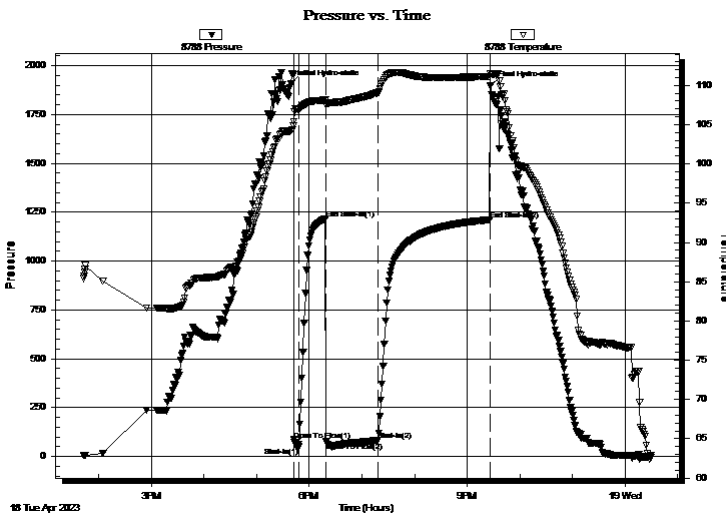
TEST COMMENT: IF: Strong Blow . B.O.B. in 1 min 15 sec. Built to 57.70". (5)

IS: No Blow . (30)

FF: Strong Blow . B.O.B., immediate. Built to 213.02". G.T.S. in 44 mins. (60)

FS: Weak Blow . Built to 2.94". Died. (120)

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1905.66	104.23	Initial Hydro-static
4	85.06	105.41	Open To Flow (1)
9	48.79	106.95	Shut-In(1)
40	1215.19	108.14	End Shut-In(1)
40	74.46	107.56	Open To Flow (2)
100	82.41	109.08	Shut-In(2)
227	1211.68	111.17	End Shut-In(2)
228	1897.48	111.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCM 20%g 65%o 15%m	0.91
63.00	GO 15%g 85%o	0.88
15.00	CO 100%0	0.21

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	6.08	7.67
Last Gas Rate	0.13	5.89	7.59
Max. Gas Rate	0.13	6.08	7.67

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Knighton Oil Company Inc

3-26s-14w Pratt,KS

1700 N Waterfront PKWY
Bldg 100 Suite A
Wichita, KS. 67206
ATTN: Blake Miller

Henderson #1-3

Job Ticket: 70610

DST#: 3

Test Start: 2023.04.18 @ 13:42:39

Tool Information

Drill Pipe:	Length: 3823.00 ft	Diameter: 3.80 inches	Volume: 53.63 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.80 inches	Volume: 0.91 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 54.54 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	3955.00 ft			Final	69000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	51.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments: About 5 FT of Fill.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3925.00	
Shut In Tool	5.00			3930.00	
Hydraulic tool	5.00			3935.00	
Jars	5.00			3940.00	
EMT	3.00			3943.00	
Safety Joint	3.00			3946.00	
Packer	5.00			3951.00	31.00 Bottom Of Top Packer
Packer	4.00			3955.00	
Stubb	1.00			3956.00	
Recorder	0.00	8788	Inside	3956.00	
Recorder	0.00	8931	Outside	3956.00	
Perforations	16.00			3972.00	
Bullnose	3.00			3975.00	20.00 Bottom Packers & Anchor

Total Tool Length: 51.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Knighthon Oil Company Inc

3-26s-14w Pratt,KS

1700 N Waterfront PKWY
Bldg 100 Suite A
Wichita, KS. 67206
ATTN: Blake Miller

Henderson #1-3

Job Ticket: 70610

DST#: 3

Test Start: 2023.04.18 @ 13:42:39

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 9.76 in³

Resistivity: ohm.m

Salinity: 8700.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 8700 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GOCM 20%g 65%o 15%m	0.914
63.00	GO 15%g 85%o	0.884
15.00	CO 100%0	0.210

Total Length: 198.00 ft Total Volume: 2.008 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

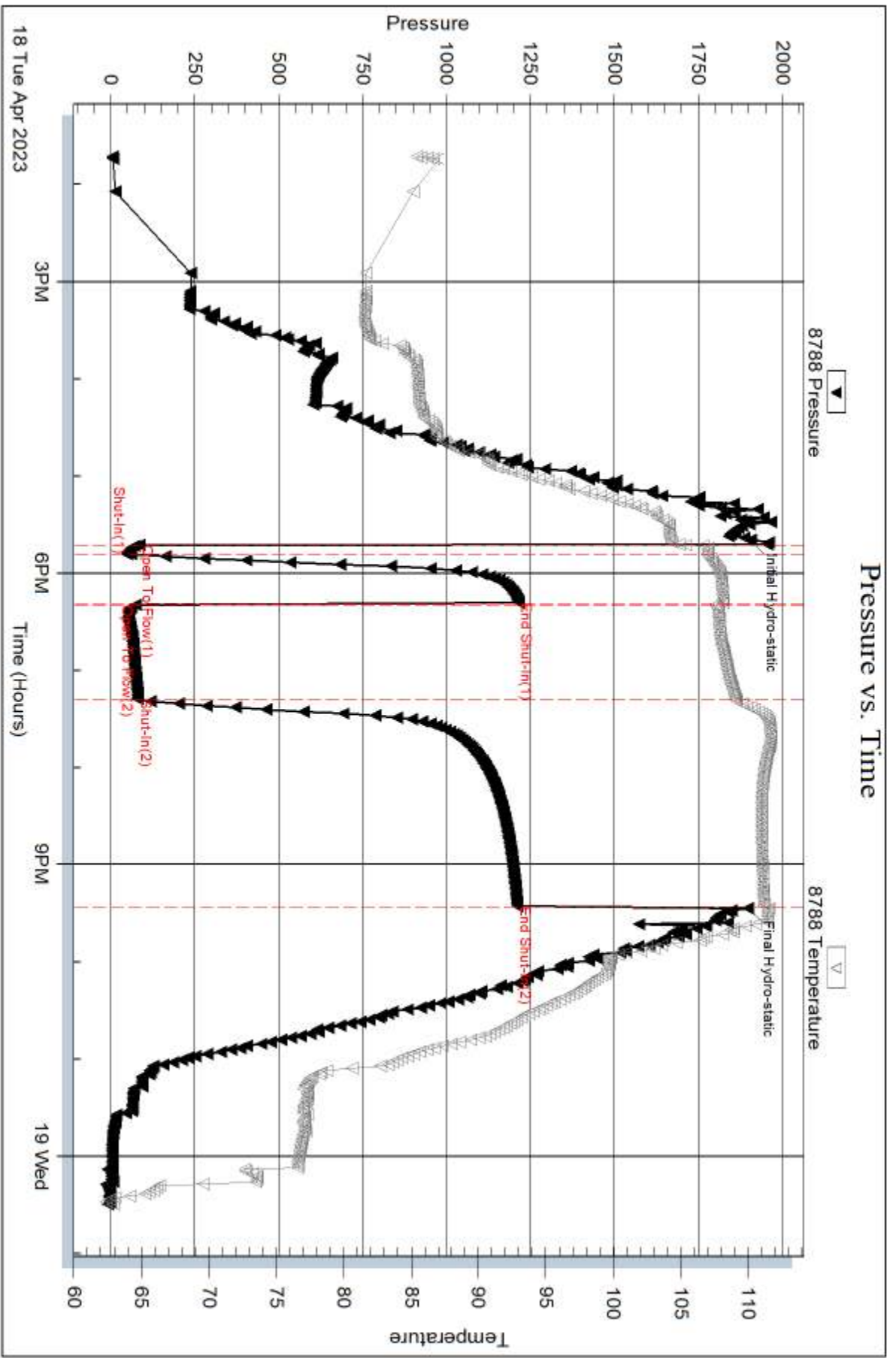
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gas to Surface.

Gravity was 32 @ 70 Degrees, = 31@60.

