

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
--	---

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	BACHAND 1
Doc ID	1461625

Tops

Name	Top	Datum
Anhy.	2370	(+ 440)
Base Anhy.	2403	(+ 407)
Topeka	3670	(- 860)
Heebner	3884	(-1074)
Lansing	3920	(-1110)
Muncie Creek	4046	(-1236)
Stark	4127	(-1317)
BKC	4179	(-1369)
Marmaton	4205	(-1395)
Pawnee	4297	(-1487)
Ft. Scott	4383	(-1573)
Cherokee Sh.	4413	(-1603)
Miss.	4473	(-1663)
LTD	4560	(-1750)



RECEIVED
 FEB 25 2019

QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 WEST WICHITA AVE, RUSSELL KS 67665
 PHONE: 785-324-1041 FAX: 785-483-1087
 EMAIL: cementing@ruraltel.net

Date: 2/20/2019
 Invoice # 1226
 P.O.#:
 Due Date: 3/22/2019
 Division: *Russell*

Invoice

Contact:
 Palomino Petroleum Inc
Address/Job Location:

4924 SE 84th
 Newton Ks 67114

Reference:
 BACHABD 1 SEC 22-10-29

Description of Work:
 PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 657.71	Yes				
Common-Class A	144	\$ 2,186.77	Yes				
POZ Mix-Standard	96	\$ 495.38	Yes				
Premium Gel (Bentonite)	9	\$ 192.40	Yes				
Bulk Truck Matl-Material Service Charge	249	\$ 183.56	Yes				
Pump Truck Mileage-Job to Nearest Camp	29	\$ 96.20	Yes				
Flo Seal	60	\$ 88.46	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	29	\$ 74.82	Yes				
Dry Hole Plug	1	\$ 61.92	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 4,037.24
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (100.93)

SubTotal for Taxable Items: \$ 3,936.31
 SubTotal for Non-Taxable Items: \$ -

8.50% Sheridan County Sales Tax

Total: \$ 3,936.31
 Tax: \$ 334.59
Amount Due: \$ 4,270.90
Applied Payments:
Balance Due: \$ 4,270.90

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

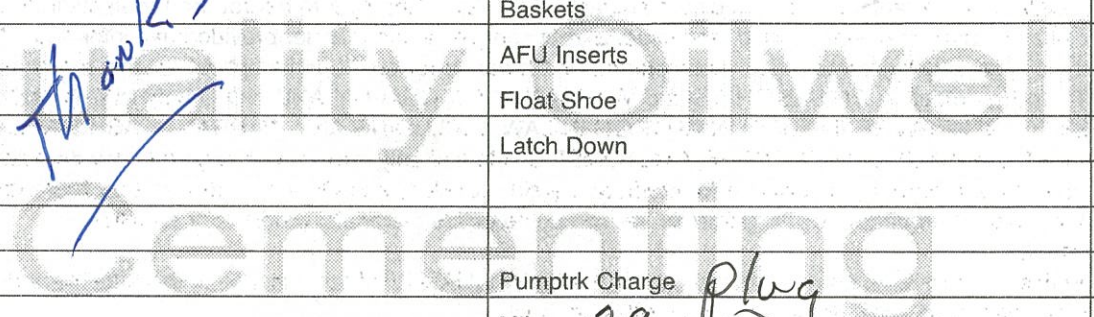
Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1226

Date	2-20-19	Sec.	22	Twp.	10	Range	29	County	Sevier KS	State	KS	On Location		Finish	4:30 PM
Lease	Bachand		Well No.	1		Owner	1/4 N								
Contractor	WJW #10				To Quality Oilwell Cementing, Inc.		You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Type Job	Rotary Plug				Charge To		Palomino Petroleum								
Hole Size	7 7/8		T.D.	4558		Street									
Csg.			Depth			City		State							
Tbg. Size			Depth			City		State							
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.			Shoe Joint			Cement Amount Ordered		240 60# 4.622 1/4" PLO							
Meas Line			Displace			Common		144							
EQUIPMENT						Poz. Mix		96							
Pumptrk	17	No.	Cementar	Cous		Gel.		9							
			Helper	David		Calcium		0							
Bulktrk		No.	Driver			Hulls									
Bulktrk	14	No.	Driver	Tom		Salt									
JOB SERVICES & REMARKS						Remarks:									
						Rat Hole		305K							
						Mouse Hole									
						Centralizers		Mud CLR 48							
						Baskets		CFL-117 or CD110 CAF 38							
						D/V or Port Collar		Sand							
						Handling		249							
						Mileage									
						FLOAT EQUIPMENT		8 5/8							
						Guide Shoe		Dry Hole plug							
						Centralizer									
						Baskets									
						AFU Inserts									
						Float Shoe									
						Latch Down									
						Pumptrk Charge		plug							
						Mileage		29							
						Tax									
						Discount									
						Total Charge									
X Signature						Rich Webb									

Thank's



RECEIVED
FEB 16 2019



QUALITY OILWELL CEMENTING, INC.
 PO BOX 32 - 740 WEST WICHITA AVE, RUSSELL KS 67665
 PHONE:785-324-1041 FAX:785-483-1087
 EMAIL: cementing@ruraltel.net

