

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)</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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Pyan Seib
 Petroleum Geologist
 615 S. Troska
 Near City, KS 67260
 (785) 790-5833

Geological Section
 GALVESTON CO. TEXAS
 INCLUDING THE AM. SOUTHERN LOS

Location 1627' EST & 827' FEL
 SEC. 14 T14S R14E
 COMP. Pass STRIP R15
 CORNER Dike Dr. 1/3 R15 #2
 1/3/1/1
 4650' 12/11/21
 3400' 1/1/1/1
 3000' RTD
 3400' RTD
 3600' RTD
 3550' RTD
 15-25-64135

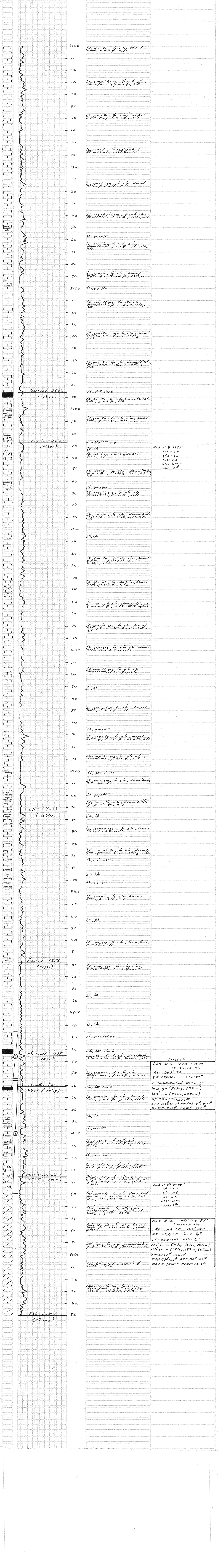
Field
 EL 2578'
 From K8
 CHANG RECORD
 858' @
 25' -
 5 1/2' -
 C&D, DTL,
 M' 500

Log
 Heebner 3886 (-1299)
 Laning 3328 (-1341)
 D/KC 4233 (-1644)
 Purvace 4358 (-1771)
 Ft. Scott 4435 (-1848)
 Cecolke St 4461 (-1848)
 Mississippi 4535 (-1948)
 RTD 4650 (-2063)

LEGEND

Andesite Soil Sandstone Shale Gyps. & Limestone Oil/Lime Chert Dolomite

SCALE " = 100'



S



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: 12/20/2021
 Invoice #: 0357830
 Lease Name: Kid Galahad
 Well #: 1 (New)
 County: Ness, Ks
 Job Number: WP2239
 District: Pratt

Date/Description	HRS/QTY	Rate	Total
Longstring	0.000	0.000	0.00
H-CON	125.000	19.320	2,415.00
H-Long	100.000	25.760	2,576.00
5 1/2" Floatshoe-Flapper AFU	1.000	345.000	345.00
5 1/2" LD Plug & Baffle	1.000	322.000	322.00
5 1/2" Port Collar	1.000	3,220.000	3,220.00
Cement baskets 5 1/2"	2.000	276.000	552.00
5 1/2" Turbolizers	10.000	73.600	736.00
Mud flush	500.000	0.920	460.00
Liquid KCL Substitute 2	1.000	18.400	18.40
Light Eq Mileage	52.000	1.840	95.68
Heavy Eq Mileage	52.000	3.680	191.36
Ton Mileage	551.000	1.380	760.38
Depth Charge 4001'-5000'	1.000	2,300.000	2,300.00
Cement Plug Container	1.000	230.000	230.00
Cement Data Acquisition	1.000	230.000	230.00

Total 14,451.82

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!



CEMENT TREATMENT REPORT

Customer:	PALAMINO PETROLEUM	Well:	KID GALAHAD 1	Ticket:	WP2239
City, State:		County:	NESS, KS.	Date:	12/20/2021
Field Rep:	DALTON POPP	S-T-R:	16-16S-25W	Service:	LONGSTRING

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	4650 ft
Casing Size:	5 1/2 in
Casing Depth:	4643.01 ft
Shoe Jt:	42 1/2 ft
PLUG Depth:	4600.51 ft
PORT COLLAR:	1999'
Tool Depth:	ft
Displacement:	112.3 bbls

