

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:	
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Form	ACO1 - Well Completion
Operator	K & N Petroleum, Inc.
Well Name	BIG HOUSE 8-1
Doc ID	1704384

All Electric Logs Run

Sonic Log
Compensated Density/Neutron Log
Micro Log
Dual Induction Log
Dual Receiver Cement Bond Log

Form	ACO1 - Well Completion
Operator	K & N Petroleum, Inc.
Well Name	BIG HOUSE 8-1
Doc ID	1704384

Tops

Name	Top	Datum
Anhydrite	747	1074
Base Anhydrite	762	1059
Heebner	2969	-1148
Toronto	2980	-1159
Douglas	2995	-1174
Brown Lime	3051	-1230
Lansing	3061	-1240
Base Kansas City	3288	-1467
Conglomerate	3294	-1473
Arbuckle	3309	-1488



TREATMENT REPORT

Acid Stage No. _____

Date 1/19/2023 District GB F.O. No. 50633
 Company K&N Petroleum
 Well Name & No. Bighouse 8-1
 Location _____ Field _____
 County Barton State KS

Type Treatment: Amt. Type Fluid Sand Size Pounds of Sand
 Bkdown _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 Flush: _____ Bbl./Gal. _____

Casing: Size 5.5" Type & Wt. 14# Set at _____ ft.
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.
 Cemented: Perforated from _____ ft. to _____ ft.
 Tubing: Size & Wt. _____ Swung at _____ ft.
 Perforated from _____ ft. to _____ ft.

Treated from _____ ft. to _____ ft. No. ft. 0
 from _____ ft. to _____ ft. No. ft. 0
 from _____ ft. to _____ ft. No. ft. 0

Actual Volume of Oil / Water to Load Hole: _____ Bbl./Gal.

Pump Trucks. No. Used: Std. 365 Sp. _____ Twin _____
 Auxiliary Equipment 367
 Personnel Nathan Joe Curtis
 Auxiliary Tools _____
 Plugging or Sealing Materials: Type _____
 _____ Gals. _____ lb.

Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Company Representative Kyle N. Treater Nathan W.

TIME a.m./p.m.	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
5:00		5.5"		On Location. Rig rigging up casing crew.
				Pipe-3365' Centralizers-1,3,5,7,9
				Baffle-3350' Baskets-2,8
				Tag bottom and pick up.
				Break circulation with mud pump. Circulate for 1 hour.
				Pump 600gal of mud flush.
				Plug Rat hole with 30sks and mouse hole with 20sks.
				Mix 225sks 60/40poz 2%gel 10%salt .5%C-37 .5%C-12 .5%C-41p
				5#/sk Gilsonite
				Displace with 81.7bbls at 6.5bpm-900# Plug landed at 1100#
				Pressure up to 1400# Release pressure. Float Held.
				Thank You!
				Nathan W.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

K&N Petroleum Inc.

8-18S-13W/ Barton

1105 Walnut St.

Great Bend KS 67530

Big House 8-1

Job Ticket: 69903

DST#: 1

ATTN: Jim Musgrove

Test Start: 2023.01.16 @ 05:05:00

GENERAL INFORMATION:

Formation: **Lansing "A-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:47:00

Time Test Ended: 10:47:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Richie Samora

Unit No: 66

Interval: 3058.00 ft (KB) To 3150.00 ft (KB) (TVD)

Reference Elevations: 1821.00 ft (KB)

Total Depth: 3150.00 ft (KB) (TVD)

1811.00 ft (CF)

Hole Diameter: 7.79 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8355

Press@RunDepth: 122.91 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.01.16

End Date: 2023.01.16

Last Calib.: 1899.12.30

Start Time: 05:05:05

End Time: 10:47:14

Time On Btm: 2023.01.16 @ 07:14:00

Time Off Btm: 2023.01.16 @ 09:08:45

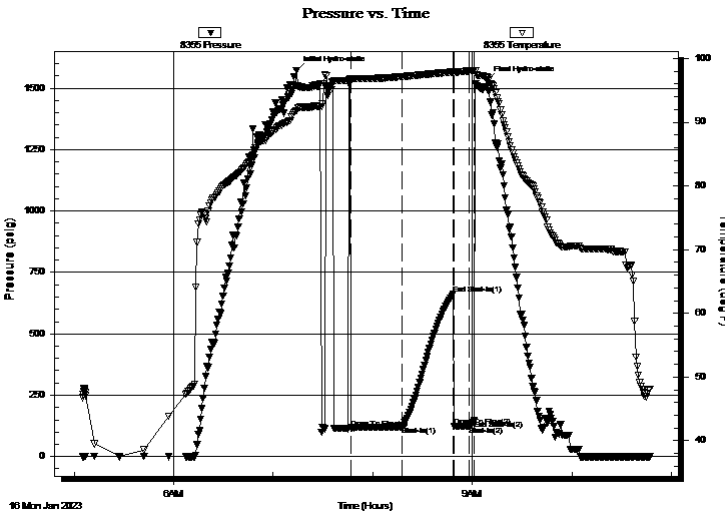
TEST COMMENT: 30-IF: Tool slid 25' tool opened - resealed tool had 1" blow - flushed tool - Weak blow built to 1.5"

30-IS: No blow back

10-FF: No blow

5-FSI: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1572.86	91.84	Initial Hydro-static
33	117.49	96.73	Open To Flow (1)
64	121.82	97.15	Shut-In(1)
95	662.16	97.88	End Shut-In(1)
96	122.69	97.77	Open To Flow (2)
104	122.91	98.03	Shut-In(2)
108	146.15	98.10	End Shut-In(2)
115	1533.18	97.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
81.00	MUD 100%M	0.58

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

K&N Petroleum Inc.