Date: 2/11/2019
 Invoice # 993

P.O.#:
 Due Date: 3/13/2019
 Division: *Russell*

Invoice

Contact:
 Palomino Petroleum Inc
Address/Job Location:

4924 SE 84th
 Newton Ks 67114

Reference:
 BACHAND 1 SEC 22-10-29

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 657.71	No				
Common-Class A	136	\$ 2,065.28	Yes				
Calcium Chloride	7	\$ 288.97	Yes				
POZ Mix-Standard	34	\$ 175.45	Yes				
Bulk Truck Matl-Material Service Charge	180	\$ 132.69	No				
Pump Truck Mileage-Job to Nearest Camp	29	\$ 96.20	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	29	\$ 74.82	No				
Premium Gel (Bentonite)	3	\$ 64.13	Yes				

Invoice Terms:

Net 30

	SubTotal: \$	3,555.27
	<i>Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:</i>	\$ (88.88)
	SubTotal for Taxable Items: \$	2,528.99
	SubTotal for Non-Taxable Items: \$	937.39
	Total: \$	3,466.39
	Tax: \$	214.96
	Amount Due: \$	3,681.35
	Applied Payments:	
	Balance Due: \$	3,681.35

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 993

Date	2-11-19	Sec.	22	Twp.	10	Range	29	County	Sheridan	State	KS	On Location		Finish	9:30 PM
------	---------	------	----	------	----	-------	----	--------	----------	-------	----	-------------	--	--------	---------

Location Grainfield + Hwy 40 2W 42 Rd

Lease	Bachand	Well No.	#1	Owner	3N 140 Rd 1W 1/2 N
Contractor	W W 10	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job	Surface	Charge To Palomino Petroleum			
Hole Size	12 1/4	T.D.	215'	Street	
Csg.	8 5/8	Depth	215'	City	State
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Depth		Cement Amount Ordered 170 80/20 3% cc 2% cc	
Cement Left in Csg.	15'	Shoe Joint			
Meas Line		Displace	12 3/4 bbl		

EQUIPMENT

Pumptrk	20	No.	Cementor		Common	136
			Helper	Brett	Poz. Mix	34
Bulktrk	15	No.	Driver	David	Gel.	3
			Driver	Doug	Calcium	7

JOB SERVICES & REMARKS

Remarks:		Hulls	
Rat Hole		Salt	
Mouse Hole		Flowseal	
Centralizers		Kol-Seal	
Baskets		Mud CLR 48	
D/V or Port Collar		CFL-117 or CD110 CAF 38	
		Sand	

Ran 215' 8 5/8 + Est cir
Mixed 170 sk
Displaced 12 3/4 bbl

Cement circulated!!

Thanks

FLOAT EQUIPMENT

Handling	180
Mileage	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge Surface

Mileage 29

X Signature *[Signature]*

Tax
Discount
Total Charge

Ryan Seib
Petroleum Geologist
Ness City, KS 67860
(785) 798-6999

Geologist's Report
During the log

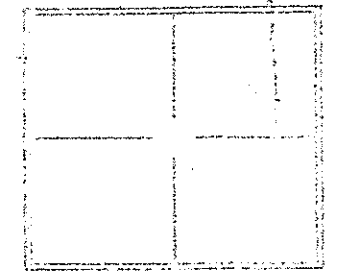
Operator: Palo Verde Petroleum
Lease: Bachard # 7
Field: E
Location: 1990' EST. # 1132' FEL
Sec. 22, Twp. 10S, Rge. 29W
County: Sheldahl State KS

Completion: UV Drilling Rig # 10
Date: 2/11/19 Core: 2119' to 4558'
Drilled: 3300' to RTD
Casing: 3300' to RTD
Production: 3300' to RTD

Well Log Surveyers: W & S
Date: 15-17-19-21-1958

Well Log Surveyers: W & S
Date: 15-17-19-21-1958

Alt. depth	2370 (+440) 2365 (+445)
Hardness	3884 (-1074) 3879 (-1069)
Leak-off	3720 (-1110) 3919 (-1159)
PIK	4179 (-1367) 4172 (-1362)
Mass frac	4205 (-1395) 4202 (-1392)
Gamma	4297 (-1487) 4296 (-1486)
Fract. log	4383 (-1523) 4377 (-1517)
Chalk	4413 (-1603) 4408 (-1598)
Mass frac	4473 (-1643) 4479 (-1669)