14#

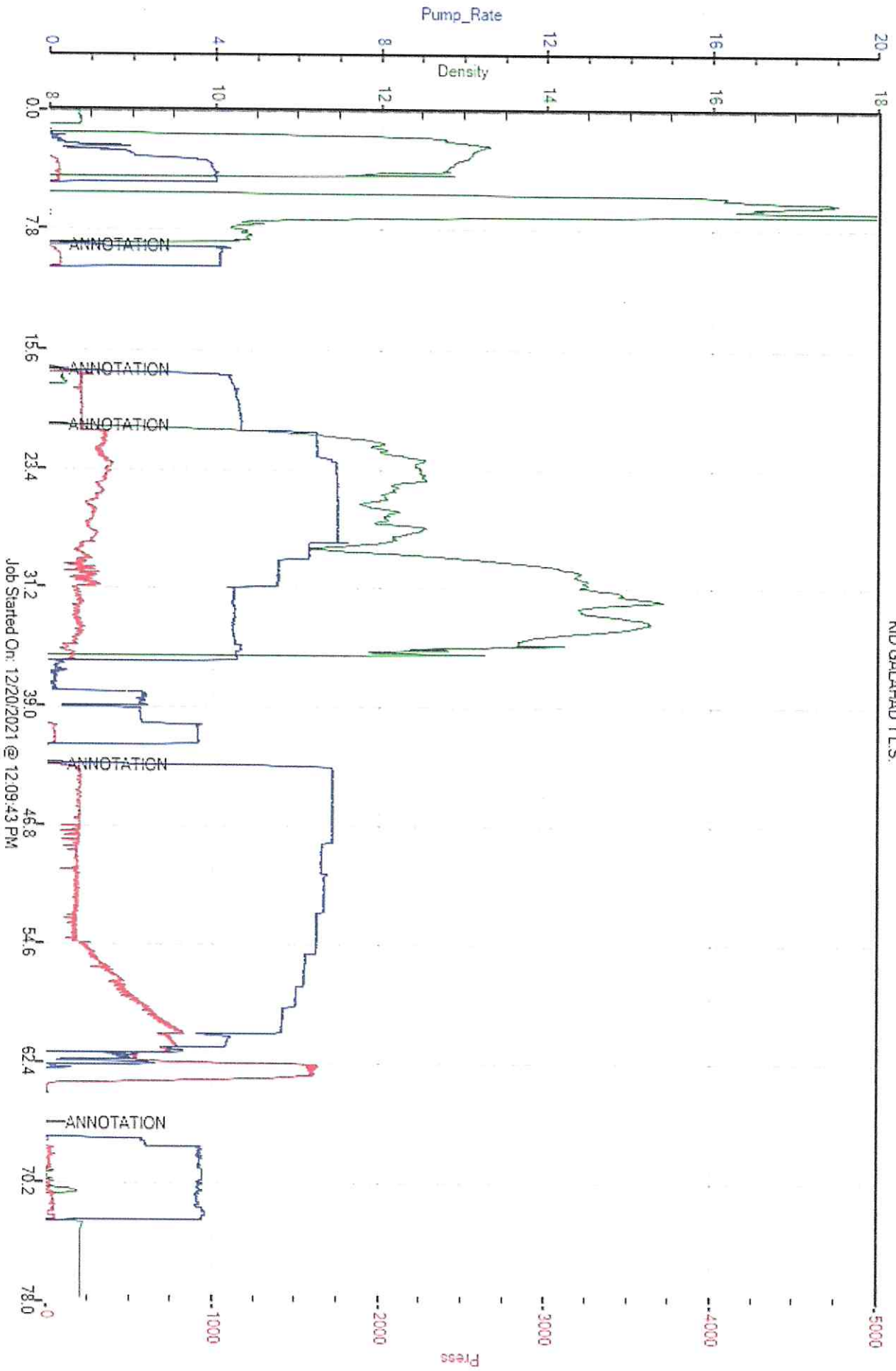
Calculated Slurry - Lead	
Blend:	H-CON
Weight:	11.6 ppg
Water / Sx:	16.8 gal / sx
Yield:	2.77 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	37.0 bbls
Total Sacks:	75 sx

Calculated Slurry - Tail	
Blend:	H-LONG
Weight:	15 ppg
Water / Sx:	6.0 gal / sx
Yield:	1.42 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	25.3 bbls
Total Sacks:	100 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
5:00AM			-	-	ON LOCATION - SPOT EQUIPMENT
9:00AM					RUN 5 1/2" X 14# CASING
					TURBOLIZERS- 1,2,3,4,5,6,7,8,9,63
					BASKETS- pin end of 18 and 62
					PORT COLLAR- COLLAR OF 62, PIN END OF 63
					CASING ON BOTTOM
11:15AM					HOOK UP TO CASING AND BREAK CIRCULATION WITH RIG PUMP AND MUD
12:15PM	3.0		7.0	7.0	PLUG RATHOLE WITH 30 SKS H-CON @ 12 PPG
12:25PM	3.0		5.0	12.0	PLUG MOUSEHOLE WITH 20 SKS H-CON @ 12 PPG
12:35PM	6.0	400.0	5.0	17.0	H2o AHEAD
12:36PM	6.0	400.0	12.0	29.0	MUD FLUSH
12:38PM	6.0	400.0	5.0		H2o SPACER
12:39PM	6.0	400.0	37.0		MIX 75 SKS H-CON @ 11.6 PPG
12:45PM	6.0	300.0	25.3		MIX 100 SKS H-LONG @ 15 PPG
12:50PM					SHUT DOWN - CLEAR PUMP AND LINES- DROP LATCH DOWN PLUG
12:56PM	6.0	-	-		START DISPLACEMENT
12:07PM	5.0	500.0	63.0		LIFT PRESSURE
1:12PM	4.0	600.0	100.0		SLOW RATE
1:15PM	3.0	1,500.0	112.3		PLUG DOWN - HELD
					CIRCULATION THRU JOB
					WASH UP PUMP TRUCK
					JOB COMPLETE,
					THANKS- KEVEN AND CREW

CREW		UNIT	SUMMARY		
Cementer:	LESLEY	75	Average Rate	Average Pressure	Total Fluid
Pump Operator:	OSBORN	179-521	4.9 bpm	500 psi	372 bbls
Bulk #1:	MARTINEZ	182-256			
Bulk #2:					

PALAMINO
KID GALAHAD 1 L.S.