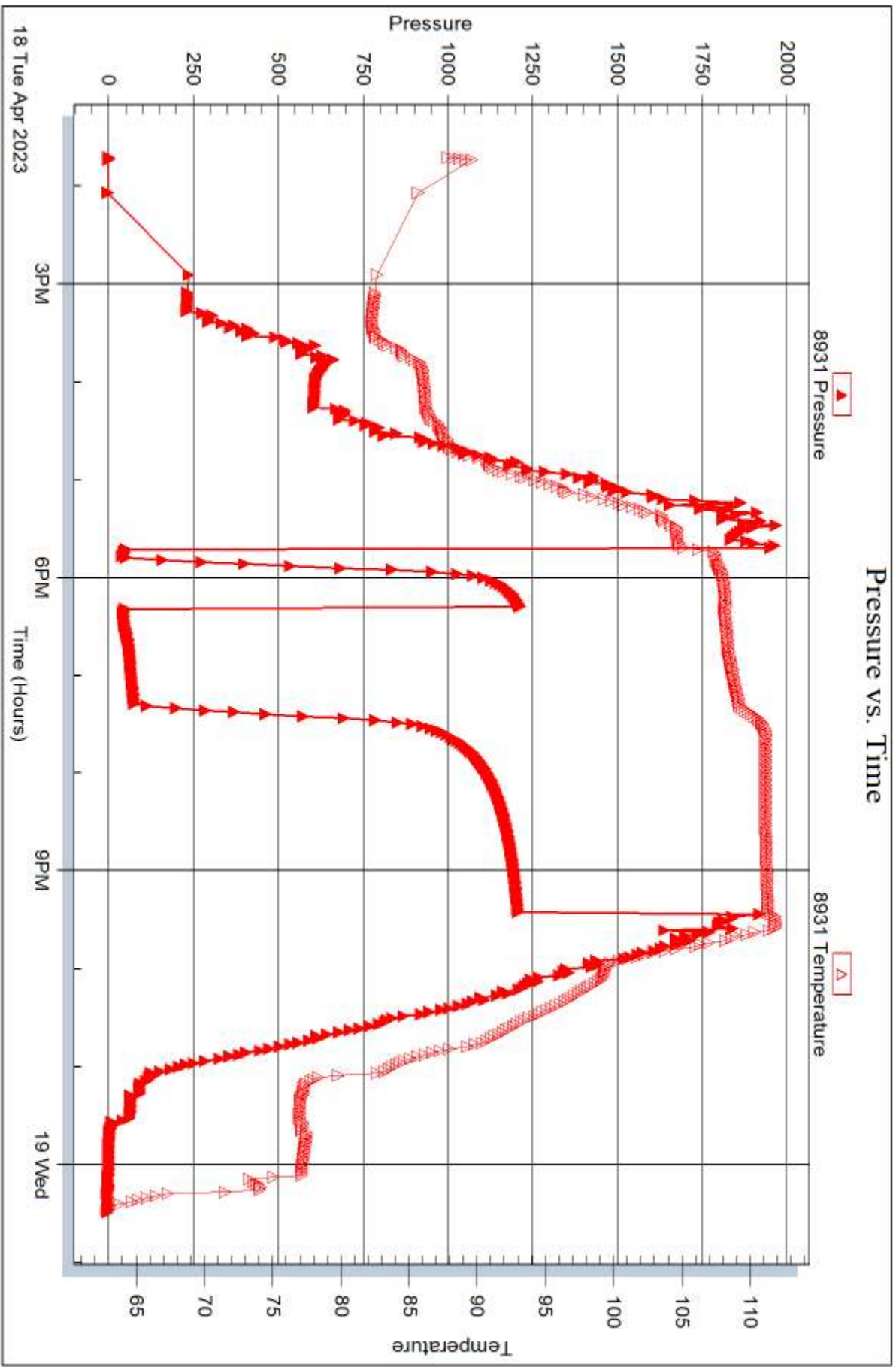


Serial #: 8931

Outside Knighton Oil Company Inc

Henderson #1-3

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 70610

Printed: 2023.04.21 @ 15:40:26



DRILL STEM TEST REPORT

Prepared For: **Knighthon Oil Company Inc**

1700 N Waterfront PKWY
Bldg 100 Suite A
Wichita, KS. 67206

ATTN: Blake Miller

Henderson #1-3

3-26s-14w Pratt,KS

Start Date: 2023.04.20 @ 01:42:13

End Date: 2023.04.20 @ 11:54:43

Job Ticket #: 70611 DST #: 4

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

Printed: 2023.04.21 @ 15:28:20



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Knighton Oil Company Inc
 1700 N Waterfront PKWY
 Bldg 100 Suite A
 Wichita, KS. 67206
 ATTN: Blake Miller

3-26s-14w Pratt,KS

Henderson #1-3

Job Ticket: 70611

DST#: 4

Test Start: 2023.04.20 @ 01:42:13

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:38:58

Time Test Ended: 11:54:43

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 68

Interval: 4168.00 ft (KB) To 4221.00 ft (KB) (TVD)

Reference Elevations: 1997.00 ft (KB)

Total Depth: 4221.00 ft (KB) (TVD)

1987.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8788

Inside

Press@RunDepth: 50.90 psig @ 4169.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.04.20 End Date: 2023.04.20

Last Calib.: 2023.04.20

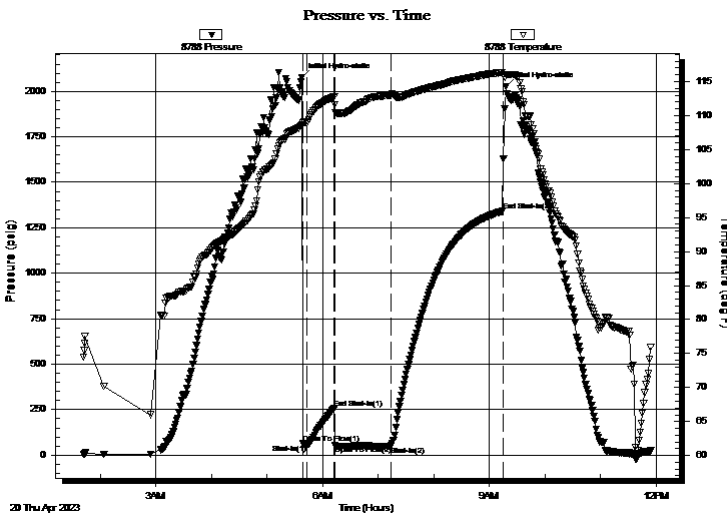
Start Time: 01:42:18 End Time: 11:54:43

Time On Btm: 2023.04.20 @ 05:37:43

Time Off Btm: 2023.04.20 @ 09:17:43

TEST COMMENT: IF: Strong Blow . B.O.B. in 1 min. Built to 22.34". (5)
 IS: No Blow . (30)
 FF: Strong Blow . B.O.B., Immediate. Built to 77.07". (60)
 FS: No Blow . (120)

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2076.68	108.61	Initial Hydro-static
2	65.62	108.93	Open To Flow (1)
6	57.08	108.91	Shut-In(1)
35	259.65	112.81	End Shut-In(1)
36	51.37	111.64	Open To Flow (2)
97	50.90	113.04	Shut-In(2)
217	1340.68	116.35	End Shut-In(2)
220	2025.05	116.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	GO spec M 2%g 98%m	0.53
0.00	869' 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

Knighton Oil Company Inc

3-26s-14w Pratt,KS

1700 N Waterfront PKWY
Bldg 100 Suite A
Wichita, KS. 67206
ATTN: Blake Miller

Henderson #1-3

Job Ticket: 70611

DST#: 4

Test Start: 2023.04.20 @ 01:42:13

Tool Information

Drill Pipe:	Length: 4045.00 ft	Diameter: 3.80 inches	Volume: 56.74 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.80 inches	Volume: 0.91 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 57.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4168.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	84.00 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			4138.00	
Shut In Tool	5.00			4143.00	
Hydraulic tool	5.00			4148.00	
Jars	5.00			4153.00	
EMT	3.00			4156.00	
Safety Joint	3.00			4159.00	
Packer	5.00			4164.00	31.00 Bottom Of Top Packer
Packer	4.00			4168.00	
Stubb	1.00			4169.00	
Recorder	0.00	8788	Inside	4169.00	
Recorder	0.00	8931	Outside	4169.00	
Perforations	1.00			4170.00	
Change Over Sub	1.00			4171.00	
Blank Spacing	31.00			4202.00	
Change Over Sub	1.00			4203.00	
Perforations	15.00			4218.00	
Bullnose	3.00			4221.00	53.00 Bottom Packers & Anchor
Total Tool Length:	84.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Knighthon Oil Company Inc

3-26s-14w Pratt,KS

1700 N Waterfront PKWY
Bldg 100 Suite A
Wichita, KS. 67206
ATTN: Blake Miller

Henderson #1-3

Job Ticket: 70611

DST#: 4

Test Start: 2023.04.20 @ 01:42:13

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 70.00 sec/qt
Water Loss: 14.58 in³
Resistivity: ohm.m
Salinity: 12500.00 ppm
Filter Cake: 0.20 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 12500 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	GO spec M2%g 98%m	0.533
0.00	869' GIP	0.000

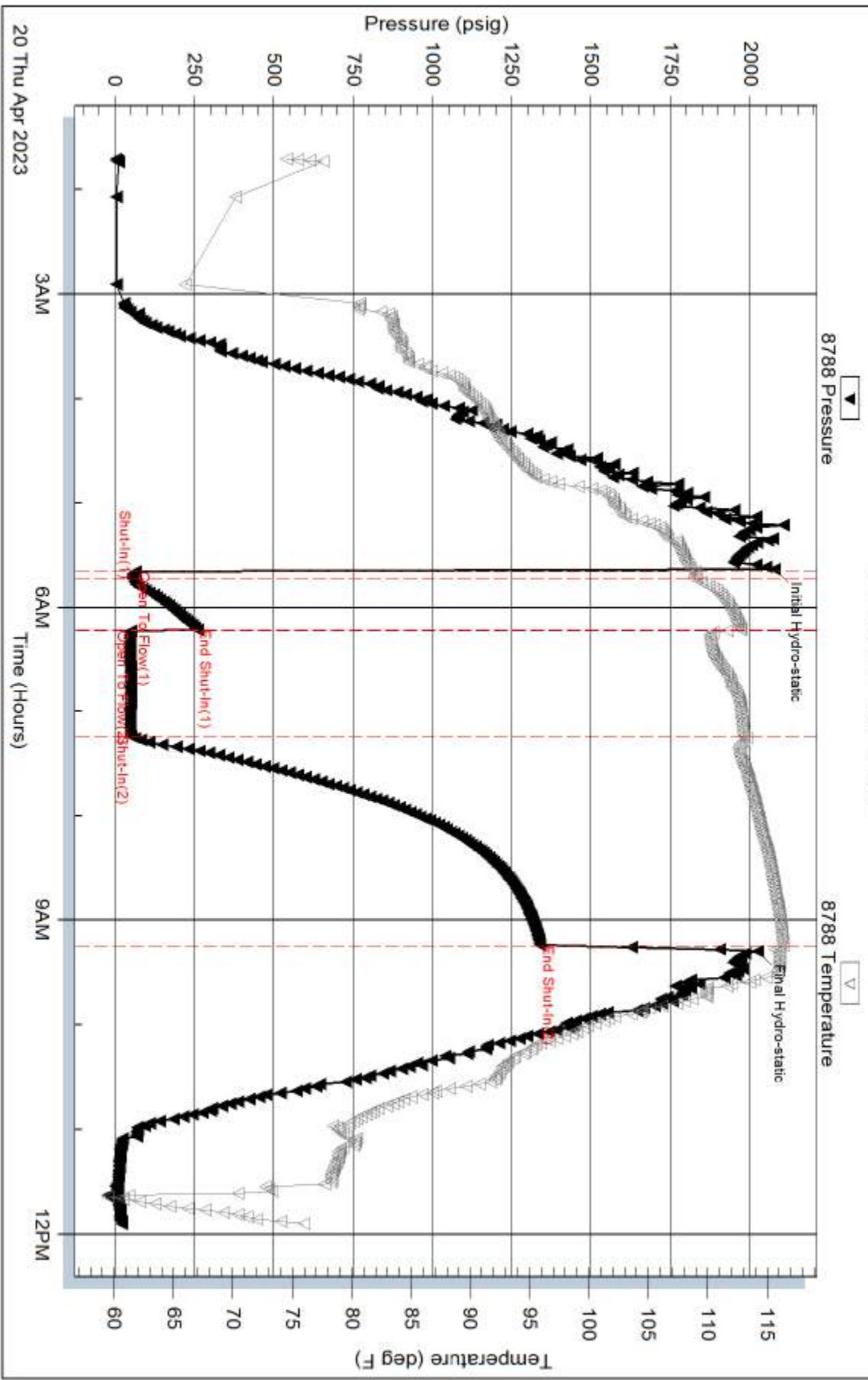
Total Length: 70.00 ft Total Volume: 0.533 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: None

Laboratory Name: Laboratory Location:

Recovery Comments: 869 Feet of Gas in Pipe.