Well Log Surveyers
W & S
CN O, DTL,
M: C10

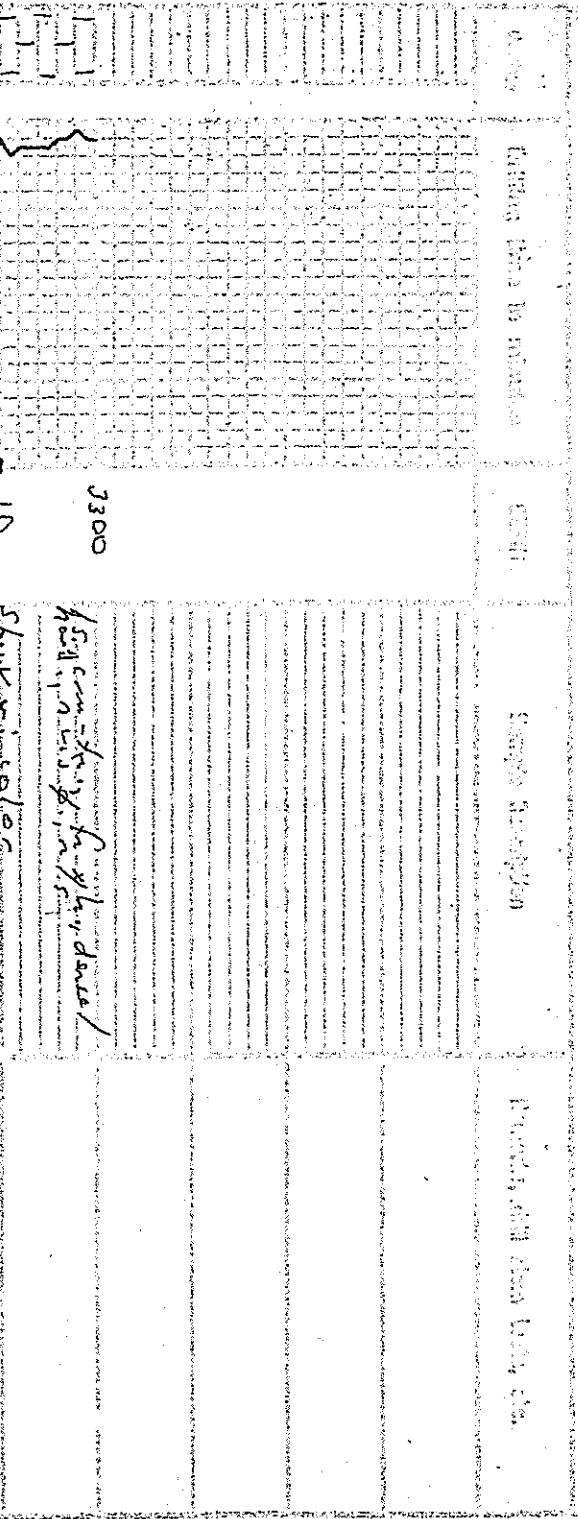
Casing Record
Surface: 8 5/8" @
215'
Production: N/A

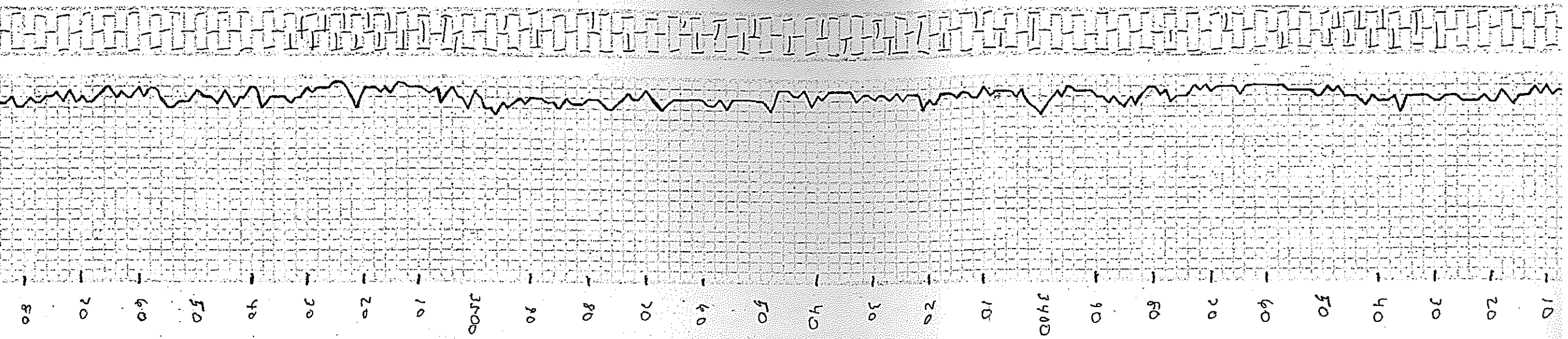
Elevation
2810'
RTD
CI 2805'
Indications for RI
From: KS

LEGEND

- Sandstone
- Shale
- Limestone
- Oil Shale
- Grit
- Bedrock

SCALE " = 100'





