

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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Home
(785) 798-2400

Andrew Stenzel Geologist

Ness City, Kansas



Cell
(785) 798-5977

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

Well Name: Beaver #1	
API: 15-009-26315-00-00	
Location: Sec. 20-16S-12W (Barton County)	
License Number: 30742	Region: KANSAS
Spud Date: 11/2/21	Drilling Completed: 11/12/21
Surface Coordinates: 763' FSL & 590' FEL	

Bottom Hole Coordinates:	
Ground Elevation (ft): 1921	K.B. Elevation (ft): 1932
Logged Interval (ft): 2600	To: TD
Formation: Arbuckle	Total Depth (ft): 3475
Type of Drilling Fluid: Mud-Co Chemical	

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

OPERATOR

Company: Palomino Petroleum, Inc.
Address: 4924 SE 84th St.
 Newton, KS 67114

GEOLOGIST

Name: Andrew Stenzel
Company: Petroleum Geologist
Address: 501 S. Franklin
 Ness City, KS 67560

Drilling Report

DAILY DRILLING REPORT:

11/2/21 Moved in Murfin Rig #20
 11/3/21 Spudded @ 11:30 am, ran surface casing
 11/4/21 Waiting on cement
 11/5/21 Drilling @ 1420'
 11/6/21 Drilling @ 2250'
 11/7/21 Running wiper trip, DST #1
 11/8/21 DST #2, tripping in hole with bit at 3040'
 11/9/21 DST #3, DST #4
 11/10/21 Tripping out of hole with bit for DST #5, DST #5
 11/11/21 Ran electric logs, DST #6
 11/12/21 Ran production casing

Services

RIG: Murfin Drilling, Rig #20

MUD: MUDCO

LOGS: ELI Wireline; CNDL, ML, DIL, PE

TESTER: Trilobite Testing

Casing Record

SURFACE Casing: Ran 12 jts 8 5/8", 23# casing set at 456'

PRODUCTION Casing: Ran 85 jts new 5 1/2", 17# casing set 6' off bottom at 3446'.

Formation Tops

Sample Tops		LogTops	
Anhy.	830 (+1102)	Anhy.	828 (+1104)
Base Anhy.	855 (+1077)	Base Anhy.	852 (+1080)
Neva	2128 (-196)	Neva	2125 (-193)
Howard	2689 (-757)	Howard	2689 (-757)
Topeka	2729 (-797)	Topeka	2729 (-797)
Heebner	3006 (-1074)	Heebner	3006 (-1074)
Toronto	3024 (-1092)	Toronto	3022 (-1090)
Brown Ls.	3094 (-1162)	Brown Ls.	3092 (-1160)
Lansing	3111 (-1179)	Lansing	3110 (-1178)
BKC	3337 (-1405)	BKC	3340 (-1408)
Arbuckle	3368 (-1436)	Arbuckle	3360 (-1428)
RTD	3475 (-1543)	LTD	3452 (-1543)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84 St
 Newton, KS 67114-8827
 ATTN: Andrew Stenzel

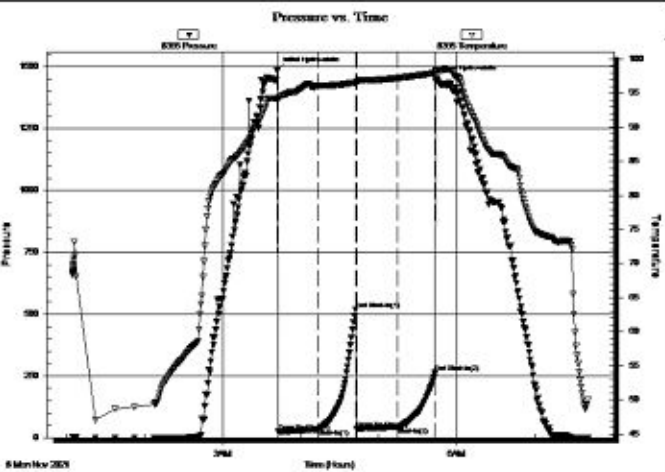
29-16S-12W, Barton, KS
Beaver #1
 Job Ticket: 67954 **DST#: 2**
 Test Start: 2021.11.08 @ 01:05:00

GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:42:47
 Time Test Ended: 07:41:02
 Interval: **3004.00 ft (KB) To 3040.00 ft (KB) (TVD)**
 Total Depth: 2981.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches Hole Condition:
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Kevin Webster
 Unit No: 72
 Reference Elevations: 1932.00 ft (KB)
 1922.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8365 **Inside**
 Press@RunDepth: 43.26 psig @ 3005.00 ft (KB) Capacity: psig
 Start Date: 2021.11.08 End Date: 2021.11.08 Last Calib.: 2021.11.08
 Start Time: 01:05:01 End Time: 07:41:02 Time On Btmr: 2021.11.08 @ 03:41:47
 Time Off Btmr: 2021.11.08 @ 05:43:47

TEST COMMENT: IF- WSB, built to 1" 30 min
 IS- No blow back 30 min
 FF- WSB built to 1" 30 min
 FS- No blow back 30 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1487.09	94.21	Initial Hydro-static
1	23.66	94.03	Open To Flow (1)
32	35.03	96.12	Shut-In(1)
61	518.17	96.53	End Shut-In(1)
62	34.92	96.59	Open To Flow (2)
93	43.26	97.17	Shut-In(2)
122	262.85	97.97	End Shut-In(2)
122	1453.50	98.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	1% Oil 99% Mud	0.30

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84 St
 Newton, KS 67114-8827
 ATTN: Andrew Stenzel

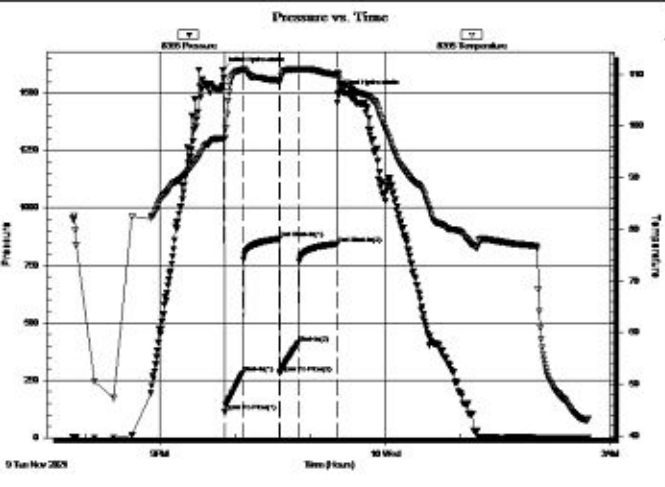
29-16S-12W, Barton, KS
Beaver #1
 Job Ticket: 67955 **DST#: 3**
 Test Start: 2021.11.09 @ 19:50:00

GENERAL INFORMATION:

Formation: **LKC 'D - F'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:51:47
 Time Test Ended: 02:42:02
 Interval: **3148.00 ft (KB) To 3185.00 ft (KB) (TVD)**
 Total Depth: 2981.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches
 Hole Condition:
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Kevin Webster
 Unit No: 72
 Reference Elevations: 1932.00 ft (KB)
 1922.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8365 **Inside**
 Press@RunDepth: 410.74 psig @ 3149.00 ft (KB) Capacity: psig
 Start Date: 2021.11.09 End Date: 2021.11.10 Last Calib.: 2021.11.09
 Start Time: 19:50:01 End Time: 02:42:02 Time On Btm: 2021.11.09 @ 21:50:17
 Time Off Btm: 2021.11.09 @ 23:22:02

TEST COMMENT: IF- Strong blow, BOB 4 min 15 min
 IS- Blow back built to 1.5" 30 min
 FF- Strong blow, BOB 4 min 15 min
 FS- Blow back built to 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1600.94	97.56	Initial Hydro-static
2	112.61	97.58	Open To Flow (1)
16	281.67	110.90	Shut-In(1)
45	865.36	108.77	End Shut-In(1)
46	280.32	108.47	Open To Flow (2)
60	410.74	110.95	Shut-In(2)
92	844.63	109.91	End Shut-In(2)
92	1500.25	110.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	20% water 80% mud	0.61
651.00	95% water 5% mud	8.64

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84 St
 Newton, KS 67114-8827
 ATTN: Andrew Stenzel

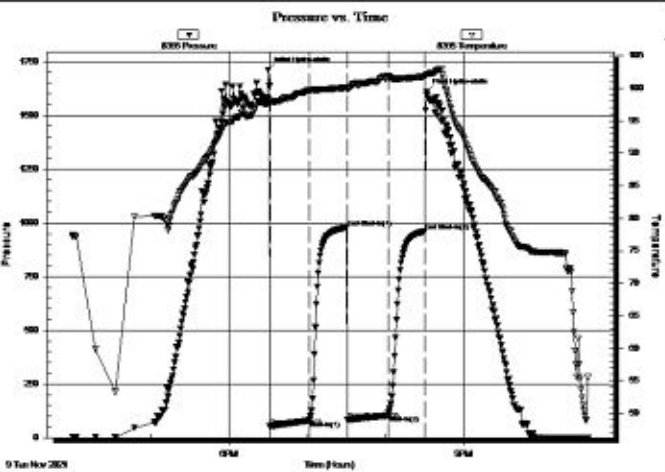
29-16S-12W, Barton, KS
Beaver #1
 Job Ticket: 67956 **DST#: 4**
 Test Start: 2021.11.09 @ 16:00:00

GENERAL INFORMATION:

Formation: **LKC 'H - K'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:31:17
 Time Test Ended: 22:36:02
 Interval: **3227.00 ft (KB) To 3330.00 ft (KB) (TVD)**
 Total Depth: 2981.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Kevin Webster
 Unit No: 72
 Reference Elevations: 1932.00 ft (KB)
 1922.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8365 **Inside**
 Press@RunDepth: 105.02 psig @ 3228.00 ft (KB) Capacity: psig
 Start Date: 2021.11.09 End Date: 2021.11.09 Last Calib.: 2021.11.09
 Start Time: 16:00:01 End Time: 22:36:02 Time On Btm: 2021.11.09 @ 18:30:17
 Time Off Btm: 2021.11.09 @ 20:31:32

TEST COMMENT: IF- WSB built to 2.5" 30 min
 IS- No blow back 30 min
 FF- WSB died in 10 min 30 min
 FS- No blow back 30 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1711.21	97.72	Initial Hydro-static
1	52.68	97.51	Open To Flow (1)
32	81.53	99.62	Shut-In(1)
61	978.02	100.10	End Shut-In(1)
61	82.91	99.79	Open To Flow (2)
92	105.02	101.98	Shut-In(2)
121	960.85	101.85	End Shut-In(2)
122	1606.63	102.09	Final Hydro-static

Recovery


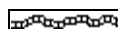
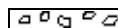
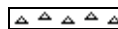
Length (ft)	Description	Volume (bbl)
62.00	100% Mud	0.30


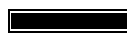


Gas Rates





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

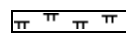
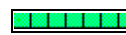
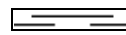
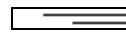
* Recovery from multiple tests