Pressure vs. Time

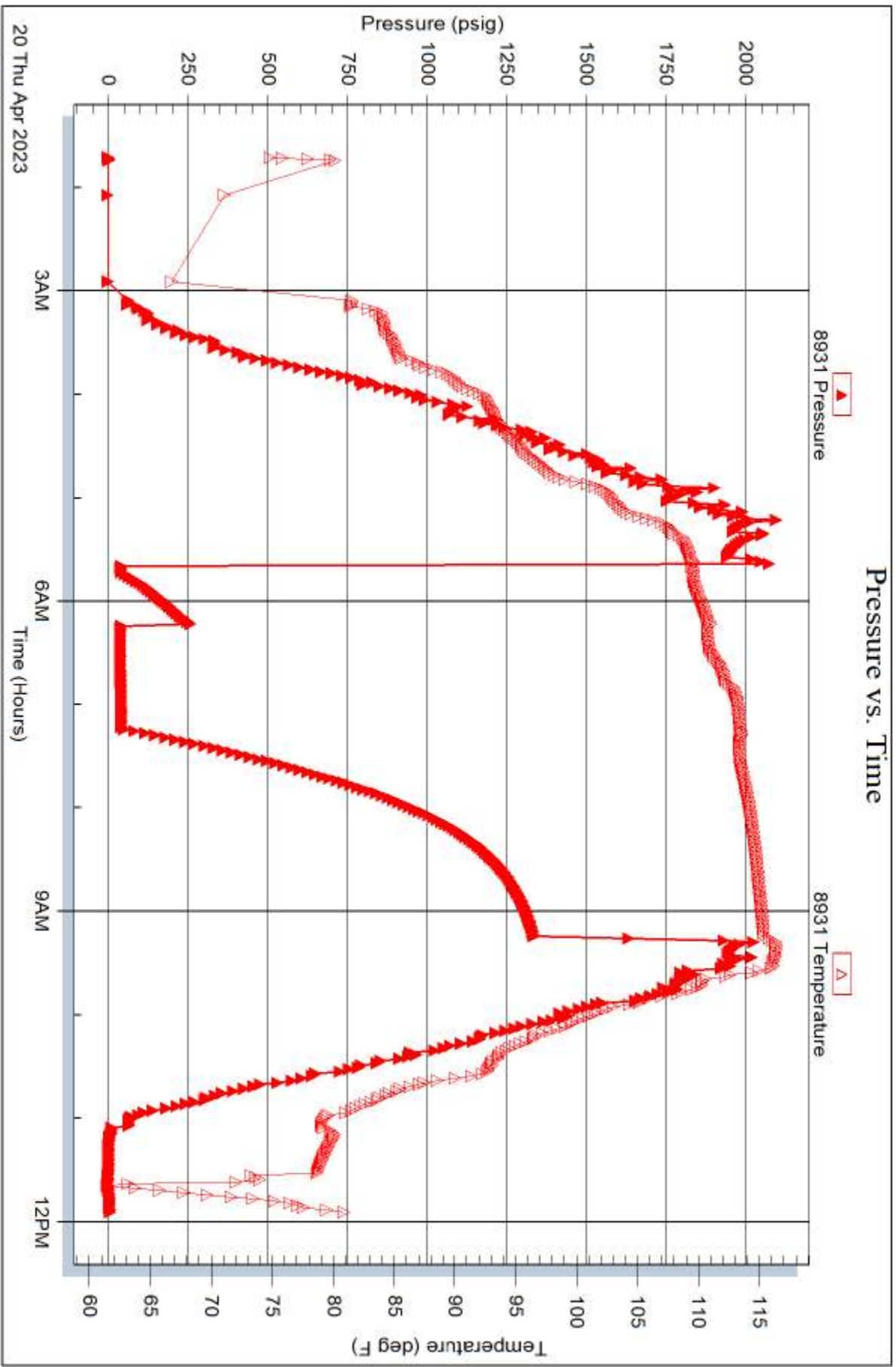


Serial #: 8931

Outside Knighton Oil Company Inc

Henderson #1-3

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70608

Well Name & No. Henderson 1-3 Test No. 1 Date 4/16/23
 Company Knighon Oil Comp. Inc Elevation 1997 KB 1987 GL
 Address 1708 N. Waterfront Pkwy, Bldg 100 Suite A Wichita, KS. 67206
 Co. Rep / Geo Blake Miller Rig Fussy #5
 Location: Sec. 3 Twp 26S Rge. 14W Co. Pratt State KS.

Interval Tested 3875 - 3900 Zone Tested 2ms. ng F
 Anchor Length 25' Drill Pipe Run 3759 Mud Wt. 8.8
 Top Packer Depth 3870 Drill Collars Run 120 Vis 60
 Bottom Packer Depth 3875 Wt. Pipe Run 2 WL 10.4
 Total Depth 3900 Chlorides 12000 ppm System LCM 2^H

Blow Description: IF: Strong Blow. B.O.B. in 2 1/4 mins. Built to 21"
ISI: Weak Blow. Built to 1.62"
FF: Strong Blow. B.O.B. in 1 1/2 mins. Built 65.75
FSI: Weak Blow. Built to 1.62"

Rec	Feet of	%gas	%oil	%water	%mud
<u>1543</u>	<u>GIP</u>	<u>100</u>			
<u>94</u>	<u>GMC HO</u>	<u>10</u>	<u>75</u>		<u>15</u>
<u>126</u>	<u>GHOWCM</u>	<u>10</u>	<u>35</u>	<u>15</u>	<u>40</u>
<u>120</u>	<u>GHOWCM</u>	<u>2</u>	<u>15</u>	<u>35</u>	<u>48</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 340' Fluid BHT 104° Gravity N/A API RW .35 @ 42 *F Chlorides 36000 ppm

Initial Hydrostatic 1914 Test 1800 Ruined Shale Packer
 Initial Flow 85 to 84 Jars 300 Ruined Packer
 Initial Shut-In 1219 Circ Sub Hotel
 Final Flow 104 to 151 Hourly Standby EM Tool Successful yes -175
 Final Shut-In 1218 Mileage 28 Pratt Shop Accessibility
 Final Hydrostatic 1762 Sampler Gas Sample
 T-On Location 2145 Straddle Oversized Hole
 Initial Flow 5 T-Started 2235 Shale Packer Sub Total -175
 Initial Shut-In 30 T-Open 0133 Extra Packer Total 1974
 Final Flow 60 T-Pulled 0522 Extra Recorder Tool Loaded @
 Final Shut-In 120 T-Out 0757 Day Standby MP/DST Disc't

Comments _____

Approved By _____ Our Representative Matthew Smith

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. 70609

Well Name & No. Henderson 1-3 Test No. 2 Date 4/17/23
 Company Knighton Oil Comp, Inc. Elevation 1997 KB 1987 GL
 Address 1700 W. Waterford Pkwy, Bldg 100 Suite A Wichita, Ks. 67206
 Co. Rep / Geo Blake Miller Rig Fossil #5
 Location. Sec. 3 Twp 26s Rge. 14w Co. PRATT State Ks.

Interval Tested 3937 - 3960 Zone Tested Lansing H
 Anchor Length 23' Drill Pipe Run 3792 Mud Wt. 8.8
 Top Packer Depth 3932 Drill Collars Run 120 Vis 62
 Bottom Packer Depth 3937 Wt. Pipe Run 0 WL 14
 Total Depth 3960 Chlorides 15000 ppm System LCM 1 1/2"

Blow Description IF: Weak Blow, Built to 2.67"
ISI: No Blow.
FF: Fair - Strong Blow, Built to 9.64"
FSS: No Blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>341</u>	<u>GEP</u>	<u>100</u>			
<u>2</u>	<u>Ospec M</u>	<u>0</u>	<u>30</u>		<u>100</u>
<u>60</u>	<u>GHOcm</u>	<u>10</u>	<u>30</u>		<u>60</u>

Rec Total 62' Fluid BHT 109 Gravity N/A API RW N/A @ — °F Chlorides 15000 ppm
 Initial Hydrostatic 1924 Test 1800 Ruined Shale Packer
 Initial Flow 57 to 43 Jars 300 Ruined Packer
 Initial Shut-In 600 Circ Sub Hotel
 Final Flow 55 to 53 Hourly Standby EM Tool Successful Yes
 Final Shut-In 1123 Mileage 387 House 49 Accessibility
 Final Hydrostatic 1760 Sampler Gas Sample
 T- On Location 1802 Straddle Oversized Hole
 Initial Flow 5 T-Started 1820 Shale Packer Sub Total 0
 Initial Shut-In 30 T-Open 2217 Extra Packer Total 2149
 Final Flow 66 T-Pulled 0200 Extra Recorder Tool Loaded @
 Final Shut-In 120 T-Out 0409 Day Standby MP/DST Disc't
 Comments Slip 4 Sect.

