

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

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

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

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

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

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

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

TUBING RECORD:	Size:	Set At:	Packer At:	
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MUD LOG
WellSight Systems
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: A New Hope
API: 15-135-26145
Location: 903 FNL - 971 FEL - Sec. 32 - Twp. 19S - 25W
License Number: 30742
Spud Date: 01/18/2022
Surface Coordinates:
Region: Kansas
Drilling Completed: 01/25/2022

Bottom Hole
Coordinates:
Ground Elevation (ft): 2452 K.B. Elevation (ft): 2460
Logged Interval (ft): 3600 To: T.D Total Depth (ft): 4575
Formation: Mississippi @ Total Depth
Type of Drilling Fluid: Chemical Mud

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

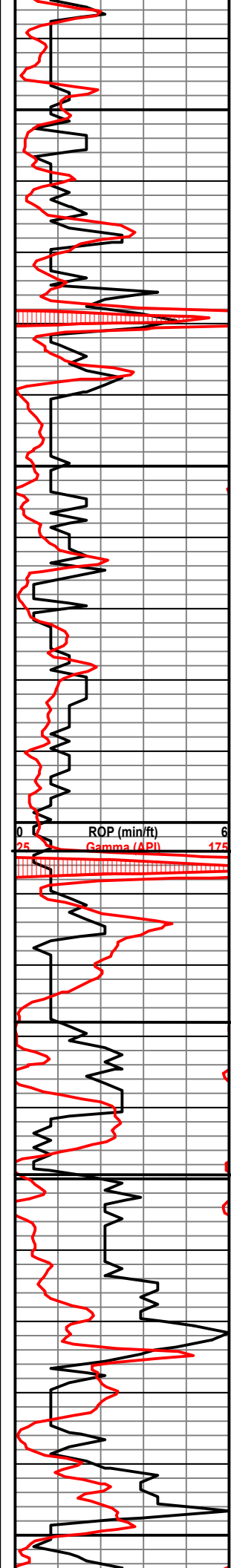
GEOLOGIST

Name: Keaton Jones
Company: Rockhound Petroleum, LLC
Address: 255 NE 30th
St. John KS 67576
(620)-546-4010

Well Tops Comparison

Lease: KB	A New Hope 2460			Lease: KB	Baus Trust G 1 2459	
Formation	Top	Datum	Strat Comp	Formation	Top	Datum
Anhy	1801	659	5	Anhy	1805	654
Heebner	3805	-1345	9	Heebner	3813	-1354
Toronto	3828	-1368	6	Toronto	3833	-1374
Lansing	3849	-1389	8	Lansing	3856	-1397
BKC	4139	-1679	8	BKC	4146	-1687
Marm	4203	-1743	0	Marm	4202	-1743
Pawnee	4260	-1800	7	Pawnee	4266	-1807
Fort Scott	4340	-1880	6	Fort Scott	4345	-1886
Cherokee	4368	-1908	3	Cherokee	4370	-1911
Miss	4442	-1982	0	Miss	4441	-1982

Filtrate: 7.6
CHL: 1,300
LCM: 2#



3700 Ls - Br - Med Xln - No Vis Por
Ls - Cream/ Br - MedXln - Weathered - Foss in Sme N/S
Ls - Br - fXln - No Vis Por
Ls - Gr - fXln - Interbed Shale - No Vis Por
sh - blk carb
Ls - Br - MedXln - Minstaining - Dirty - N/S
Ls - cream/Br - MedXln - InterXln Por - Br staining - Dirty - Chalky - N/S
Ls - Br - MedXln - Sandy Weathered - N/S
Ls - Br - MedXln - Weathered InterXln Por - Foss in sme - N/S
Ls - Cream/Br - MedXln - Highly Weathered - InterXln Por - N/S
3800 Ls - br - MedXln - weathered - interbed shale/Staining - N/S
Sh - Blk - carb
Ls - Cream/Br - MedXln - intrXln Por - Trc Foss - Fairly Dse - N/S
3850 Ls - Cream/Buff - fXln - No Vis Por
Ls - Cream/Buff - F-MedXln - SLightly Weathered - N/S
Sh - Blue/Gr - Sandy - soft-waxy
Sh - Blue/Gr
Ls - tan - MicroXln - Vry Dse - InterXln Por - N/S
3900 Sh - Br/Red - Soft - Sandy

Conn - 3702

Conn - 3732

Conn - 3763

Conn - 3795

Heebner (-1345)

- Mud Check -
Wt: 9.0
Vis: 52

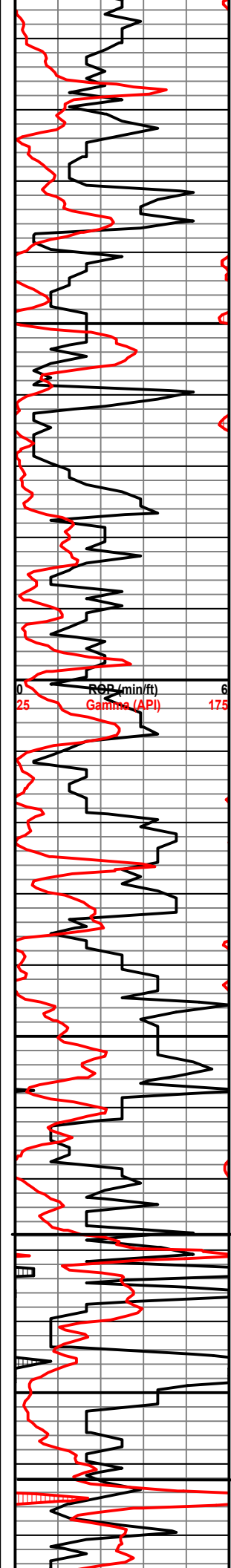
Conn - 3825

Toronto (-1368)