SL, V. color

SL, Ak

SL, AA

SL, V. color
 SL, Ak
 SL, AA

SL, V. color
 SL, Ak
 SL, AA

SL, V. color

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SL, V. color

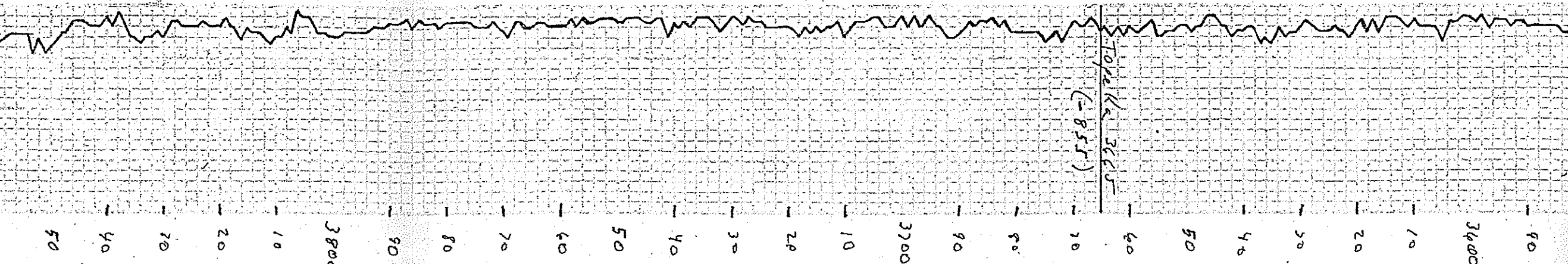
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 U1-6.4
 U11-2,000
 U11-2.4



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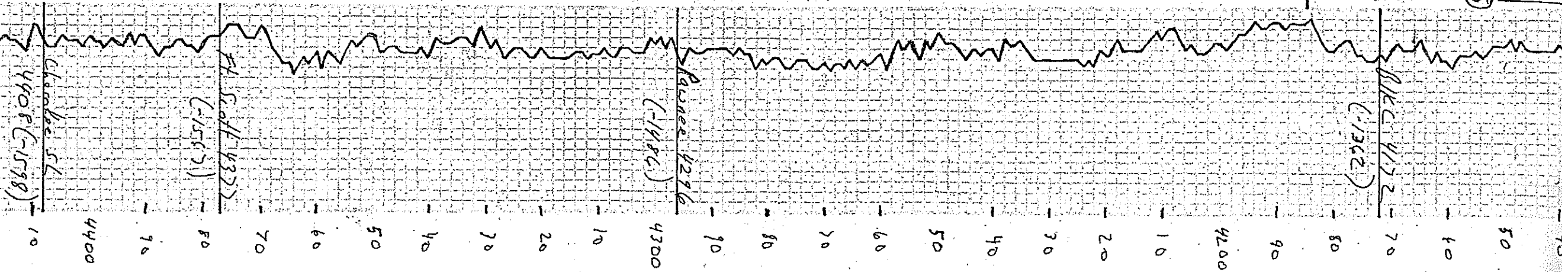
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⑤



4200
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5000

4408 (-1598)

4322 (-1562)

4296 (-1586)

4172 (-1562)

4200

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5000

10

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DT 45 418-4185
 30-30-30-30
 Rec. S. mid
 FF. 114"
 PF. Dead N. Ref. in
 11-2015 # 2007 #
 #FA-13 #19 # PFA-19 # 21 #
 PFA-100 # PFA-100 #

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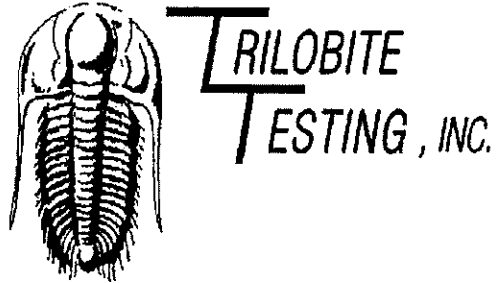
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SL, BIC Carb



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton KS 67114

ATTN: Ryan Seib

Bachand #1

22-10S-29W Sheridan,KS

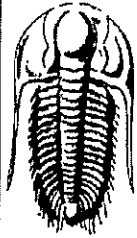
Start Date: 2019.02.15 @ 12:17:00

End Date: 2019.02.15 @ 18:41:45

Job Ticket #: 64603 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.02.20 @ 08:30:33



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th St.
 Newton KS 67114
 ATTN: Ryan Seib

22-10S-29W Sheridan, KS

Bachand #1

Job Ticket: 64603

DST#: 1

Test Start: 2019.02.15 @ 12:17:00

GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:59:30
 Time Test Ended: 18:41:45
 Interval: **3875.00 ft (KB) To 3920.00 ft (KB) (TVD)**
 Total Depth: 3920.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Royal Fisher
 Unit No: 77
 Reference Elevations: 2810.00 ft (KB)
 2805.00 ft (CF)
 KB to GRVCF: 5.00 ft

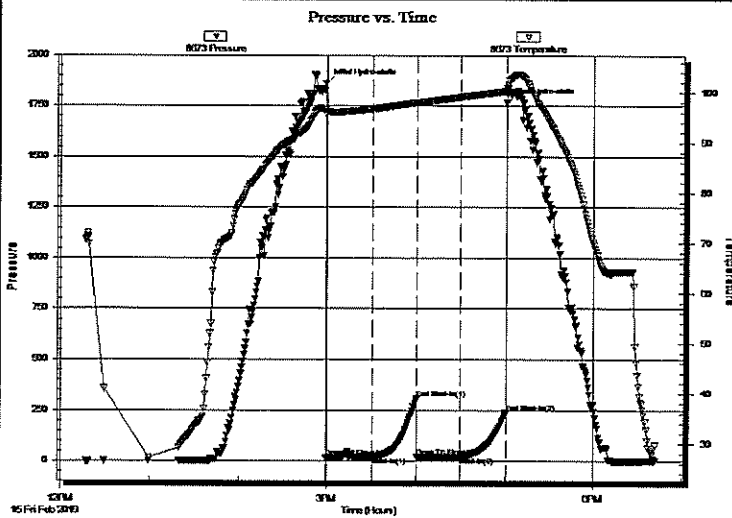
Serial #: 8673

Inside

Press@RunDepth: 20.28 psig @ 3876.00 ft (KB)
 Start Date: 2019.02.15 End Date: 2019.02.15
 Start Time: 12:17:05 End Time: 18:41:44