Approved By _____ Our Representative Mark A. Smith

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. 70610

Well Name & No. Henderson 1-3 Test No. 3 Date 4/18/23
 Company Knights Oil Comp, Inc. Elevation 1997 KB 1987 GL
 Address 1700 N. Waterfront Pkwy, Bldg 100 Suite A Wichita, KS. 67206
 Co. Rep / Geo Blake Miller Rig Fossil #5
 Location: Sec. 3 Twp 26S Rge. 14W Co. Pratt State KS.

Interval Tested 3955 - 3975 Zone Tested Lansing
 Anchor Length 20' Drill Pipe Run 3823 Mud Wt. 8.8
 Top Packer Depth 3950 Drill Collars Run 120 Vis SS
 Bottom Packer Depth 3955 Wt. Pipe Run 0 WL 9.8
 Total Depth 3975 Chlorides 8700 ppm System LCM 3rd

Blow Description IF: Strong Blow, B.O.B. in 1min 15. sec. Built to 57.70
ISI: No Blow.

FP: Strong Blow, B.O.B. immediate, built to 213.02", G.I.T.S. in 44 mins.

FBI: Weak Blow, Built to 2.94", Dried.

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>C.I.O.</u>	<u>100</u>			
<u>63</u>	<u>60</u>	<u>15</u>	<u>85</u>		
<u>180</u>	<u>60 Lm</u>	<u>20</u>	<u>65</u>		<u>15</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 Total 198' Flow BHT 104° Gravity 31 @ 60° API RW N/A @ - °F Chlorides 8700 ppm

Initial Hydrostatic 1906 Test 1800 Ruined Shale Packer
 Initial Flow 85 to 49 Jars 300 Ruined Packer
 Initial Shut-In 1215 Circ Sub Hotel
 Final Flow 74 to 46 Hourly Standby EM Tool Successful NO -350
 Final Shut-In 1212 Mileage (3857) House 49 Accessibility
 Final Hydrostatic 1897 Sampler Gas Sample
 T- On Location 1326 Straddle Oversized Hole
 Initial Flow 5 T-Started 1342 Shale Packer Sub Total -350
 Initial Shut-In 30 T-Open 1742 Extra Packer Total 1799
 Final Flow 60 T-Pulled 2130 Extra Recorder Tool Loaded @
 Final Shut-In 120 T-Out 6029 Day Standby MP/DST Disc't

Comments Gas to Surface, 5' Fill 3 1/2 stands off Bottom was Bridging.

Approved By _____ Our Representative Matthew A. Sauer

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. 70611

Well Name & No. HENDERSON 1-3 Test No. 4 Date 4/20/23
 Company Knight Oil Comp, Inc Elevation 1997 KB 1987 GL
 Address 1700 N. Waterfront PKWY, Bldg 100 Suite A Wichita, KS, 67204
 Co. Rep / Geo Blake Miller Rig Fossil #5
 Location: Sec. 3 Twp 26s Rge. 14W Co. PRATT State KS

Interval Tested 4168 - 4221 Zone Tested Mississippi
 Anchor Length 53 Drill Pipe Run 4045 Mud Wt. 8.9
 Top Packer Depth 4163 Drill Collars Run 120 Vis 70
 Bottom Packer Depth 4168 Wt. Pipe Run 2 WL 14.6
 Total Depth 4221 Chlorides 12500 ppm System LCM 34

Blow Description FF: Strong Abw. B.O.B. in 1min. Built to 22.34'
ISI: No Blow.
FF: Strong Blow. B.O.B. immediate. Built to 77.07'
FSI: No Blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>869</u>	<u>65FP</u>	<u>100</u>			
<u>70</u>	<u>60 spec m</u>	<u>2</u>			<u>98</u>

Rec Total 70' Fluid BHT 116 Gravity N/A API RW N/A @ - °F Chlorides 12500 ppm

Initial Hydrostatic 2077 Test 1950 Ruined Shale Packer
 Initial Flow 66 to 57 Jars 300 Ruined Packer
 Initial Shut-In 260 Circ Sub Hotel
 Final Flow 51 to 51 Hourly Standby EM Tool Successful -175
 Final Shut-In 1341 Mileage (38) → HOUSE X2 Accessibility
 Final Hydrostatic 2025 49 + 49 Sampler Gas Sample
 T- On Location 0057 Straddle Oversized Hole
 Initial Flow 5 T-Started 0142 Shale Packer Sub Total -175
 Initial Shut-In 30 T-Open 0538 Extra Packer Total 2173
 Final Flow 60 T-Pulled 0930 Extra Recorder Tool Loaded 4/20 @ 9:30 pm.
 Final Shut-In 120 T-Out 1154 Day Standby MP/DST Disc't

Comments _____

Approved By _____ Our Representative Matthew Smith

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.



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

Well Name: HENDERSON #1-3
API: 15-151-22566-00-00
Location: NW NW NW / 26S-14W-03 / 576' FNL & 360' FWL
License Number: _____ Region: PRATT Cty.
Spud Date: _____ Drilling Completed: _____
Surface Coordinates: NW NW NW / 26S-14W-03
576' FNL & 360' FWL
Bottom Hole
Coordinates:
Ground Elevation (ft): 1987 K.B. Elevation (ft): 1995
Logged Interval (ft): 3500 To: RTD Total Depth (ft): 4500
Formation: LA>SP>AR>MS
Type of Drilling Fluid: CHEMICAL MUD DISPLACED ~ 3300'

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

OPERATOR

Company: KNIGHTON OIL COMPANY, INC.
Address: 1700 N. WATERFRONT PKWY BLDG 100 STE A

GEOLOGIST

Name: Blake Miller
Company: Blake S. Miller - WellSite & Consulting Geologist
Address: 2021 COLEMAN LANTERN 17B + 2008 NISSAN TITAN SE

COMMENTS

Surface Casing: SEE DRILLING REPORT

Production Casing:

Deviation Surveys:

Pipe Strap @

Contractor Bit Record:

- 1.)
- 2.) 7 7/8", BILLS PL516, s/n#: 9027, JET: 3-15, IN @ 355', OUT @ 2134', 1745' IN 20.6 hrs
- 3.) 7 7/8", BILLS TRI-CONE, s/n#: 08032, JET: 3-15, IN @ 2134', OUT @ 3018', 884' IN 41.1 hrs
- 4.) 7 7/8", BILLS PL616, s/n#: 9024, JET: 3-15, IN @ 3018', OUT @ 3243', 224' IN 10 hrs.
- 5.) 7 7/8", SMITH MI616, s/n#: 1913, JET: 3-15, IN @ 3242', OUT @ _____

Gas Detector: PASON SYSTEMS.

Mud System: CHEMICAL MUD DISPLACED @~3300', by ANDY'S MUD & CHEMICAL CO. (BRANDON MENDEZ).

DSTs: TRILOBITE TESTING (MATT SMITH)

DSTs

TRILOBITE TESTING (MATT SMITH):

DST #1) LANSING 'F' (3875-3900) 50-30-60-120, (1) BOB/2"<21", (2) BOB/90sec<66", 1543' G, 94' GMCO (75%O), 126' GHOWCM (35%O), 120' GHOWCM (15%O), [1219-1218] FP: 85-84/104-151

DST #2) LANSING 'H' (3937-3960) 5-30-60-120, (1) WB<2.7", (2) FB<9.6", 341' G, 60' GHOCM (30%O), 2' OspecM, [600-1123] FP: 57-43/55-53

DST #3) LANSING 'H-I' (3955-3975) 5-30-60-120, (1) SB<BOB/75 sec., (2) BOB/immed. < GTS/44", ga 7.5 MCF, 15' O, 63' GO (85%O), 120' GOCM (65%O), [1215-1212] FP: 85-49/74-46

DST #4) MISS (4168-4221) 5-30-60-120, (1) BOB/1" < 22", (2) BOB/immed. < 77", 869' G, 70' GOspkM, [260-1341] FP: 66-57/51-51

CREWS

TOOL PUSHER: JOHN ROUSE





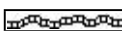



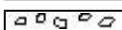








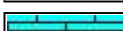
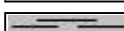
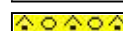

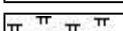


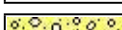


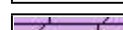
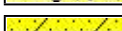
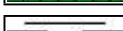


DAYLIGHTS: JEFF K., WILLIAM B., FRANCISCO S., MICHAEL S.

EVENING: CODY S., FRANK B., FRANCISCO S., MIGUEL G.

MORNING: SHAWN C., DERIK T., JUAN R., MIGUEL G.