ROCK TYPES

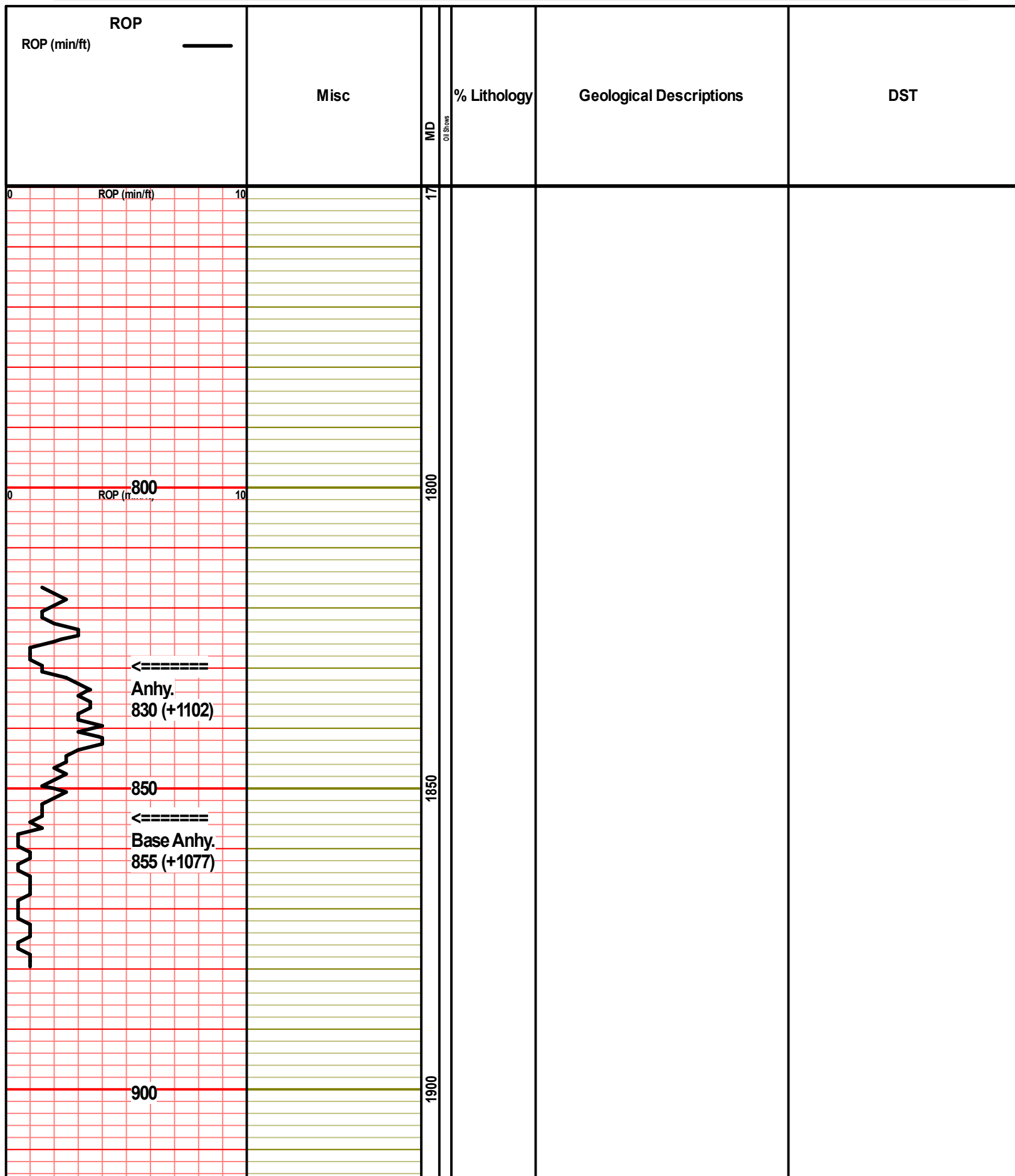
-  Anhy
-  Bent
-  Brec
-  Cht

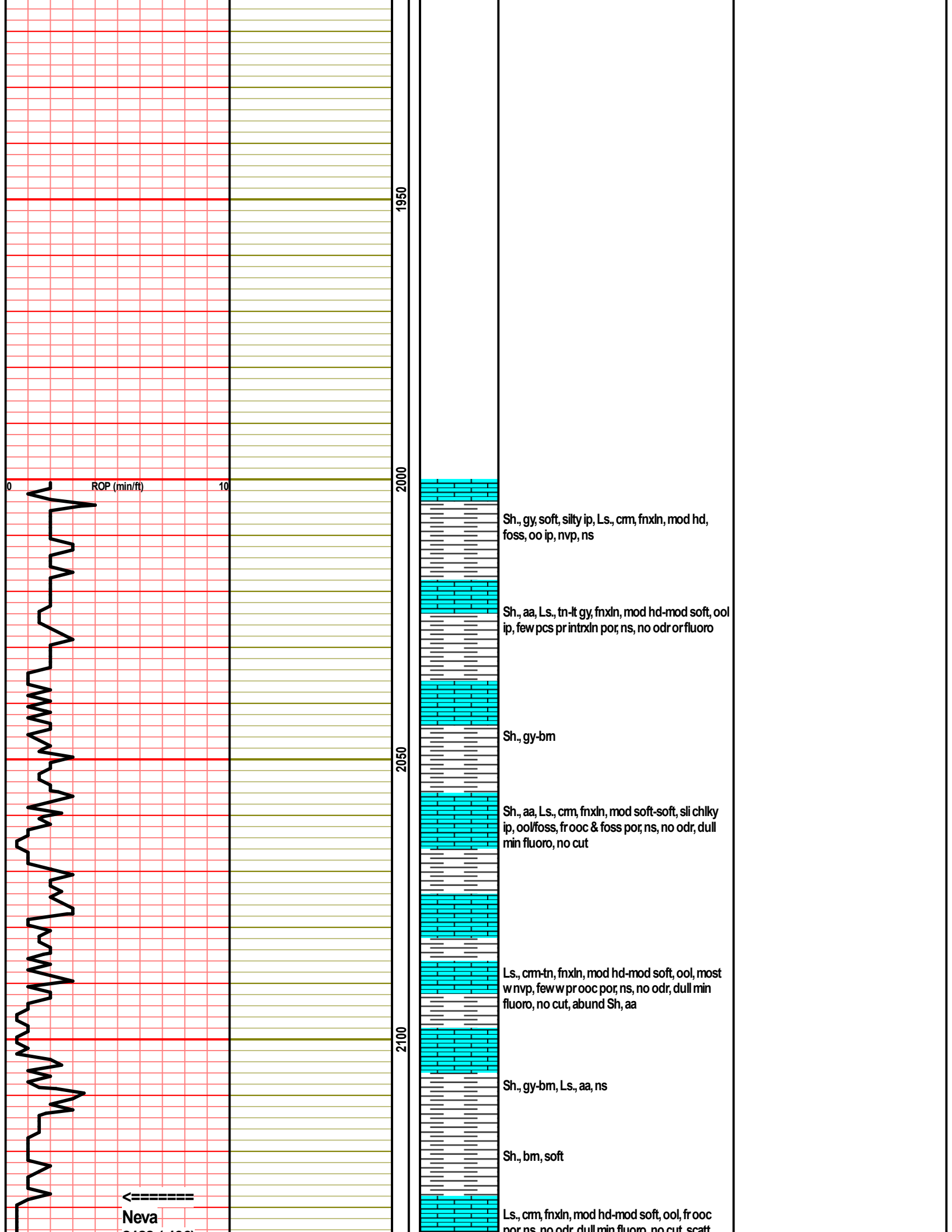
-  Clyst
-  Carb shale
-  Congl
-  Dol

-  Gyp
-  Igne
-  Lmst
-  Meta

-  Mrlst
-  Salt
-  Shale
-  Shcol

-  Shgy
-  Sltst
-  Ss
-  Till





2128 (-196)



po, no, no cut, cut min, no cut, no cut, cut
Sh, aa

2150

2200

2250

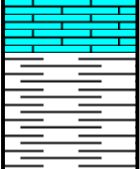
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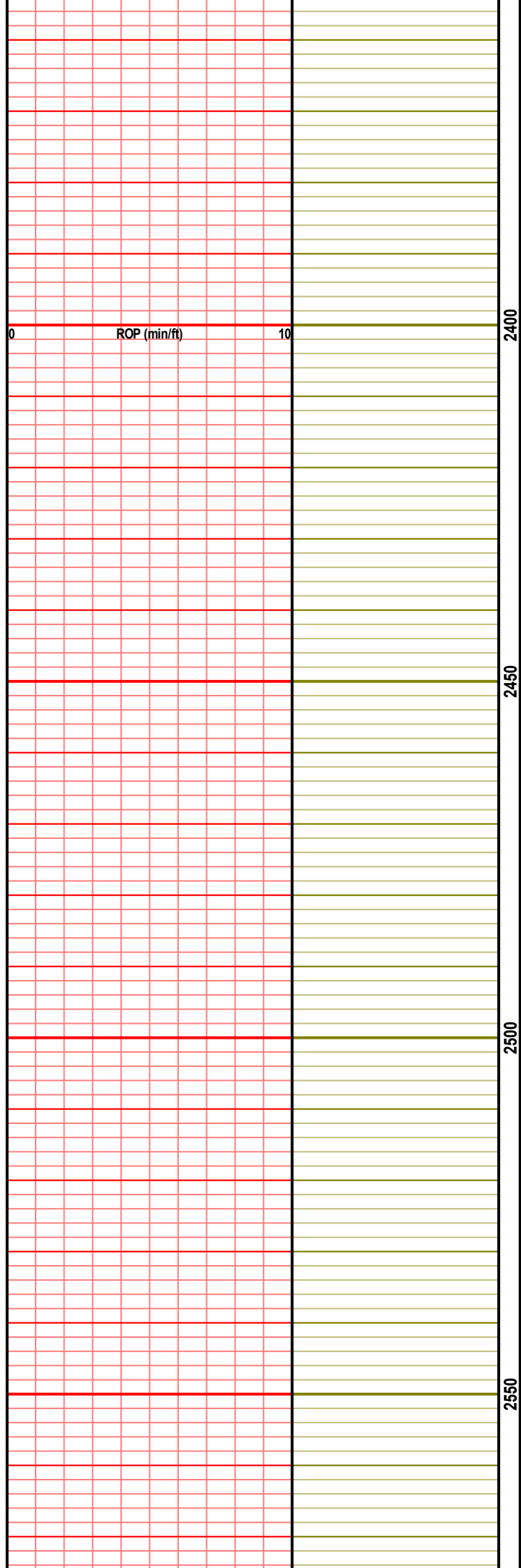
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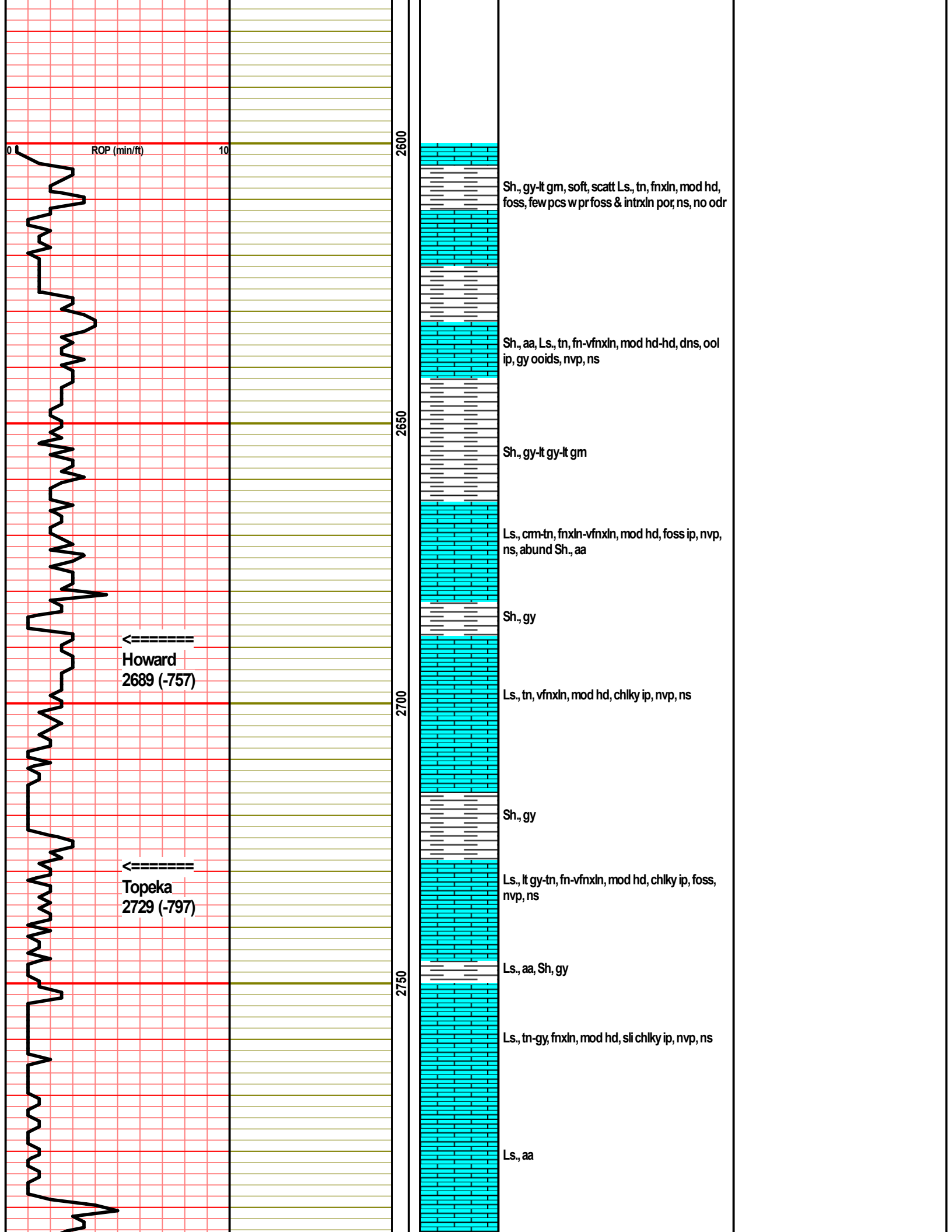
ROP (min/ft)

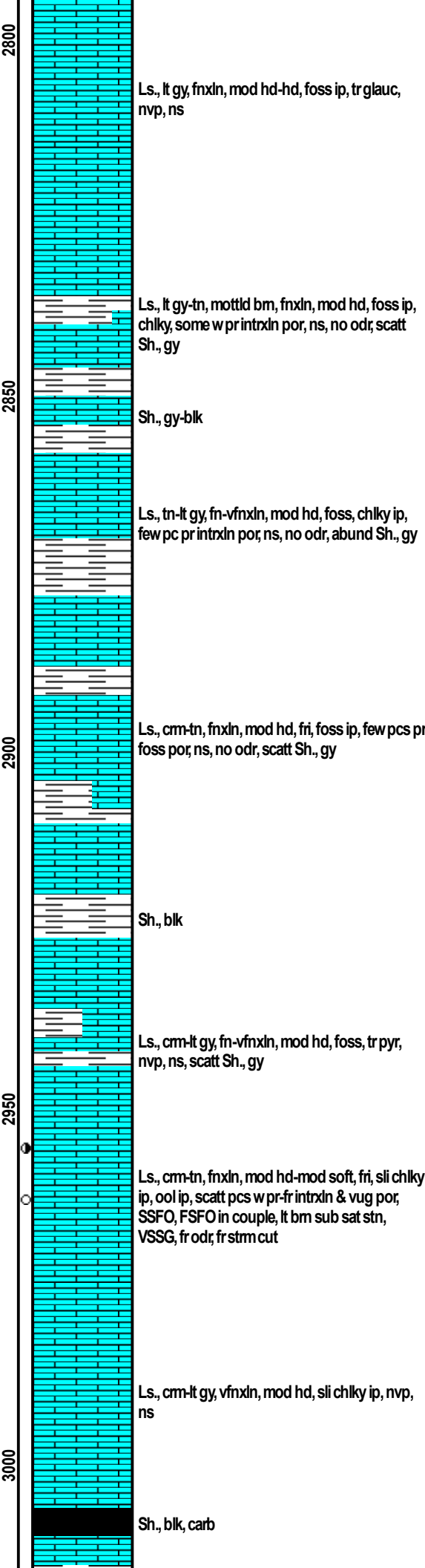
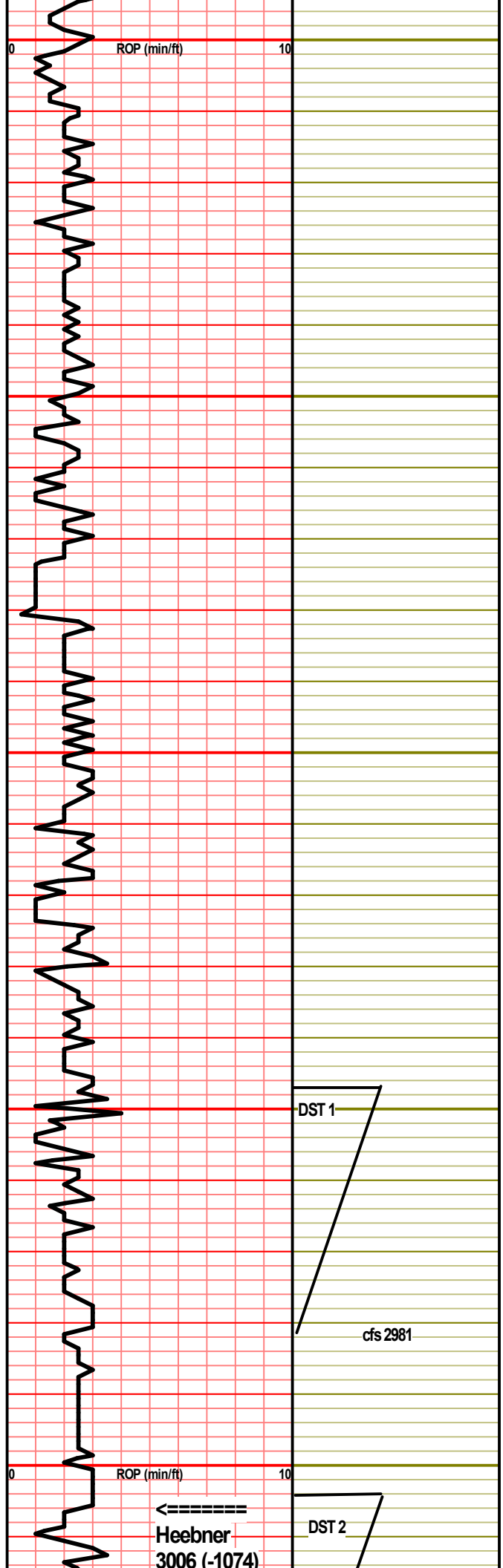
10

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DST #1 2947-2981 (Topeka)

30-30-30-30
 IF: SB, died in 25 min *
 IS: No blow
 FF: WSB, died in 9 min
 FS: No blow

Recovery:
 130' VSOCM (1%O, 99%M)

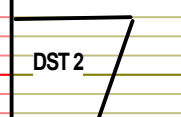
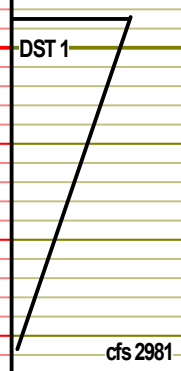
FP: 57-71; 77-82
 SIP: 656-574
 HP: 1428-1396