Capacity: 8000.00 psig
 Last Calib.: 2019.02.15
 Time On Btm: 2019.02.15 @ 14:59:15
 Time Off Btm: 2019.02.15 @ 17:01:15

TEST COMMENT: 30 - IFP - Surface blow built up to 1 1/4"
 30 - ISI - No Return
 30 - FFP - No Surface blow
 30 - FSI - No Return



PRESSURE SUMMARY

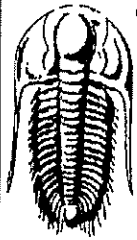
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1861.03	96.80	Initial Hydro-static
1	16.15	95.50	Open To Flow (1)
32	18.41	96.73	Shut-In(1)
61	307.79	98.02	End Shut-In(1)
62	18.76	97.92	Open To Flow (2)
91	20.28	99.09	Shut-In(2)
122	237.94	100.31	End Shut-In(2)
122	1765.84	100.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M w / Oil Spots - 100% m	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

22-10S-29W Sheridan, KS

4924 SE 84th St.
New ton KS 67114

Bachand #1

Job Ticket: 64603

DST#: 1

ATTN: Ryan Seib

Test Start: 2019.02.15 @ 12:17:00

Tool Information

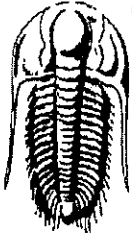
Drill Pipe:	Length: 3745.57 ft	Diameter: 3.25 inches	Volume: 38.43 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.02 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 39.02 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.59 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3875.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3852.00	
Hydraulic tool	5.00			3857.00	
Jars	5.00			3862.00	
Safety Joint	3.00			3865.00	
Packer	5.00			3870.00	28.00 Bottom Of Top Packer
Packer	5.00			3875.00	
Stubb	1.00			3876.00	
Recorder	0.00	8360	Inside	3876.00	
Recorder	0.00	8673	Inside	3876.00	
Perforations	8.00		Outside	3884.00	
Change Over Sub	1.00		Outside	3885.00	
Drill Pipe	31.00			3916.00	
Change Over Sub	1.00			3917.00	
Bullnose	3.00			3920.00	45.00 Bottom Packers & Anchor

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

22-10S-29W Sheridan,KS
Bachand #1
Job Ticket: 64603 DST#: 1
Test Start: 2019.02.15 @ 12:17:00

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: 67.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mw / Oil Spots - 100% _m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8673