ALTERNATE:





ROCK TYPES

 Anhy	 Shy dolo	 Sltst	 Shale 3
 Bent	 Dol	 Ss	 Silty dol
 Brec	 Gyp	 Black sh	 Dol lmst
 Cht	 Sdy lmst	 Gry sh	 Dol 2
 Clyst	 Lmst	 Shale	 Granite wash
 Coal	 Mrst	 Shysltst	 Lmst
 Congl	 Salt	 Sltyssh	 Calc dol
 Sdy dolo	 Shale	 Ss 2	 Shale 3
















ACCESSORIES








MINERAL

 Anhy
 Arg
 Bent
 Bit
 Brecfrag
 Calc
 Carb
 Chtdk
 Chtlt
 Dol
 Ferrpel
 Ferr
 Glau
 Gyp
 Marl
 Nodule
 Phos
 Pyr
 Salt
 Sandy
 Silt


 Chlorite
 Dol
 Sand
 Silty

FOSSIL

 Algae
 Amph
 Belm
 Bioclst
 Brach
 Bryozoa
 Cephal
 Coral
 Crin
 Echin
 Fish
 Foram
 Fossil
 Gastro
 Oolite
 Ostra












 Pelec
 Pellet
 Pisolite
 Plant
 Strom
 Fuss
 Oomoldic

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

RATE OF PENETRATION

ROP (min/ft) 
 Gamma (API) 

TG, C1-C5

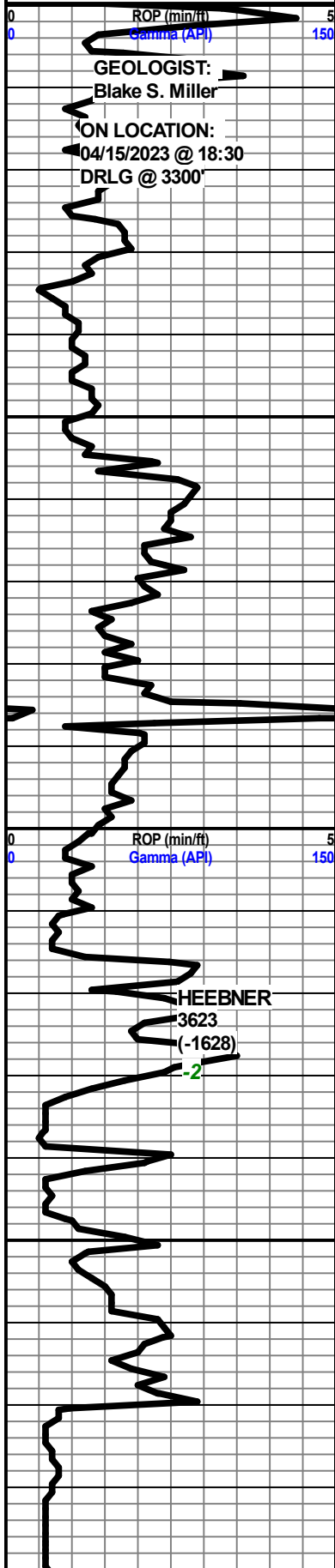
TG (units) 
 C1 (units) 
 C2 (units) 
 C3 (units) 
 C4 (units) 
 C5 (units) 

MD

Lithology

Oil Shows

Geological Descriptions



KNIGHTON OIL COMPANY, INC.

HENDERSON # 1-3
 NW NW NW / 26S-14W-03
 576' FNL & 360' FWL
 PRATT Cty., KS
 GR: 1987' KB: 1995

COMPARISON WELLS:

1.) TOMPKINS #1 / 26S-14W-04 / SE SE NE
 KB: 2002'

2.) GEREKE #1 / 25S-14W-33 / SW SE
 KB: 2006'

LS- tan/kaki, lsr wht w chlk & gry w shl, vfn-fn gm xln, hi calc- cln & opq, fnt xln & buff foss frags, lo por oa, lsr brtl rxdn w fr disol/vug por in prt, no odor, nso/g. SH- lt grys, vfn gm, fiss, w buff lm incl/horiz, no por, no odor, nso/g.

LS(aa)- kaki/tan xln w fnt-fr foss, hi calc, lt gry w shl, lsr wht w chlk, brtl, lo por- decr disol por, no odor, nso/g. SH- lt gry, decr.

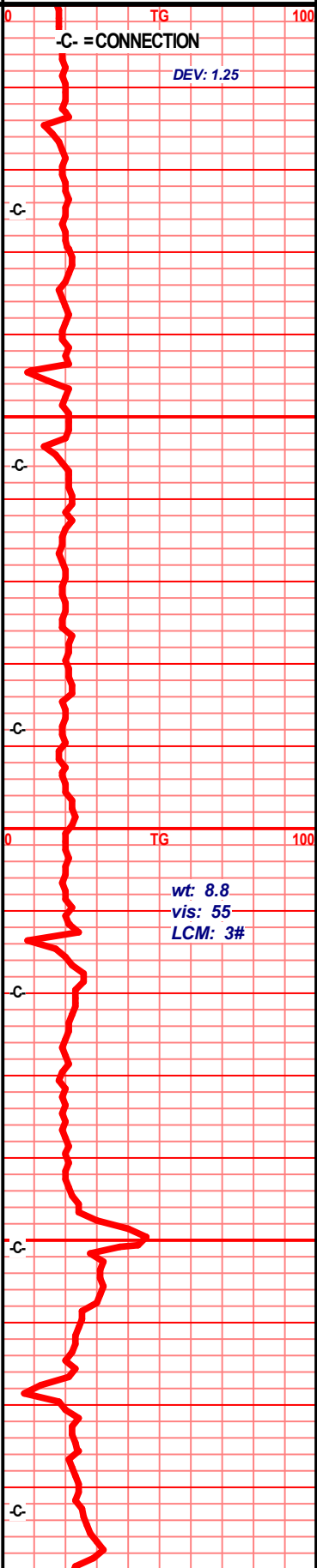
LS- kaki/tan, decr gry/wht, vfn-fn (incr), incr xln/rxdn calc, fr foss, sl sity/sdt in prt ~grainy, brtl, lsr gry/shl cont, decr chlk, lo-fr por (sl incr), no odor, nso/g (3620').

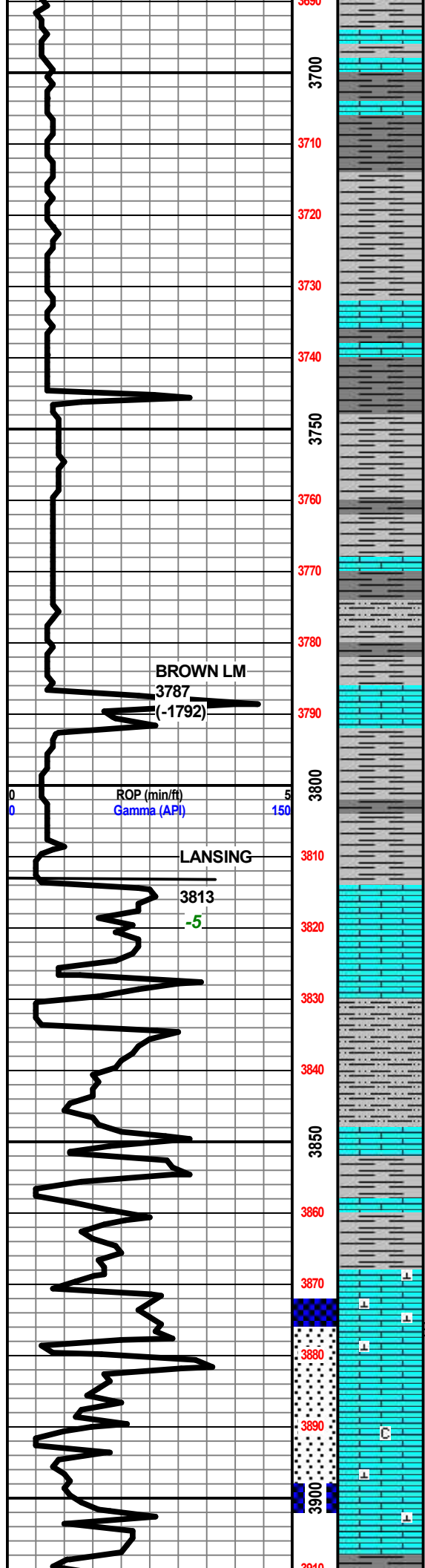
SH- blk carb, vfn gm, fnt vfn bd'd, fiss/flky, grsy surf text, no vsbl por, no odor, vfn bubs cut & incr w/ press, nso (v. minr lith 3640'). LS(aa)- dom lith, hi calc, fr foss, sl grainy, lo por oa, nso/g.

LS- tan/kaki, xln > buff(sl incr), vfn gm, lsr fn, hi clac, fr foss, cln ~trans/ambr calc mtx in prt, grainy in prt, brtl, lo por oa, fr w/ foss disol/ppt/vug por in prt, no odor, nso/g.

LS(aa)- nso/g. LS- tank/kaki, microxln, vfn-vfn, incr buff & grys w/ incr shl cont, sl decr foss/vsblty, lo por, no odor, nso/g.

SH- grys>blk, sl incr, vfn gm, sl lmy in prt, wxy-brtl text, no vsbl por,





no odor, nso/g.

LS- tan/kaki/gry, ~trans micro, slty/shly grys, vfn-vfn gm xln, hi calc-gd fn romb incl, incr buff & grys w/ incr shl cont, sl decr foss/vsblty, lo por, no odor, nso/g.

SH- grys, vfn gm, fiss, glauc incl in prt, lrg long pcs/frac, lmy/mot'd in prt, no vsbl por, no odor, nso/g.

LS- tan/kaki, gry w/ shl cont, incr wht w/ chlk-edge in prt, lo vsbl foss, hi calc- xln>buff>rxln, lo por- few disol/ppt/vug pcs, no odor, nso/g. SH(aa)- grys, nso/g (incr 3740, >50% @ 3760'

SH- grys, sl gry/blu in prt, rare gry/green, vfn-vfn gm, slty/gritty in prt, carb cont- incl & horiz/intbd'd, no vsbl por, no odor, nso/g.

LS- kaki/tan/off wht mot'd, vfn > gm, hi calc- ~hedr trans/tan/bm in prt, chiky in prt-edge & mtx, fnt foss, lo por, no odor, nso/g (minr lith 3790'). SH- grys, nso/g, dom lith.

SH- grys, vfn gm, slty/gritty in prt- slt n pep'r look, micas, blk/carb incl & stylo-like horiz, fiss - non, no vsbl por, no odor, nso/g. (~80% @ 3790' & incr).

LS- kaki/off wht, lsr tan, micro-buff xln/intxln w/ vfn-fn foss/ool clst, few crs/lrg fos frags, v. fnt m'd foss, hrd dns tite, lo por, no odor, nso/g (3810').

SH- grys, vfn, slty in prt, no por, no odor, nso/g (dom lith).

LS- kaki/tan, patchy off wht, vfn-fn, hvy foss in prt, fn+ crs hedr xln ~trans/tan calc, intrxn/tite, infreq lrg vug, misc foss/ool- hvy in prt (~bnd'd?), dns/tite- lo por oa, no odor, nso/g (90" > 60" @ 3840'). SHaa- dom lith.

SH/SLTY SH- grys, few red, vfn, slty in prt- vsbl intbd'd, lo micro pyr, no por, no odor, nso/g (dom lith, 1st rd @ 3870').