8-18S-13W/ Barton

1105 Walnut St.

Great Bend KS 67530

Big House 8-1

Job Ticket: 69903

DST#: 1

ATTN: Jim Musgrove

Test Start: 2023.01.16 @ 05:05:00

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
81.00	MUD 100%M	0.581

Total Length: 81.00 ft Total Volume: 0.581 bbl

Num Fluid Samples: 0

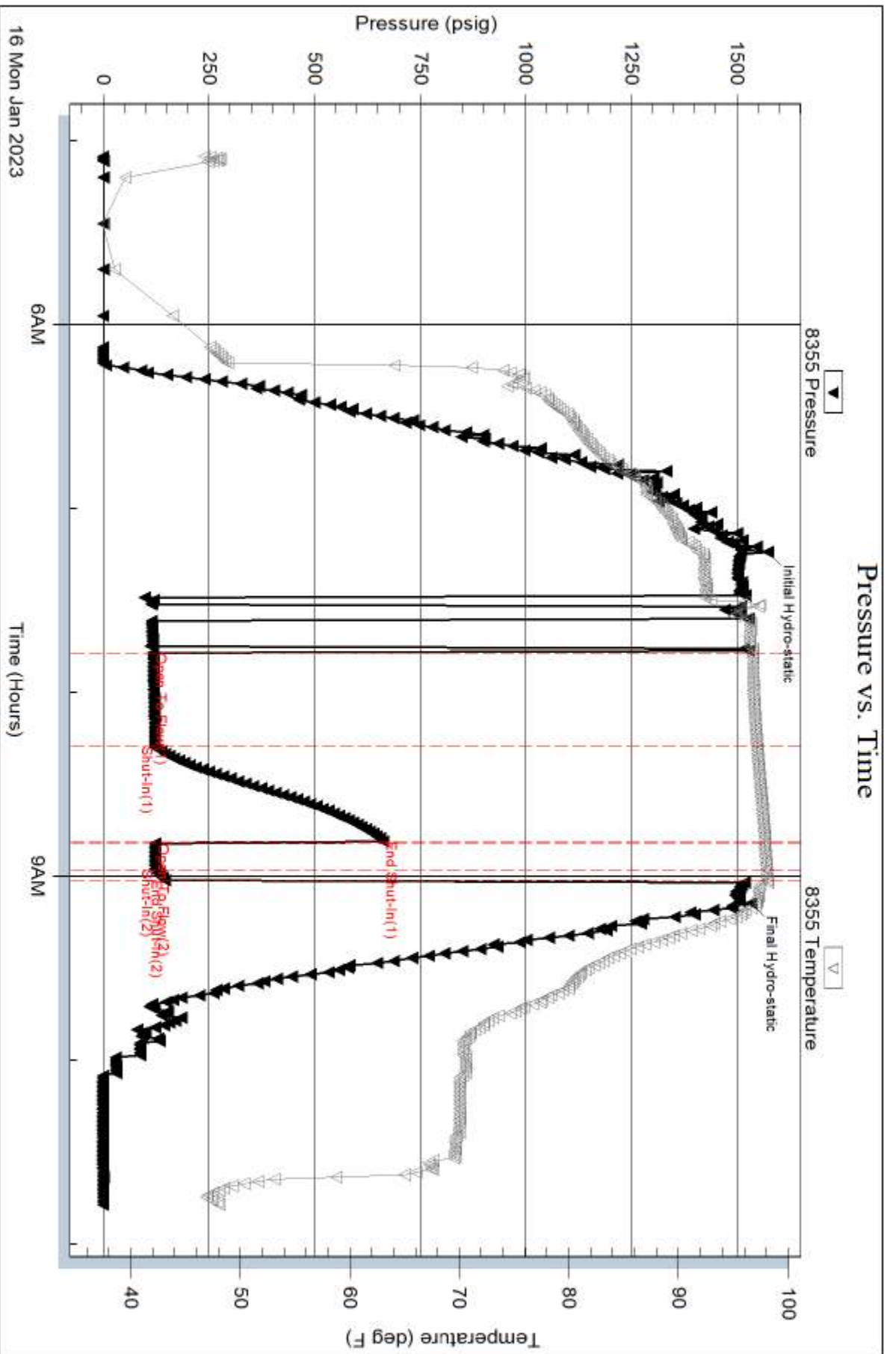
Num Gas Bombs: 0

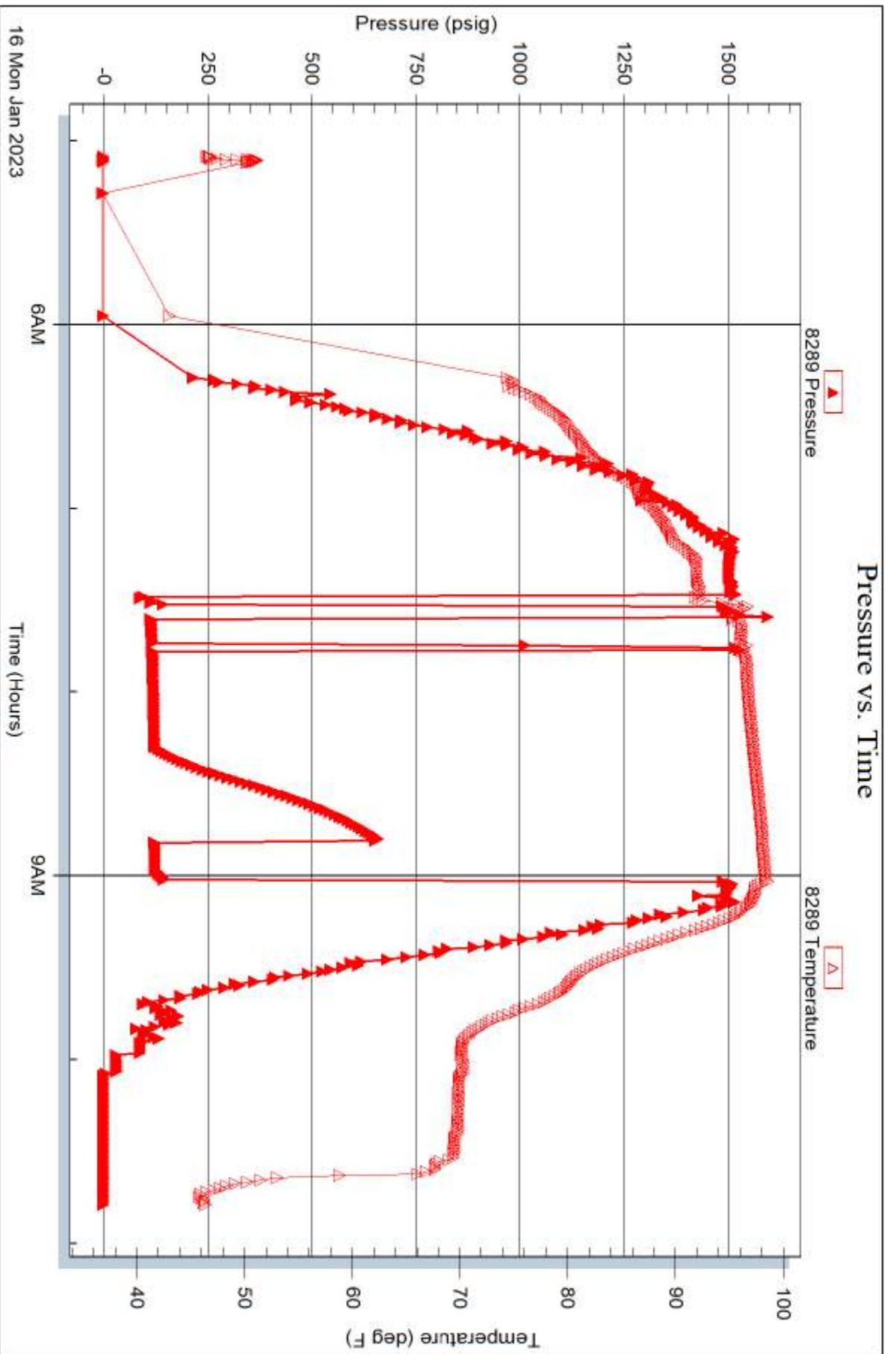
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Tool OSM 10%O 80%M







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

K&N Petroleum Inc.

8-18S-13W/ Barton

1105 Walnut St.

Great Bend KS 67530

Big House 8-1

Job Ticket: 69904

DST#: 2

ATTN: Jim Musgrove

Test Start: 2023.01.16 @ 16:23:05

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:22:15

Time Test Ended: 21:16:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: 3152.00 ft (KB) To 3170.00 ft (KB) (TVD)

Reference Elevations: 1821.00 ft (KB)

Total Depth: 3150.00 ft (KB) (TVD)

1811.00 ft (CF)

Hole Diameter: 7.79 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8355

Press@RunDepth: 42.58 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.01.16

End Date: 2023.01.16

Last Calib.: 1899.12.30

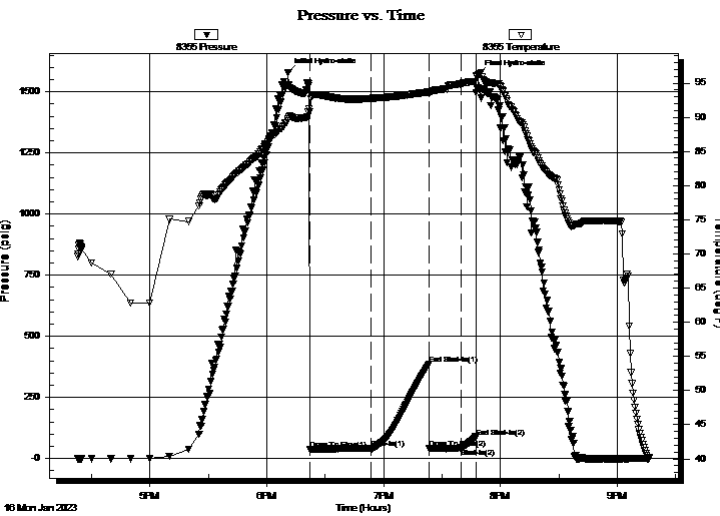
Start Time: 16:23:05

End Time: 21:16:29

Time On Btm: 2023.01.16 @ 18:11:00

Time Off Btm: 2023.01.16 @ 19:48:45

TEST COMMENT: 30-IF: Fair blow built to 3" after 5 minutes faded off
 30-IS: No blow back
 15-FF: No blow 7 minutes into flow flushed toolset sit 5 minutes then shut in
 5-FSI: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1578.94	89.77	Initial Hydro-static
12	37.63	90.85	Open To Flow (1)
43	40.97	92.74	Shut-In(1)
73	386.75	93.72	End Shut-In(1)
73	41.17	93.52	Open To Flow (2)
89	42.58	94.89	Shut-In(2)
97	88.34	95.28	End Shut-In(2)
98	1568.21	96.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	MUD 100%M	0.30

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

K&N Petroleum Inc.

8-18S-13W/ Barton

1105 Walnut St.

Great Bend KS 67530

Big House 8-1

Job Ticket: 69904

DST#: 2

ATTN: Jim Musgrove

Test Start: 2023.01.16 @ 16:23:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	MUD 100%M	0.300

Total Length: 61.00 ft Total Volume: 0.300 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Flushed tool 7 minutes into FF



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

K&N Petroleum Inc.