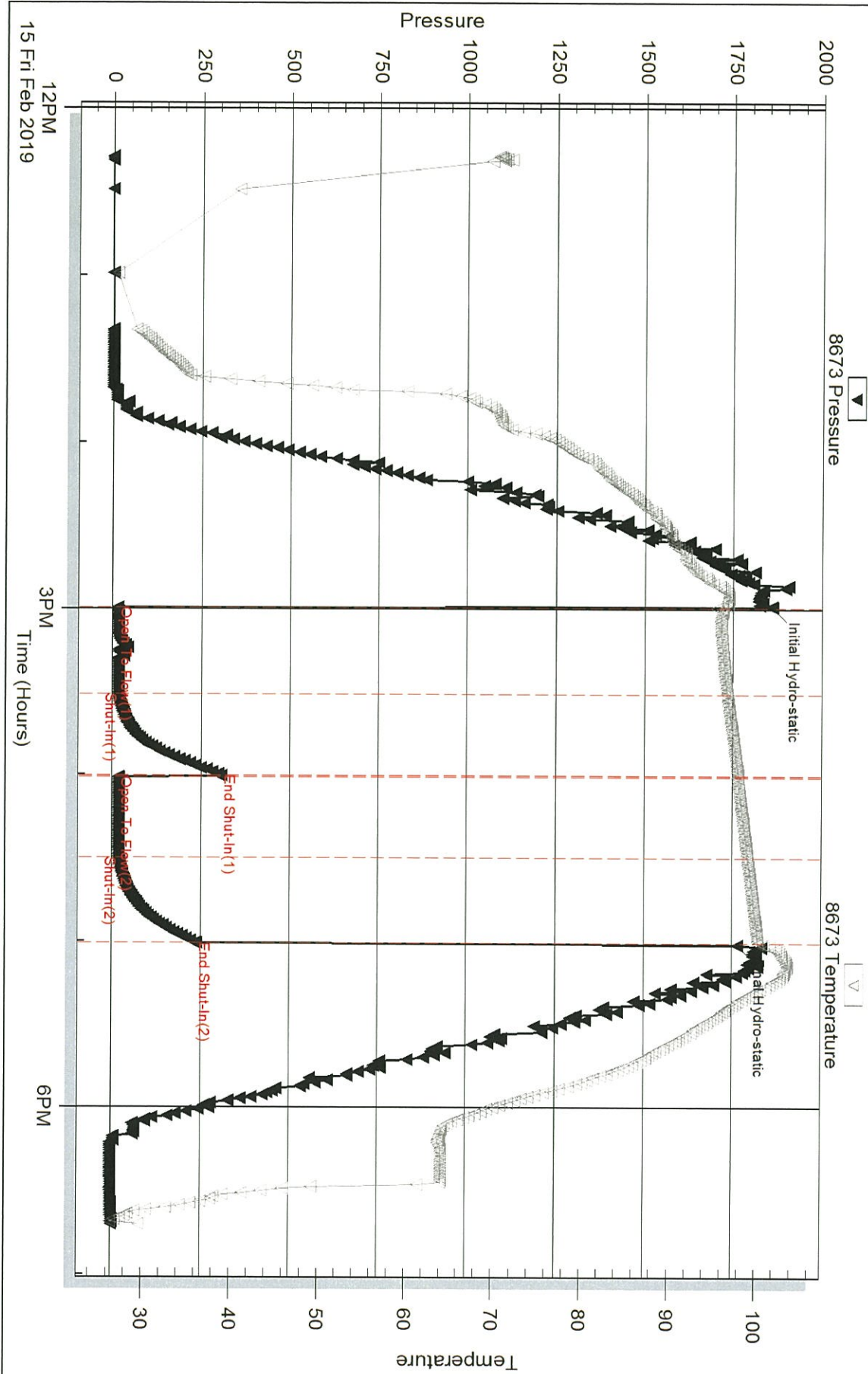
Inside

Palomino Petroleum

Batchand #1

DST Test Number: 1

Pressure vs. Time



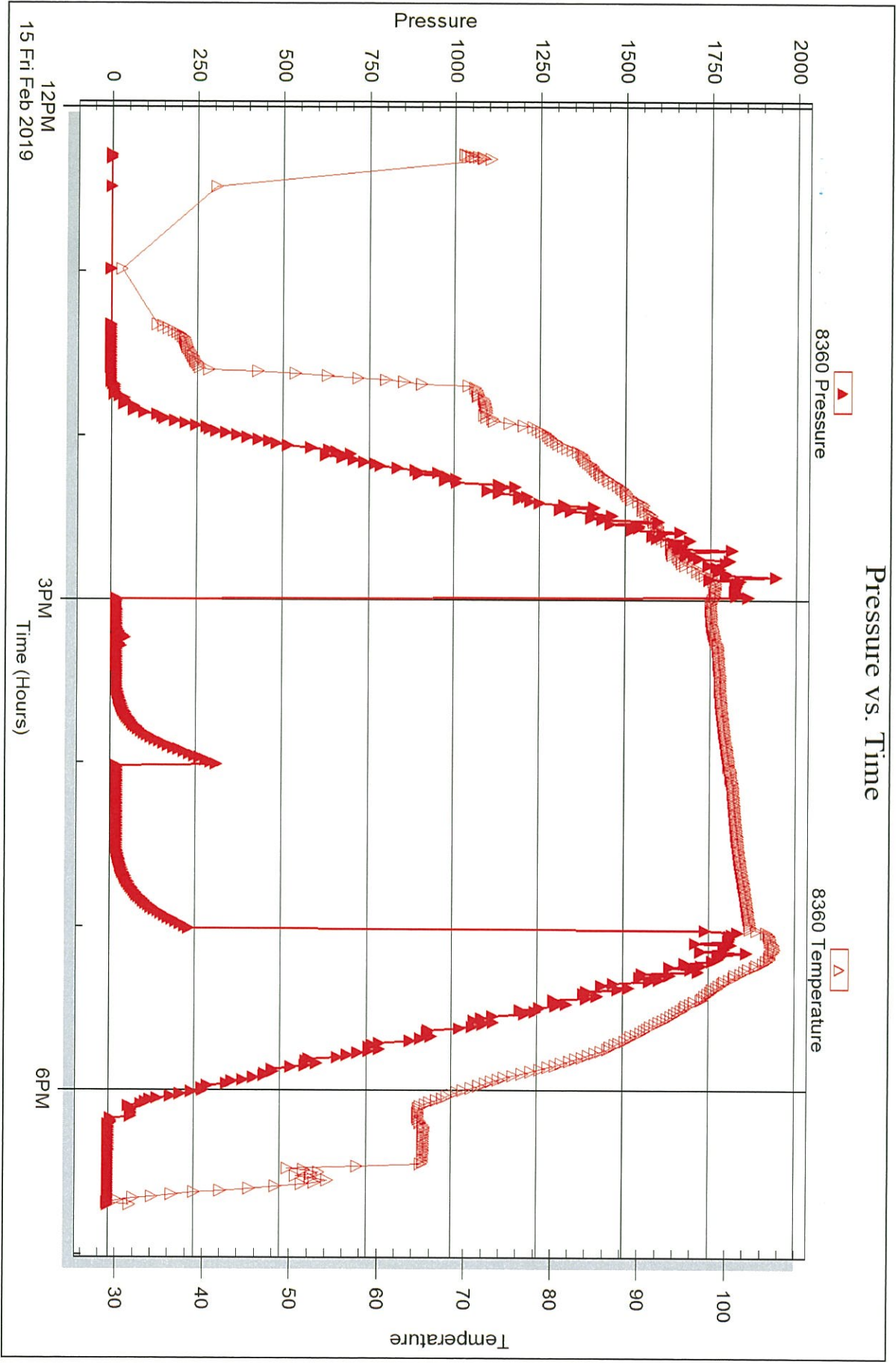
Serial #: 8360

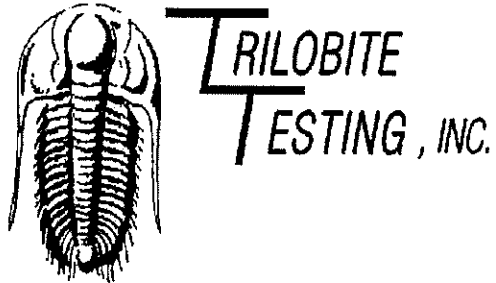
Inside

Palomino Petroleum

Bachand #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton KS 67114

ATTN: Ryan Seib

Bachand #1

22-10S-29W Sheridan,KS

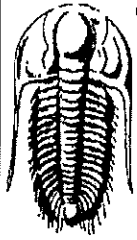
Start Date: 2019.02.16 @ 04:00:00

End Date: 2019.02.16 @ 10:25:30

Job Ticket #: 64604 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.02.20 @ 08:30:04



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum

22-10S-29W Sheridan, KS

4924 SE 84th St.
New ton KS 67114

Bachand #1

Job Ticket: 64604

DST#: 2

ATTN: Ryan Seib

Test Start: 2019.02.16 @ 04:00:00

GENERAL INFORMATION:

Formation: **LKC "B - C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:34:15

Time Test Ended: 10:25:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: 77

Interval: **3934.00 ft (KB) To 3980.00 ft (KB) (TVD)**