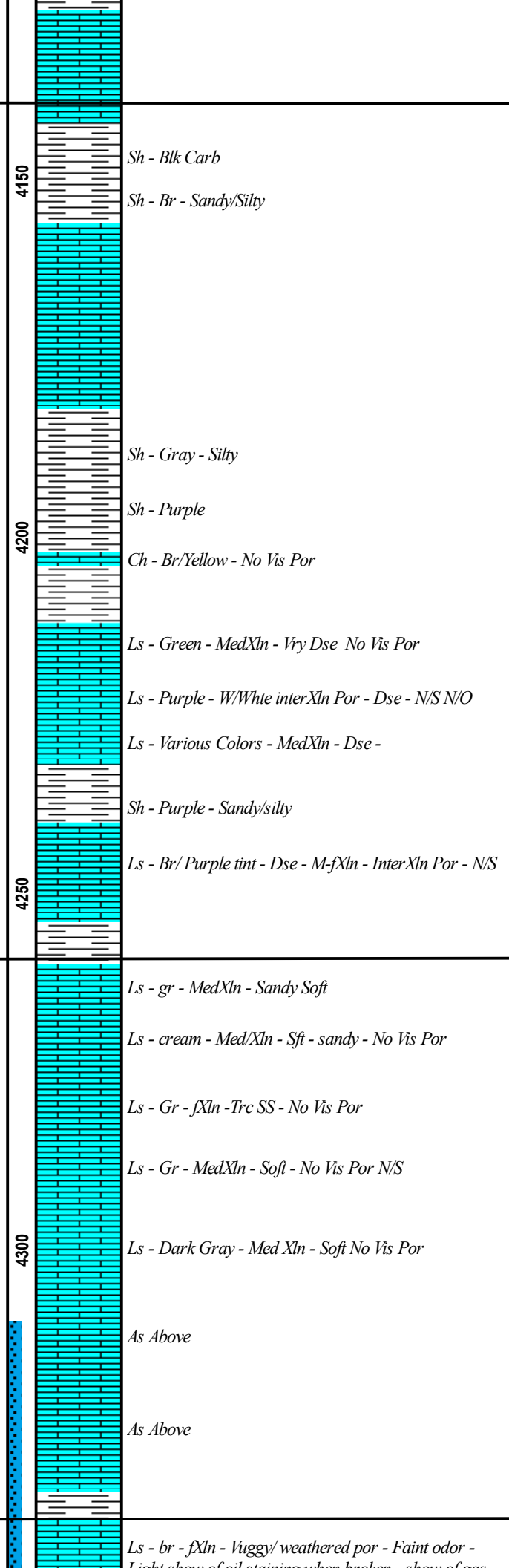
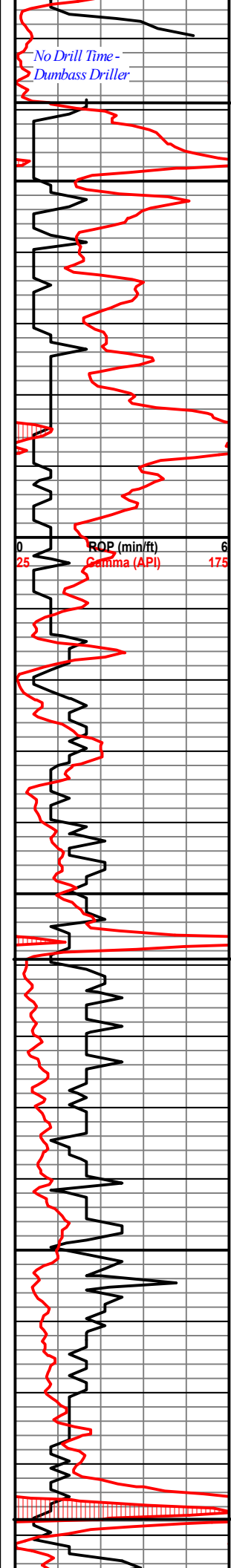
Lansing (-1389)

conn - 3856

Conn - 3887



3950	Ls - tan - MedXln - SLightly ooli - trc foss - N/S	
	Ls - Tan - MicroXln - No Vis Por	Conn - 3917
	Ls - Tan - fXln - No Vis Por - Dse	Picked up and spun Bit may be balled up
	Ls - Br/Tan - fXln - No Vis Por Dse	Conn - 3950
	Ls - tan/Br - MedXln - Highly oolic/ooli/oom Por weathered & Vuggy Por - trc Foss N/S	
	Ls -tan - fXln - No vis Por	Conn - 3981
4000		- Mud Check - Wt: 9.5 Vis: 45
	Ch - opaque - slightly ooli - dse	Conn - 4012
	Ls - Tan - MicroXln - No Vis Por N/S	
	Sh - Blk - Carb	
4050	Ch - clear/Wht - Highly Ooli - Dse - N/S	Conn - 4044
	Ls - Br - MedXln - Ooli/oom Por - N/S	
	Ls - Br - MicroXln - Dse	Stark (-1619)
4100	Sh - blk - Carb	Conn - 4075
	Sh Br - Sandy/Muddy	
	Ls - Tan - fXln - Dse - No Vis Por	Conn - 4106
	Ls - Tan - MedXln - Dse - InterXln Por in sme - Trc Foss - N/S	Hushpuckney (-1653)
	Sh - Blk Carb	



BKC - (-1679)

Conn - 4138

Sh - Blk Carb
 Sh - Br - Sandy/Silty

Conn - 4169

Sh - Gray - Silty
 Sh - Purple

- Mud Check -
 Wt: 9.4
 Vis: 48
 Lcm: 2#

Conn - 4200

Ch - Br/Yellow - No Vis Por
 Ls - Green - MedXln - Vry Dse No Vis Por
 Ls - Purple - W/White interXln Por - Dse - N/S N/O
 Ls - Various Colors - MedXln - Dse -
 Sh - Purple - Sandy/silty
 Ls - Br/ Purple tint - Dse - M-fXln - InterXln Por - N/S

Conn - 4232

Pawnee (-1800)

Ls - gr - MedXln - Sandy Soft
 Ls - cream - MedXln - Sft - sandy - No Vis Por
 Ls - Gr - fXln - Trc SS - No Vis Por
 Ls - Gr - MedXln - Soft - No Vis Por N/S
 Ls - Dark Gray - Med Xln - Soft No Vis Por