8-18S-13W/ Barton

1105 Walnut St.

Great Bend KS 67530

Big House 8-1

Job Ticket: 69905

DST#: 3

ATTN: Jim Musgrove

Test Start: 2023.01.16 @ 05:15:00

GENERAL INFORMATION:

Formation: **Lansing "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:55:15

Time Test Ended: 13:59:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: 3185.00 ft (KB) To 3220.00 ft (KB) (TVD)

Reference Elevations: 1821.00 ft (KB)

Total Depth: 3220.00 ft (KB) (TVD)

1811.00 ft (CF)

Hole Diameter: 7.79 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8355 Outside

Press@RunDepth: 541.99 psig @ 3191.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.01.16

End Date: 2023.01.16

Last Calib.: 2023.01.16

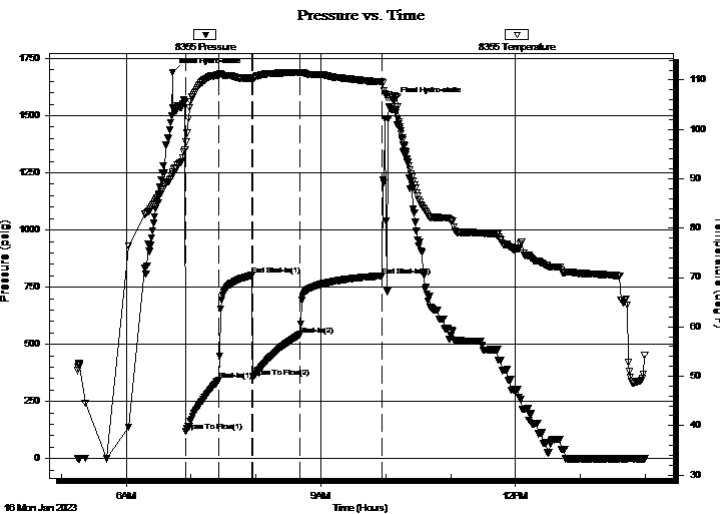
Start Time: 05:15:05

End Time: 13:59:45

Time On Btm: 2023.01.16 @ 06:43:00

Time Off Btm: 2023.01.16 @ 10:07:15

TEST COMMENT: 30-IF: Strong blow BOB in a minute and a half built to 310 EM psi
 30-ISI: No blow back
 45-FF: Strong blow BOB in 2 minutes Built to 537EMpsi
 60-FSI: Fair blow back BOB in 14 minutes built to 45"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1689.22	91.05	Initial Hydro-static
13	118.85	97.39	Open To Flow (1)
43	343.35	111.09	Shut-In(1)
74	801.36	110.31	End Shut-In(1)
75	357.34	109.93	Open To Flow (2)
118	541.99	111.52	Shut-In(2)
194	799.49	109.62	End Shut-In(2)
205	1560.95	106.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
252.00	GWM 5%G 90%W 5%M	3.53
315.00	GOMW 50%G 40%O 5%W 5%M	4.42
315.00	OGWM 30%G 60%O 5%W 5%M	4.42
378.00	GOMW 35%G 40%O 10%W 15%M	5.30
0.00	1764 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

FLUID SUMMARY

K&N Petroleum Inc.

8-18S-13W/ Barton

1105 Walnut St.

Great Bend KS 67530

Big House 8-1

Job Ticket: 69905

DST#: 3

ATTN: Jim Musgrove

Test Start: 2023.01.16 @ 05:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
252.00	GWM 5%G 90%W 5%M	3.535
315.00	GOMW 50%G 40%O 5%W 5%M	4.419
315.00	OGWM 30%G 60%O 5%W 5%M	4.419
378.00	GOMW 35%G 40%O 10%W 15%M	5.302
0.00	1764 GIP 100%G	0.000

Total Length: 1260.00 ft Total Volume: 17.675 bbl

Num Fluid Samples: 0

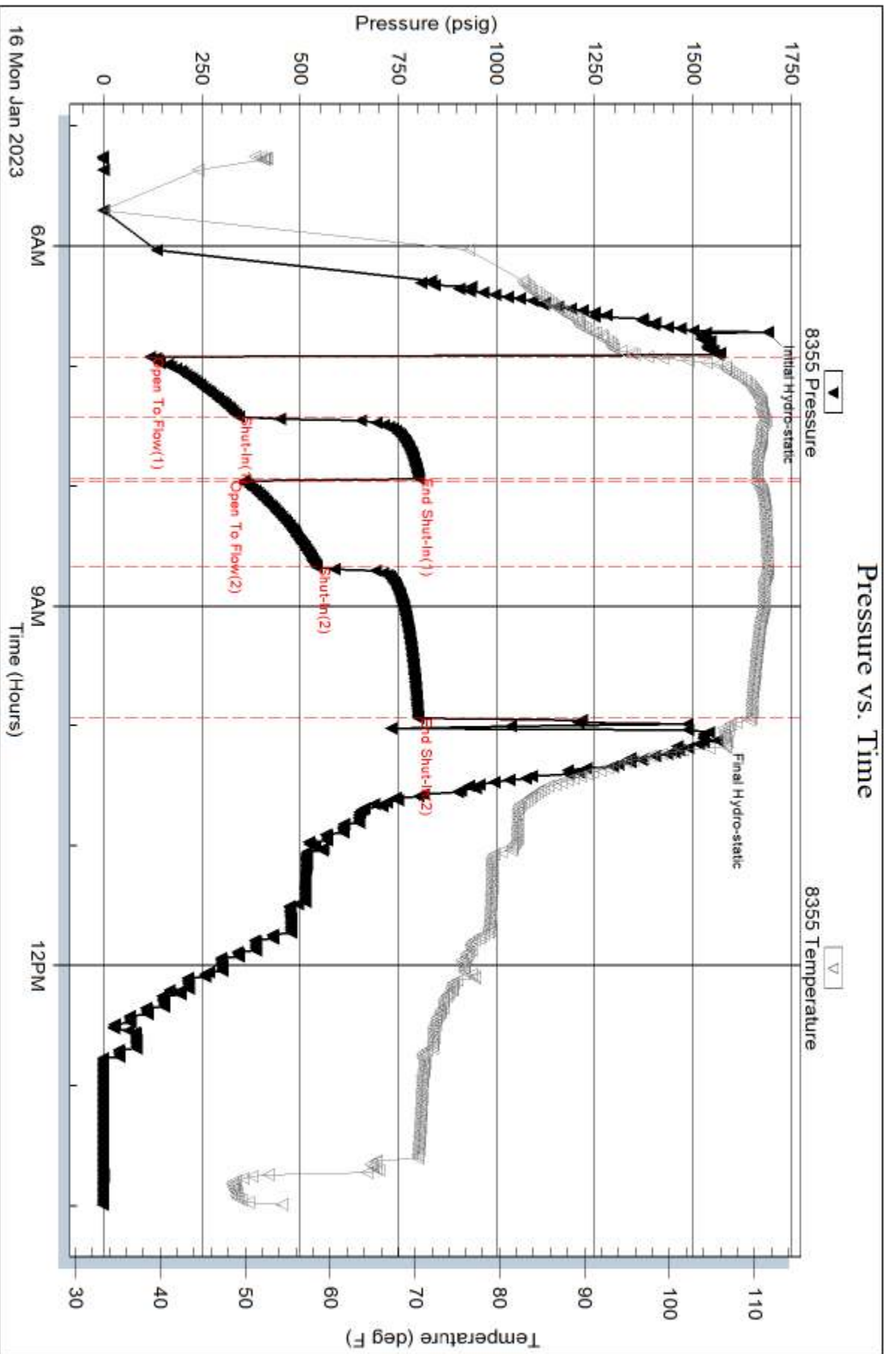
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