Total Depth: 3980.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2810.00 ft (KB)

2805.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8673

Inside

Press@RunDepth: 75.72 psig @ 3935.00 ft (KB)

Start Date: 2019.02.16

End Date:

2019.02.16

Capacity: 8000.00 psig

Last Calib.: 2019.02.16

Start Time: 04:00:05

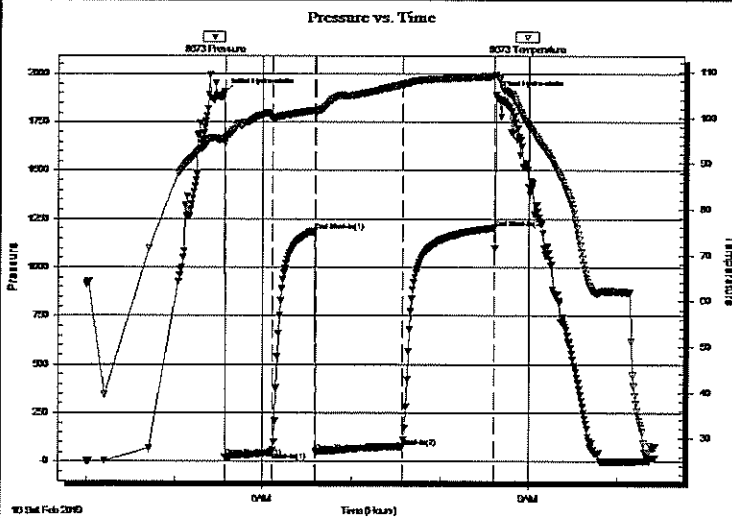
End Time:

10:25:29

Time On Btm: 2019.02.16 @ 05:34:00

Time Off Btm: 2019.02.16 @ 08:37:30

TEST COMMENT: 30 - IFP - Surface blow built up to 4"
30 - ISI - Had a faint return
60 - FFP - Surface blow built up to 1 1/4"
60 - FSI - No Return



PRESSURE SUMMARY

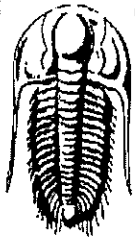
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1901.67	95.46	Initial Hydro-static
1	21.03	94.52	Open To Flow (1)
33	46.20	100.09	Shut-In(1)
62	1187.27	101.53	End Shut-In(1)
62	49.46	101.08	Open To Flow (2)
121	75.72	107.27	Shut-In(2)
183	1204.13	109.11	End Shut-In(2)
184	1890.81	109.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	WM w / Oil Spots - 50%w - 50%m	0.64