BHT: 97
 Gravity: -
 Chlor: —

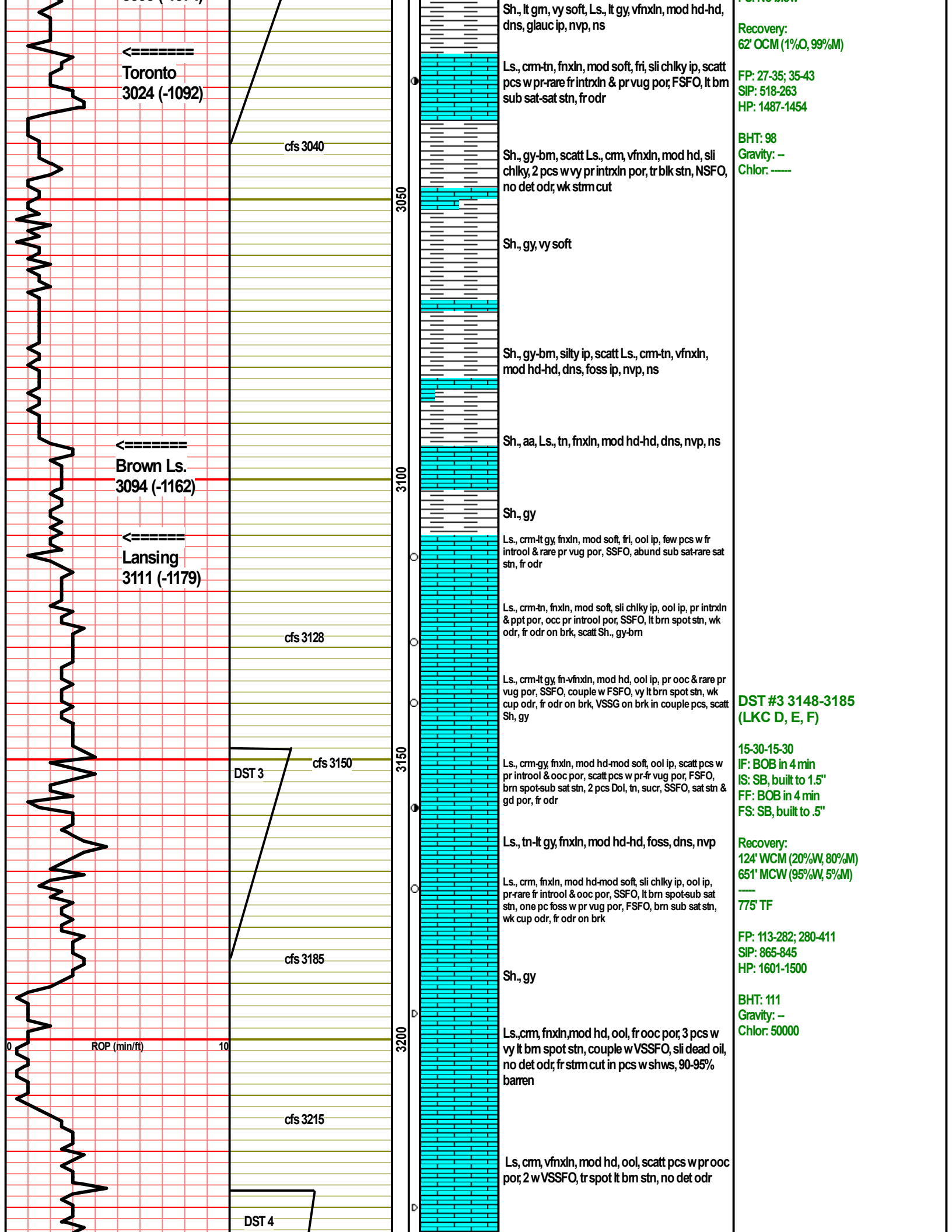
*Tool slid 15', causing stronger blow

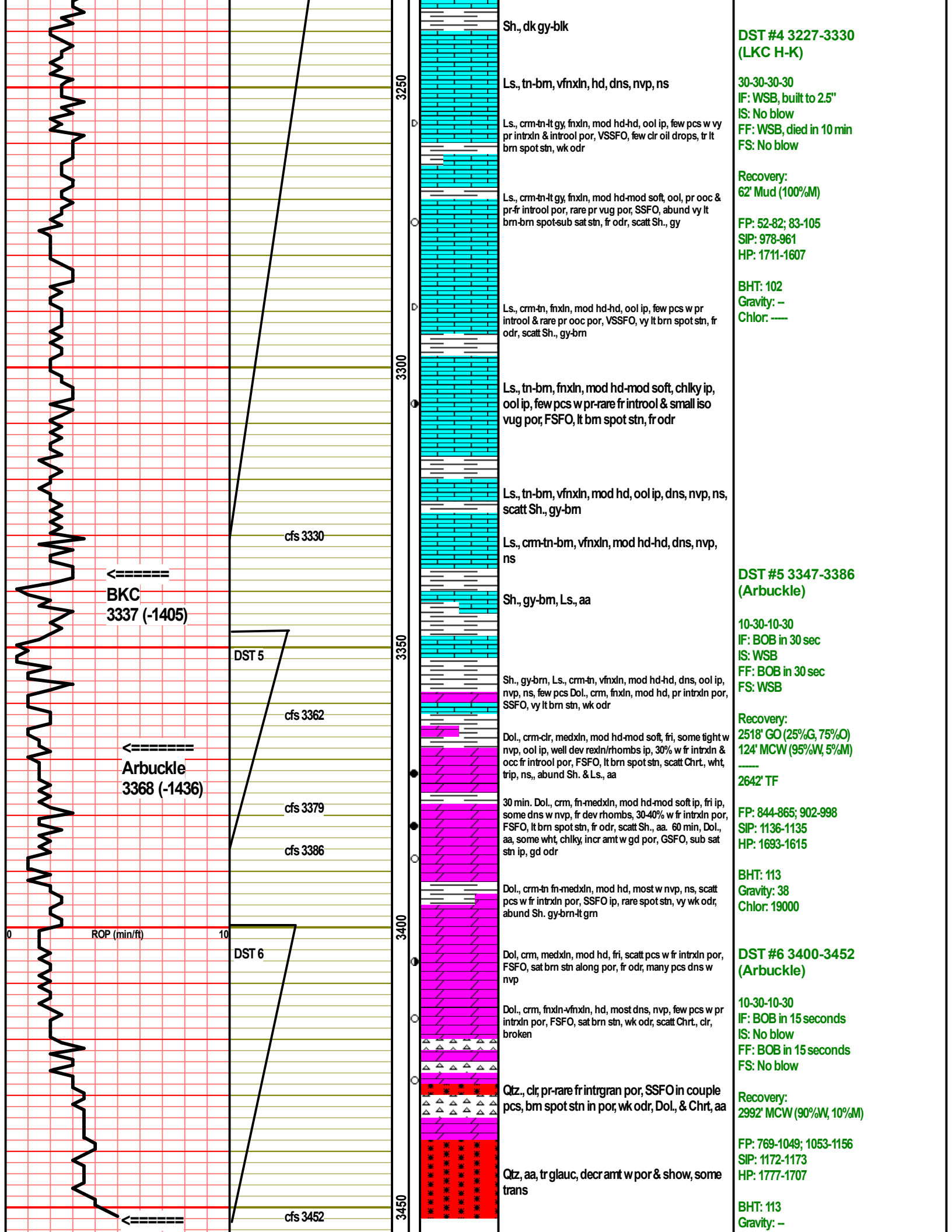
DST #2 3004-3040 (Toronto)

30-30-30-30
 IF: WSB, built to 1"
 IS: No blow
 FF: WSB, built to 1"
 FS: No blow



Heebner
 3006 (-1074)





RTD
3452 (-1520)

Chlor. 19000

00



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84 St
Newton, KS 67114-8827

ATTN: Andrew Stenzel

Beaver #1

29-16S-12W, Barton, KS

Start Date: 2021.11.07 @ 11:35:00

End Date: 2021.11.07 @ 17:23:02

Job Ticket #: 67953 DST #: 1

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

Printed: 2021.11.15 @ 13:54:17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

29-16S-12W, Barton, KS

4924 SE 84 St
New ton, KS 67114-8827

Beaver #1

Job Ticket: 67953

DST#: 1

ATTN: Andrew Stenzel

Test Start: 2021.11.07 @ 11:35:00

Tool Information

Drill Pipe:	Length: 2752.00 ft	Diameter: 3.80 inches	Volume: 38.60 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 39.48 bbl</u>	Tool Chased	15.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	65000.00 lb
Depth to Top Packer:	2947.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	61.00 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			2921.00	
Shut In Tool	5.00			2926.00	
Hydraulic tool	5.00			2931.00	
Jars	5.00			2936.00	
Safety Joint	2.00			2938.00	
Packer	5.00			2943.00	27.00 Bottom Of Top Packer
Packer	4.00			2947.00	
Stubb	1.00			2948.00	
Recorder	0.00	8365	Inside	2948.00	
Recorder	0.00	6752	Outside	2948.00	
Perforations	30.00			2978.00	
Bullnose	3.00			2981.00	34.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84 St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

29-16S-12W, Barton, KS
Beaver #1
Job Ticket: 67953 **DST#: 1**
Test Start: 2021.11.07 @ 11:35:00

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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6600.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	VSOCM 1% Oil 99% Mud	0.639

Total Length: 130.00 ft Total Volume: 0.639 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 2# LCM

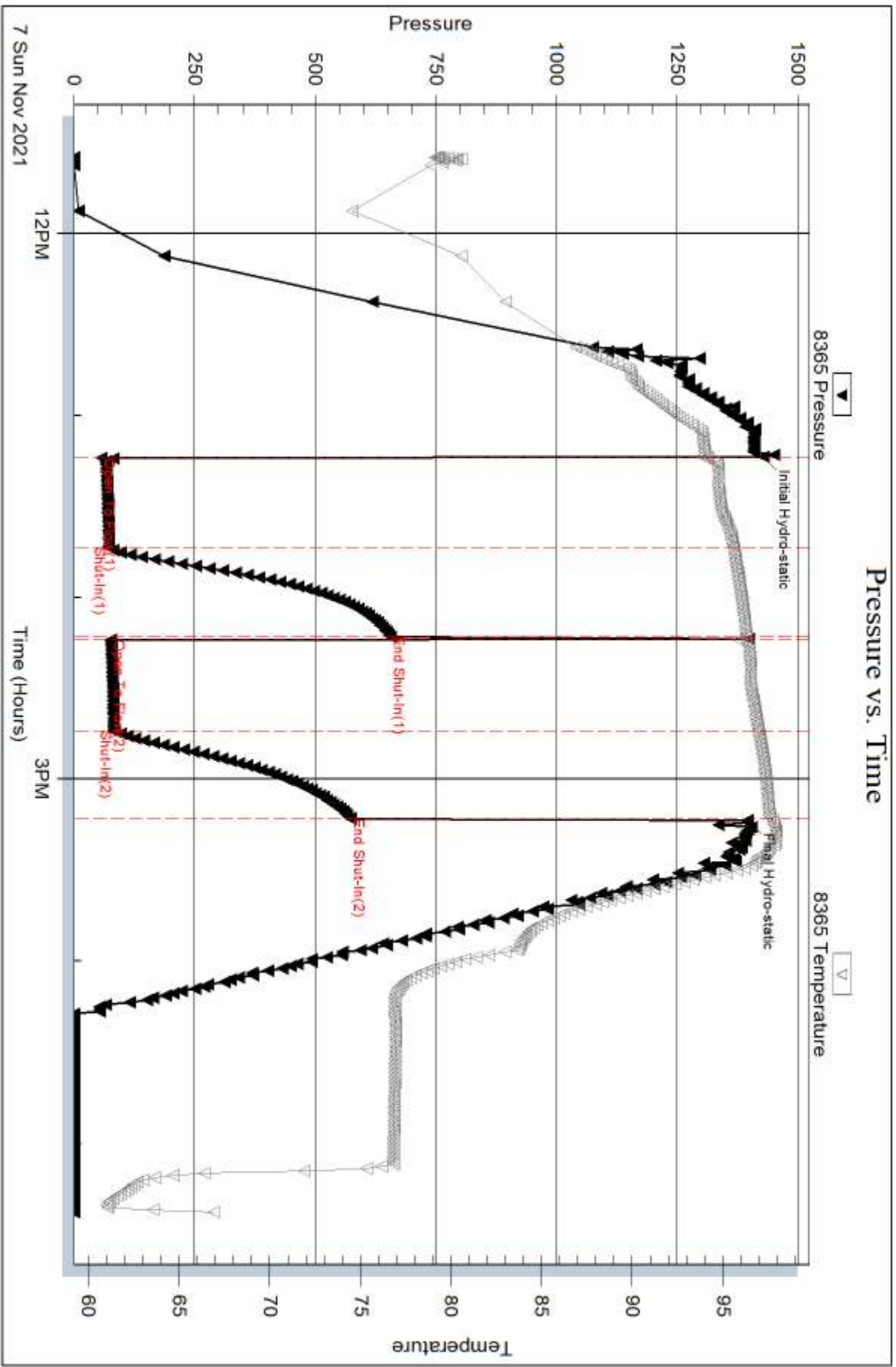
Serial #: 8365

Inside

Palomino Petroleum

Beaver #1

DST Test Number: 1



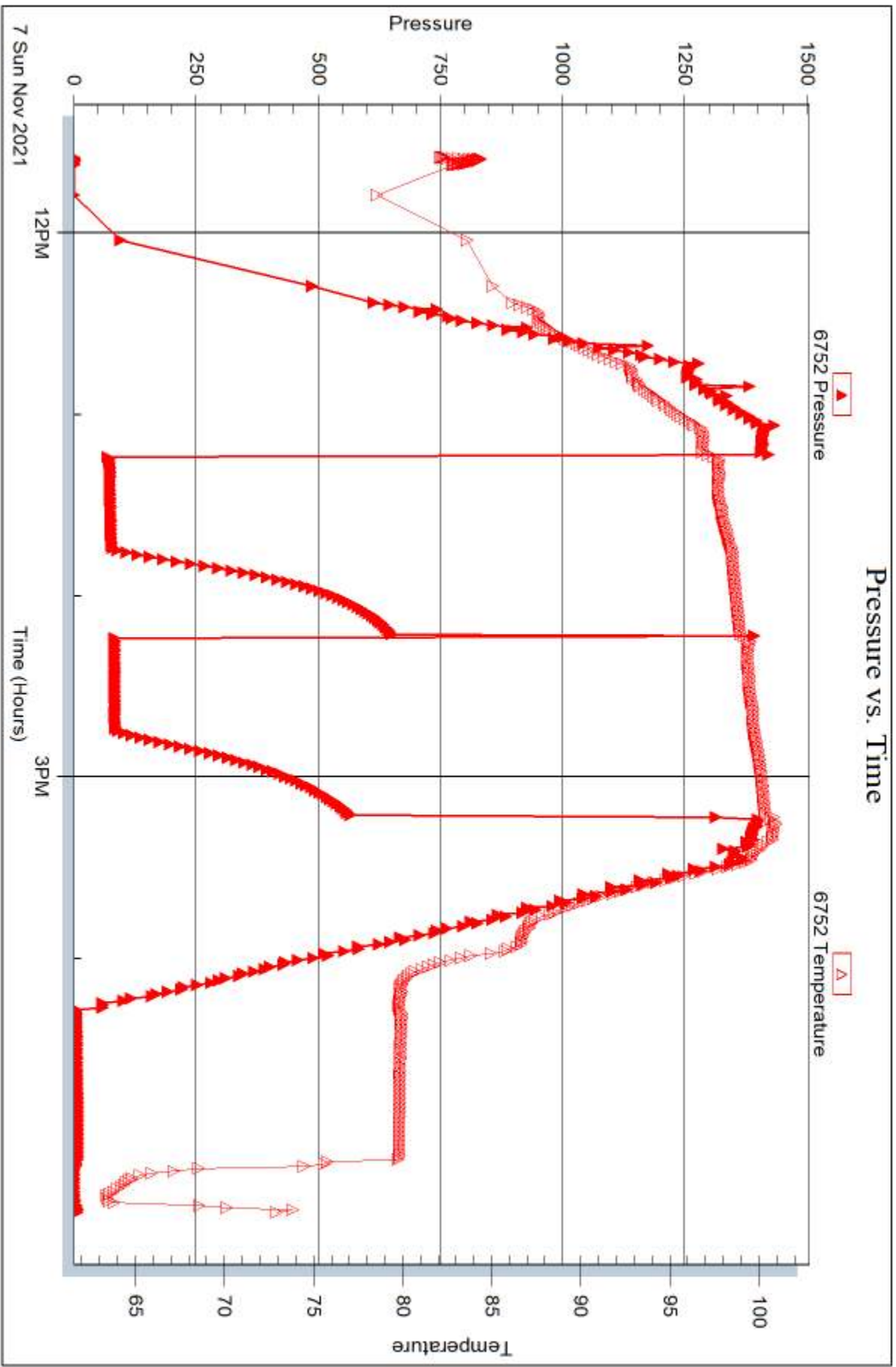
Serial #: 6752

Outside

Palomino Petroleum

Beaver #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84 St
Newton, KS 67114-8827