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: 12/13/2021
 Invoice #: 0357787
 Lease Name: Kid Galahad
 Well #: 1 (New)
 County: Ness, Ks
 Job Number: WP2216
 District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
H-325	170.000	18.000	3,060.00
Light Eq Mileage	52.000	1.800	93.60
Heavy Eq Mileage	52.000	3.600	187.20
Ton Mileage	415.500	1.350	560.93
Depth Charge 0'-500'	1.000	900.000	900.00

Total 4,801.73

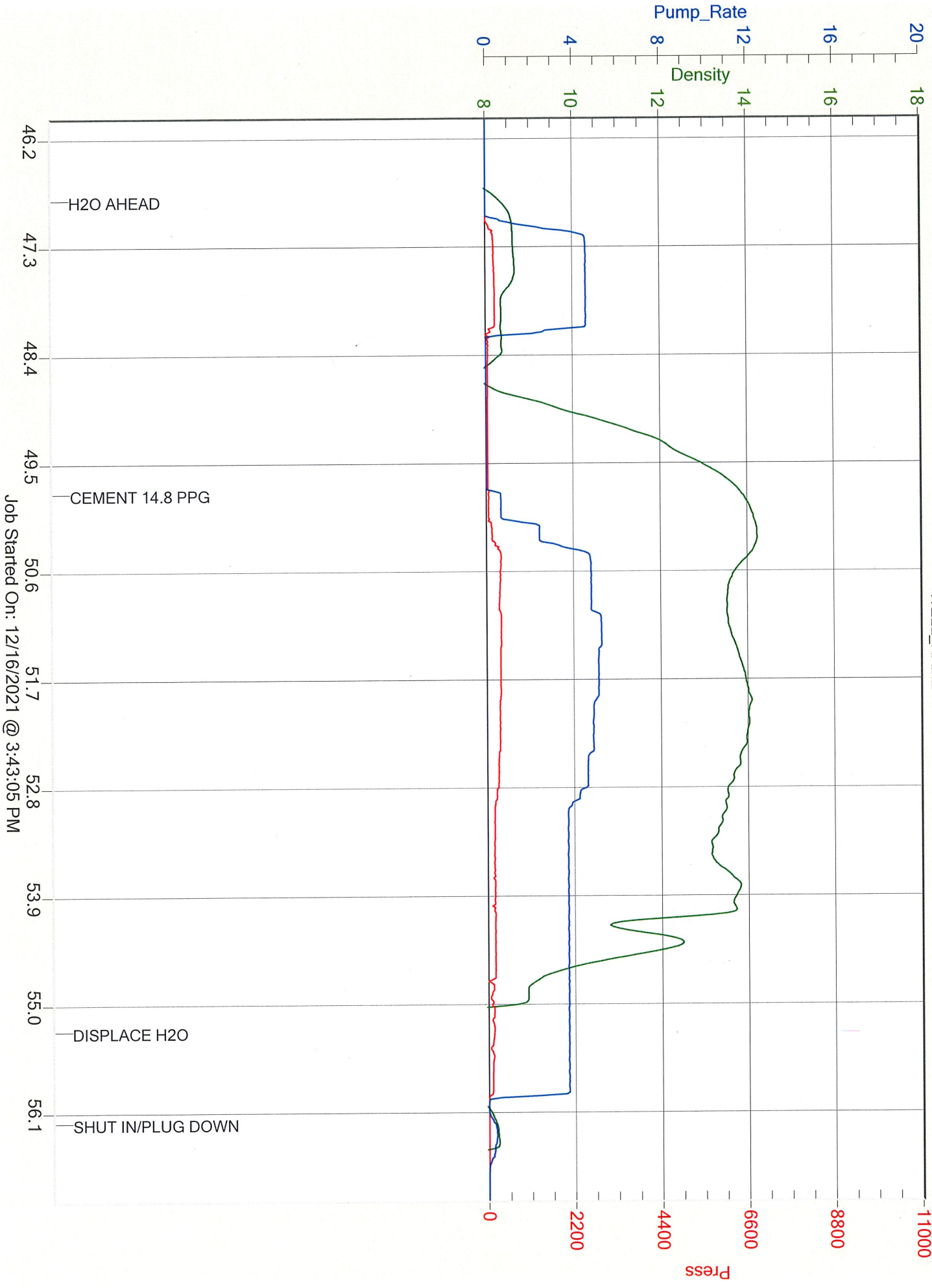
TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus 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!

Palomino Petroleum

WELL_NAME



Job Started On: 12/16/2021 @ 3:43:05 PM



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Kid Galahad #1

16-16s-25w Ness,KS

Start Date: 2021.12.18 @ 09:52:00

End Date: 2021.12.18 @ 16:48:02

Job Ticket #: 67970 DST #: 1

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

Printed: 2021.12.24 @ 12:47:42



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114
ATTN: Ryan Seib

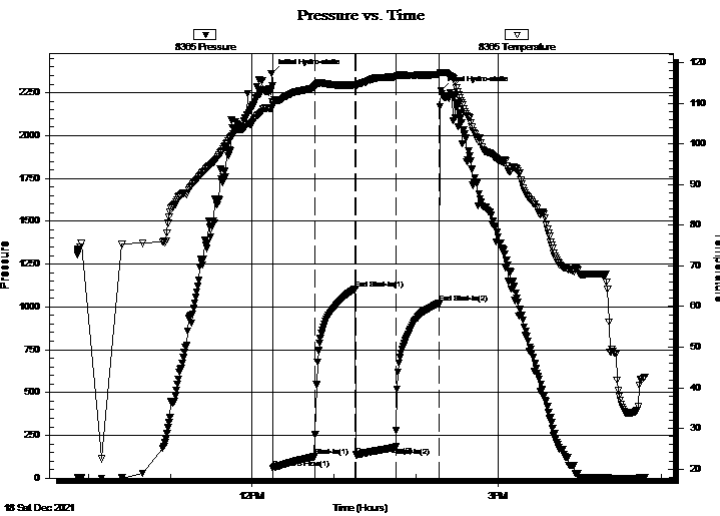
16-16s-25w Ness,KS
Kid Galahad #1
Job Ticket: 67970 **DST#: 1**
Test Start: 2021.12.18 @ 09:52:00