Conn - 4263

- DST (2)
 Interval 4310-4378

IF: 1/2 Inch
 ISI: No Blow
 FF: Died 10 Min
 FSI: No Blow

Recovery: 15' Oil Specked Mud

Conn - 4295

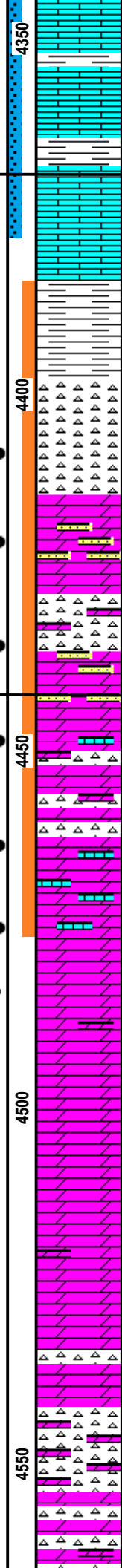
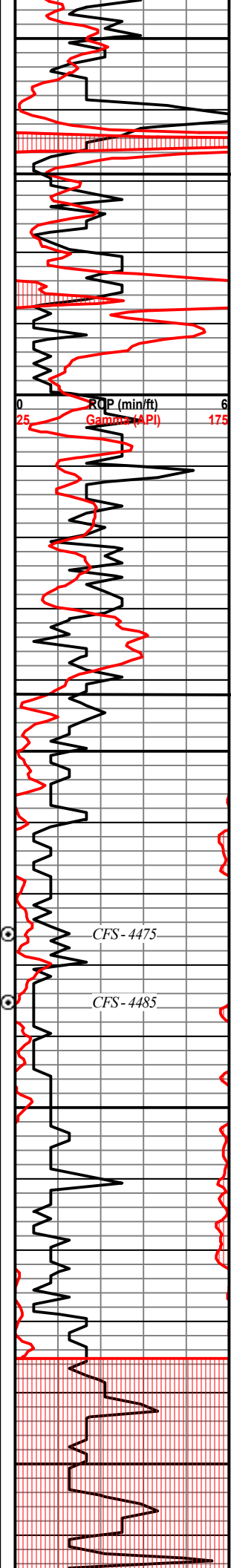
IHS: 2268
 FIF: 22
 FFF: 27
 SIF: 29
 SFF: 32
 ISIP: 676 FSIP: 116
 FHS: 2090

As Above
 As Above

Fort Scott (-1880)

Ls - br - fXln - Vuggy/ weathered por - Faint odor -
 Light show of oil staining when broken - show of egg

- Mud Check -



Light show of oil staining when broken - show of gas

Ls - fXln - Dse - No Vis Por - Still carrying an odor

Ch - wht - highly weathered - tripolitic - good show of free oil - show of gas on break - faint odor

SS - clear/gr - sub round - well sorted/consolidated - show of light free oil - show of gas on break - faint odor

Ch - br/green - highly oolitic - Dse - N/S in CH - Free oil in Tray - weak odor

SS - Clear - Rounded - well sort/consolidated - shaly - show of light free oil in tray - show of gas and well saturated oil on break - weak odor

Dolomitic LS - Wht - MedXln - Vuggy Porosity - Well Saturated oil show - Weak Odor

Dol - br - cherty - vuggy por - dse - good show of free oil and gas strong odor

Dolomitic LS - br - medXln - highly weathered - PP/Por - Vuggy Por - Heavily saturated - good show free oil and gas strong odor

Dol - br - Micro Xln - Vry Fine Dse - few WPP Por - No Live Oil - Mostly residue staining - Weak odor if any

dol - Br - MicroXln - Dse - Slightly weathered - N/S N/O

Dol - Cream/Buf - Micro Xln - Dse - N/S N/O

Dol - Br - Sucrosic in Few - Dse - N/S

Dol - Ch - Br W/ InterBed wht Ch - Dse - trs Foss Sme Oolitic

Dol - Cream - Cherty - MicroXln - No Vis Por

Ch - wht - Micro Xln - Vry Dse - Oolites - Sme vuggular Porosity N/S

Ch - opaque/wht - MicroXln - Dse Sharp Oolites - N/S

Depth: 4320
WT: 9.4
Vis: 57
Filtrate: 8.8
CHL: 2,000
LCM 2#

Cherokee (-1908)

Bit Trip @ 4400
Survey - 1 Degree
Divated

- Mud Check -
Depth: 4475
Wt: 9.5
Vis: 59
Filtrate: 9.6
CHL: 2,800
LCM: 2#

Miss (-1982)

- DST 1 -
Interval 4386-4475
Miss/Cherokee

IF: 3.5 inches
ISI: No Blow
FF: 6.5 Inches
FSI: No Blow

Recovery: 155'
10' Clean Oil
82" OCM 10% Oil
63' Mud
470' GIP

IHS: 2254
FIF: 20
FFF: 47
SIF: 52
SFF: 87
ISIP: 1071 FSIP: 961
FHS: 2161

Survey - 1 degree
Deviation @ 4475

- Mud Check -
Depth: 4575
Wt: 9.5
Vis: 55
Filtrate: 6.8
LCM: 1#



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton, KS 67114

ATTN: Keaton Jones

A New Hope #1

5-17s-24w Ness,KS

Start Date: 2022.01.24 @ 05:18:00

End Date: 2022.01.24 @ 12:24:30

Job Ticket #: 68329 DST #: 1

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

Printed: 2022.01.26 @ 11:30:59

Palomino Petroleum
5-17s-24w Ness,KS
A New Hope #1
DST # 1
Mississippi
2022.01.24



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum

5-17s-24w Ness,KS

4924 SE 84th St.
New ton, KS 67114

A New Hope #1

Job Ticket: 68329

DST#: 1

ATTN: Keaton Jones

Test Start: 2022.01.24 @ 05:18:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:22:15

Time Test Ended: 12:24:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

Interval: 4386.00 ft (KB) To 4475.00 ft (KB) (TVD)

Reference Elevations: 2460.00 ft (KB)

Total Depth: 4475.00 ft (KB) (TVD)

2452.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6625 Inside

Press@RunDepth: 87.05 psig @ 4387.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.24

End Date:

2022.01.24

Last Calib.:

2022.01.24

Start Time: 05:18:05

End Time:

12:24:29

Time On Btm:

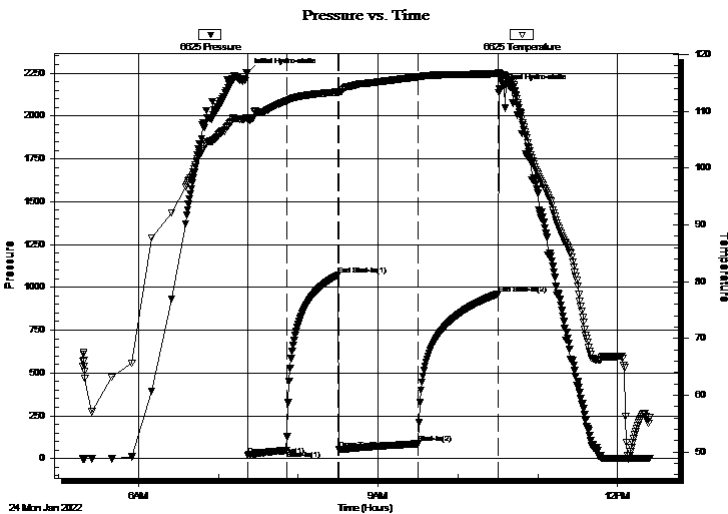
2022.01.24 @ 07:22:00

Time Off Btm:

2022.01.24 @ 10:31:00

TEST COMMENT: IF-30- Built to 3 1/2"
SI1-30- No return
FF-60- Built to 6 1/2"
SI2-60- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2253.53	108.84	Initial Hydro-static
1	20.49	108.53	Open To Flow (1)
30	46.99	111.80	Shut-In(1)
68	1070.59	113.39	End Shut-In(1)
69	52.38	113.40	Open To Flow (2)
128	87.05	116.04	Shut-In(2)
188	961.22	116.60	End Shut-In(2)
189	2161.13	116.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Oil 100%	0.14
82.00	OCM 97% mud 3% Oil	1.15
63.00	Mud 100%	0.88
0.00	470' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

5-17s-24w Ness,KS

4924 SE 84th St.
New ton, KS 67114

A New Hope #1

Job Ticket: 68329

DST#: 1

ATTN: Keaton Jones

Test Start: 2022.01.24 @ 05:18:00

Tool Information

Drill Pipe:	Length: 4382.00 ft	Diameter: 3.80 inches	Volume: 61.47 bbl	Tool Weight:	2700.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	58000.00 lb
			<u>Total Volume: 61.47 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	4386.00 ft			Final	53000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	89.00 ft				
Tool Length:	117.00 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			4359.00	
shut In Tool	5.00			4364.00	
hydraulic tool	5.00			4369.00	
Jars	5.00			4374.00	
Safety Joint	3.00			4377.00	
Packer	5.00			4382.00	28.00 Bottom Of Top Packer
Packer	4.00			4386.00	
Stubb	1.00			4387.00	
Recorder	0.00	6625	Inside	4387.00	
Recorder	0.00	8652	Outside	4387.00	
Perforations	17.00			4404.00	
change Over Sub	1.00			4405.00	
Drill Pipe	62.00			4467.00	
change Over Sub	1.00			4468.00	
Perforations	3.00			4471.00	
Bullnose	4.00			4475.00	89.00 Bottom Packers & Anchor
Total Tool Length:	117.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

5-17s-24w Ness,KS

4924 SE 84th St.
New ton, KS 67114

A New Hope #1

Job Ticket: 68329

DST#: 1

ATTN: Keaton Jones

Test Start: 2022.01.24 @ 05:18:00

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Oil 100%	0.140
82.00	OCM 97% mud 3% Oil	1.150
63.00	Mud 100%	0.884
0.00	470' GIP	0.000