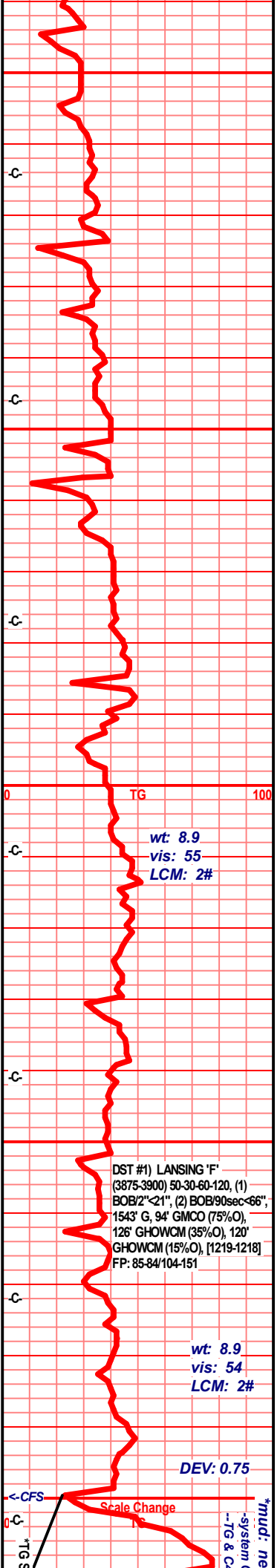
LS- kaki/off wht, decr tan/wht/trans xln calc- patchy & incl'd xl, lo chlk in prt, no-lo intxln por, no odor, nso/g.

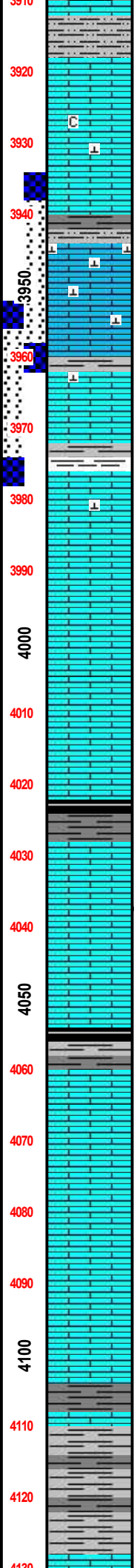
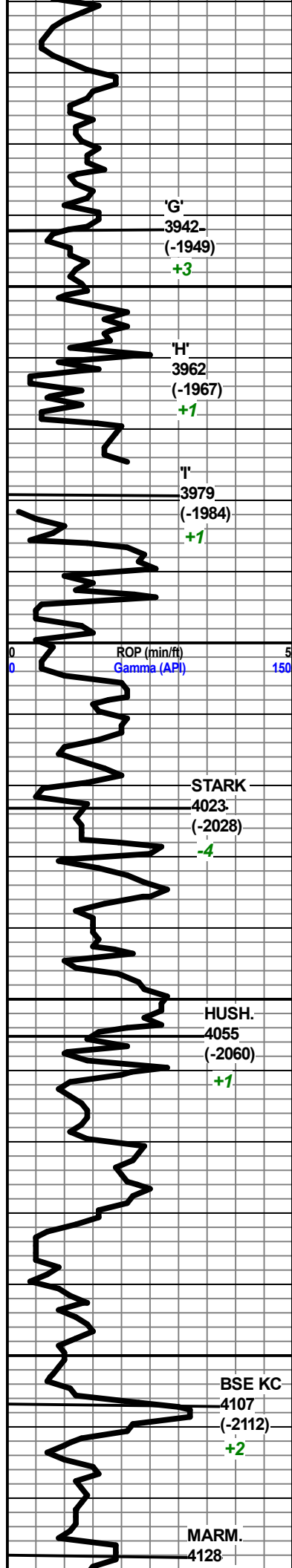
SH- grys>othr, sl blu in prt, vfn-vfn, vsbly intbd'd w/ slts & carb horiz, pyr, no vsbl por, no odor, nso/g (~75%+ 3860-3900, poor smpls?). LS- kaki/tan/off wht, mot'd in prt w/ patchy calc xln/rxln & incr chlk cont, fr ool/foss in prt, trans cln ~hedr calc in prt, lo por, no odor, nso/g

LS- tan/kaki/trans, vfn-fn+, v. hi calc- dusy/rombs & patchy cln intxln, ~spar mtx in foss pcs, hrd tite, infreq lrg vug/void, lo intxln por, v fnt fltng odor, nso, lo sm bub on brk in prt (sngl romb w/ SO included?, 3900' & 30")

LS- tan/kaki/off wht, vfn-fn gm, sl decr hedr calc, incr foss- wx'd clst & mtx, chiky/frbl in prt, lo prt chit xln w/ foss/spics incl'd, lo vsbl por oa (poor rep?), fr dissol por in prt- vug/ppt, wx'd foss, fnt odor sl incr 90", GSO few pcs- bldg SO, ~perm on brk & incr odor (<1% smpl w/ SO).

LS- off wht/kaki, lt gry hue in prt, vfn-vfn, lr fn foss & hedr calc rxln, patchy prt chit w/ gd foss, vrb xln: patchy/bnd'd hedr & ~sucro ~trans calc, buff & fnt foss in prt, carb lam/sdo in prt, lo por (intxn > dissol), no odor, nso, few bub on brk (sig decr SH)





SLTYSH-grys > blu hue & rds, stly-vsibly intbd'd, carb incl/lam, no por, no odor, nso/g (sl incr 3940, 50). SH-grys > blu/green, rd, vfn gm, fnt bd'g, lrg long splintry brlt pcs, no por, no odor, nso/g (sl incr 3950)

LS-off wht/kaki, vfn-vfn, lo ~hedr calc, brlt/frbl ~sucro in prt < buff dns tite fnt foss in prt, incr/lo chlk, patchy unifrml wht>drk prtlt cht w/ hi foss, lo por (decr), no odor, nso/g (3950, 60).

LS-kaki/off wht, lo por, nso/g. LS-kaki/tan, micro-vfn gm xln, buff w/ fnt foss > patchy hvy foss, hi clin ~trans spar-like calc, hrd dns tite w/ blk por-bnd str/tary, patchy fr dissol por (lo por oa), fnt odor, v. rare SFO on brk, lo trans/rbw SO on wtr.

SH-gry/blu, uniform vfn gm, micas/arg, blk pcs w/ tab frac, no por, no odor, nso/g (~40-50% 3970 & 75 circ'd).

LS-kaki/off wht, & dngy tan/gry/bm (dirtier, higher gr), vfn-vfn gm xln, w/ fn+ool/foss frags, m'd in prt, wx'd in prt (wht/chlky), tite w/ spar & fr por w/ vug/dissol mtz por, bm/blk por stn- ~tary & live, fnt odor-incr w/ brk, FSFO- trans drop on wtr, lt bm FO on brk (~3-5% smpl SO).

SH-blk/gry > rd/bm, vfn gm, fnt bd'g in prt, micas, pyr, lrg blk pcs, irreg-fiss/tab frac, no por, sl weeat odor, nso/g (dom lith, slough in prt?)

LS-tan/wht mot'd, buff/miro-vfn gm, few fn+trans hedr calc clstr (incr), fr foss-mic mtz w/ misc frag/ool > hvy ool w/ spar mtz, frbl chlky/wx'd < dns tight brlt, lo vsbl por, sl wst odor, lo bub on brk-w/ rare rbw sheen, v. rare SFO on brk (from abv?) (poor/un-rep smpls?)

LS-tan/off wht sl chlky/wx'd, tan/trans w/ incr calc xln: as spar w/ hi ool, patchy wht/clstr, hedr incl; frbl-brlt, tite o.a.- lo ool & intrxn por, fnt odor, gd wr sheen, gd bub on brk (4020').

SH-grys>blk>rd/bm, vfn gm, fiss/tab fr/pcs, no por, nso/g (dom lith). LS-tan/off wht, micro xln spar mtz (buff in prt), w/ hvy vfn (rare fn) ools (bnd/horiz vsbl), chlkw'x'd w/ misc foss in prt, fnt odor, gd bub on brk, infreq wk SO on brk (4030')

LS(aa)-tan/off wht, hi calc, micro xln spar mtz (buff in prt), w/ hvy vfn (rare fn) ools (bnd/horiz vsbl), decr wx'd/chlk oa, dns hrd brlt, lo vsbl por-tight, gd odor, gd bub on brk, sig incr amt/qity SO on brk (4036' stop)

LS-tan/kaki, lsr wht- patchy/edge, & chlk ~wx'd pcs, hi clin calc, hvy vrbt ool- fnt~buff to gd w/ spar mtz, lo moldic, lo vsbl por o.a., gd odor, few pcs w/ stn & por bound SO, few tite w/ gd SFO on brk only, bubs (4036' 60 & 90")

SH-blk carb, vfn gm, vfn bd'd, fiss, no por, odors persist, nso, bubs. (v. minr lith, 1st @4036 90", & 4040)

LS & SH- poor samples, no distict chnage, vrbt LS & gry/rd/blu/green sh.

SH- blk carb (rtm/incr) < gry, teal/turq, rd/bm, vfn gm, fiss/tab pcs/frac, no por, fnt odor persists, nso/g. LS-abund. & vrbt, poor sample accuracy (4080').

LS- highly vrbt: kaki/off wht w/ incr chlk/wx'd, tan w/ hi calc spar mtz, lo vsbl por, odors persist, wk SO carried. SH(aa)- gry/teal/rd/bm, sig incr oa (4100').