ATTN: Andrew Stenzel

Beaver #1

29-16S-12W, Barton, KS

Start Date: 2021.11.08 @ 01:05:00

End Date: 2021.11.08 @ 07:41:02

Job Ticket #: 67954 DST #: 2

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

Printed: 2021.11.15 @ 13:53:41



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum
4924 SE 84 St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

29-16S-12W, Barton, KS
Beaver #1
Job Ticket: 67954 **DST#: 2**
Test Start: 2021.11.08 @ 01:05:00

Tool Information

Drill Pipe:	Length: 2812.00 ft	Diameter: 3.80 inches	Volume: 39.44 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 40.32 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3004.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			2978.00	
Shut In Tool	5.00			2983.00	
Hydraulic tool	5.00			2988.00	
Jars	5.00			2993.00	
Safety Joint	2.00			2995.00	
Packer	5.00			3000.00	27.00 Bottom Of Top Packer
Packer	4.00			3004.00	
Stubb	1.00			3005.00	
Recorder	0.00	8365	Inside	3005.00	
Recorder	0.00	6752	Outside	3005.00	
Perforations	32.00			3037.00	
Bullnose	3.00			3040.00	36.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

29-16S-12W, Barton, KS

4924 SE 84 St
New ton, KS 67114-8827

Beaver #1

Job Ticket: 67954

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2021.11.08 @ 01:05:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	1% Oil 99% Mud	0.305

Total Length: 62.00 ft Total Volume: 0.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

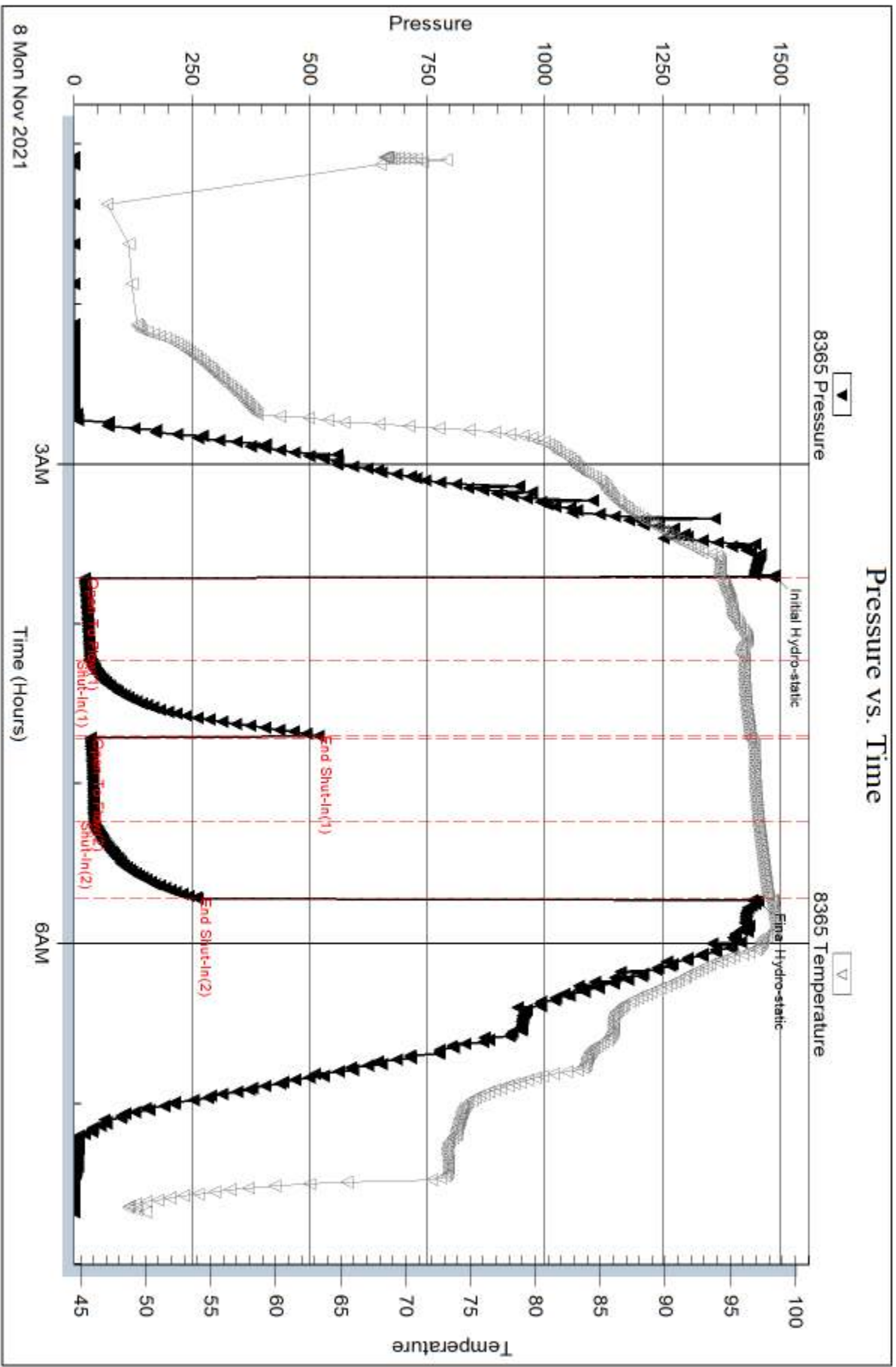
Serial #: 8365

Inside

Palomino Petroleum

Beaver #1

DST Test Number: 2

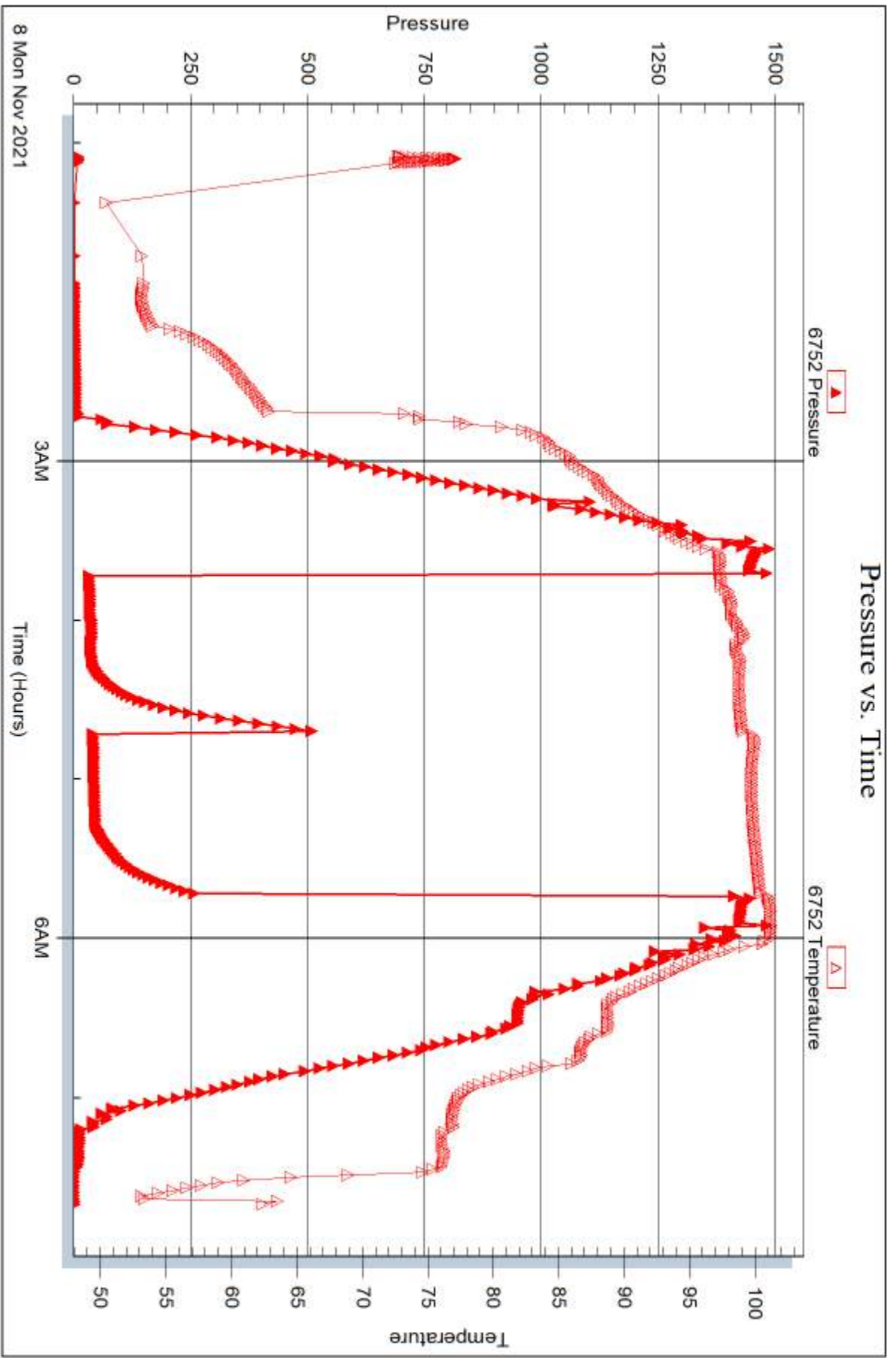


Serial #: 6752

Outside Palomino Petroleum

Beaver #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 67954

Printed: 2021.11.15 @ 13:53:42



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84 St
Newton, KS 67114-8827

ATTN: Andrew Stenzel

Beaver #1

29-16S-12W, Barton, KS

Start Date: 2021.11.09 @ 19:50:00

End Date: 2021.11.10 @ 02:42:02

Job Ticket #: 67955 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.11.15 @ 13:36:57



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

29-16S-12W, Barton, KS

4924 SE 84 St
New ton, KS 67114-8827

Beaver #1

Job Ticket: 67955

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2021.11.09 @ 19:50:00

Tool Information

Drill Pipe:	Length: 2968.00 ft	Diameter: 3.80 inches	Volume: 41.63 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 42.51 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3148.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	64.00 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			3122.00	
Shut In Tool	5.00			3127.00	
Hydraulic tool	5.00			3132.00	
Jars	5.00			3137.00	
Safety Joint	2.00			3139.00	
Packer	5.00			3144.00	27.00 Bottom Of Top Packer
Packer	4.00			3148.00	
Stubb	1.00			3149.00	
Recorder	0.00	8365	Inside	3149.00	
Recorder	0.00	6752	Outside	3149.00	
Perforations	33.00			3182.00	
Bullnose	3.00			3185.00	37.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

29-16S-12W, Barton, KS

4924 SE 84 St
New ton, KS 67114-8827

Beaver #1

Job Ticket: 67955

DST#: 3

ATTN: Andrew Stenzel

Test Start: 2021.11.09 @ 19:50:00

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:

50000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	20% water 80% mud	0.610
651.00	95% water 5% mud	8.640