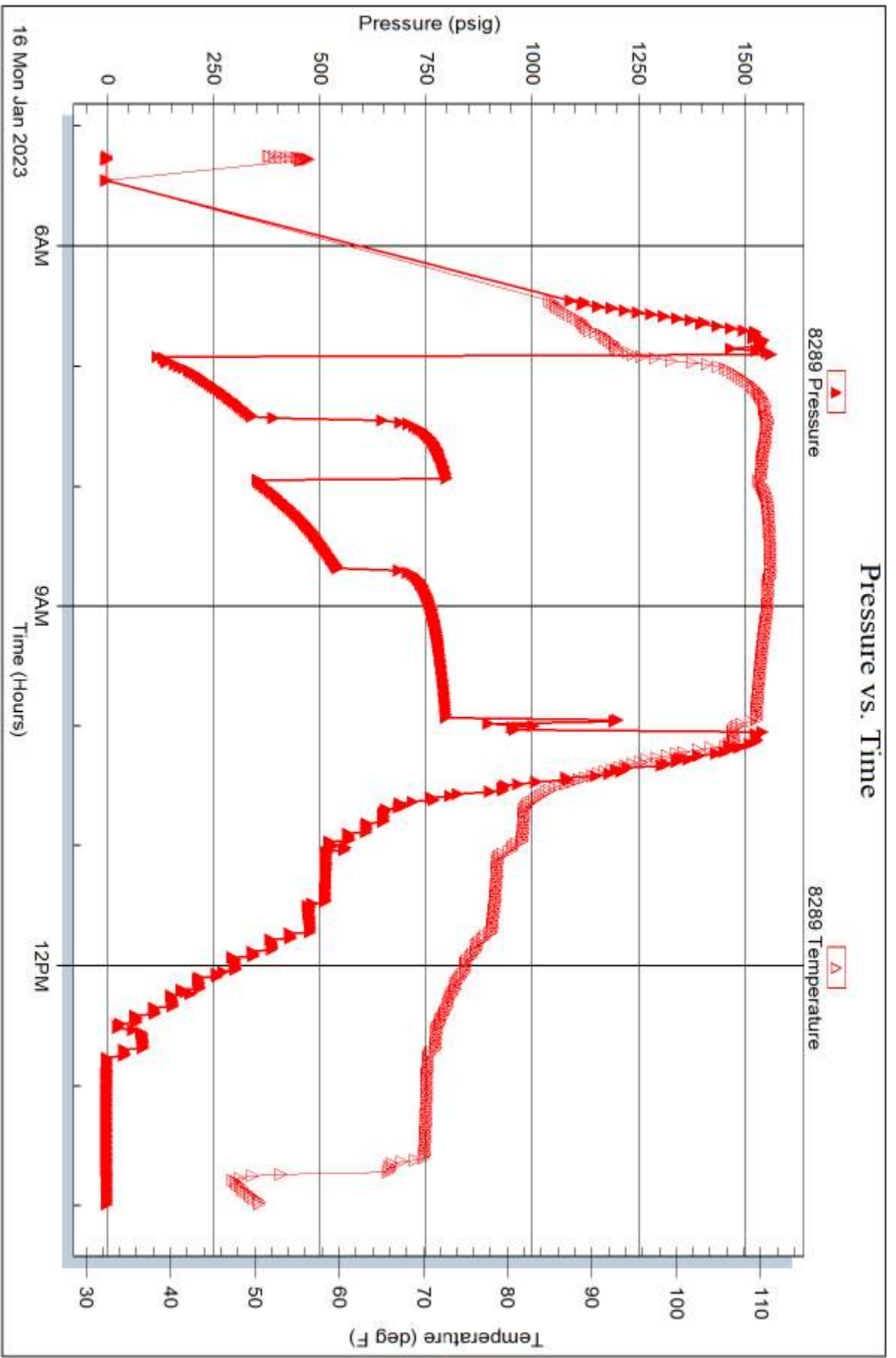


Serial #: 8289

Outside K&N Petroleum Inc.

Big House 8-1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 69905

Printed: 2023.01.17 @ 17:04:45



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

K&N Petroleum Inc.

8-18S-13W/ Barton

1105 Walnut St.

Great Bend KS 67530

Big House 8-1

Job Ticket: 69907

DST#: 5

ATTN: Jim Musgrove

Test Start: 2023.01.18 @ 13:44:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:25:15

Time Test Ended: 20:38:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: 3283.00 ft (KB) To 3320.00 ft (KB) (TVD)

Reference Elevations: 1821.00 ft (KB)

Total Depth: 3320.00 ft (KB) (TVD)

1811.00 ft (CF)

Hole Diameter: 7.79 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8355

Press@RunDepth: 78.04 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.01.18

End Date: 2023.01.18

Last Calib.: 1899.12.30

Start Time: 13:44:05

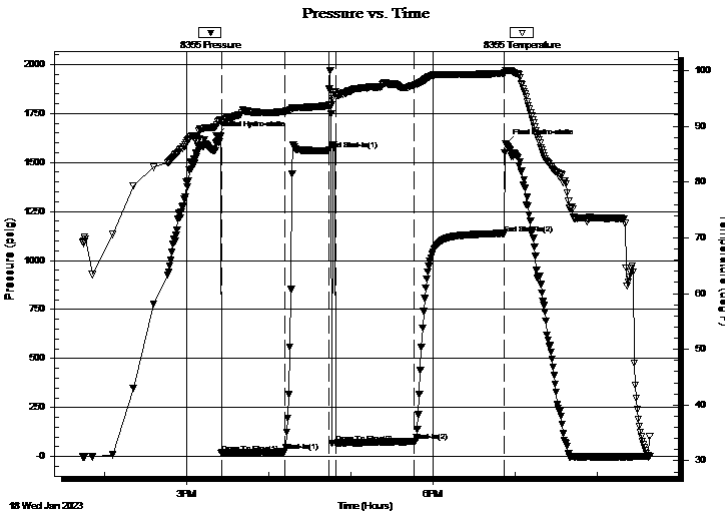
End Time: 20:38:14

Time On Btm: 2023.01.18 @ 15:21:45

Time Off Btm: 2023.01.18 @ 18:53:15

TEST COMMENT: 45-IF: Weak blow built to 2.9"
30-ISI: No blow back
60-FF: Fair blow built to 10.2"
60-FSI: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1637.71	89.91	Initial Hydro-static
4	17.71	90.73	Open To Flow (1)
50	28.37	92.68	Shut-In(1)
82	1564.86	93.70	End Shut-In(1)
88	68.82	95.54	Open To Flow (2)
145	78.04	97.34	Shut-In(2)
210	1138.09	99.45	End Shut-In(2)
212	1594.30	100.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
43.00	GOM 5%G 35%O 60%M	0.60
43.00	OCCM 10%G 45% O M45%	0.60
44.00	GOCM	0.62
4.00	CO 100%O	0.06

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

K&N Petroleum Inc.

8-18S-13W/ Barton

1105 Walnut St.

Great Bend KS 67530

Big House 8-1

Job Ticket: 69907

DST#: 5

ATTN: Jim Musgrove

Test Start: 2023.01.18 @ 13:44:00

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
43.00	GOM 5%G 35%O 60%M	0.603
43.00	OCGM 10%G 45% O M45%	0.603
44.00	GOCM	0.617
4.00	CO 100%O	0.056