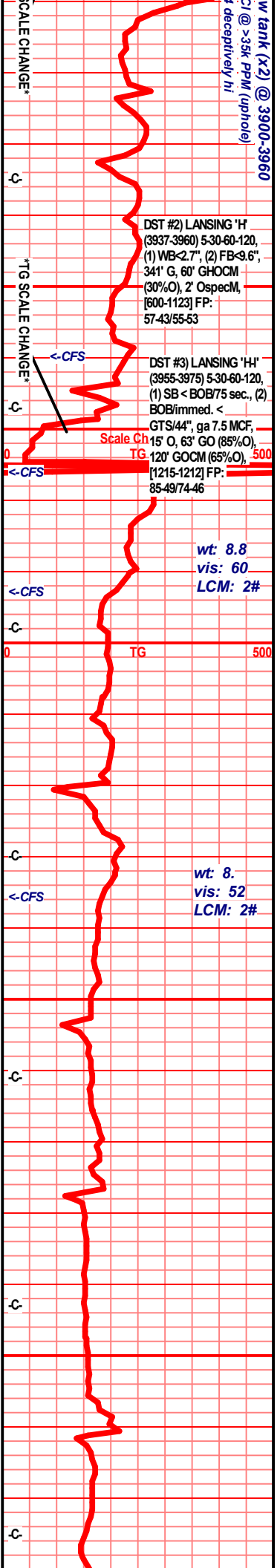
LS-off wht, buff-vfn, rare fn+romb/clst, fnt foss, hi micro calc, bm/blk por bound stn in few, lo vsbl por oa- crs vug/void ~discont, vsbl FO, incr on brk (4110')

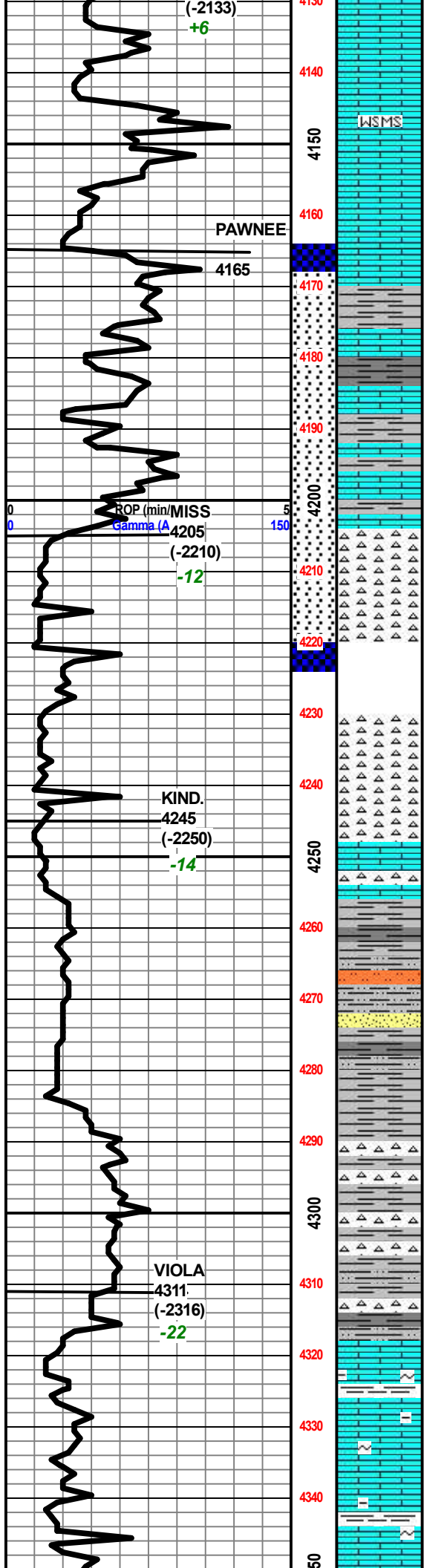
LS- wht/tan sl gry/blu, mot'd, dirty, buff in prt, vfn-vfn gm, lsr misc fn clst- fnt ool > misc, pyr, shly/micas/glauc, lo vsbl por, odors persist, wk SO on brk.

LS-kaki/off wht w/ chlk/wx'd, tan hi calc w/ ool, shly in prt, fnt misc foss- hvy ool w/ spar cem, lo vsbl por, fr odor, 1-2 pcs w/ por bound stn, SO on brk(decr). SH- gry, sl blu hue, lsr rd/bm, no por, no odor, nso/g.

SH- gry, lt blu, blk rd/bm, stly in prt, vsbly bd'd, glauc/arg, waxy text, lrg blk tab/fiss ang pcs, "fresh", no por, no odor, nso/g (carried SO pcs & odor ~absnt, finally 4150')

SH(aa) vsbly bd'd/bnd'd in prt, w/ ls/xln horiz, pyr, no por, no odor,





nso/g. LS- dngy gry/bm/tan, lt blu sh lch'd in prt, buff/micro > vfn xln, buff dull opq w/ fnt foss > glassy hvy ool w/ spar, lo chlck-edge, brtl shrp ang conc frac/pcs, no por, no odor, nso/g (4180). SH- grys > teal/red/bm, sl decr oa.

LS- dngy gry/bm/tan, lt blu sh lch'd in prt, buff/micro > vfn xln, buff dull opq w/ fnt foss > glassy hvy ool w/ spar, lo chlck-edge, brtl shrp ang conc frac/pcs, no por, no odor, nso/g (4180). SH- grys > teal/red/bm, sl decr oa.

LS- kaki/tan/off wht, buff-vfn xln, fnt > gd foss/ool, sl chty, shly surf contact in few, infreq rxln/vug w/ low por, no odor, few vug pcs w/ SO on brk. SH- grys, gry-blu, purp, rdbm, vfn gm, fiss/tab frac/pcs, no por, no odor, nso/g (incr oa 4190, 4200)

SH(aa) & LS(aa)- no por, no odor, nso/g. LS- tan/gry/bm, sl blu green hue/shl leached clr, buff/micro xln ls w/ prtlt cht xln (min'r lith, 4200').

LS- tan kaki grys, buff-vfn xln, prtlt cht- sh leachd clr in few, fnt foss, lo vsbl por, fr odor, rare vug w/ bm/blk stn- wk SO on brk (4220').

CH- bone white w/ patchy wx'd bm spts (lsr blk), microxln, limy in prt- full & prtlt xln, fnt foss/spics, few clrd pcs, shrp frsh ang pcs, hrd dns tite, lo por (-discont vug & dissol por), bm stn = surf SO, incr on brk in prt, bldg bub in prt, rare bldg SO (prtlt xln/@contact?)(4221, 60")

SH- misc gry, blk, crd vfn sh, slty in prt, fiss/tab frac/pcs, no vsbl por, no odor, nso/g. SST/SLTSTN- wht/gry, vfn-vfn gm qtz, misc/carb/glauc incl, arg > sil cem-shly, frbl, lo-fr por w/ vrbl cem/arg, no odor, nso por (v. min'r lith, 4240 & 50, SH dom)

CH- brt wht w/ blk & bm patches/mot'g in prt., few misc clrd & glassy/semi trans, incr shrp frsh ang, sl decr lmy cont/prtlt xln, fnt foss/spic-gd @trip text, lo vsbl trip text/wx'd ppt por, no odor, decr SO & bub oa (blk>bm stn, SDO>SFO, 4270 & 80). SH- persists, dom

LS- tan/lt bm, buff>vfn xln, lo foss in tite mic, lo calc, prtlt cht, infreq ppt por/lo oa, no odor, rare ppt stn (4280', LS>CH).

SH- grys blk purp pl green, vfn lrg long tab pcs, brtl, tit/no vbl por, no odor, nso/g. (sig incr 4290', al most looks like sluff, -massive pcs).

SST- brn w/ stn, green w/ incr arg/glauc mtb, vfn grn trans qtz, arg & sil cem, frbl, lo-fr por w/ vrbl shl/arg mtb, no odor, 1 pc gd SO, FO on brk (4300', SH- lrg pcs, dom lith)

SH- grys > clrd, vfn gm, lmy in prt- brtl, lrg pcs, no por, no odor, nso/g (dom lith, poor samples? - 4310')

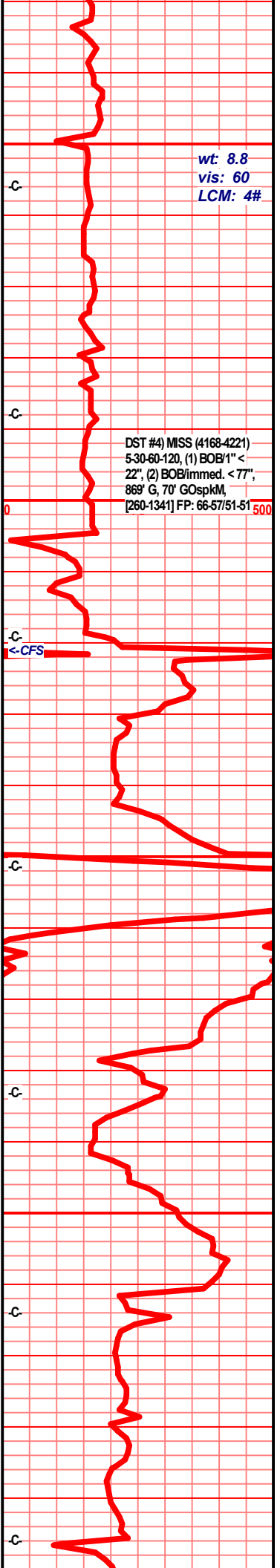
SH(aa)- grys blk purp pl green, vfn lrg long tab pcs, brtl, tite/no vbl por, no odor, nso/g. LS- 1-2 pcs tan buff vtite/lo por, no odor, nso/g. CH- wht w/ patchy bm/blk, lmy in prt, full > prtlt xln, SDO & SO on brk in prt. (ALL 4310' circ samples poor, 90%+ lrg SH pcs., pump repair @ 4314').