Total Length: 775.00 ft

Total Volume: 9.250 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM

Serial #: 8365

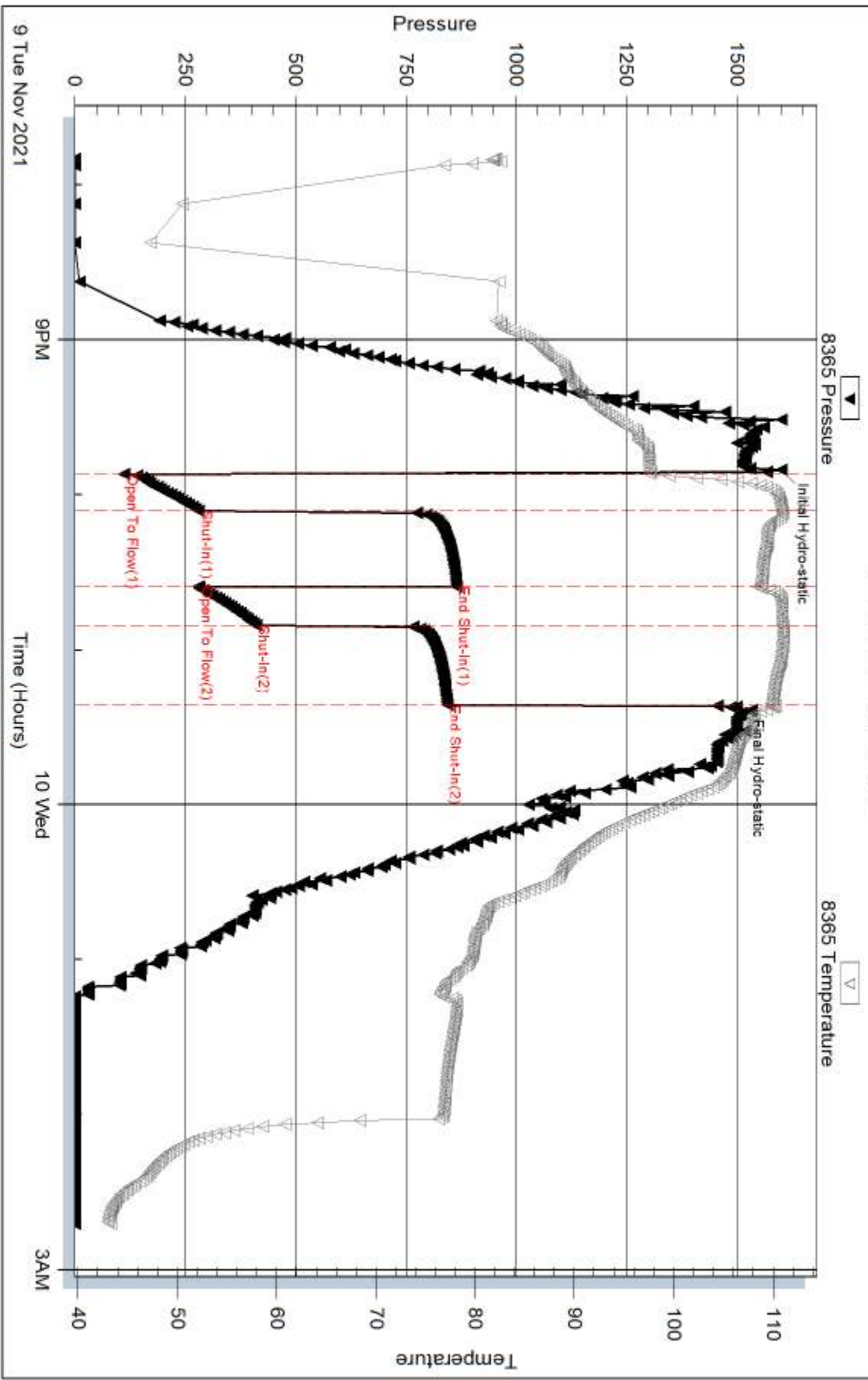
Inside

Palomino Petroleum

Beaver #1

DST Test Number: 3

Pressure vs. Time

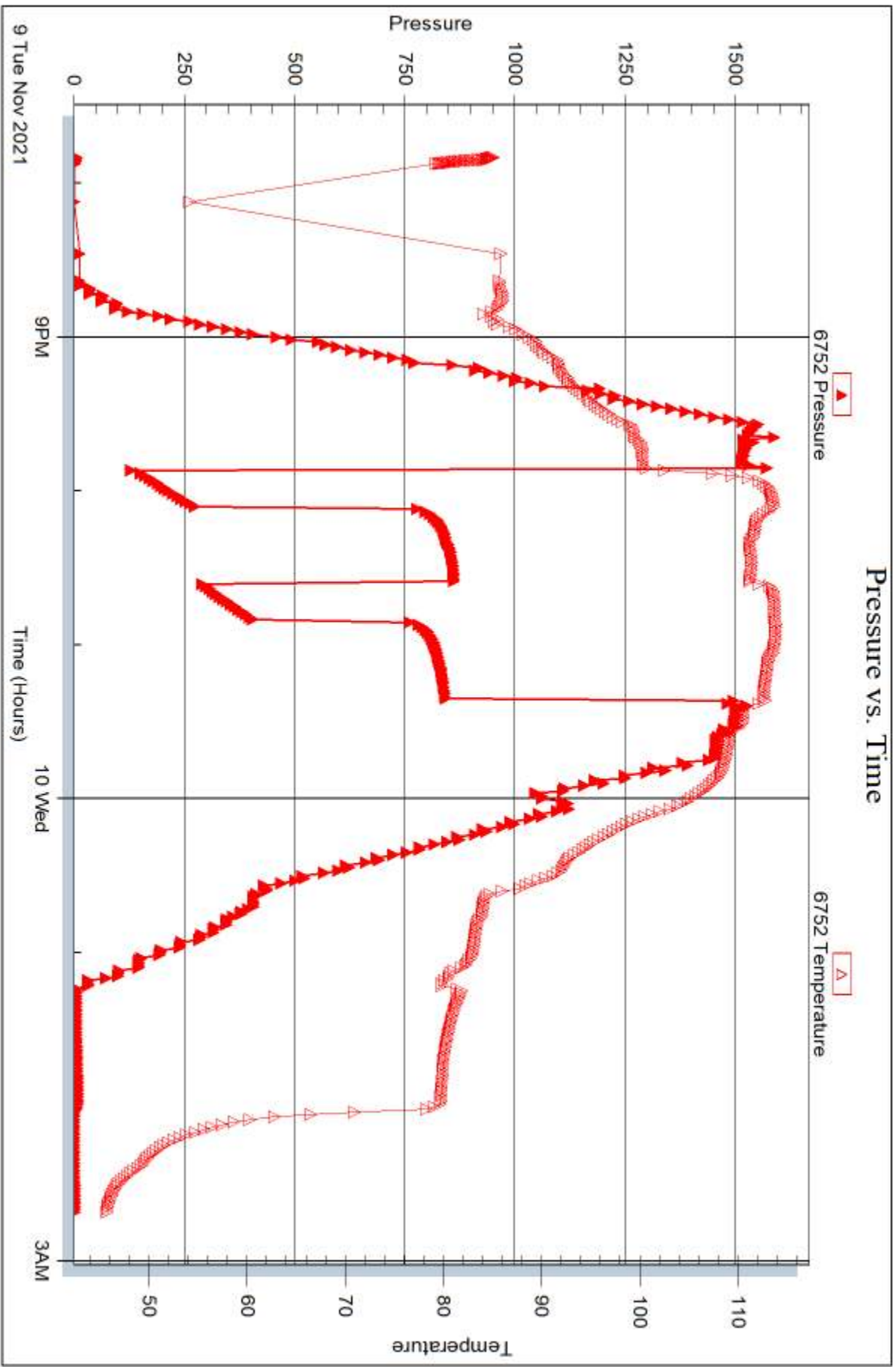


Serial #: 6752

Outside Palomino Petroleum

Beaver #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 67955

Printed: 2021.11.15 @ 13:36:58



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84 St
Newton, KS 67114-8827

ATTN: Andrew Stenzel

Beaver #1

29-16S-12W, Barton, KS

Start Date: 2021.11.09 @ 16:00:00

End Date: 2021.11.09 @ 22:36:02

Job Ticket #: 67956 DST #: 4

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

Printed: 2021.11.15 @ 13:31:33



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84 St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

29-16S-12W, Barton, KS

Beaver #1

Job Ticket: 67956

DST#: 4

Test Start: 2021.11.09 @ 16:00:00

GENERAL INFORMATION:

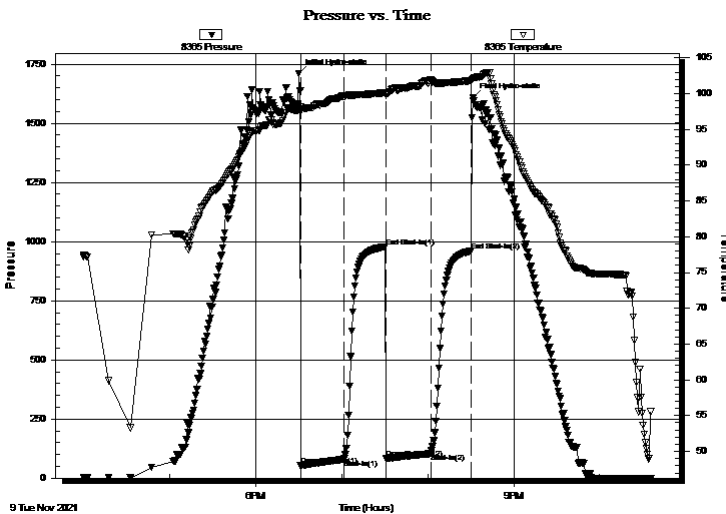
Formation: **LKC 'H - K'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:31:17
 Time Test Ended: 22:36:02
 Interval: **3227.00 ft (KB) To 3330.00 ft (KB) (TVD)**
 Total Depth: 2981.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Kevin Webster
 Unit No: 72
 Reference Elevations: 1932.00 ft (KB)
 1922.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8365

Inside

Press@RunDepth: 105.02 psig @ 3228.00 ft (KB) Capacity: psig
 Start Date: 2021.11.09 End Date: 2021.11.09 Last Calib.: 2021.11.09
 Start Time: 16:00:01 End Time: 22:36:02 Time On Btm: 2021.11.09 @ 18:30:17
 Time Off Btm: 2021.11.09 @ 20:31:32

TEST COMMENT: IF- WSB built to 2.5" 30 min
 IS- No blow back 30 min
 FF- WSB died in 10 min 30 min
 FS- No blow back 30 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1711.21	97.72	Initial Hydro-static
1	52.68	97.51	Open To Flow (1)
32	81.53	99.62	Shut-In(1)
61	978.02	100.10	End Shut-In(1)
61	82.91	99.79	Open To Flow (2)
92	105.02	101.98	Shut-In(2)
121	960.85	101.85	End Shut-In(2)
122	1606.63	102.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	100% Mud	0.30

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum
4924 SE 84 St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

29-16S-12W, Barton, KS
Beaver #1
Job Ticket: 67956 **DST#: 4**
Test Start: 2021.11.09 @ 16:00:00

Tool Information

Drill Pipe:	Length: 3032.00 ft	Diameter: 3.80 inches	Volume: 42.53 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 43.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3227.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	103.00 ft			
Tool Length:	130.00 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			3201.00	
Shut In Tool	5.00			3206.00	
Hydraulic tool	5.00			3211.00	
Jars	5.00			3216.00	
Safety Joint	2.00			3218.00	
Packer	5.00			3223.00	27.00 Bottom Of Top Packer
Packer	4.00			3227.00	
Stubb	1.00			3228.00	
Recorder	0.00	8365	Inside	3228.00	
Recorder	0.00	6752	Outside	3228.00	
Perforations	35.00			3263.00	
Change Over Sub	1.00			3264.00	
Drill Pipe	62.00			3326.00	
Change Over Sub	1.00			3327.00	
Bullnose	3.00			3330.00	103.00 Bottom Packers & Anchor

Total Tool Length: 130.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

29-16S-12W, Barton, KS

4924 SE 84 St
New ton, KS 67114-8827

Beaver #1

Job Ticket: 67956

DST#: 4

ATTN: Andrew Stenzel

Test Start: 2021.11.09 @ 16:00:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	100% Mud	0.305

Total Length: 62.00 ft Total Volume: 0.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

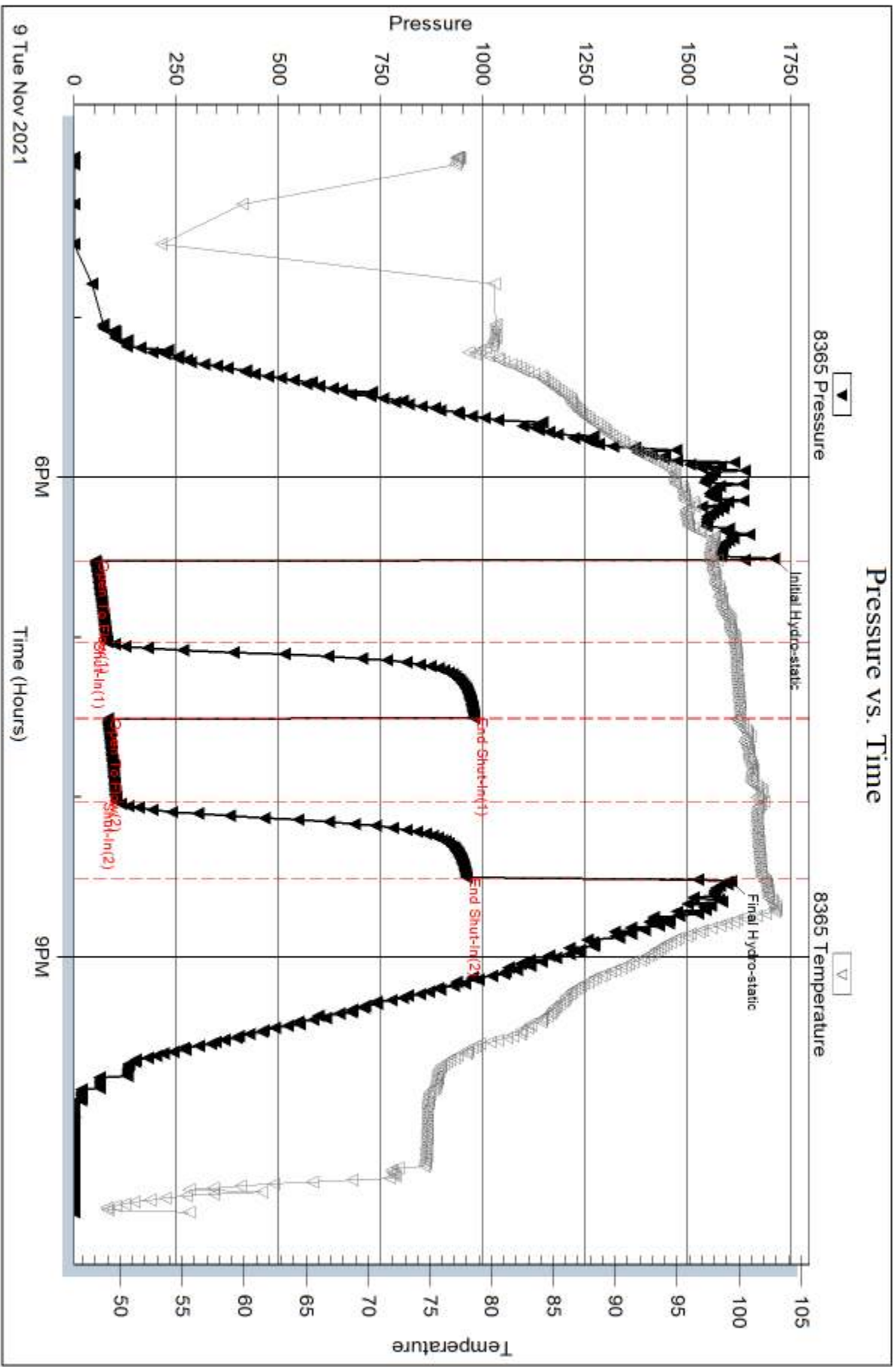
Serial #: 8365

Inside

Palomino Petroleum

Beaver #1

DST Test Number: 4

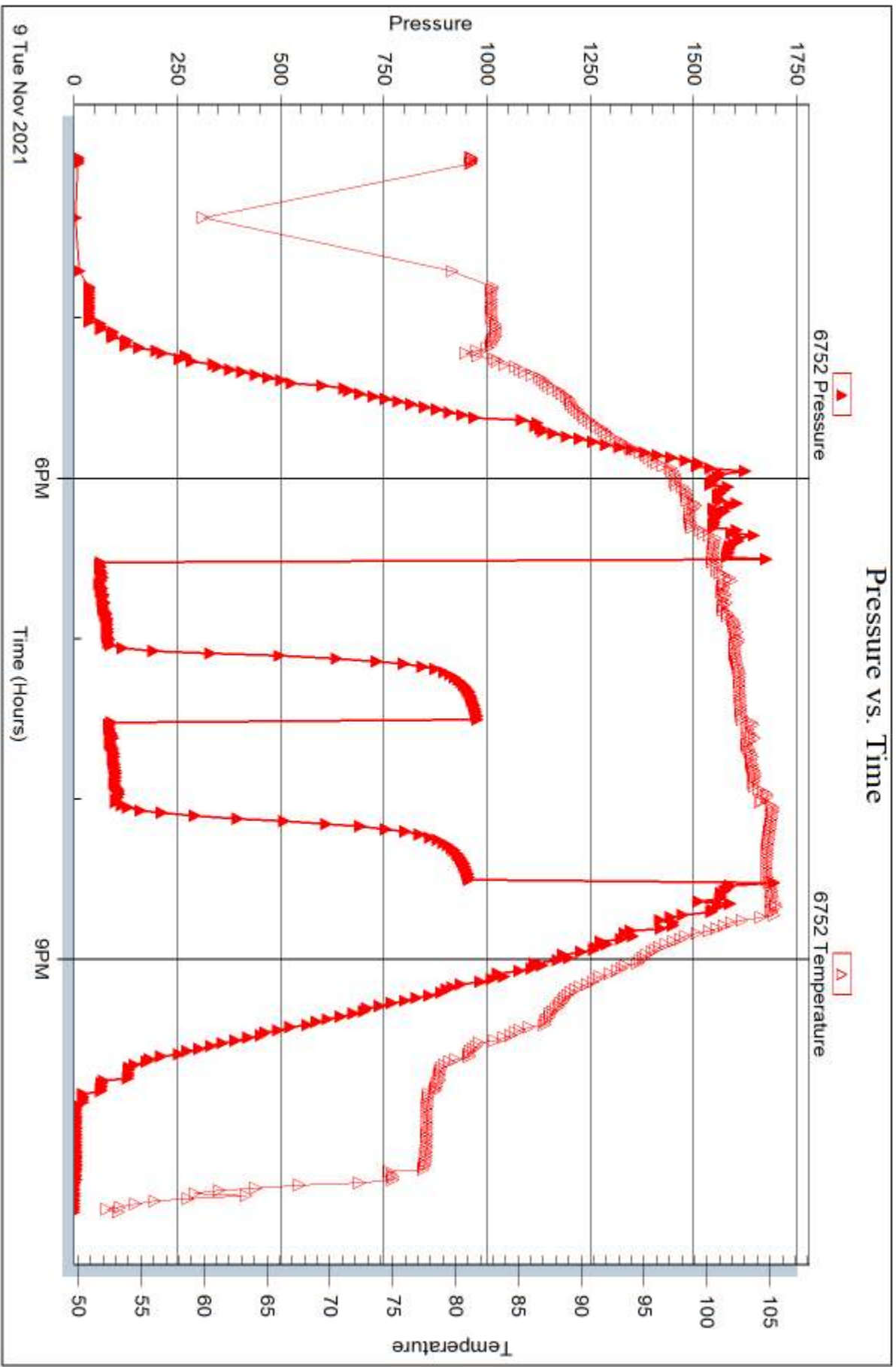


Serial #: 6752

Outside Palomino Petroleum

Beaver #1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 67956

Printed: 2021.11.15 @ 13:31:34



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84 St
Newton, KS 67114-8827

ATTN: Andrew Stenzel

Beaver #1

29-16S-12W, Barton, KS

Start Date: 2021.11.10 @ 07:50:00

End Date: 2021.11.10 @ 15:02:02

Job Ticket #: 67957 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.11.15 @ 13:29:08



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84 St
 Newton, KS 67114-8827
 ATTN: Andrew Stenzel

29-16S-12W, Barton, KS

Beaver #1

Job Ticket: 67957

DST#: 5

Test Start: 2021.11.10 @ 07:50:00

GENERAL INFORMATION:

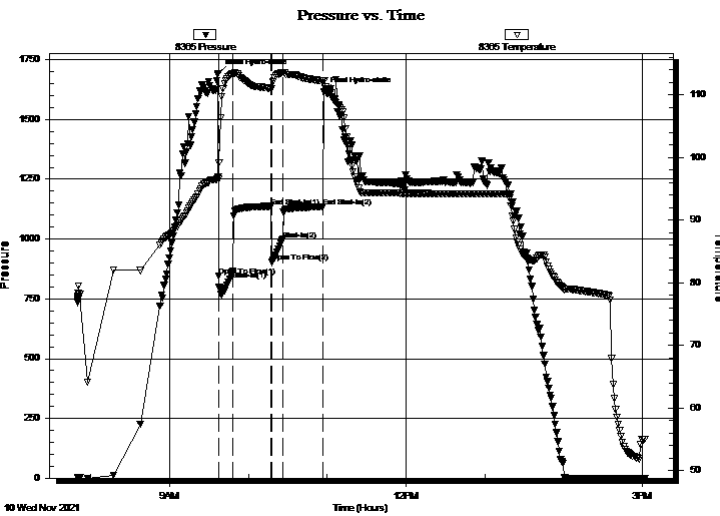
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 09:37:17
 Tester: Kevin Webster
 Time Test Ended: 15:02:02
 Unit No: 72
 Interval: **3347.00 ft (KB) To 3386.00 ft (KB) (TVD)**
 Reference Elevations: 1932.00 ft (KB)
 Total Depth: 2981.00 ft (KB) (TVD) 1922.00 ft (CF)
 Hole Diameter: 7.78 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8365

Inside

Press@RunDepth: 998.10 psig @ 3348.00 ft (KB) Capacity: psig
 Start Date: 2021.11.10 End Date: 2021.11.10 Last Calib.: 2021.11.10
 Start Time: 07:50:01 End Time: 15:02:02 Time On Btm: 2021.11.10 @ 09:37:02
 Time Off Btm: 2021.11.10 @ 10:57:47

TEST COMMENT: IF- BOB 30 sec 10 min
 IS- WSB 30 min
 FF BOB 30 sec 10 min
 FS- WSB 30 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1692.78	96.81	Initial Hydro-static
1	844.21	96.48	Open To Flow (1)
11	865.34	113.32	Shut-In(1)
40	1136.34	111.00	End Shut-In(1)
41	902.29	111.00	Open To Flow (2)
49	998.10	113.54	Shut-In(2)
80	1135.16	112.16	End Shut-In(2)
81	1615.47	112.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2518.00	25% Gas 75% Oil	33.70
124.00	95% Water 5% Mud	1.74

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum
4924 SE 84 St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

29-16S-12W, Barton, KS
Beaver #1
Job Ticket: 67957 **DST#: 5**
Test Start: 2021.11.10 @ 07:50:00

Tool Information

Drill Pipe:	Length: 3162.00 ft	Diameter: 3.80 inches	Volume: 44.35 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 45.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	3347.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	66.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Change Over Sub	1.00			3321.00	
Shut In Tool	5.00			3326.00	
Hydraulic tool	5.00			3331.00	
Jars	5.00			3336.00	
Safety Joint	2.00			3338.00	
Packer	5.00			3343.00	27.00 Bottom Of Top Packer
Packer	4.00			3347.00	
Stubb	1.00			3348.00	
Recorder	0.00	8365	Inside	3348.00	
Recorder	0.00	6752	Outside	3348.00	
Perforations	35.00			3383.00	
Bullnose	3.00			3386.00	39.00 Bottom Packers & Anchor

Total Tool Length: 66.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

29-16S-12W, Barton, KS

4924 SE 84 St
New ton, KS 67114-8827

Beaver #1

Job Ticket: 67957

DST#: 5

ATTN: Andrew Stenzel

Test Start: 2021.11.10 @ 07:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

19000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2518.00	25% Gas 75% Oil	33.699
124.00	95% Water 5% Mud	1.739

Total Length: 2642.00 ft Total Volume: 35.438 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

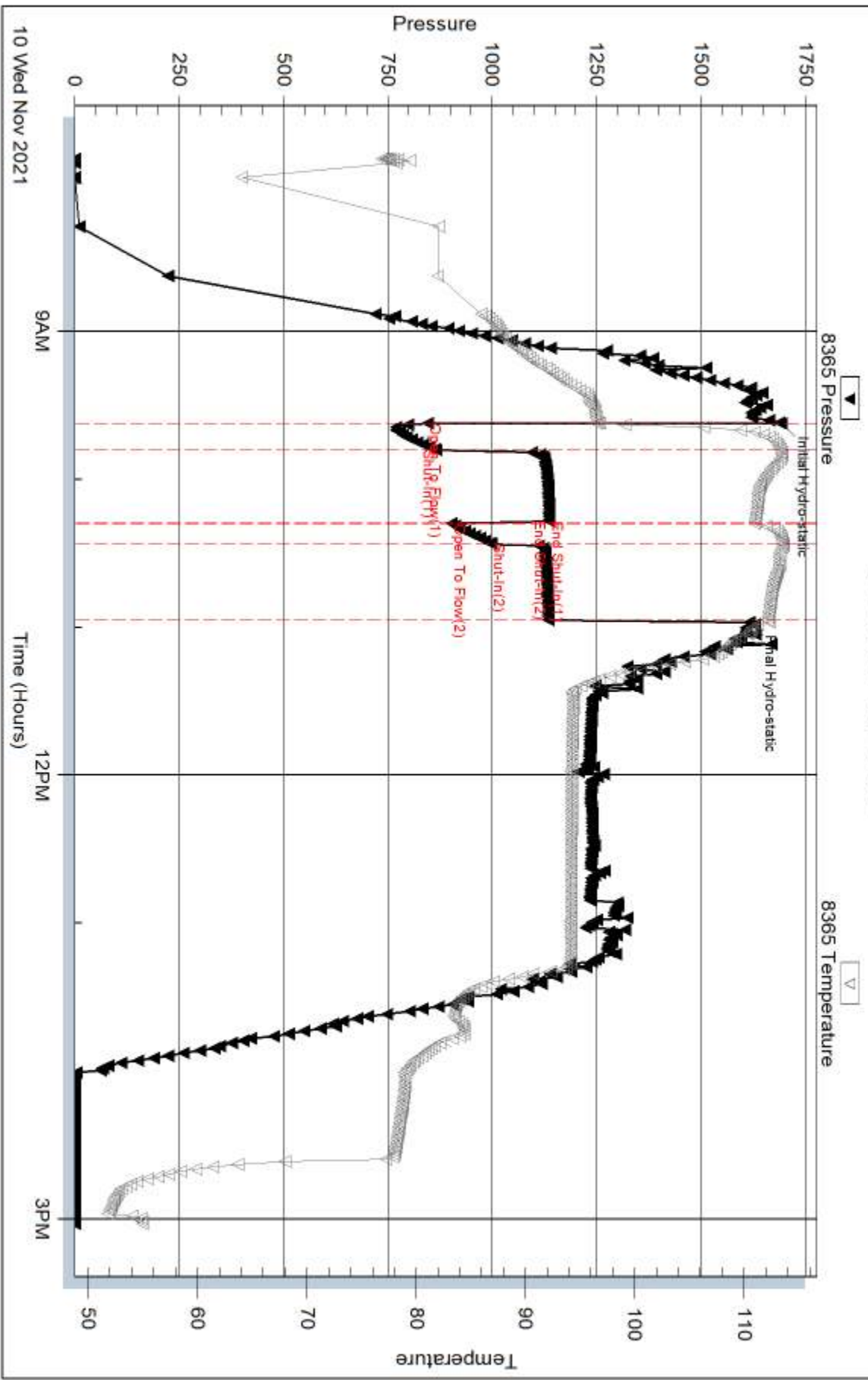
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

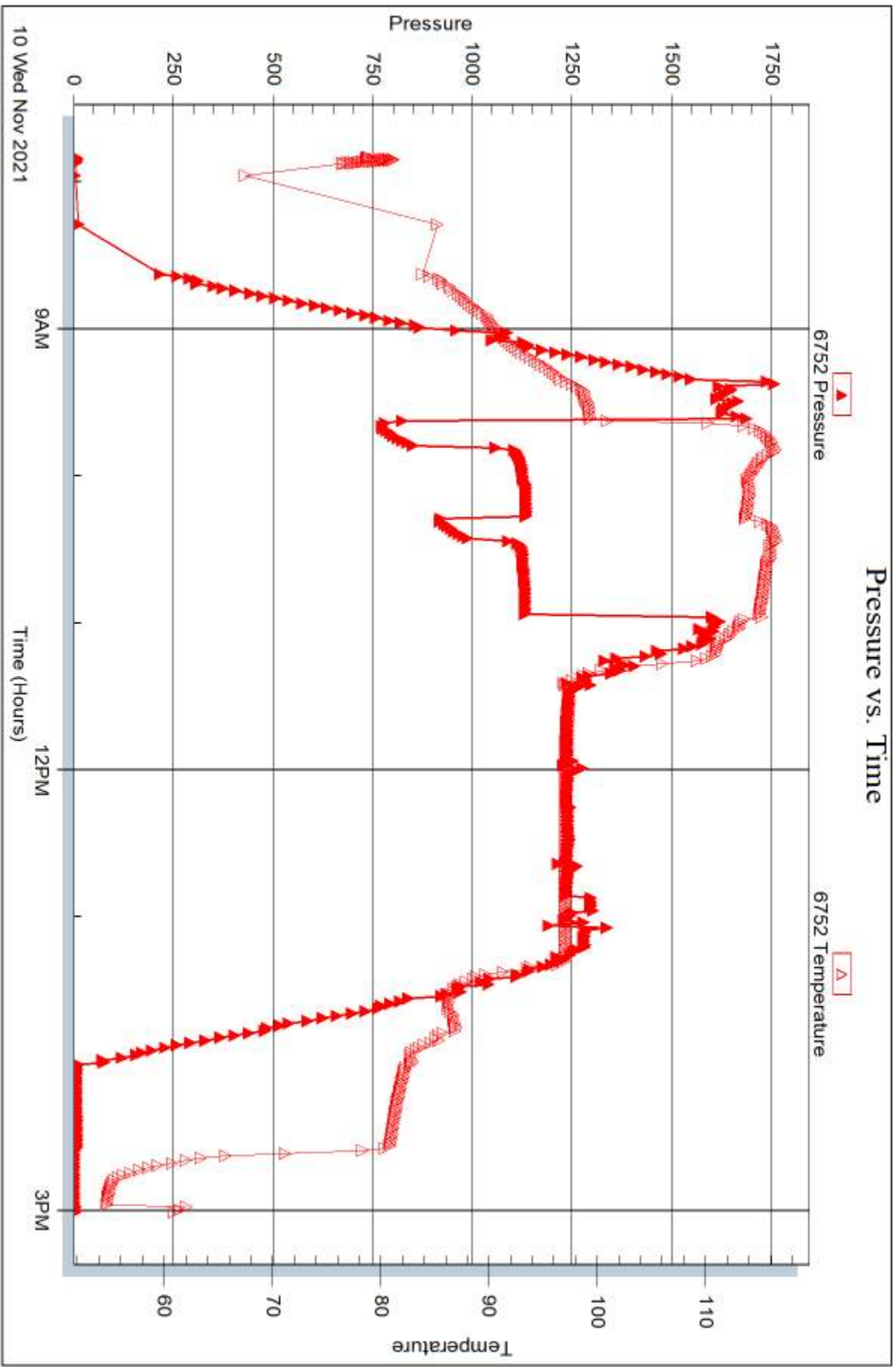


Serial #: 6752

Outside Palomino Petroleum

Beaver #1

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 67957

Printed: 2021.11.15 @ 13:29:11



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84 St
Newton, KS 67114-8827

ATTN: Andrew Stenzel

Beaver #1

29-16S-12W, Barton, KS

Start Date: 2021.11.11 @ 00:45:00

End Date: 2021.11.11 @ 08:01:02

Job Ticket #: 67958 DST #: 6

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

Printed: 2021.11.15 @ 13:26:57



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84 St
 Newton, KS 67114-8827
 ATTN: Andrew Stenzel

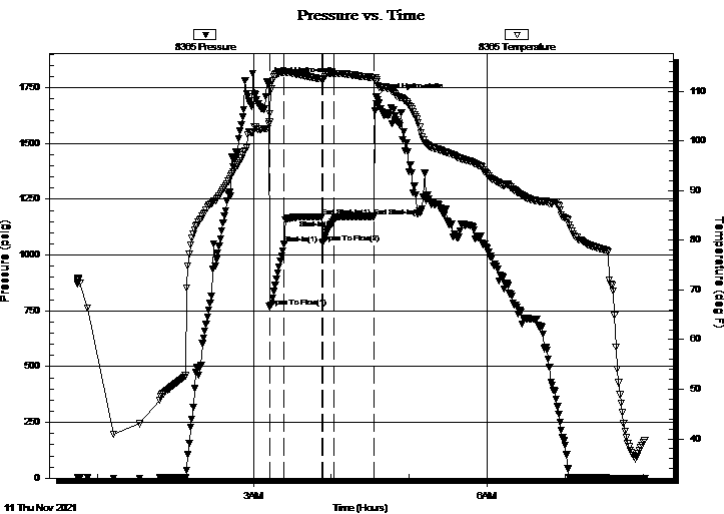
29-16S-12W, Barton, KS
Beaver #1
 Job Ticket: 67958 **DST#: 6**
 Test Start: 2021.11.11 @ 00:45:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:12:17
 Time Test Ended: 08:01:02
 Interval: **3400.00 ft (KB) To 3452.00 ft (KB) (TVD)**
 Total Depth: 3452.00 ft (KB) (TVD)
 Hole Diameter: 7.78 inches
 Hole Condition:
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Kevin Webster
 Unit No: 72
 Reference Elevations: 1932.00 ft (KB)
 1922.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8365 Inside
 Press@RunDepth: 1156.97 psig @ 3401.00 ft (KB) Capacity: psig
 Start Date: 2021.11.11 End Date: 2021.11.11 Last Calib.: 2021.11.11
 Start Time: 00:45:01 End Time: 08:01:02 Time On Btm: 2021.11.11 @ 03:10:47
 Time Off Btm: 2021.11.11 @ 04:34:32

TEST COMMENT: IF- BOB 15 sec 10 min
 IS- No blow back 30 min
 FF- BOB 15 sec 10 min
 FS- No blow back 30 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1777.32	102.52	Initial Hydro-static
2	769.33	103.80	Open To Flow (1)
13	1049.16	113.78	Shut-In(1)
42	1172.21	112.48	End Shut-In(1)
43	1053.32	112.37	Open To Flow (2)
52	1156.97	113.58	Shut-In(2)
83	1173.16	112.78	End Shut-In(2)
84	1707.37	112.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2922.00	90%Water 10% Mud	39.37

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84 St
 Newton, KS 67114-8827
 ATTN: Andrew Stenzel

29-16S-12W, Barton, KS**Beaver #1**

Job Ticket: 67958 **DST#: 6**
 Test Start: 2021.11.11 @ 00:45:00

GENERAL INFORMATION:**Formation: Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:12:17

Time Test Ended: 08:01:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Kevin Webster

Unit No: 72

Interval: 3400.00 ft (KB) To 3452.00 ft (KB) (TVD)

Reference Elevations: 1932.00 ft (KB)

Total Depth: 3452.00 ft (KB) (TVD)

1922.00 ft (CF)

Hole Diameter: 7.78 inchesHole Condition:

KB to GR/CF: 10.00 ft

Serial #: 6752 Outside

Press@RunDepth: psig @ 3401.00 ft (KB)