Total Length: 134.00 ft

Total Volume: 1.879 bbl

Num Fluid Samples: 0

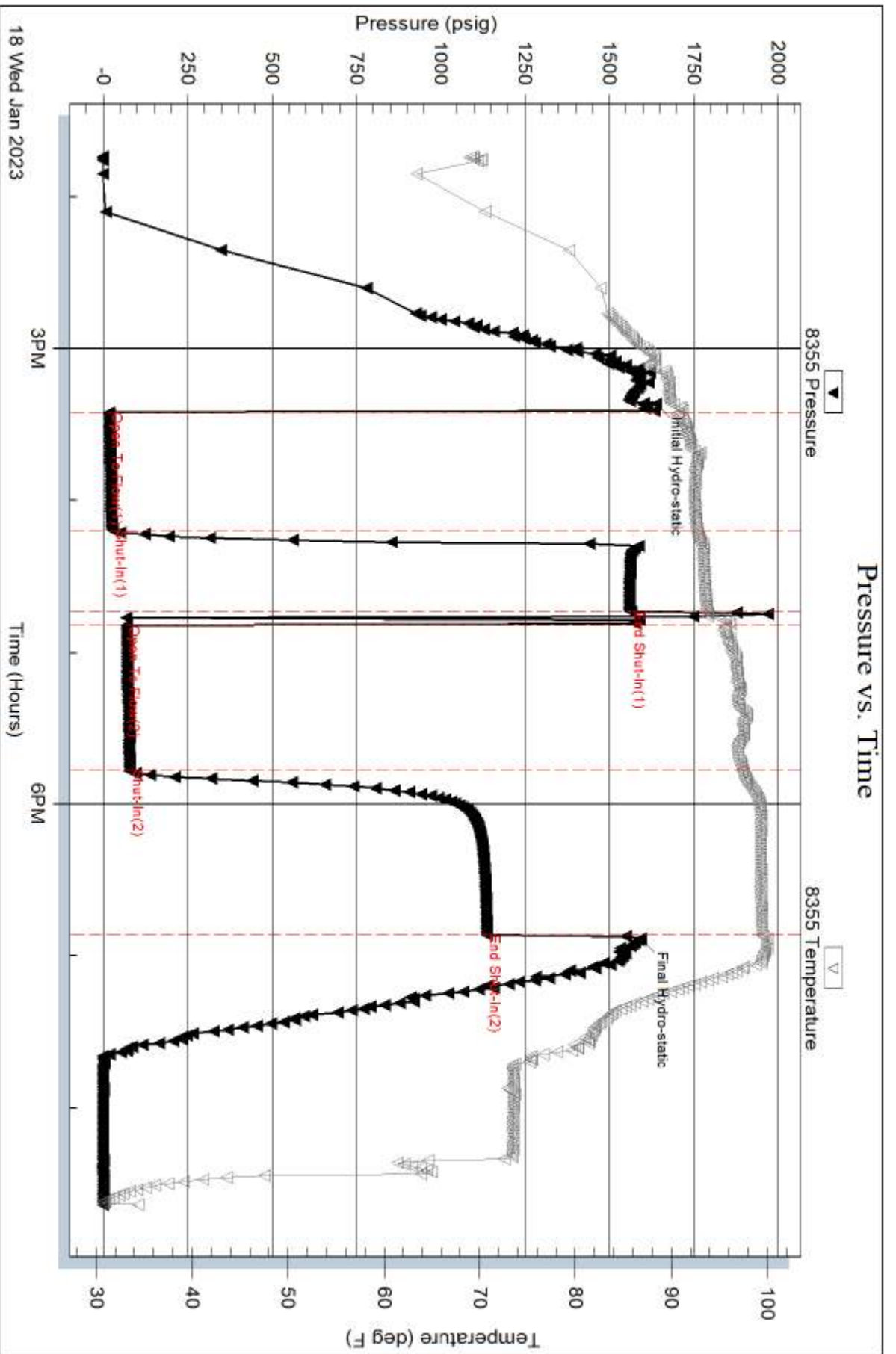
Num Gas Bombs: 0

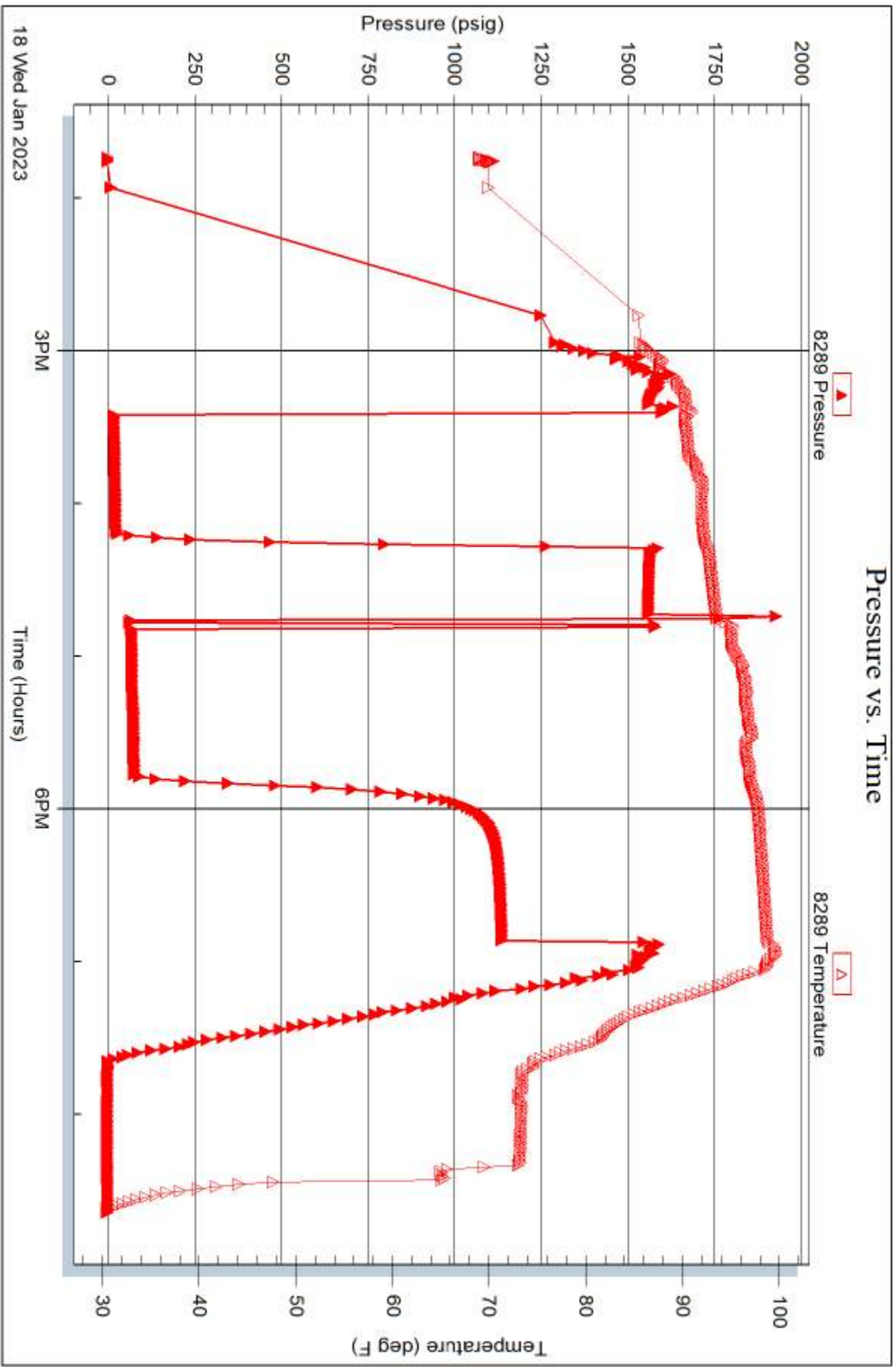
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





OPERATOR

Company: KN Petroleum, Inc.
 Address: 1105 Walnut Street
 Great Bend, Kansas 67530

Contact Geologist: Jim Musgrove
 Contact Phone Nbr: 620-786-0839
 Well Name: Big House 8-1
 Location: 8-18s-13w NW-NW-SE-SE
 API: 15-009-26378-00-00
 Pool:
 State: Kansas

Field: Boyd
 Country: USA

**PETROLEUM, INC.**

Scale 1:240 Imperial

Well Name: Big House 8-1
 Surface Location: 8-18s-13w NW-NW-SE-SE
 Bottom Location:
 API: 15-009-26378-00-00
 License Number: 3208
 Spud Date: 1/11/2023 Time: 12:00 AM
 Region: Barton
 Drilling Completed: 1/19/2023 Time: 12:00 AM
 Surface Coordinates: 1165' FSL & 1118' FEL
 Bottom Hole Coordinates:
 Ground Elevation: 1811.00ft
 K.B. Elevation: 1821.00ft
 Logged Interval: 2700.00ft To: 3372.00ft
 Total Depth: 3370.00ft
 Formation: Arbuckle
 Drilling Fluid Type: Chemical/Fresh Water Gel

CASING SUMMARY

	Surface	Intermediate	Main		
Bit Size					
Hole Size					
	Size	Set At	Type	# of Joints	Drilled Out At
Surf Casing	8 5/8" in	736' ft			
Int Casing					
Prod Casing	5 1/2" in	3360 ft			

CASING SEQUENCE

Type	Hole Size	Casing Size	At
	0.00 in	0.00	0.00 ft

OPEN HOLE LOGS

Logging Company: ELI
 Logging Engineer: Jeff Luebbers
 Truck #:
 Logging Date: Time Spent:
 # Logs Run: 0 # Logs Run Successful: 0

LOGS RUN

Tool	Logged Interval	Logged Interval	Hours	Remarks	Run #
	0.00ft	0.00ft	0.00		0

LOGGING OPERATION SUMMARY

LOGGING OPERATION SUMMARY

Date	From	To	Description Of Operation
12/5/2007	0.00ft	0.00ft	

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude:
 Latitude:
 N/S Co-ord: 1165' FSL
 E/W Co-ord: 1118' FEL

LOGGED BY



Company: James C Musgrove Petroleum LLC
 Address: 212 Main Street/PO Box 215
 Claflin, KS 67525

Phone Nbr: 620-588-4250 620-786-0839
 Logged By: KLG #307

Name: James C Musgrove

CONTRACTOR

Contractor:	Southwind Drilling		
Rig #:	1		
Rig Type:	mud rotary		
Spud Date:	1/11/2023	Time:	12:00 AM
TD Date:	1/19/2023	Time:	12:00 AM
Rig Release:		Time:	

ELEVATIONS

K.B. Elevation: 1821.00ft Ground Elevation: 1811.00ft
 K.B. to Ground: 10.00ft

NOTES

Remarks:

5 1/2' production casing set and cemented on the K&N Petroleum, Inc., Big House #8-1.

Respectfully Submitted,

James C Musgrove
 Petroleum Geologist

well comparison sheet

	BIG HOUSE #8-1 K&N PETROLEUM INC. NW-NSW-SE-SE 8-18s-13w 1821 KB				ROBISON #3 PACIFIC WESTERN SW-SE-SE 8-18s-13w 1815 KB				ROBISON #4 PACIFIC WESTERN NE-SW-SE 8-18s-13w 1818 KB			
	Log	Sub-Sea	Sample	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Formation												
Anhydrite	747	1074										
Base Anhydrite	762	1059										
Heebner	2969	-1148										
Toronto	2980	-1159			2983	-1168	9		2990	-1172		13
Douglas	2995	-1174										
Brown Lime	3051	-1230							3060	-1242		12
Lansing	3061	-1240			3065	-1250	10		3075	-1257	-1257	17
Base Kansas City	3288	-1467										
Complanata	3284	-1473										

Conglomerate	3294	-1473											
Azbuckle	3309	-1488			3294	-1479			-9	3302	-1484	-1484	-4
Rotary Total Depth	3370	-1549											



DRILL STEM TEST REPORT

K&N Petroleum Inc. **8-18S-13W/ Barton**
 1105 Walnut St. Great Bend KS 67530 **Big House 8-1**
 ATTN: Jim Musgrove Job Ticket: 69903 **DST#: 1**
 Test Start: 2023.01.16 @ 05:05:00

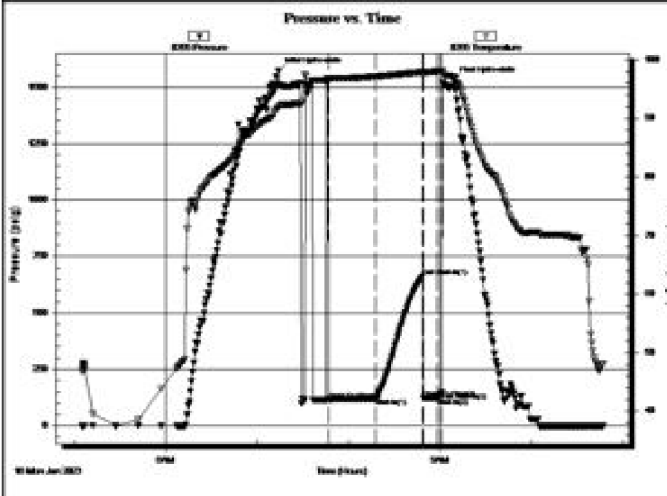
GENERAL INFORMATION:

Formation: **Lansing "A-F"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:47:00
 Time Test Ended: 10:47:15
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Richie Samora
 Unit No: 66
 Interval: **3058.00 ft (KB) To 3150.00 ft (KB) (TVD)**
 Reference Elevations: 1821.00 ft (KB)
 Total Depth: 3150.00 ft (KB) (TVD) 1811.00 ft (CF)
 Hole Diameter: 7.79 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 8355

Press@RunDepth: 122.91 psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2023.01.16 End Date: 2023.01.16 Last Calib.: 1899.12.30
 Start Time: 05:05:05 End Time: 10:47:14 Time On Btm: 2023.01.16 @ 07:14:00
 Time Off Btm: 2023.01.16 @ 09:08:45

TEST COMMENT: 30-IF: Tool slid 25' tool opened - re-seated tool had 1" blow - flushed tool - Weak blow built to 1.5"
 30-IST: No blow back
 10-FF: No blow
 5-FSI: No blow back



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1572.86	91.84	Initial Hydro-static
33	117.49	96.73	Open To Flow (1)
64	121.82	97.15	Shut-In(1)
95	662.16	97.88	End Shut-In(1)
96	122.69	97.77	Open To Flow (2)
104	122.91	98.03	Shut-In(2)
108	146.15	98.10	End Shut-In(2)
115	1533.18	97.06	Final Hydro-static

Length (ft)	Description	Volume (bbl)
81.00	MUD 100%M	0.58

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



DRILL STEM TEST REPORT

K&N Petroleum Inc. **8-18S-13W/ Barton**
 1105 Walnut St. Great Bend KS 67530 **Big House 8-1**



ATTN: Jim Musgrove

Job Ticket: 69904

DST#: 2

Test Start: 2023.01.16 @ 16:23:05

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:22:15

Time Test Ended: 21:16:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: 3152.00 ft (KB) To 3170.00 ft (KB) (TVD)

Reference Elevations: 1821.00 ft (KB)

Total Depth: 3150.00 ft (KB) (TVD)

1811.00 ft (CF)

Hole Diameter: 7.79 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8355

Press@RunDepth: 42.58 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.01.16

End Date: 2023.01.16

Last Calib.: 1899.12.30

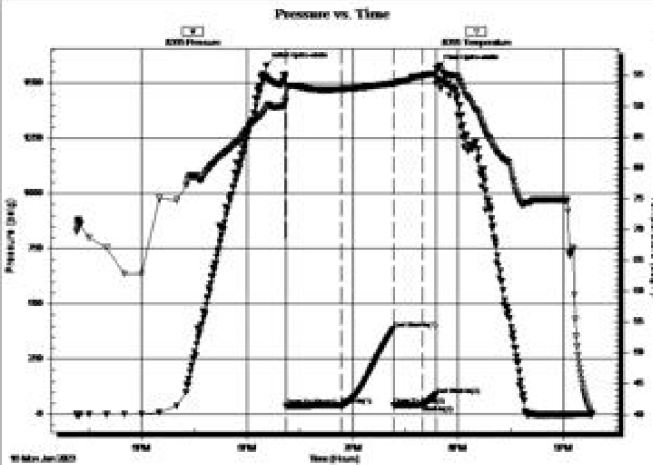
Start Time: 16:23:05

End Time: 21:16:29

Time On Btm: 2023.01.16 @ 18:11:00

Time Off Btm: 2023.01.16 @ 19:48:45

TEST COMMENT: 30-IF: Fair blow built to 3" after 5 minutes faded off
30-IS: No blow back
15-FF: No blow 7 minutes into flow flushed toilet sit 5 minutes then shut in
5-FSI: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1578.94	89.77	Initial Hydro-static
12	37.63	90.85	Open To Flow (1)
43	40.97	92.74	Shut-In(1)
73	386.75	93.72	End Shut-In(1)
73	41.17	93.52	Open To Flow (2)
89	42.58	94.89	Shut-In(2)
97	88.34	95.28	End Shut-In(2)
98	1568.21	96.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	MUD 100%M	0.30

Gas Rates

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

* Recovery from multiple tests

TriLOBITE TESTING, INC.

Ref No: 69904

Printed: 2023.01.16 07:41:40



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

K&N Petroleum Inc.

8-18S-13W/ Barton

1105 Walnut St.

Great Bend KS 67530

Big House 8-1

ATTN: Jim Musgrove

Job Ticket: 69905

DST#: 3

Test Start: 2023.01.16 @ 05:15:00

GENERAL INFORMATION:

Formation: Lansing "H"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:55:15

Time Test Ended: 13:59:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Richie Samora

Unit No: 66

Interval: 3185.00 ft (KB) To 3220.00 ft (KB) (TVD)

Reference Elevations: 1821.00 ft (KB)

Total Depth: 3220.00 ft (KB) (TVD)

1811.00 ft (CF)

Hole Diameter: 7.79 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8355

Outside

Press@RunDepth: 541.99 psig @ 3191.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.01.16 End Date: 2023.01.16

Last Calib.: 2023.01.16

Start Time: 05:15:05 End Time: 13:59:45

Time On Btm: 2023.01.16 @ 06:43:00

Time Off Btm: 2023.01.16 @ 10:07:15

TEST COMMENT: 30-IF: Strong blow BOB in a minute and a half built to 310 EM psi
30-IS: No blow back
45-FF: Strong blow BOB in 2 minutes Built to 537EMpsi
60-FS: Fair blow back BOB in 14 minutes built to 45"

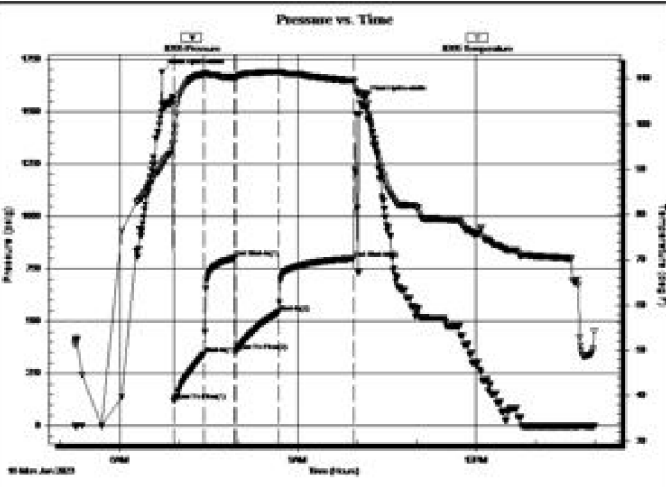


Table with 4 columns: Time (Min.), Pressure (psig), Temp (deg F), Annotation. Contains data points for various test stages.

Recovery table with 3 columns: Length (ft), Description, Volume (bbl). Lists recovery volumes for different fluid types.

Gas Rates table with 4 columns: Choke (inches), Pressure (psig), Gas Rate (Mcf/d). Contains data for gas flow rates.



DRILL STEM TEST REPORT

K&N Petroleum Inc. 8-18S-13W/ Barton,KS
1105 Walnut St. Great Bend KS 67530 Big House #8-1
ATTN: Jim Musgrove Job Ticket: 69906 DST#: 4
Test Start: 2023.01.16 @ 05:05:00

GENERAL INFORMATION:

Formation: Arbuckle
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended:
Interval: 3283.00 ft (KB) To 3320.00 ft (KB) (TVD)
Total Depth: 3320.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Reference Elevations: 1821.00 ft (KB)
1811.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8355

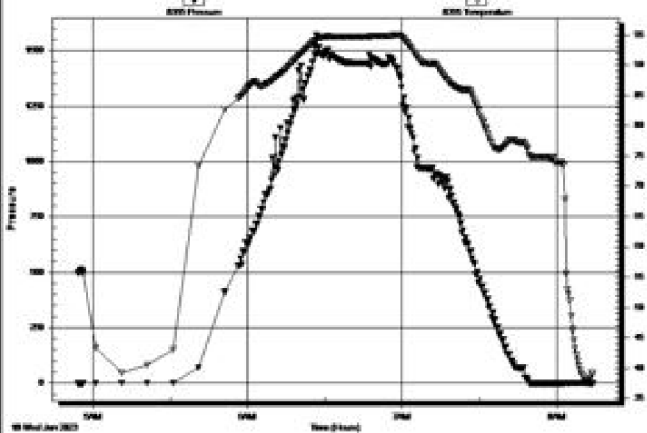
Press@RunDepth: psig @ ft (KB)
Start Date: 2023.01.18 End Date: 2023.01.18
Start Time: 04:54:05 End Time: 08:14:15

Capacity: 8000.00 psig
Last Calib.: 1899.12.30
Time On Btm
Time Off Btm

TEST COMMENT: hit 3 stands and a half stands off bottom approximatley 225"
pulled tool TIH w/bit condition hole try again



Table with 4 columns: Time (Min.), Pressure (psig), Temp (deg F), Annotation (partial view)



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1637.71	89.91	Initial Hydro-static
4	17.71	90.73	Open To Flow (1)
50	28.37	92.68	Shut-In(1)
82	1564.86	93.70	End Shut-In(1)
88	68.82	95.54	Open To Flow (2)
145	78.04	97.34	Shut-In(2)
210	1138.09	99.45	End Shut-In(2)
212	1594.30	100.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcfd)

* Recovery from multiple tests

Trilobite Testing, Inc

Ref. No: 69906

Printed: 2023.01.24 @ 16:06:15



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

K&N Petroleum Inc.