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:15:17
Time Test Ended: 16:48:02
Interval: **4454.00 ft (KB) To 4549.00 ft (KB) (TVD)**
Total Depth: 4549.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Webster
Unit No: 72
Reference Elevations: 2587.00 ft (KB)
2579.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8365 Inside
Press@RunDepth: 182.24 psig @ 4455.00 ft (KB) Capacity: psig
Start Date: 2021.12.18 End Date: 2021.12.18 Last Calib.: 2021.12.18
Start Time: 09:52:01 End Time: 16:48:02 Time On Btm: 2021.12.18 @ 12:14:02
Time Off Btm: 2021.12.18 @ 14:18:32

TEST COMMENT: 30 IF- WSB BOB 15 min
30 ISL- 1/4" return
30 FF- WSB BOB20 min
30 FSL- 1/4" return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2363.29	108.84	Initial Hydro-static
2	59.00	109.63	Open To Flow (1)
32	126.12	114.05	Shut-In(1)
62	1105.93	114.57	End Shut-In(1)
62	136.45	114.36	Open To Flow (2)
92	182.24	116.63	Shut-In(2)
123	1019.81	117.11	End Shut-In(2)
125	2261.62	117.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	124' GIP	0.00
186.00	15% Gas 45% Oil 40% Mud	2.61
124.00	35% Gas 15% Oil 50% Mud	1.74

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

16-16s-25w Ness,KS

4924 SE 84th St
New ton, KS 67114

Kid Galahad #1

Job Ticket: 67970

DST#: 1

ATTN: Ryan Seib

Test Start: 2021.12.18 @ 09:52:00

Tool Information

Drill Pipe:	Length: 4437.00 ft	Diameter: 3.80 inches	Volume: 62.24 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 62.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4454.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	95.00 ft			
Tool Length:	122.00 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			4428.00	
Shut In Tool	5.00			4433.00	
Hydraulic tool	5.00			4438.00	
Jars	5.00			4443.00	
Safety Joint	2.00			4445.00	
Packer	5.00			4450.00	27.00 Bottom Of Top Packer
Packer	4.00			4454.00	
Stubb	1.00			4455.00	
Recorder	0.00	8365	Inside	4455.00	
Recorder	0.00	6752	Outside	4455.00	
Perforations	27.00			4482.00	
Change Over Sub	1.00			4483.00	
Drill Pipe	62.00			4545.00	
Change Over Sub	1.00			4546.00	
Bullnose	3.00			4549.00	95.00 Bottom Packers & Anchor

Total Tool Length: 122.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114
ATTN: Ryan Seib

16-16s-25w Ness,KS
Kid Galahad #1
Job Ticket: 67970 **DST#: 1**
Test Start: 2021.12.18 @ 09:52:00

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: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2300.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	124' GIP	0.000
186.00	15% Gas 45% Oil 40% Mud	2.609
124.00	35% Gas 15% Oil 50% Mud	1.739

Total Length: 310.00 ft Total Volume: 4.348 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 1#LCM