Total Length: 155.00 ft

Total Volume: 2.174 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM

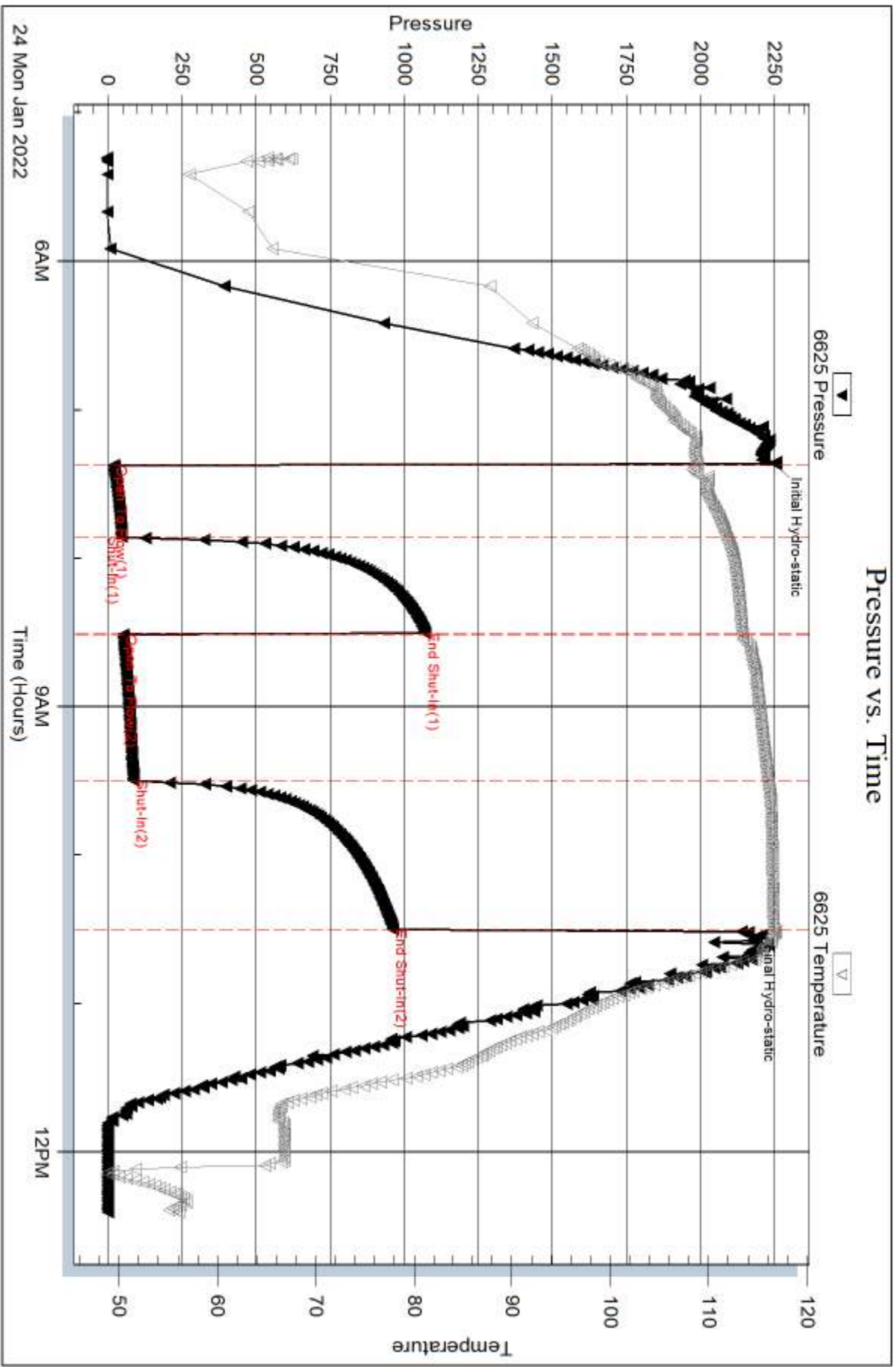
Serial #: 6625

Inside

Palomino Petroleum

A New Hope #1

DST Test Number: 1



24 Mon Jan 2022

6AM

9AM

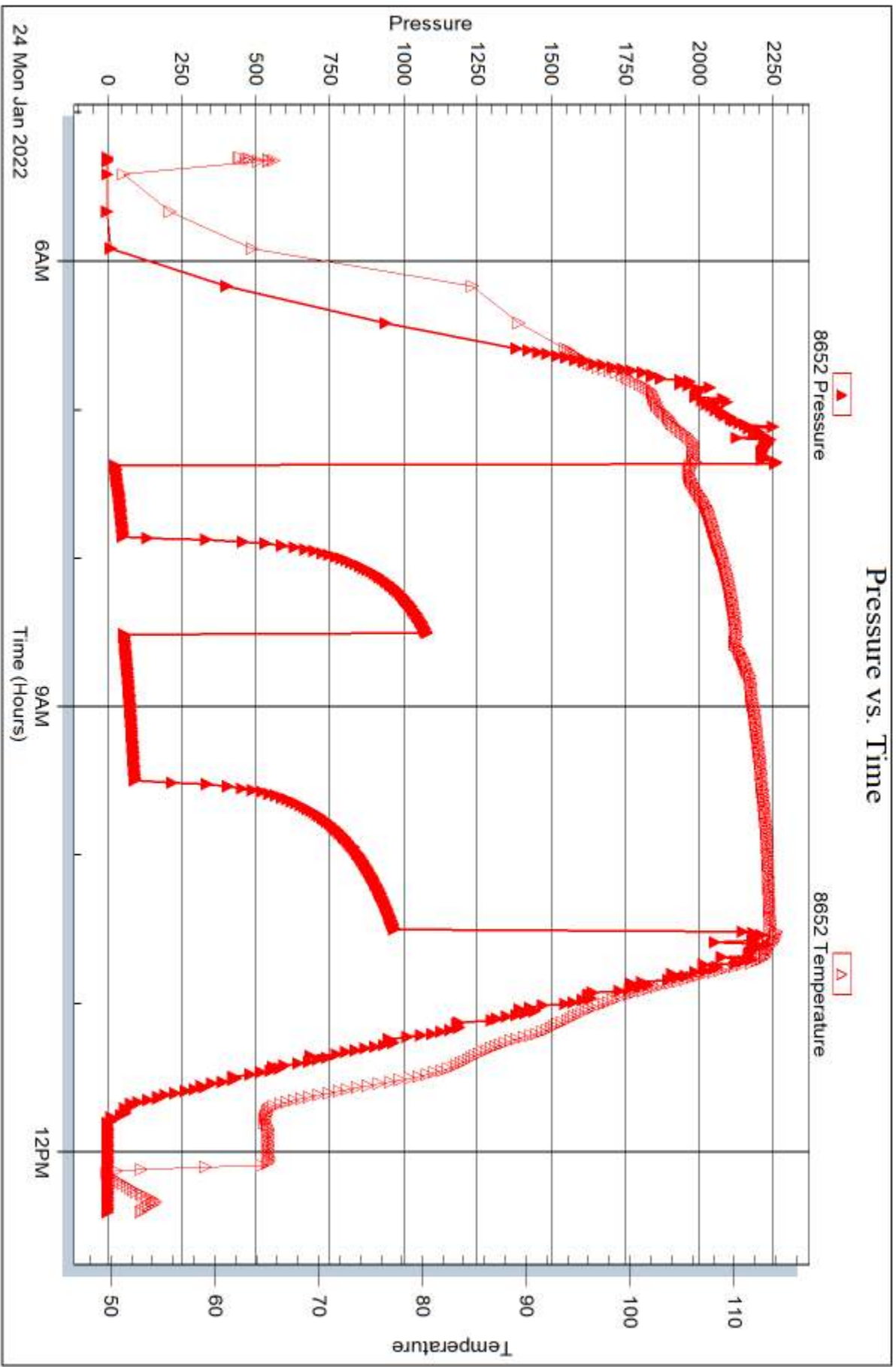
12PM

Serial #: 8652

Outside Palomino Petroleum

A New Hope #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton, KS 67114

ATTN: Keaton Jones

A New Hope #1

5-17s-24w Ness,KS

Start Date: 2022.01.25 @ 04:47:00

End Date: 2022.01.25 @ 12:56:30

Job Ticket #: 68330 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.01.26 @ 11:29:06



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum

5-17s-24w Ness, KS

4924 SE 84th St.
New ton, KS 67114

A New Hope #1

Job Ticket: 68330

DST#: 2

ATTN: Keaton Jones

Test Start: 2022.01.25 @ 04:47:00

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:29:30

Time Test Ended: 12:56:30

Test Type: Conventional Straddle (Reset)

Tester: Dustin Day

Unit No: 70

Interval: 4310.00 ft (KB) To 4378.00 ft (KB) (TVD)

Reference Elevations: 2460.00 ft (KB)

Total Depth: 4573.00 ft (KB) (TVD)

2452.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8652 Outside

Press@RunDepth: 32.07 psig @ 4311.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.25 End Date: 2022.01.25

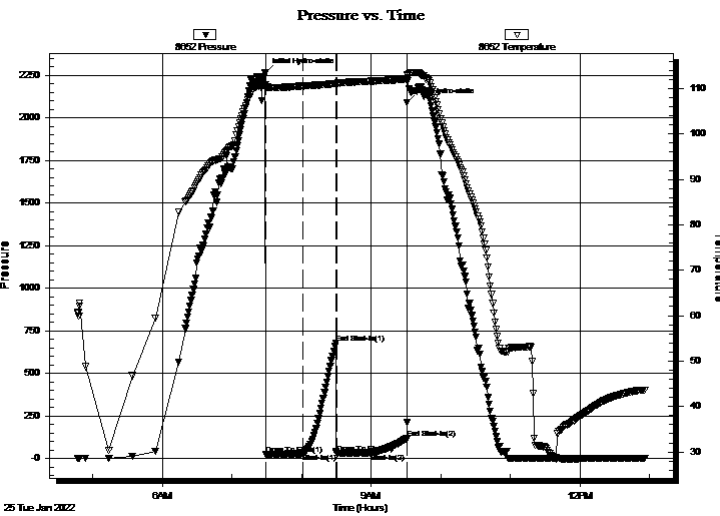
Last Calib.: 2022.01.25

Start Time: 04:47:05 End Time: 12:56:29

Time On Btm: 2022.01.25 @ 07:29:00

Time Off Btm: 2022.01.25 @ 09:31:00

TEST COMMENT: IF-30- Built to 1 1/2"
SI1-30- No return
FF-30- Weak surface blow , died in 10 min.
SI2-30- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2267.94	110.79	Initial Hydro-static
1	21.86	109.99	Open To Flow (1)
32	27.37	110.55	Shut-In(1)
61	675.82	111.07	End Shut-In(1)
62	28.76	111.06	Open To Flow (2)
92	32.07	111.61	Shut-In(2)
122	116.21	112.00	End Shut-In(2)
122	2089.82	113.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100% oilm spots in tool	0.07