8-18S-13W/ Barton

1105 Walnut St.

Great Bend KS 67530

Big House 8-1

ATTN: Jim Musgrove

Job Ticket: 69907

DST#: 5

Test Start: 2023.01.18 @ 13:44:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:25:15
 Time Test Ended: 20:38:15
 Interval: **3283.00 ft (KB) To 3320.00 ft (KB) (TVD)**
 Total Depth: 3320.00 ft (KB) (TVD)
 Hole Diameter: 7.79 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)
 Tester: Richie Samora
 Unit No: 66
 Reference Elevations: 1821.00 ft (KB)
 1811.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8355

Press@RunDepth: 78.04 psig @ ft (KB)
 Start Date: 2023.01.18 End Date: 2023.01.18
 Start Time: 13:44:05 End Time: 20:38:14

Capacity: 8000.00 psig
 Last Calib.: 1899.12.30
 Time On Btm: 2023.01.18 @ 15:21:45
 Time Off Btm: 2023.01.18 @ 18:53:15

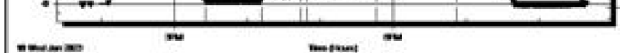
TEST COMMENT: 45-IF: Weak blow built to 2.9"
 30-ISI: No blow back
 60-FF: Fair blow built to 10.2"
 60-FSI: No blow back

Pressure vs Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1637.71	89.91	Initial Hydro-static
4	17.71	90.73	Open To Flow (1)
50	28.37	92.68	Shut-In(1)
82	1564.86	93.70	End Shut-In(1)
88	68.82	95.54	Open To Flow (2)
145	78.04	97.34	Shut-In(2)
210	1138.09	99.45	End Shut-In(2)
212	1594.30	100.01	Final Hydro-static



Recovery		
Length (ft)	Description	Volume (bbl)
43.00	GOM 5%G 35%O 60%M	0.60
43.00	OCCGM 10%G 45% O M45%	0.60
44.00	GOCM	0.62
4.00	CO 100%O	0.06

Gas Rates			
	Choke (Inches)	Pressure (psig)	Gas Rate (Mcfd)

* Recovery from multiple tests

Trilobite Testing, Inc

Ref. No: 69907

Printed: 2023.01.19 @ 07:36:40

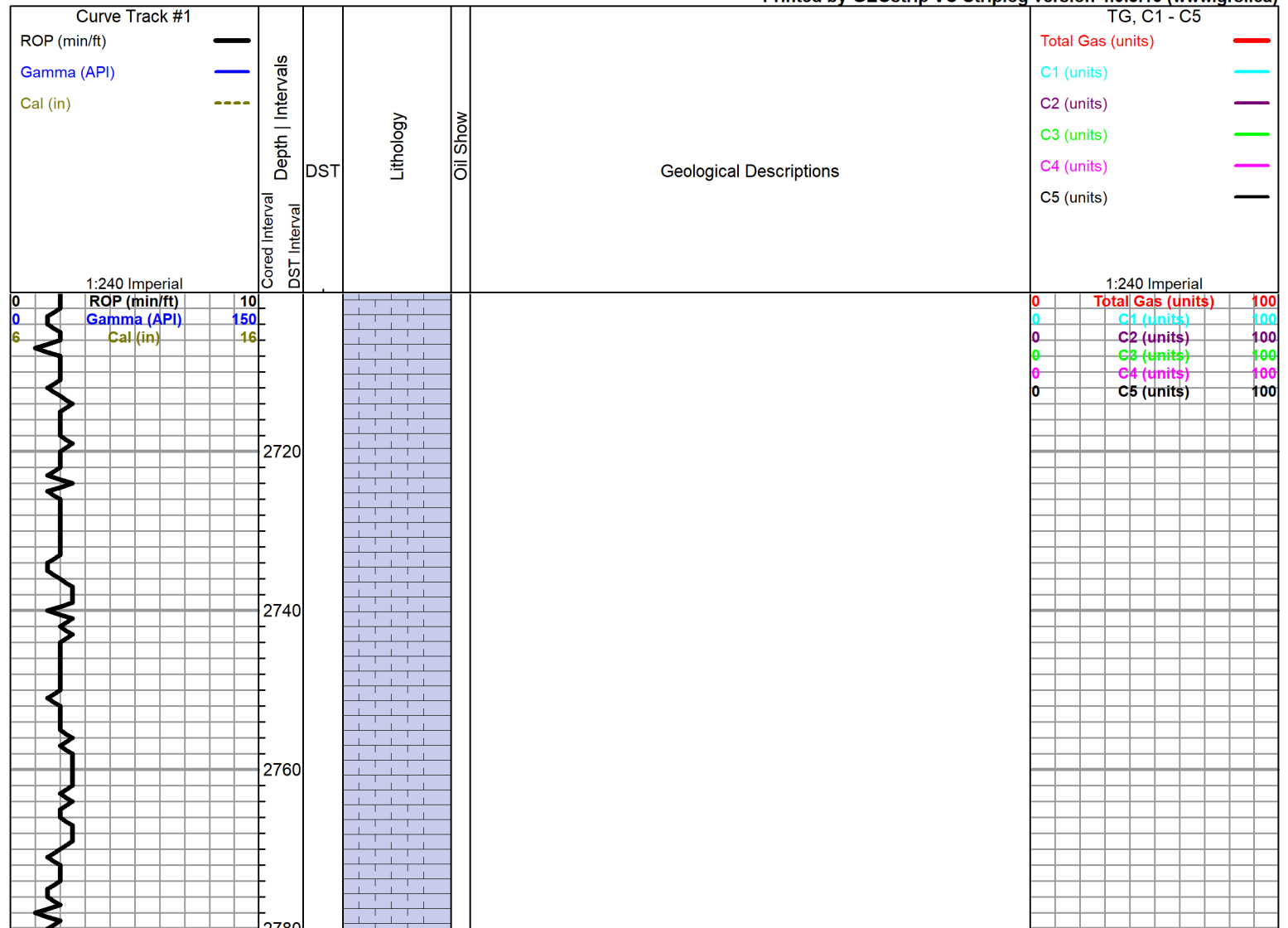
ROCK TYPES

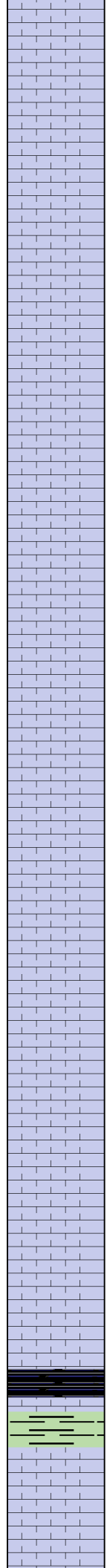
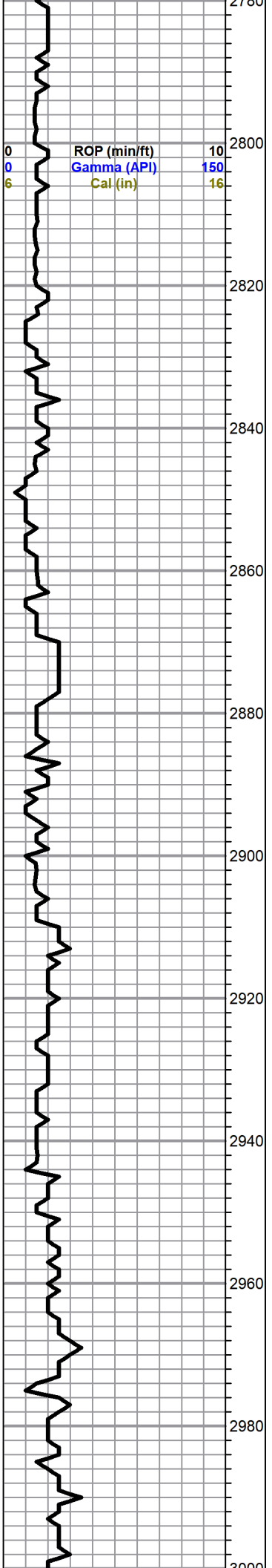
	Cht vari		Dolprim		shale, gry		Stst
	Clystgy		Lmst fw7>		Carbon Sh		
	Chtcong1		shale, grn		shale, red		

OTHER SYMBOLS

INTERVALS	Oil Show	DST
■ Core	● Good Show	■ DST Int
· DST	● Fair Show	■ DST alt
	● Poor Show	■ Core
	○ Spotted or Trace	tail pipe
	○ Questionable Stn	
	D Dead Oil Stn	
	■ Fluorescence	
	* Gas	