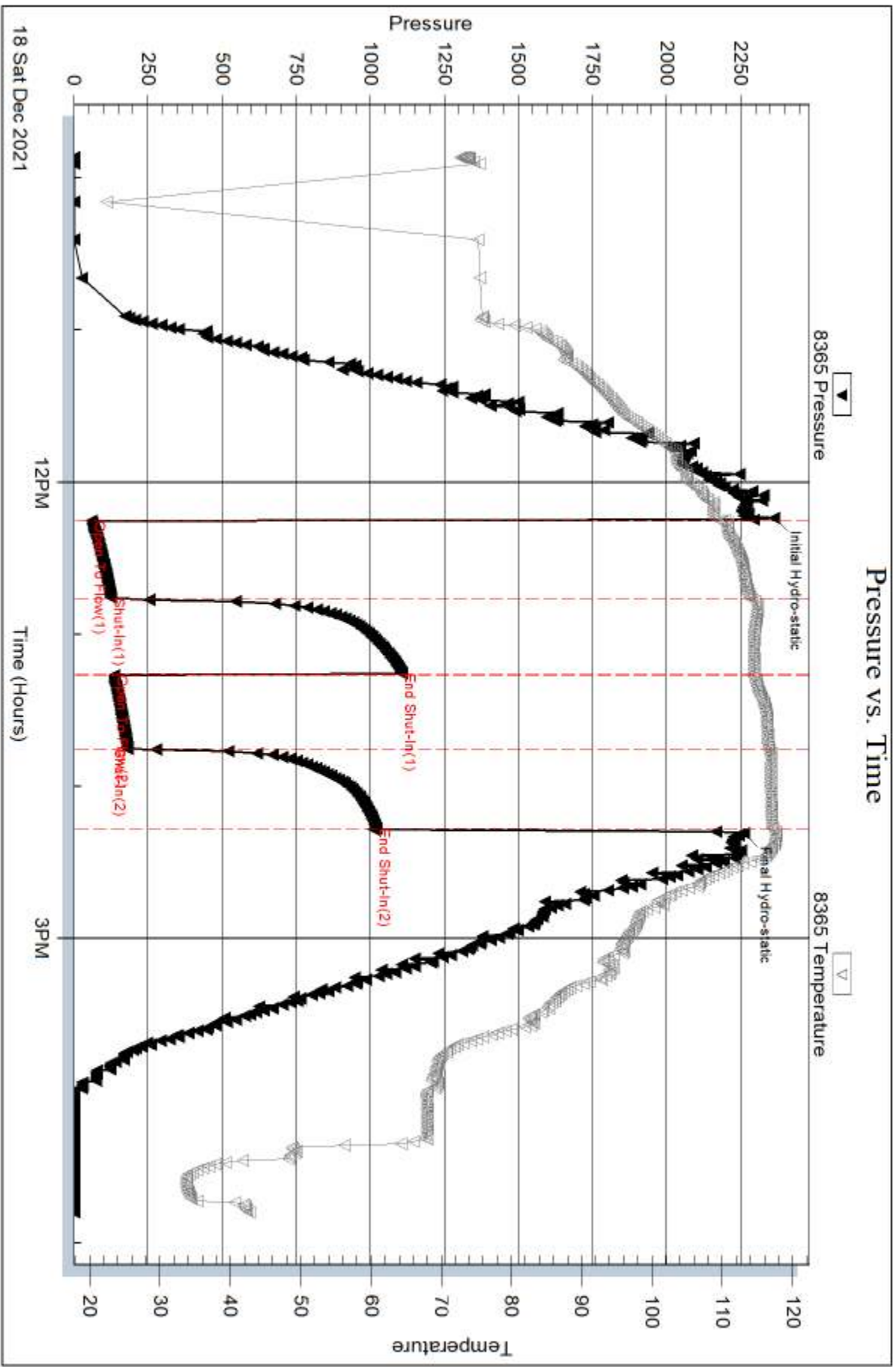
Serial #: 8365

Inside

Palomino Petroleum

Kid Galahad #1

DST Test Number: 1



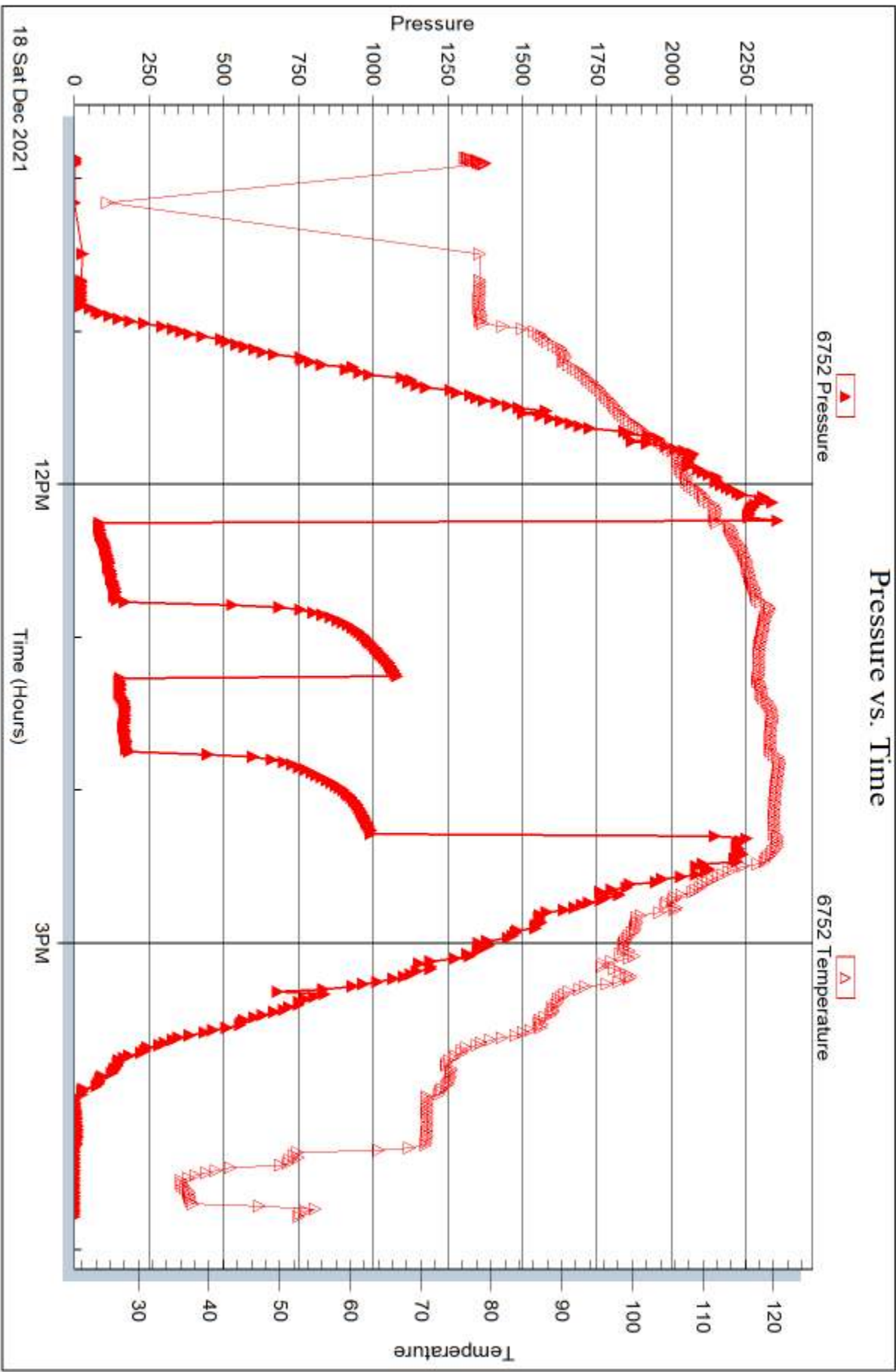
Serial #: 6752

Outside

Palomino Petroleum

Kid Galahad #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 67970

Printed: 2021.12.24 @ 12:47:45



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Ryan Seib

Kid Galahad #1

16-16s-25w Ness,KS

Start Date: 2021.12.19 @ 22:31:16

End Date: 2021.12.20 @ 10:03:03

Job Ticket #: 67971 DST #: 2

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

Printed: 2021.12.24 @ 12:48:47



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114
ATTN: Ryan Seib

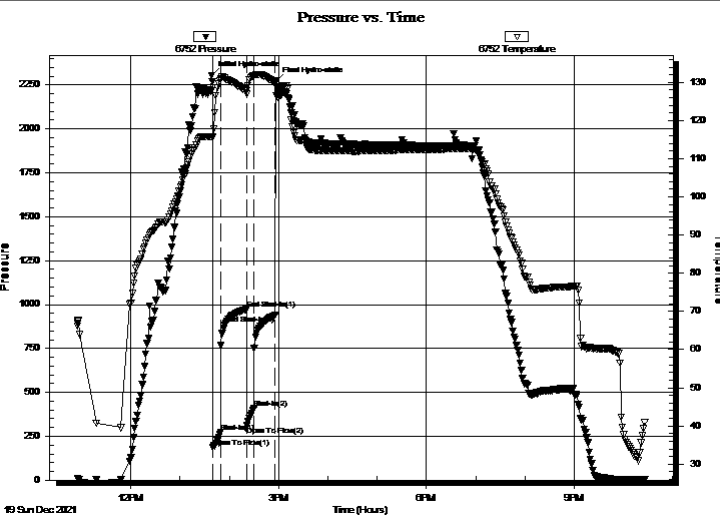
16-16s-25w Ness,KS
Kid Galahad #1
Job Ticket: 67971 **DST#: 2**
Test Start: 2021.12.19 @ 22:31:16

GENERAL INFORMATION:

Formation: **Ft Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:16:03
Time Test Ended: 10:03:03
Interval: **4415.00 ft (KB) To 4456.00 ft (KB) (TVD)**
Total Depth: 4650.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition:
Test Type: Conventional Straddle (Reset)
Tester: Kevin Webster
Unit No: 72
Reference Elevations: 2587.00 ft (KB)
2579.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6752 Outside
Press@RunDepth: 410.33 psig @ 4416.00 ft (KB) Capacity: psig
Start Date: 2021.12.19 End Date: 2021.12.19 Last Calib.: 2021.12.19
Start Time: 10:55:17 End Time: 22:27:03 Time On Btm: 2021.12.19 @ 13:38:18
Time Off Btm: 2021.12.19 @ 14:56:48

TEST COMMENT: 10 IF- BOB 30 sec
30 IS- Returns built to 64"
10 FF- BOB as soon as open
30 FSI- Returns built to 56" GTS



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2304.76	115.73	Initial Hydro-static
2	188.78	115.46	Open To Flow (1)
11	274.31	130.68	Shut-In(1)
43	973.71	127.82	End Shut-In(1)