* 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

5-17s-24w Ness,KS

4924 SE 84th St.
New ton, KS 67114

A New Hope #1

Job Ticket: 68330

DST#: 2

ATTN: Keaton Jones

Test Start: 2022.01.25 @ 04:47:00

Tool Information

Drill Pipe:	Length: 4256.00 ft	Diameter: 3.80 inches	Volume: 59.70 bbl	Tool Weight: 2700.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 58.00 ft	Diameter: 2.25 inches	Volume: 0.29 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 59.99 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4310.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	4573.00 ft			
Interval between Packers:	263.00 ft			
Tool Length:	291.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Change Over Sub	1.00			4283.00	
shut In Tool	5.00			4288.00	
hydraulic tool	5.00			4293.00	
Jars	5.00			4298.00	
Safety Joint	3.00			4301.00	
Packer	5.00			4306.00	28.00 Bottom Of Top Packer
Packer	4.00			4310.00	
Stubb	1.00			4311.00	
Recorder	0.00	6625	Inside	4311.00	
Recorder	0.00	8652	Outside	4311.00	
perforations	28.00			4339.00	
change Over Sub	1.00			4340.00	
drill Pipe	31.00			4371.00	
change Over Sub	1.00			4372.00	
Perforations	2.00			4374.00	
blank Off Sub	1.00			4375.00	
packer	3.00			4378.00	
packer	1.00			4379.00	
stubb	1.00			4380.00	
Change Over Sub	1.00			4381.00	
Recorder	0.00	8167	Below	4381.00	
Drill Pipe	187.00			4568.00	
change Over Sub	1.00			4569.00	
bullnose	4.00			4573.00	263.00 Bottom Packers & Anchor
Total Tool Length:	291.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

5-17s-24w Ness,KS

4924 SE 84th St.
New ton, KS 67114

A New Hope #1

Job Ticket: 68330

DST#: 2

ATTN: Keaton Jones

Test Start: 2022.01.25 @ 04:47:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
15.00	Mud 100% oilm spots in tool	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