Capacity: psig

Start Date: 2021.11.11 End Date: 2021.11.11

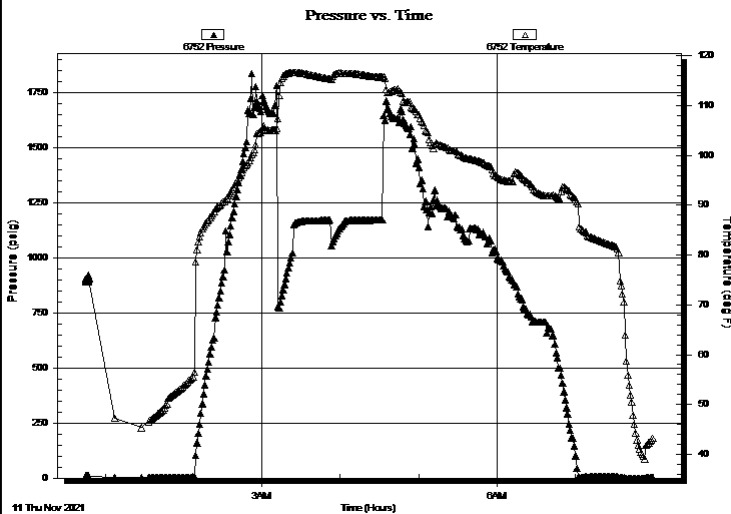
Last Calib.: 2021.11.11

Start Time: 00:45:01 End Time: 08:00:02

Time On Btm:

Time Off Btm:

TEST COMMENT: IF- BOB 15 sec 10 min
 IS- No blow back 30 min
 FF- BOB 15 sec 10 min
 FS- No blow back 30 min

**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
2922.00	90%Water 10% Mud	39.37

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum
4924 SE 84 St
New ton, KS 67114-8827
ATTN: Andrew Stenzel

29-16S-12W, Barton, KS
Beaver #1
Job Ticket: 67958 **DST#: 6**
Test Start: 2021.11.11 @ 00:45:00

Tool Information

Drill Pipe:	Length: 3205.00 ft	Diameter: 3.80 inches	Volume: 44.96 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 63000.00 lb
			<u>Total Volume: 45.84 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	3400.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	79.00 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			3374.00	
Shut In Tool	5.00			3379.00	
Hydraulic tool	5.00			3384.00	
Jars	5.00			3389.00	
Safety Joint	2.00			3391.00	
Packer	5.00			3396.00	27.00 Bottom Of Top Packer
Packer	4.00			3400.00	
Stubb	1.00			3401.00	
Recorder	0.00	8365	Inside	3401.00	
Recorder	0.00	6752	Outside	3401.00	
Perforations	15.00			3416.00	
Change Over Sub	1.00			3417.00	
Drill Pipe	31.00			3448.00	
Change Over Sub	1.00			3449.00	
Bullnose	3.00			3452.00	52.00 Bottom Packers & Anchor

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

29-16S-12W, Barton, KS

4924 SE 84 St
New ton, KS 67114-8827

Beaver #1

Job Ticket: 67958

DST#: 6

ATTN: Andrew Stenzel

Test Start: 2021.11.11 @ 00:45:00

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2922.00	90%Water 10% Mud	39.366

Total Length: 2922.00 ft Total Volume: 39.366 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 3# LCM

Serial #: 8365

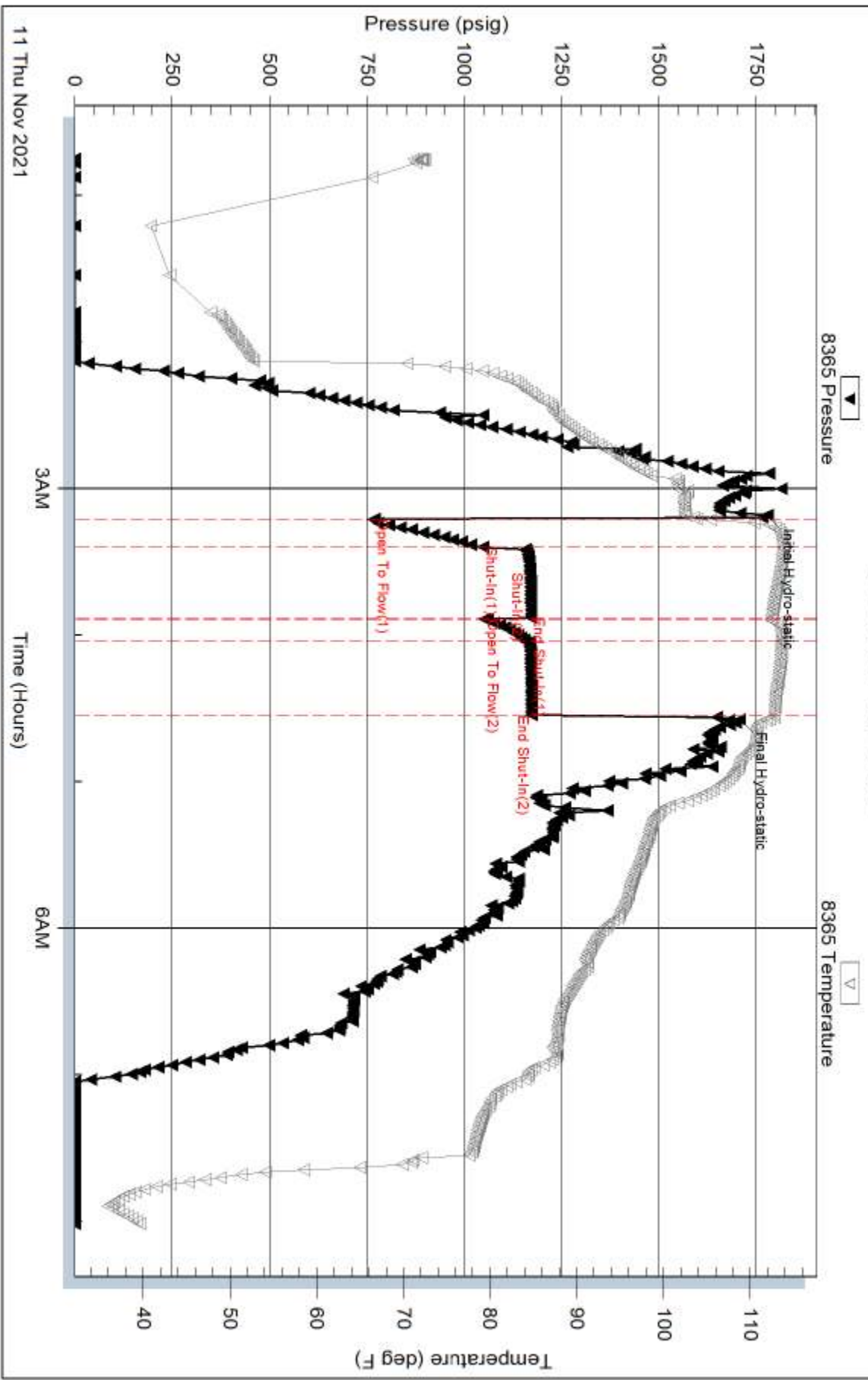
Inside

Palomino Petroleum

Beaver #1

DST Test Number: 6

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 67958

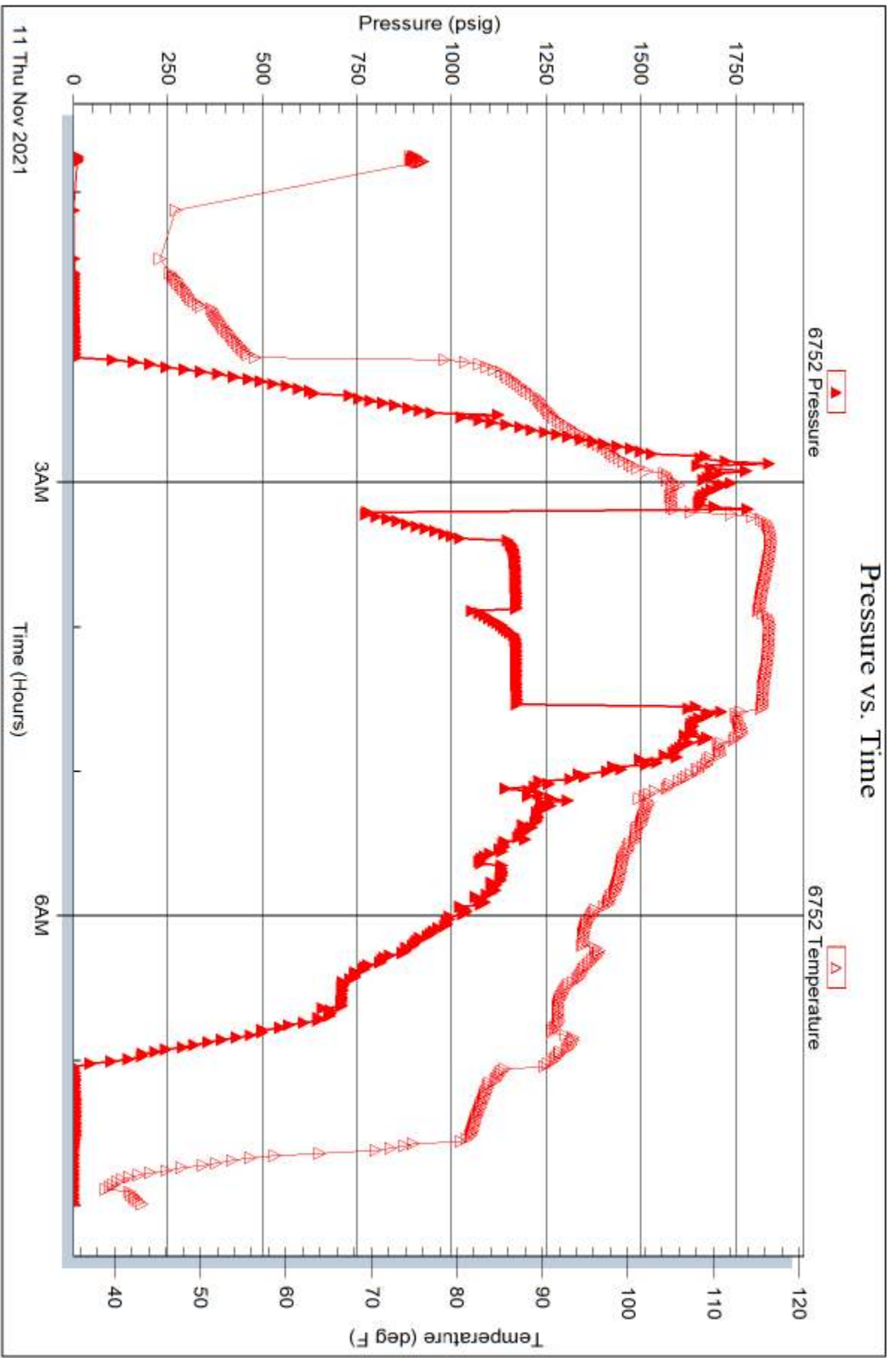
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Serial #: 6752

Outside Palomino Petroleum

Beaver #1

DST Test Number: 6



Trilobite Testing, Inc

Ref. No: 67958

Printed: 2021.11.15 @ 13:26:59



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67953

Well Name & No. Beaver #1 Test No. 1 Date 11/7/21
 Company Palomino Petroleum Elevation 1932 KB 1922 GL
 Address 4924 SE 84th St Newton, KS 67114-8827
 Co. Rep / Geo. Andrew Stenzel Rig Murfin 20
 Location: Sec. 20 Twp 16S Rge. 12W Co. Barton State Ks

Interval Tested 2947 - 2981 Zone Tested OTCAD
 Anchor Length 341 Drill Pipe Run 2752 Mud Wt. 8.9
 Top Packer Depth 2942 Drill Collars Run 178 Vis 52
 Bottom Packer Depth 2947 Wt. Pipe Run 0 WL 6.0
 Total Depth 2981 Chlorides 6600 ppm System LCM 2H

Blow Description IF - strong blow 5" died in 25 min
ISF - No blow back
FF - WSB, Dies in 4 min
FST - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>130</u>	<u>VSOCM</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

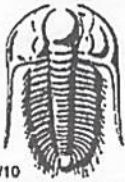
Rec Total 130 BHT 97 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1428 Test 1300 T-On Location 10:30
 (B) First Initial Flow 57 Jars 250 T-Started 11:35
 (C) First Final Flow 71 Safety Joint 75 T-Open 13:15
 (D) Initial Shut-In 655 Circ Sub _____ T-Pulled 15:15
 (E) Second Initial Flow 76 Hourly Standby _____ T-Out 17:15
 (F) Second Final Flow 82 Mileage 50 RT 62.50 Comments tool slide 15'
 (G) Final Shut-In 574 Sampler _____
 (H) Final Hydrostatic 1396 Straddle _____

Initial Open 30 Shale Packer _____ EM Tool _____
 Initial Shut-In 30 Extra Packer _____ Ruined Shale Packer _____
 Final Flow 30 Extra Recorder _____ Ruined Packer _____
 Final Shut-In 30 Day Standby _____ Sub Total 0
 Accessibility NO stairs 150 Total 1837.50
 Sub Total 1837.50 MP/DST Disc't _____

Approved By _____ Our Representative Kevin Webster

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67954

Well Name & No. Beaver #1 Test No. 2 Date 11/8/21
 Company Palamina Petroleum Elevation 1432 KB 1922 GL
 Address 4924 SE 84th ST Newton KS 67114-8827
 Co. Rep / Geo. Andrew Stenzel Rig Murfin 20
 Location: Sec. 20 Twp 16 S Rge. 12 W Co. Garton State KS

Interval Tested 3004 - 3040 Zone Tested Toronto
 Anchor Length 36' Drill Pipe Run 2812 Mud Wt. 8.9
 Top Packer Depth 2999 Drill Collars Run 178 Vis 52
 Bottom Packer Depth 3004 Wt. Pipe Run 0 WL 6.0
 Total Depth 3040 Chlorides 6600 ppm System LCM 2 #

Blow Description IF- WSB, built to 1"
ISF- No blowback
FF- WSB, built to 1"
FSI-

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>ACM</u>		<u>1</u>		<u>99</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 62 BHT 98 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1487 Test 1300 T-On Location 0945
 (B) First Initial Flow 23 Jars 250 T-Started 0105
 (C) First Final Flow 35 Safety Joint 75 T-Open 0444
 (D) Initial Shut-In 518 Circ Sub _____ T-Pulled 0644
 (E) Second Initial Flow 34 Hourly Standby _____ T-Out 0740
 (F) Second Final Flow 43 Mileage 50 RT 62.50 Comments _____
 (G) Final Shut-In 262 Sampler _____
 (H) Final Hydrostatic 1453 Straddle _____ EM Tool _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 30 Extra Recorder _____ Extra Copies _____
 Final Shut-In 30 Day Standby _____ Sub Total 0
 Accessibility No stairs 150 Total 1837.50
 Sub Total 1837.50 MP/DST Disc't _____

Approved By _____ Our Representative Kevin Webster

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67955

Well Name & No. Beaver #1 Test No. 3 Date 11/8/21
 Company Palamina Petroleum Elevation 1932 KB 1922 GL
 Address 4924 SE 84th St Newton, KS 67114-8827
 Co. Rep / Geo. Andrew Stenzel Rig Murfin 20
 Location: Sec. 20 Twp 16 S Rge. 12 W Co. Barton State KS

Interval Tested 3148 - 3185 Zone Tested LKC 'D, E, F'
 Anchor Length 37' Drill Pipe Run 2968 Mud Wt. 9.1
 Top Packer Depth 3143 Drill Collars Run 178 Vis 54
 Bottom Packer Depth 3148 Wt. Pipe Run 0 WL 7.2
 Total Depth 3185 Chlorides 3800 ppm System LCM 1 #

Blow Description IF - strong blow, bab 4min
IST - blow back built to 1.5"
RF - strong blow, bab 4min
FST - blow back built to 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>			<u>20</u>	<u>80</u>	
<u>651</u>			<u>95</u>	<u>5</u>	

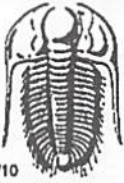
Rec Total 775 BHT 111 Gravity _____ API RW 210 @ 49 °F Chlorides 50,000 ppm

(A) Initial Hydrostatic 1600 Test 1300 T-On Location 19:30
 (B) First Initial Flow 112 Jars 250 T-Started 19:50
 (C) First Final Flow 281 Safety Joint 75 T-Open 21:50
 (D) Initial Shut-In 865 Circ Sub _____ T-Pulled 23:20
 (E) Second Initial Flow 280 Hourly Standby _____ T-Out 02:30
 (F) Second Final Flow 410 Mileage 50 RT 62.50
 (G) Final Shut-In 844 Sampler _____
 (H) Final Hydrostatic 1500 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____