43	309.39	126.93	Open To Flow (2)
52	410.33	131.72	Shut-In(2)
78	938.32	129.91	End Shut-In(2)
79	2270.31	130.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1023.00	50% oil 50% gas	14.35
124.00	40% oil 60% 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

16-16s-25w Ness,KS

4924 SE 84th St
New ton, KS 67114

Kid Galahad #1

Job Ticket: 67971

DST#: 2

ATTN: Ryan Seib

Test Start: 2021.12.19 @ 22:31:16

Tool Information

Drill Pipe:	Length: 4383.00 ft	Diameter: 3.80 inches	Volume: 61.48 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 61.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	4415.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	4456.00 ft			
Interval between Packers:	41.00 ft			
Tool Length:	306.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Shut In Tool	5.00			4368.00	
Hydraulic tool	5.00			4373.00	
Jars	5.00			4378.00	
Safety Joint	3.00			4381.00	
Packer - Shale	4.00			4385.00	
Stubb	1.00			4386.00	
Perforations	25.00			4411.00	
Packer	4.00			4415.00	52.00 Bottom Of Top Packer
Stubb	1.00			4416.00	
Recorder	0.00	6752	Outside	4416.00	
Recorder	0.00	8365	Outside	4416.00	
Perforations	40.00			4456.00	
Packer	5.00			4461.00	41.00 Tool Interval
Packer	4.00			4465.00	
Stubb	1.00			4466.00	
Blank Spacing	1.00			4467.00	
Change Over Sub	1.00			4468.00	
Drill Pipe	189.00			4657.00	
Change Over Sub	1.00			4658.00	
Perforations	8.00			4666.00	
Recorder	0.00	6572	Below	4666.00	
Bullnose	3.00			4669.00	213.00 Bottom Packers & Anchor

Total Tool Length: 306.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114
ATTN: Ryan Seib

16-16s-25w Ness,KS
Kid Galahad #1
Job Ticket: 67971 **DST#: 2**
Test Start: 2021.12.19 @ 22:31:16

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1023.00	50% oil 50% gas	14.350
124.00	40% oil 60% mud	1.739