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





Limestone,gray,dark gray,chalky

Limestone,gray,dark gray, slightly fossiliferous, dense with gray,boney Chert

Shale,gray,black,soft

Limestone,white,tan,fxln,fossiliferous,chalky

Shale,gray,dark gray

Limestone,tan,gray,fine and medium crystalline,bioclastic,poor visible porosity

Limestone,tan,cream,dense

Limestone,white,gray,cream,sub oomoldic,chalky,poorly developed porosity

Limestone,white,gray, medium crystalline,trace brown to dark brown stain,trace of free oil and no odor

Limestone,tan,fxln,chalky,with abundant Chert,gray,dark gray, boney

HEEBNER 2971(-1150)

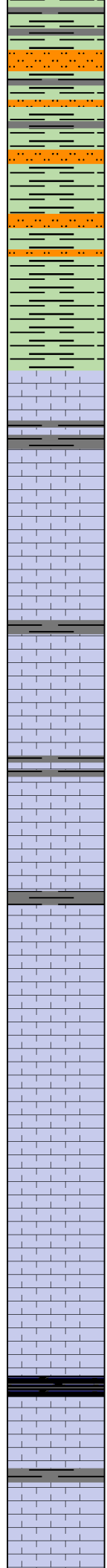
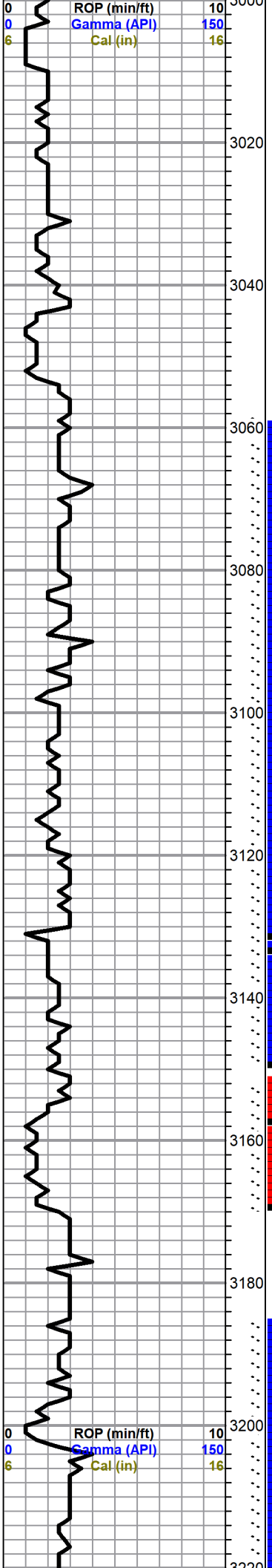
Shale,black,carbonaceous

TORONTO

Limestone,white,cream,fxln,"crumbly",poor visible porosity,light brown stain,no free oil and faint odor in fresh samples

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100
0	C5 (units)	100

DOUGLAS 3000



Shale,gray,grayish green,silty

shale as above

ditto

as above

BROWN LIME 3054

Limestone,tan,brown,fxln,dense

LANSING 3067

Limestone,white,finely crystalline,chalky,poor visible porosity,trace golden brown stain,trace of free oil and faint odor

Limestone,white,gray,chalky, few cherty,dense

Limestone,gray,oolitic/fossiliferous,dense,poor visible porosity,gray to black stain,no free oil and no odor

Limestone,as above,with gray Chert

Limestone,white,tan,fxln,oolitic,poor visible porosity,trace brown and black stain,no show of free oil and faint odor

Limestone,white,cream,tan,oomoldic,fair oomoldic porosity,brown and golden brown stain, show of free oil and faint odor

Limestone,tan,brown,fxln,cherty,dense

as above

Shale,black,carbonaceous

Limestone,white,gray,oomoldic,good oomoldic porosity,brown ,gray and black stain, fair show of free oil and fair odor in fresh samples

Limestone,white,gray,cream,oolitic,chalky in part,poor visible porosity,gray and brown stain, no free oil and faint odor

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100
0	C5 (units)	100

DST#1 3058-3150

30-30-10-5

Blow;Weak (1.5 ")

2nd open;no blow

Recovery;81'mud,10's lightly oil cut mud (10%oil,,90%mud)

Bhp 662-146 psi

Fp 117-122,123-123 psi

HSH 1573-1533 psi

DST #2 3152-3170

30-30-15-5

Blow;weak

Recovery 61' mud

BHP 387-88psi

Fp 38-41,41-43 psi

HSH 1579-1568 psi

DST#3 3185-3220

30-30-45-60

Blow;strong(bob 1.5")

2nd open,strong (bob

2Recovery,1800' gas

in pipe,378'heavily

oil and gas cut

watery mud(35%

gas,40%oil,10%

water,15%mud)

315'slightly mud cut

gassy oil,trace

water.(30%gas,60%

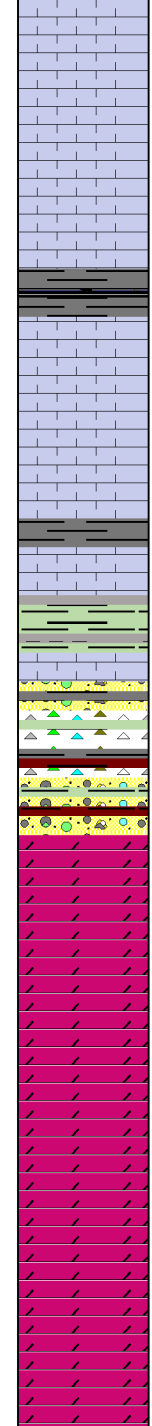
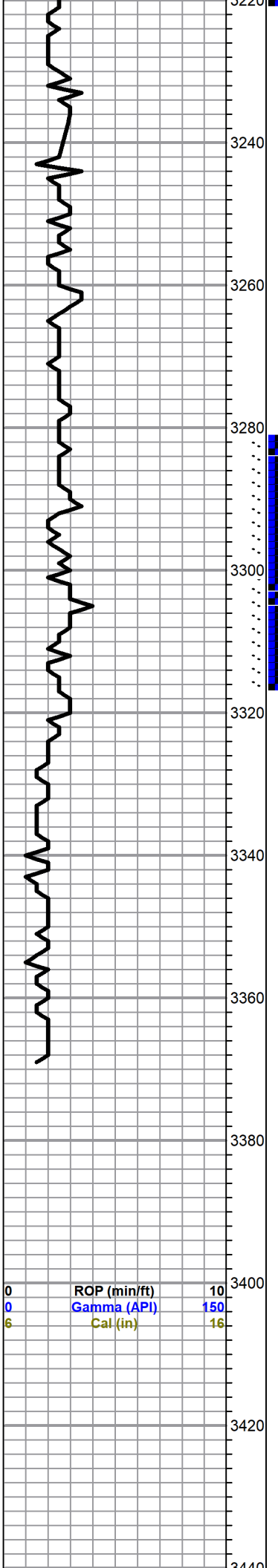
oil,5%water,5%

mud),315'slightly

mud cut gassy

mud,trace of water

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100
0	C5 (units)	100



Limestone, white, gray, cream, oolitic, sub oomoldic, chalky, gray and black and brown stain, trace of free oil and questionable odor

Limestone, gray, white, fossiliferous, trace black stain, no free oil and faint odor
Shale, gray, black

Limestone, white, gray, oolitic, trace brown stain, show of free oil and faint odor

Limestone, white, cream, oolitic, scattered porosity, brown stain and saturation, show of free oil and faint odor

BASE KANSAS CITY 3283

CONGLOMERATE 3292
Chert, white, gray, boney with gray, green, red shales, soft
as above

ARBUCKLE 3308(-1487)
Dolomite, white, cream, medium crystalline, fair intercrystalline porosity, brown and light brown stain, show of free oil and faint odor

Dolomite, as above, fair porosity, spotty brown stain, show of free oil and fair odor, with white chalk

Dolomite, white, cream, fine and medium crystalline, fair porosity, trace stain, trace of free oil and questionable odor

As Above no shows

Dolomite, white, cream, medium crystalline, few sandy, fair porosity..no shows, trace gray and white Chert

ROTARY TOTAL DEPTH 3370(-1549)

(50% gas, 40% oil, 5% mud, less than 5% water, 252' mud and gas cut water (5% gas, 90% water, 5% mud))

BHP 801-799 psi
FP 119-343, 357-542 psi
HSH 1689-1561 psi

DST#4 3283-3320,
Misrun, stacked out 225' from bottom

DST#5 3283-3320
45-30-60-60

Blow; weak (2.9 inches)
2nd Open, Fair (10.2 inches)

Recovery; 5' clean oil, 45' muddy gassy oil (5% gas, 50% oil, 45% mud) 45' muddy gassy oil (10% gas, 45% oil, 60% mud) 43' heavily oil and gas cut mud (5% gas, 35% oil, 60% mud)

BHP 1564** -1138 psi
Fp 17-28, 68-78 psi
HSH 1638-1594 psi

** initial shut in invalid, tool slid on first shut in

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

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100
0	C5 (units)	100