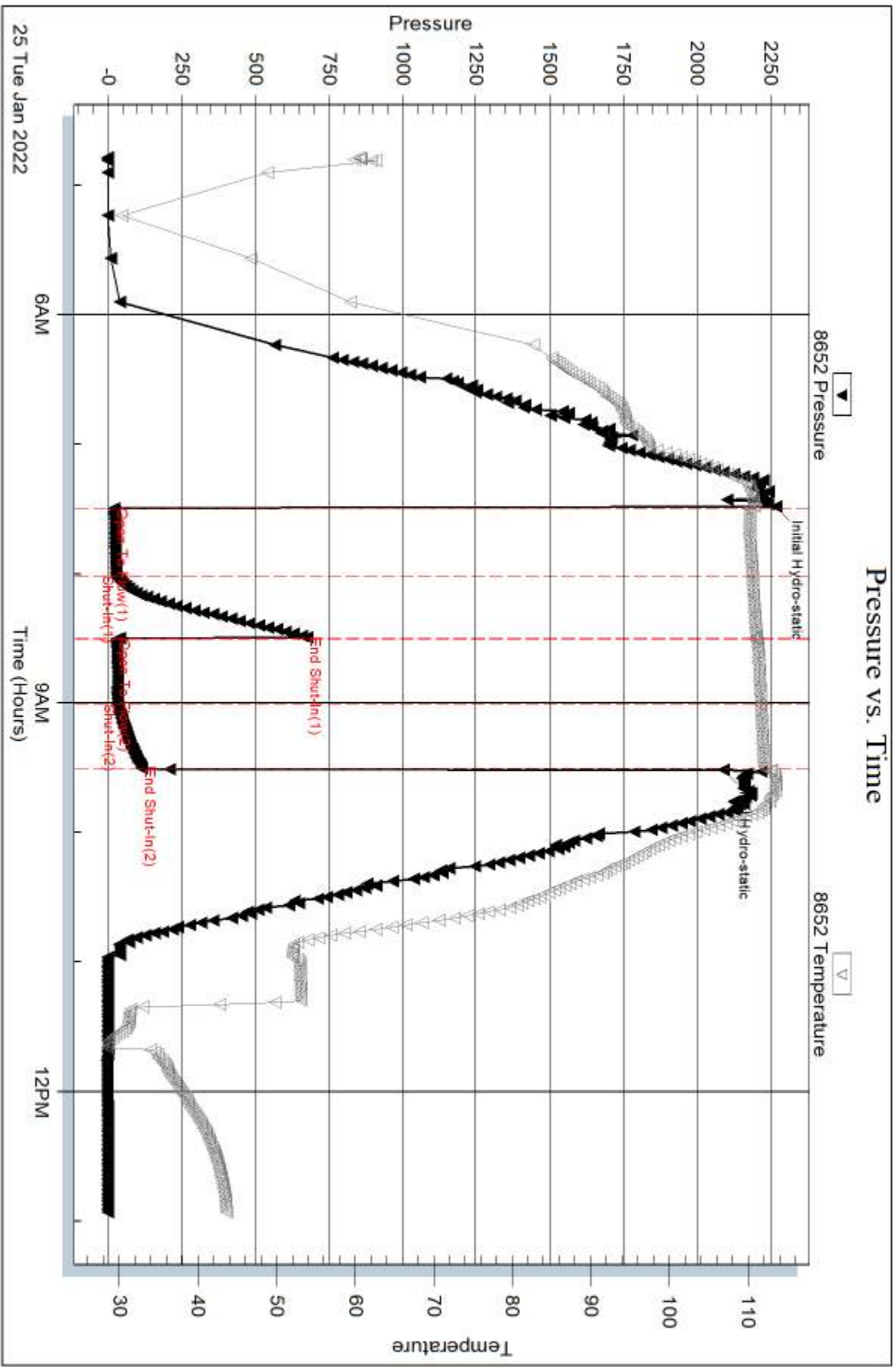
Recovery Comments: 1# LCM

Serial #: 8652

Outside Palomino Petroleum

A New Hope #1

DST Test Number: 2



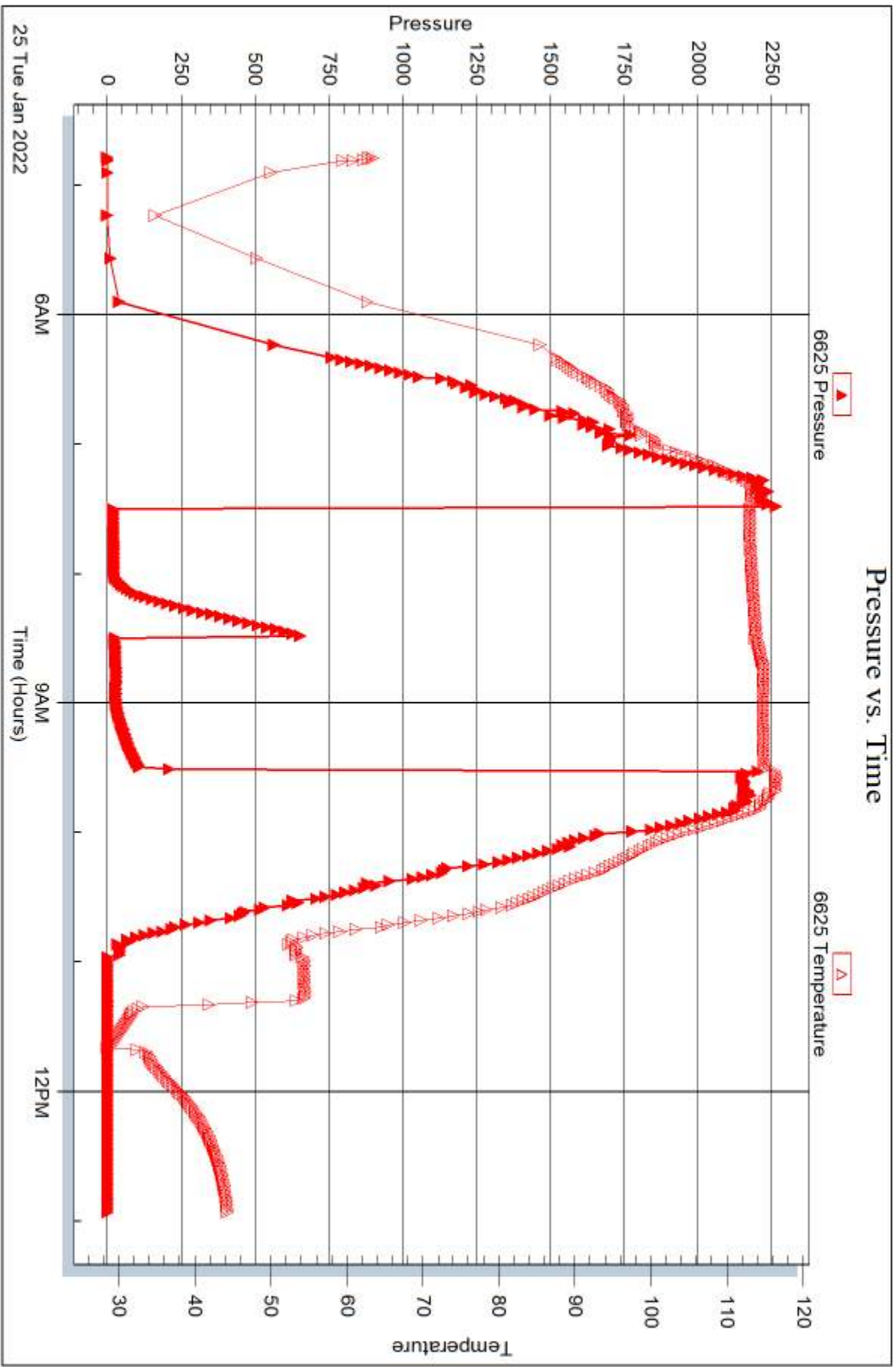
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Inside