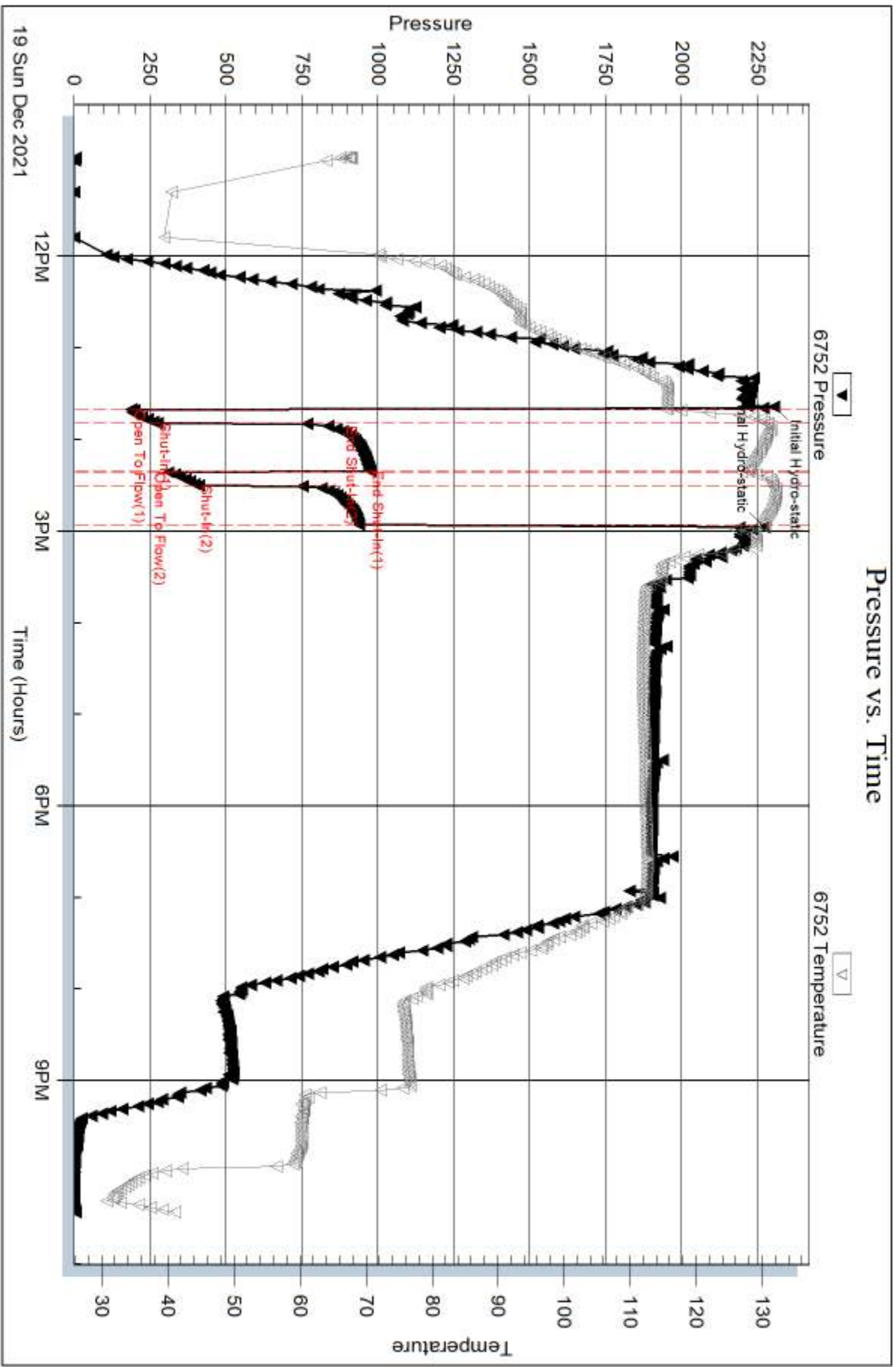
Total Length: 1147.00 ft Total Volume: 16.089 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 2#LCM

Serial #: 6752

Outside Palomino Petroleum

Kid Galahad #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 67971

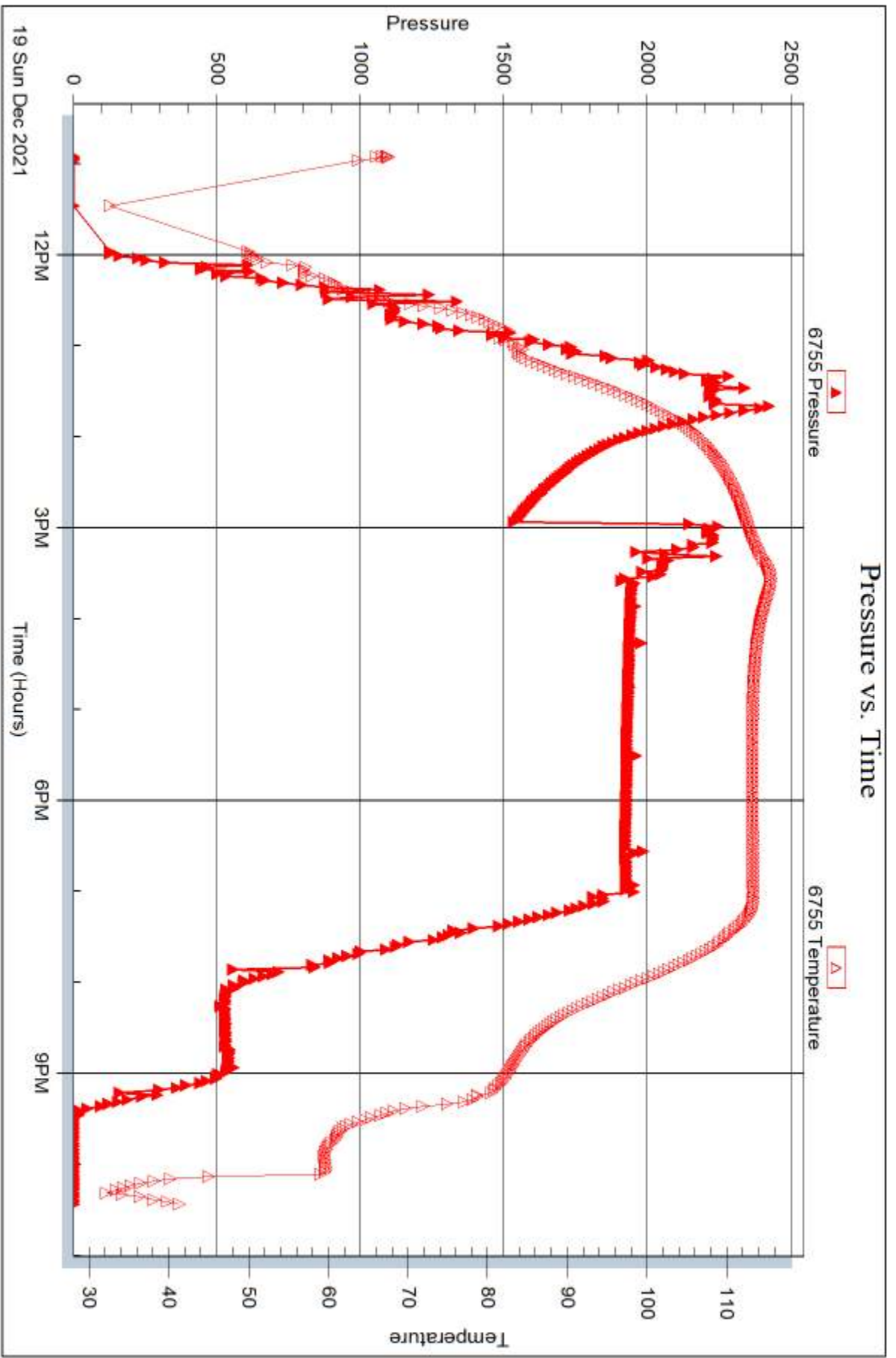
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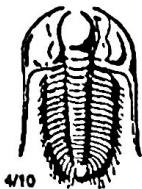
Serial #: 6755