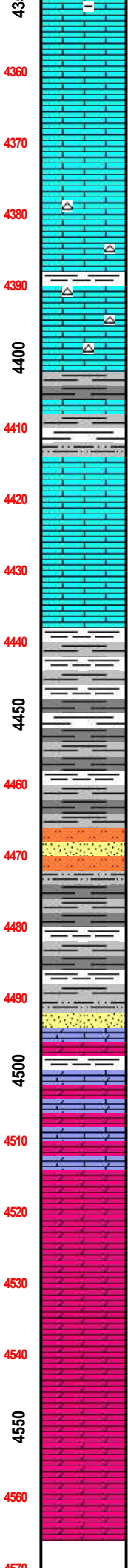
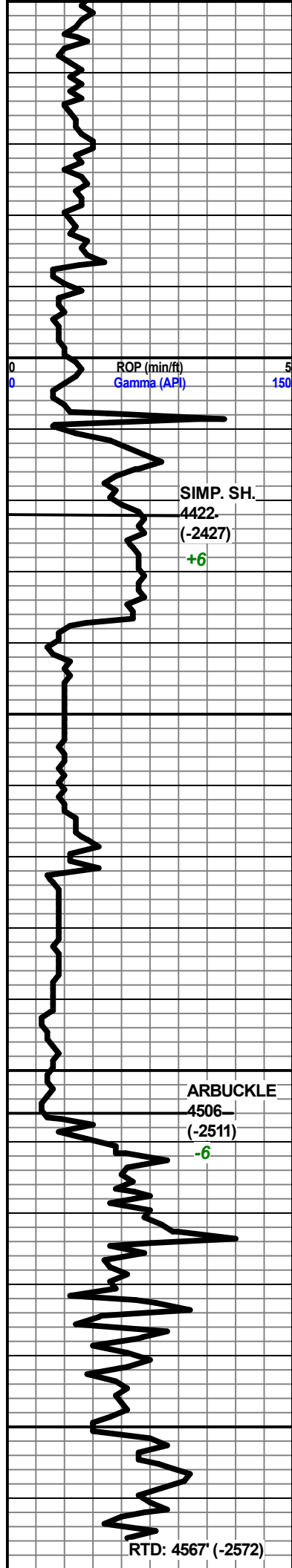
SH- grys > rd/bm, sl lbu/gry, blk, vfn gm, fnt bd'g, glauc/arg, slty in prt, contact w/ CH & leached clr, no vsbl por, no odor, nso/g (-90%+ 4330)

LS- tan/wht/lt blu, buff/micro-vfn xln, rare fn calc clst- blk romb in prt(SDO?), chrtly- shrp ang opq w/ trip-like wx'g & SDO>SO, shly/blu w/ arg/glauc cont, lo por oa- infreq cln vug, no odor, wk infreq SO. (SH & CH(aa)- dom liths)

SLTSTN>SST- misc clr (teal w/ arg/glauc shl mtb, purp & pelletal/lmy, gry w/ glauc pelet/spore?), semi trans w/ carb/SO incl), vfn>vfn trans qtz, poor sort, frbl, blk > brn bnd'd patchy SDO>SO. (4350' : SH-dom lith, SLTSTN- 2nd, CH/LM- wht/tarry, min'r lith)

SH- grys > rd/bm, blk, green/blus, vfn gm-slty/gritty in prt, mot'd in





prtl w/ tan/bm intrxn hi calc LS, no odor, nso/g (~90% v. lg SH @ 4360, 70)

LS- lt ylw & green, mo'd in prt, lsr tan, buff>vfn sl grainy xln, lsr fnt vfn foss, prt chrt-contact in prt, shly-arg/glauc, fr-no HCl rxn (hi min. vrbly), lo vsbl por- grds to cht w/ trip text, wx'd/dissol ppt por, fnt sweet~dsl-like odor, tarry blk>brn stn'd cht/lm(aa)incr 4380 & 90, sig decr sz/% SH).

LS- hi mo't g: whts, pl ylw & green, tan, buff-vfn xln/intrxn, bnd'd grainy stn'd horiz in prt, shly/arg, prt cht rxn, ~sucro text - dns brtl tite, lo-fr intrxn>ppt por, fnt sweet odor, infreq fr trans/rbw SO (4400 & 10).

LS- whts ylw, pl green ptchy hue, mo'd, decr buff, vfn xln/intrxn w/ vrb % arg, frbl grainy text in prt, lo cht, bub on brk in prt, infreq trans/rbw sheen/SO. CH- fr amt persists, full > prt (4420')

CH- wht/tan/ylw, microxln, lo fnt foss, chn full > prt, shrp frsh ang pcs/frac, no vsbl por, no odor, nso/g (-5-10% @ 4420-40)

SH- grys, rd/bm, teal/turq, vfn gm, vsbl lm intbd/horiz in prt, no vsbl por, no odor, nso/g (sl incr 4430 & 40)

LS- tan/kaki/off wht, decr green/blu hue/sh leached clr, vfn granular xln, frbl, lo vsbl intrxn por, no odor, nso/g.

SH > LS > CH- lo por, no odor, nso/g. (v. mixed lith, no clear dom lith).

LS- off wht/kaki > tan sl brn hue, vfn gm xln, gritty grainy chn calc in arg/chlk mtz ~sucro, rarely intbd, lo glauc/incl, no vsbl foss, lo-fr intrxn/intrgranular por, no odor, nso/g (4770').

SH- grys, incr teal/turq & m'roon/purp*, vfn gm, micas, pyr xln, fnt bd'g, glauc arg cont, tab>fiss frac/pcs, no vsbl por, nso/g (4480', incr 4490')

SH- incr turq/teal, hi glauc/arg, no por, no odor, nso/g. LS- tan/lt brn, ~sucro vfn xln, poor chlk/arg mtz- gmy, frbl text. lo intrxn por. LS- whts/kaki, vfn-fr xln/intrxn, incr chn ~hedr calc, vsbl shrp contact w/ ~sucro LS, no vsbl/lo intrxn por, no odor, nso/g (4490').

SH- grys, dom lith. SST- wht/trans w/ blk carb incl, vfn>fn trans qtz, mod sort, mod sil & arg cem-vsblly shly mtz/contact in prt, patchy pyr xln, frbl, fr>lo por w/ decr shl/mtz, no odor, nso/g. gms(1st @ 4510, incr 4520 & crsn'g).

SH- turq & grys, vfn gm, hi glauc/arg, micas, vfn pyr xln, fnt bd'g vsbl w/ vsbl intbds, -fiss, brtl/tab pcs/frac, no vsbl por, no odor, nso/g.

SST- drty gry (trans qtz + blk spc/carb incl), vfn > fn submd trans qtz, fr sort, glauc/arg mtz & surf stn in prt (& sil cem), lo vsbl intrclst por, no odor, nso/g (4530' minr lith, SH-dom).

DOLO-LS- tan/kaki w/ lsr patchy/edge off wht (lmy cont- fr eferv), micro-vfn intrxn, rare ~sucro pc/patch, fnt foss in prt- w/ fr ool/dissol por in prt, no odor, nso/g. (decr SH @ 4540')

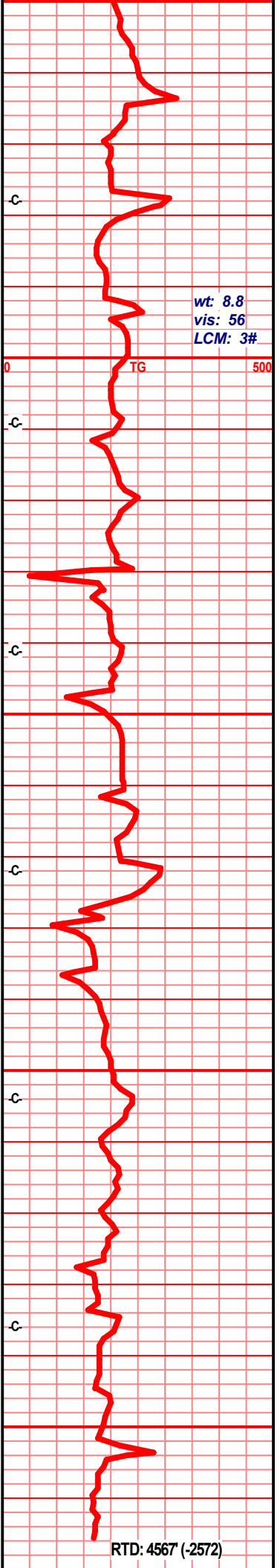
DOLO-LS- off wht/tan/kaki, vfn-vfn xln, chn/rare incl, fnt foss strut in prt, lmy mtz & edge w/ dol xln- difrent'l HCl rxn, frbl ~sucro xln textvw. incr lm- dnse tite uniform intrxn lo lm, lo por > infreq fr vug/ppt/intrxn por (csr xln), no odor, nso/g

DOL- tan/kaki, decr wht, vfn-vfn, decr lm cont, lo foss, ~sucro xln text w/ csr dol xln, dnse tite uniform intrxn in prt, lo vsbl por oa, infreq fr intrxn>vug/ppt por, no odor, nso/g (4560').

DOL- tan/kaki > few sl gry hue, vfn~buff & vfn intrxn w/ infreq fn romb & glauc incl, lm~absnt, v. fnt rare foss, frbl ~sucro w/ lo por > ~buff intrxn dns tite no/lo vsbl por, no odor, v. rare trans/rbw drop on brk only.

DOL- tan, ~buff w/ fnt ind xln, radial hedr xln @ ool/foss dissol horiz, lo vsbl por oa, no odor, nso/g. (4366 circ'd- sig incr SH, decr DOL) SH- grys, mroon, lsr teal/turq, vfn gm, nonfiss- iireg bd'd/pcs, waxy text/frac, no vsbl por, nso/g (4566', 30 & 60").

RTD: 4567' (-2572)





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Susan K. Duffy, Chair
Dwight D. Keen, Commissioner
Andrew J. French, Commissioner

Laura Kelly, Governor

August 24, 2023

Chris Toy
Knighton Oil Company, Inc.
1700 N WATERFRONT PKWY BLDG 100
STE A
WICHITA, KS 67206-6627

Re: ACO-1
API 15-151-22566-00-00
HENDERSON 1-3
NW/4 Sec.03-26S-14W
Pratt County, Kansas

Dear Chris Toy:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 4/10/2023 and the ACO-1 was received on August 23, 2023 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department