Palomino Petroleum

A New Hope #1

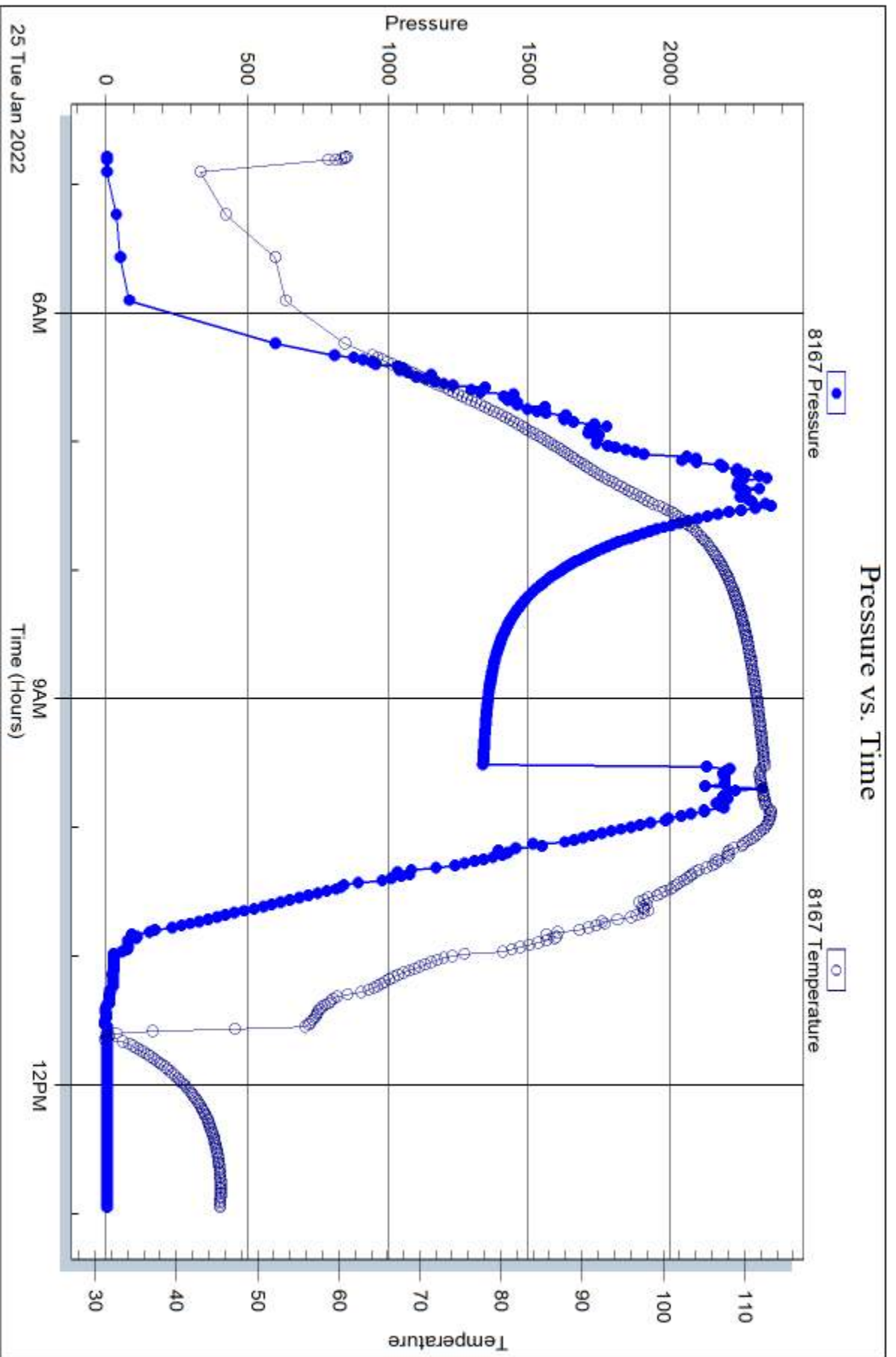
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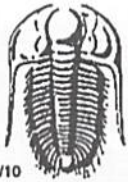


Tribble Testing, Inc

Ref. No: 68330

Printed: 2022.01.26 @ 11:29:08





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **68329**

Well Name & No. A New Hope #1 Test No. 1 Date 1/24/22
 Company Palomino Petroleum Elevation 2460 KB 2452 GL
 Address 4924 SE 84th St Newton, KS 67114
 Co. Rep / Geo. Keaton Jones Rig Duke rig #2
 Location: Sec. 5 Twp 17 Rge. 24 Co. NESS State KS

Interval Tested ~~201600~~ 4386-4475 Zone Tested MISS
 Anchor Length 89 Drill Pipe Run 4382 Mud Wt. 9.4
 Top Packer Depth ~~60000~~ 4386 Drill Collars Run φ Vis 57
 Bottom Packer Depth ~~201850~~ 4381 Wt. Pipe Run φ WL 8.8
 Total Depth 4475 Chlorides 2000 ppm System LCM 2#

Blow Description IF- Built to 3 1/2"
S12- No return
EF- Built to 6 1/2"
S12- No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10'</u>	<u>oil</u>		<u>100%</u>		
<u>82'</u>	<u>OCM</u>		<u>3</u>		<u>97</u>
<u>63'</u>	<u>Mud</u>				<u>100</u>
<u>470'</u>	<u>GIP</u>				

Rec Total 155 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2254</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>04:15</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>05:18</u>
(C) First Final Flow <u>47</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>07:21</u>
(D) Initial Shut-In <u>1071</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/A</u>	T-Pulled <u>10:29</u>
(E) Second Initial Flow <u>52</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>12:24</u>
(F) Second Final Flow <u>87</u>	<input checked="" type="checkbox"/> Mileage <u>115</u> 143.75	Comments _____
(G) Final Shut-In <u>961</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2161</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> EM Tool _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>30 38</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility _____	Total <u>1918.75</u>
	Sub Total <u>1918.75</u>	MP/DST Disc't _____

Approved By _____ Our Representative DWAD

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **68330**

Well Name & No. A New Hope #1 Test No. 2 Date 1/25/22
 Company Palomino Petroleum Elevation 2460 KB 2452 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Kceton Jones Rig Duke Rig #2
 Location: Sec. 5 Twp 17 Rge. 24 Co. NESS State KS

Interval Tested 4310-4378 Zone Tested FT. Scott
 Anchor Length 68 Drill Pipe Run 4256 Mud Wt. 9.5
 Top Packer Depth 4310 Drill Collars Run 58 Vis 55
 Bottom Packer Depth 4305 Wt. Pipe Run Ø WL 6.8
 Total Depth 4573 Chlorides 2900 ppm System LCM 1#

Blow Description IF Built to 1 1/2"
S14 - No return
FF - Weak surface blow, died in 10 min

S12 - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Mud</u>			<u>100</u>	
	<u>oil spot in tool</u>				

Rec Total 15' BHT 113 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2268</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>03:20</u>
(B) First Initial Flow <u>22</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>04:47</u>
(C) First Final Flow <u>27</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>07:29</u>
(D) Initial Shut-In <u>676</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/A</u>	T-Pulled <u>09:29</u>
(E) Second Initial Flow <u>29</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>12:56</u>
(F) Second Final Flow <u>32</u>	<input checked="" type="checkbox"/> Mileage <u>115</u> 143.75	Comments _____
(G) Final Shut-In <u>116</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2090</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> EM Tool _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility _____	Total <u>2518.75</u>
	Sub Total <u>2518.75</u>	MP/DST Disc't _____

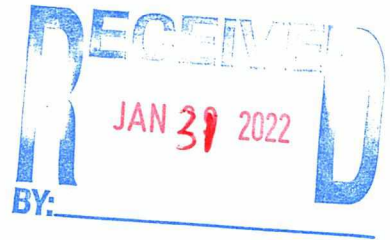
Approved By _____ Our Representative [Signature]

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



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: 1/18/2022
Invoice #: 0358324
Lease Name: A New Hope
Well #: 1 (New)
County: Ness, Ks
Job Number: WP2330
District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Depth Charge 0'-500'	1.000	920.000	920.00
Heavy Eq Mileage	90.000	3.680	331.20
Light Eq Mileage	90.000	1.840	165.60
Ton Mileage	891.000	1.380	1,229.58
H-325	200.000	18.400	3,680.00
Cement Blending & Mixing	200.000	1.288	257.60

cement for surface for #1

1/18

Total 6,583.98 ✓

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!