Palomino Petroleum

Kid Galahad #1

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67970

Well Name & No. 1502 Galahad #1 Test No. 1 Date 12/18/21
 Company PATAMINO PETROLEUM Elevation 2587 KB 2579 GL
 Address 4924 SE 84th ST Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig Dunk #2
 Location: Sec. 16 Twp 16S Rge. 25W Co. Ness State KS

Interval Tested 4454-4549 Zone Tested Miss.
 Anchor Length 91 Drill Pipe Run 4437 Mud Wt. 9.6
 Top Packer Depth 4449 Drill Collars Run 0 Vis 58
 Bottom Packer Depth 4454 Wt. Pipe Run 0 WL 10.0
 Total Depth 4549 Chlorides 2300 ppm System LCM 1#

Blow Description FF-WSB bab 15 min
FSI- 1/4" return
FF-WSB bab 20 min
FSI-

Rec	Feet of	%gas	%oil	%water	%mud
<u>724</u>	<u>60 P</u>	<u>100</u>			
<u>186</u>		<u>15</u>	<u>45</u>		<u>40</u>
<u>124</u>		<u>35</u>	<u>15</u>		<u>50</u>

Rec Total 310 BHT 117 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

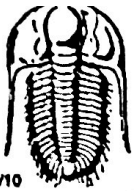
(A) Initial Hydrostatic 2363 Test 1450 T-On Location 0900
 (B) First Initial Flow 59 Jars 250 T-Started 09:52
 (C) First Final Flow 126 Safety Joint 75 T-Open 12:16
 (D) Initial Shut-In 1105 Circ Sub T-Pulled 14:16
 (E) Second Initial Flow 136 Hourly Standby T-Out 16:45
 (F) Second Final Flow 182 Mileage 72 RT 90 Comments _____
 (G) Final Shut-In 1019 Sampler _____
 (H) Final Hydrostatic 2261 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

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

Sub Total 1865 MP/DST Disc't _____
 Total 1865

Approved By _____ Our Representative Kevin Webster

TriLOBite Testing Inc. shall not be liable for damaged or 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. 67970

Well Name & No. 162 Galahad #1 Test No. 1 Date 12/18/21
 Company Palmino Petroleum Elevation 2587 KB 2579 GL
 Address 4927 SE 84th St Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig Dunk #2
 Location: Sec. 16 Twp 16S Rge. 25W Co. Neos State Ks

Interval Tested 4454-4549 Zone Tested Miss.
 Anchor Length 95 Drill Pipe Run 4437 Mud Wt. 9.6
 Top Packer Depth 4449 Drill Collars Run 9 Vis 58
 Bottom Packer Depth 4454 Wt. Pipe Run 9 WL 6.0
 Total Depth 4549 Chlorides 2300 ppm System LCM 1#

Blow Description FF-WSB bab 15 min
FSL- 1/4" return
FF-WSB bab 20 min
FSL-

Rec	Feet of	%gas	%oil	%water	%mu
<u>124</u>	<u>6' P</u>	<u>100</u>			
<u>186</u>		<u>15</u>	<u>45</u>		<u>40</u>
<u>124</u>		<u>35</u>	<u>15</u>		<u>50</u>

Rec Total 910 BHT 117 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 2363 Test 1450 T-On Location 0800
 (B) First Initial Flow 59 Jars 250 T-Started 09:52
 (C) First Final Flow 126 Safety Joint 75 T-Open 12:16
 (D) Initial Shut-In 1105 Circ Sub _____ T-Pulled 14:16
 (E) Second Initial Flow 136 Hourly Standby _____ T-Out 16:45
 (F) Second Final Flow 182 Mileage 72 RT 90 Comments _____
 (G) Final Shut-In 1019 Sampler _____
 (H) Final Hydrostatic 2261 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total 0
 Total 1865
 MP/DST Disc't _____

Approved By _____ Our Representative Kevin Webster

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