Initial Open 15 EM Tool _____
 Initial Shut-In 30 Ruined Shale Packer _____
 Final Flow 15 Ruined Packer _____
 Final Shut-In 30 Extra Copies _____
 Sub Total 0
 Accessibility NO STAIRS 150 Total 1837.50
 Sub Total 1837.50 MP/DST Disc't _____

Approved By _____ Our Representative Kain Webster

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67956

Well Name & No. Beaver #1 Test No. 4 Date 11/9/21
 Company Palomina Petroleum Elevation 1932 KB 1927 GL
 Address 4924 SE 84th St Newton, KS 67114 - 5827
 Co. Rep / Geo. Andrew Steazel Rig Mullin 20
 Location: Sec. 20 Twp 16 S Rge. 12 W Co. Barton State KS

Interval Tested 3227 - 3330 Zone Tested LKC 'H, I, J, K
 Anchor Length 103 Drill Pipe Run 3032 Mud Wt. 9.1
 Top Packer Depth 3222 Drill Collars Run 178 Vis 54
 Bottom Packer Depth 3227 Wt. Pipe Run 0 WL 7.2
 Total Depth 3330 Chlorides 3800 ppm System LCM 1#

Blow Description IF- Wsb, built to 2.5"
ISI- No blow back
FF- Wsb die in 10 min
FSD- No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>Mud</u>			<u>100</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 62 BHT 102 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1711 Test 1300 T-On Location 15:15
 (B) First Initial Flow 52 Jars 250 T-Started 16:00
 (C) First Final Flow 81 Safety Joint 75 T-Open 18:34
 (D) Initial Shut-In 978 Circ Sub _____ T-Pulled 20:34
 (E) Second Initial Flow 82 Hourly Standby _____ T-Out 22:41
 (F) Second Final Flow 105 Mileage 60 Rt 62.50 Comments _____
 (G) Final Shut-In 960 Sampler _____
 (H) Final Hydrostatic 1606 Straddle _____

Initial Open 30 Shale Packer _____ EM Tool _____
 Initial Shut-In 30 Extra Packer _____ Ruined Shale Packer _____
 Final Flow 30 Extra Recorder _____ Ruined Packer _____
 Final Shut-In 30 Day Standby _____ Extra Copies _____
 Accessibility NO STAIRS 150 Sub Total 0 Total 1837.50
 Sub Total 1837.50 MP/DST Disc't _____

Approved By _____ Our Representative Kevin Webster

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67957

Well Name & No. Beaver #1 Test No. 5 Date 11/10/23
 Company Palomino Petroleum Elevation 1932 KB 1922 GL
 Address 4924 SE 84th St Newton, KS 67114-8827
 Co. Rep / Geo. Andrew Stanzel Rig MURKIN #20
 Location: Sec. 20 Twp 16 S Rge. 12 W Co. BARTON State KS

Interval Tested 3347 - 3386 Zone Tested Arkucikie
 Anchor Length 39' Drill Pipe Run 3162 Mud Wt. 9.1
 Top Packer Depth 3342 Drill Collars Run 178 Vis 55
 Bottom Packer Depth 3347 Wt. Pipe Run 0 WL 6.0
 Total Depth 3386 Chlorides 3900 ppm System LCM 3 #

Blow Description IF - Bob 30 sec
FSI - WSB
FF - Bob 30 sec
FSI - WSB

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>			<u>95</u>	<u>5</u>	
<u>2518</u>		<u>25</u>	<u>75</u>		

Rec Total 2642 BHT 113 Gravity 38 API RW -413 @ 59 °F Chlorides 19,000 ppm

(A) Initial Hydrostatic <u>1642</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>07:30</u>
(B) First Initial Flow <u>844</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>07:50</u>
(C) First Final Flow <u>865</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>09:37</u>
(D) Initial Shut-In <u>1136</u>	<input checked="" type="checkbox"/> Circ Sub <u>Reversed out 50</u>	T-Pulled <u>10:57</u>
(E) Second Initial Flow <u>902</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>14:50</u>
(F) Second Final Flow <u>998</u>	<input checked="" type="checkbox"/> Mileage <u>50 RT</u> 62.50	Comments
(G) Final Shut-In <u>1135</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1615</u>	<input type="checkbox"/> Straddle	
Initial Open <u>10</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> EM Tool
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Shale Packer
Final Flow <u>10</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Ruined Packer
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	<input type="checkbox"/> Extra Copies
	<input checked="" type="checkbox"/> Accessibility <u>No Steps</u> 150	Sub Total <u>0</u>
	Sub Total <u>1887.50</u>	Total <u>1887.50</u>

Approved By _____ Our Representative Kevin Webster

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67958

Well Name & No. Beaver #1 Test No. 6 Date 11/10/21
 Company Palomina Petroleum Elevation 1932 KB 1922 GL
 Address 4924 SE 94th St Newton, KS 67114 - 8827
 Co. Rep / Geo. Andrew Stenzel Rig Mulfin 20
 Location: Sec. 2a Twp 16S Rge. 12W Co. Barton State KS

Interval Tested 3400 - 3452 Zone Tested Arbuckly
 Anchor Length 52 Drill Pipe Run 3205 Mud Wt. 9.1
 Top Packer Depth 3395 Drill Collars Run 178 Vis 55
 Bottom Packer Depth 3400 Wt. Pipe Run 0 WL 6.0
 Total Depth 3452 Chlorides 3900 ppm System LCM 3

Blow Description IF - Bab 15 sec
IST - No blow back
FE - Bab 15 sec
FST - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>2922</u>	<u>MCH</u>			<u>90%</u>	<u>10%</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 2922 BHT 113 Gravity API RW 385 @ 60° F Chlorides 19,000 ppm

(A) Initial Hydrostatic <u>1777</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>2345</u>
(B) First Initial Flow <u>769</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>00:45</u>
(C) First Final Flow <u>1849</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>03:12</u>
(D) Initial Shut-In <u>1172</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>04:32</u>
(E) Second Initial Flow <u>1853</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>08:00</u>
(F) Second Final Flow <u>1156</u>	<input checked="" type="checkbox"/> Mileage <u>50 RT</u> 62.50	Comments
(G) Final Shut-In <u>1173</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1707</u>	<input type="checkbox"/> Straddle	

Initial Open 10
 Initial Shut-In 30
 Final Flow 10
 Final Shut-In 30

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility NO STAIRS 150

Sub Total 1837.50 MP/DST Disc't

Approved By _____ Our Representative Kevin Webster

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HURRICANE SERVICES INC

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

Customer:
PALOMINO PETROLEUM INC
4924 SE 84TH ST
NEWTON, KS 67114-8827



Invoice Date: 11/4/2021
Invoice #: 0356704
Lease Name: Beaver
Well #: 1 (New)
County: Barton, Ks
Job Number: WP2058
District: Pratt

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	290.000	18.000	5,220.00
8 5/8" Centralizer x 12 1/4"	2.000	81.000	162.00
Light Eq Mileage	70.000	1.800	126.00
Heavy Eq Mileage	70.000	3.600	252.00
Ton Mileage	956.000	1.350	1,290.60
Depth Charge 0'-500'	1.000	900.000	900.00

*Cement for surface for #1
6/31*

Total 7,950.60

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!



Customer	Palomino Petroleum	Lease & Well #	Beaver 1	Date	11/4/21
Service District	Pratt Kansas	County & State	Barton Kansas	Legals S/T/R	20-16-12
Job Type	Surface	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	New Well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No
Equipment #	916	Driver	M Brungardt	Ticket #	wp 0058

Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
916	M Brungardt	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
176/522	R Osborn	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
182/256	M Flores	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations
		<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input checked="" type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
		<input type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

Comments

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
cp015	H-325	sack	290.00	\$5,220.00
fu250	8 5/8" Centralizer	ea	2.00	\$162.00
mi015	Light Equipment Mileage	mi	70.00	\$126.00
mi010	Heavy Equipment Mileage	mi	70.00	\$252.00
mi020	Ton Mileage	tm	336.00	\$1,290.60
dp110	Depth Charge: 0'-500'	job	1.00	\$900.00

Customer Section: On the following scale how would you rate Hurricane Services Inc.?

Total Taxable		\$ -	Tax Rate:	Net:	\$7,950.60
Based on this job, how likely is it you would recommend HSI to a colleague?		State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.		Sale Tax:	\$ -
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				Total:	\$ 7,950.60
Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely		HSI Representative: <i>Mark Brungardt</i>			

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X *Jim Baker* CUSTOMER AUTHORIZATION SIGNATURE



CEMENT TREATMENT REPORT

Customer:	Palomino Petroleum	Well:	Beaver 1	Ticket:	wp 2058
City, State:	Beaver Kansas	County:	Barton Kansas	Date:	11/4/21
Field Rep:		S-T-R:	20-16-12	Service:	Surface

Hole Size:	12 1/4 in
Hole Depth:	456 ft
Casing Size:	8 5/8 in
Casing Depth:	457 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	27.0 bbls

Blend:	h-235
Weight:	14.8 ppg
Water / Sx:	6.4 gal / sx
Yield:	1.38 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	71.0 bbls
Total Sacks:	290 sx

Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
11:30 PM			-	-	on location jpb and safety
11:45 PM				-	spot trucks and rig up
				-	centralizers 1 & 2
				-	
1:00 AM				-	start casing in the hole
2:30 AM				-	on bottom and circulate
				-	
2:40 AM				-	start cement
	4.5	250.0	5.0	5.0	fresh water
	4.5	250.0	71.0	76.0	mix 290 sacks cement
3:00 AM				76.0	cement in and shut down
					start displacement
3:05 AM	2.5	200.0			displacement in
					cement did circulate

CREW		UNIT	SUMMARY		
Cementer:	M Brungardt	916	Average Rate	Average Pressure	Total Fluid
Pump Operator:	R Osborn	176/522	3.8 bpm	233 psi	76 bbls
Bulk #1:	M Flores	182/255			
Bulk #2:					

SWIFT



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



Invoice

DATE	INVOICE #
11/11/2021	33936

BILL TO
Palomino Petroleum Inc. 4924 S E 84th Street Newton, KS 67114-8827

RECEIVED
NOV 22 2021
BY: _____

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Beaver	Barton	Murfin	Oil	Development	5 1/2 Longstring	Gideon
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				80	Miles	6.00	480.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	325.00	325.00T
409-5	5 1/2" Turbolizer				8	Each	90.00	720.00T
281	Mud Flush				500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
290	D-Air				7	Gallon(s)	42.00	294.00T
325	Standard Cement				100	Sacks	14.50	1,450.00T
284	Calseal				5	Sack(s)	40.00	200.00T
283	Salt				500	Lb(s)	0.25	125.00T
285	CFR-1				50	Lb(s)	5.00	250.00T
276	Flocele				75	Lb(s)	3.00	225.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	18.00	2,250.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
583D	Drayage				920	Ton Miles	1.00	920.00
	Subtotal							10,289.00
	Sales Tax Barton County						7.50%	520.43
	<i>Cement for long string for #1</i>							
	<i>(1/3)</i>							

We Appreciate Your Business!

Total

\$10,809.43



CHARGE TO: Palomino Petroleum

ADDRESS

CITY, STATE, ZIP CODE

TICKET **33936**

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>Ness City, KS</u>	WELL/PROJECT NO. <u>#1</u>	LEASE <u>BEAVER</u>	COUNTY/PARISH <u>BARTON</u>	STATE <u>KS</u>	CITY <u>Beaver</u>	DATE <u>11-11-2021</u>	OWNER
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Murkin</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.	
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Long String 5 1/2"</u>	WELL PERMIT NO.	WELL LOCATION <u>Beaver KS</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>575</u>		<u>1</u>			MILEAGE <u>Trk #112</u>		<u>80</u>	<u>00</u>		<u>6</u>	<u>480</u>
<u>578</u>		<u>1</u>			<u>Pump Charge - Long String</u>		<u>1</u>	<u>job</u>		<u>1,500</u>	<u>1,500</u>
<u>406</u>		<u>1</u>			<u>Latch down Plug + Baffle</u>		<u>1</u>	<u>EA</u>		<u>250</u>	<u>250</u>
<u>407</u>		<u>1</u>			<u>Insert Flat Shoe w/ Auto fill</u>		<u>1</u>	<u>EA</u>		<u>325</u>	<u>325</u>
<u>409</u>		<u>1</u>			<u>Turbolizers</u>		<u>8</u>	<u>EA</u>		<u>90</u>	<u>720</u>
<u>281</u>		<u>1</u>			<u>Mud Flush</u>		<u>500</u>	<u>gal</u>		<u>1.50</u>	<u>750</u>
<u>221</u>		<u>1</u>			<u>Liquid KCL</u>		<u>4</u>	<u>gal</u>		<u>25</u>	<u>100</u>
<u>290</u>		<u>1</u>			<u>D-Air</u>		<u>7</u>	<u>gal</u>		<u>42</u>	<u>294</u>

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

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

X [Signature]

DATE SIGNED 11-11-2021 TIME SIGNED 9:30 A.M. P.M.

REMIT PAYMENT TO:

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

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL	<u>1</u>	<u>4,419</u>	<u>00</u>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				<u>2</u>	<u>5870</u>	<u>00</u>	
WE UNDERSTOOD AND MET YOUR NEEDS?				Total	<u>10,289</u>	<u>00</u>	
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				<u>[Signature]</u>	<u>520</u>	<u>43</u>	
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				<u>Barton</u>			
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	<u>10809</u>	<u>43</u>	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND							

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

SWIFT OPERATOR [Signature] APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 33936

CUSTOMER PALOMINO Petroleum WELL Beaver #1 DATE 11-11-2007 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		U/M	QTY	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF									
326		1				STANDARD CMT	100	SKS			14.50	1450.00	
284		1				CALSEAL	5	SKS			40.00	200.00	
283		1				SAK	500	IBS			0.25	125.00	
285		1				CFR-1	50	IBS			5.00	250.00	
276		1				Flocele	75	IBS			3.00	225.00	
330		1				Swift Multi-density Cement	125	SKS			18.00	2250.00	
581		1				SERVICE CHARGE					2.00	450.00	
583		1				MILEAGE CHARGE					1.00	920.00	
						TOTAL WEIGHT	23,622						
						LOADED MILES	80						
						CUBIC FEET	225						
						TON MILES	920						

CONTINUATION TOTAL 5,870.00

JCB LOG

SWIFT Services, Inc.

DATE 11-11-2021 PAGE NO. 1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Palomino Petroleum		#1		Beaver		Long String 5 1/2"		33936	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
									ON LOCATION 5 1/2" 15.5 lb/ft
									RTD: 3,452' LTD: 3,452'
									TP: 3,449' SJ: 41.72' Set: 3,446'
									TURBO: 1, 2, 3, 4, 5, 6, 7, 8
	2015 2240								START 5 1/2" 15.5 lb/ft Csg in Well Drop Ball - Circulate
	2340	4	12		✓	250			Pump 500 gal Mud Flush
	2340	4	20		✓	250			Pump 20 bbl KCL Spacer
	2350	1 1/2	10-7			75			Plug RH, MH [30, 20]
	0905	3	28		✓	175			Mix 75 sks of SMD @ 12.7 ppg
		3	24		✓	175			Mix 100 sks of EA-2 @ 15.36 ppg
	0025								Wash Pump + Lines Release Latch down Plug
	0030	6 1/2	0		✓	300			Begin Displacement - w/ KCL in 1st 20 bbl
		6 1/2	55		✓	350			lift PSI
		6 1/2	80		✓	850			MAX lift PSI
	0045	5 1/2	81.1		✓	1850			LAND Latch down Plug
	0050 0120								Wash up Trk #112 Job Complete
									125 sks SMD used [30-RH, 20-MH] 100 sks EA-2 used
									Thanks!
									Audean, Kuebel, John