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

22-10S-29W Sheridan, KS

4924 SE 84th St.
New ton KS 67114

Bachand #1

Job Ticket: 64604

DST#: 2

ATTN: Ryan Seib

Test Start: 2019.02.16 @ 04:00:00

Tool Information

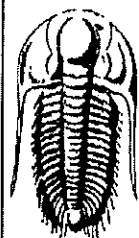
Drill Pipe:	Length: 3808.98 ft	Diameter: 3.25 inches	Volume: 39.08 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.02 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 39.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3934.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	74.00 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			3911.00	
Hydraulic tool	5.00			3916.00	
Jars	5.00			3921.00	
Safety Joint	3.00			3924.00	
Packer	5.00			3929.00	28.00 Bottom Of Top Packer
Packer	5.00			3934.00	
Stubb	1.00			3935.00	
Recorder	0.00	8360	Inside	3935.00	
Recorder	0.00	8673	Inside	3935.00	
Perforations	9.00		Outside	3944.00	
Change Over Sub	1.00		Outside	3945.00	
Drill Pipe	31.00			3976.00	
Change Over Sub	1.00			3977.00	
Bullnose	3.00			3980.00	46.00 Bottom Packers & Anchor

Total Tool Length: 74.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

22-10S-29W Sheridan,KS

4924 SE 84th St.
New ton KS 67114

Bachand #1

Job Ticket: 64604

DST#: 2

ATTN: Ryan Seib

Test Start: 2019.02.16 @ 04:00:00

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:

60000 ppm

Viscosity: 67.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	WM w/ Oil Spots - 50%w - 50%m	0.641

Total Length: 125.00 ft

Total Volume: 0.641 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

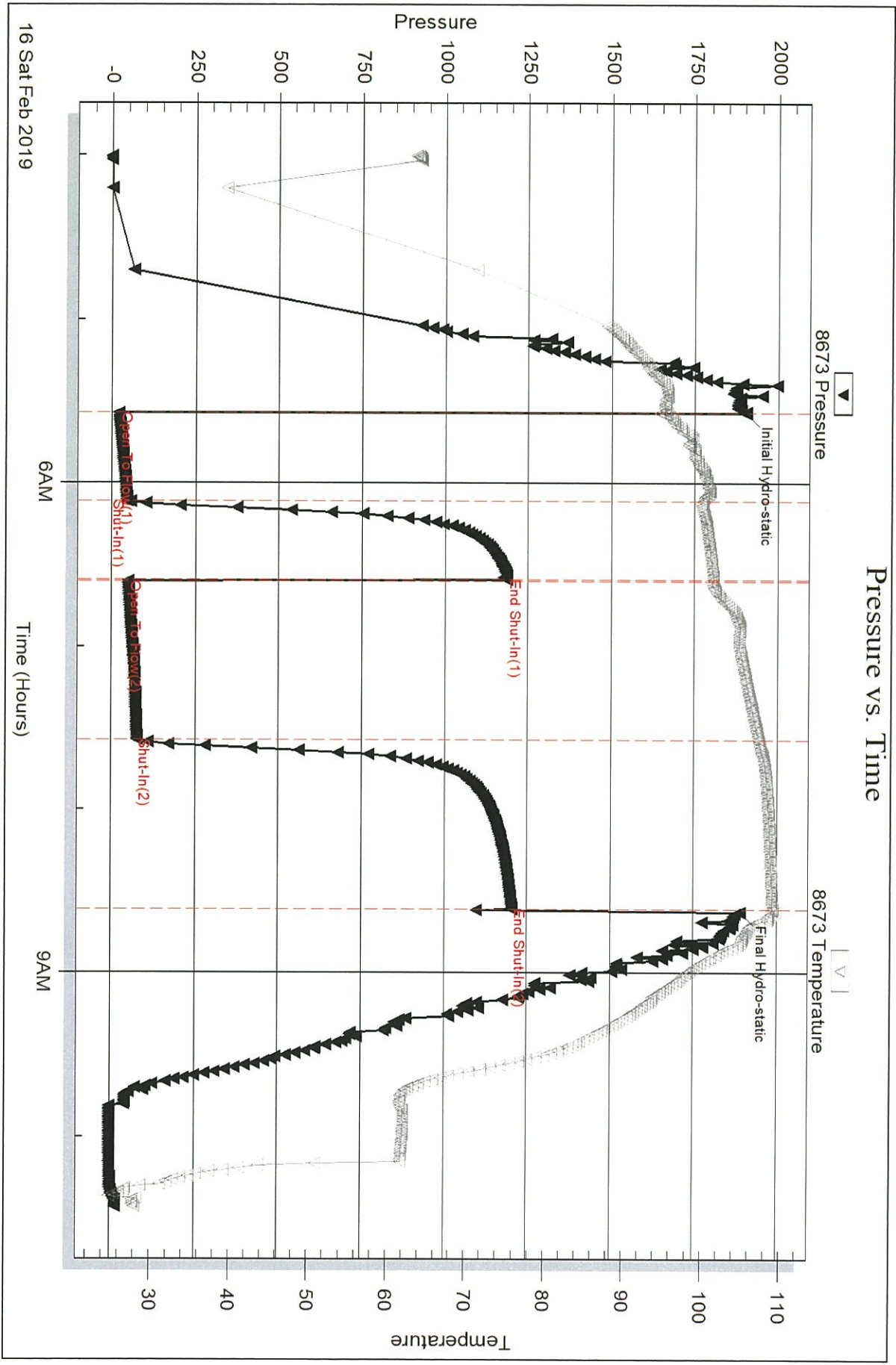
Serial #: 8673

Inside

Palomino Petroleum

Backhand #1

DST Test Number: 2



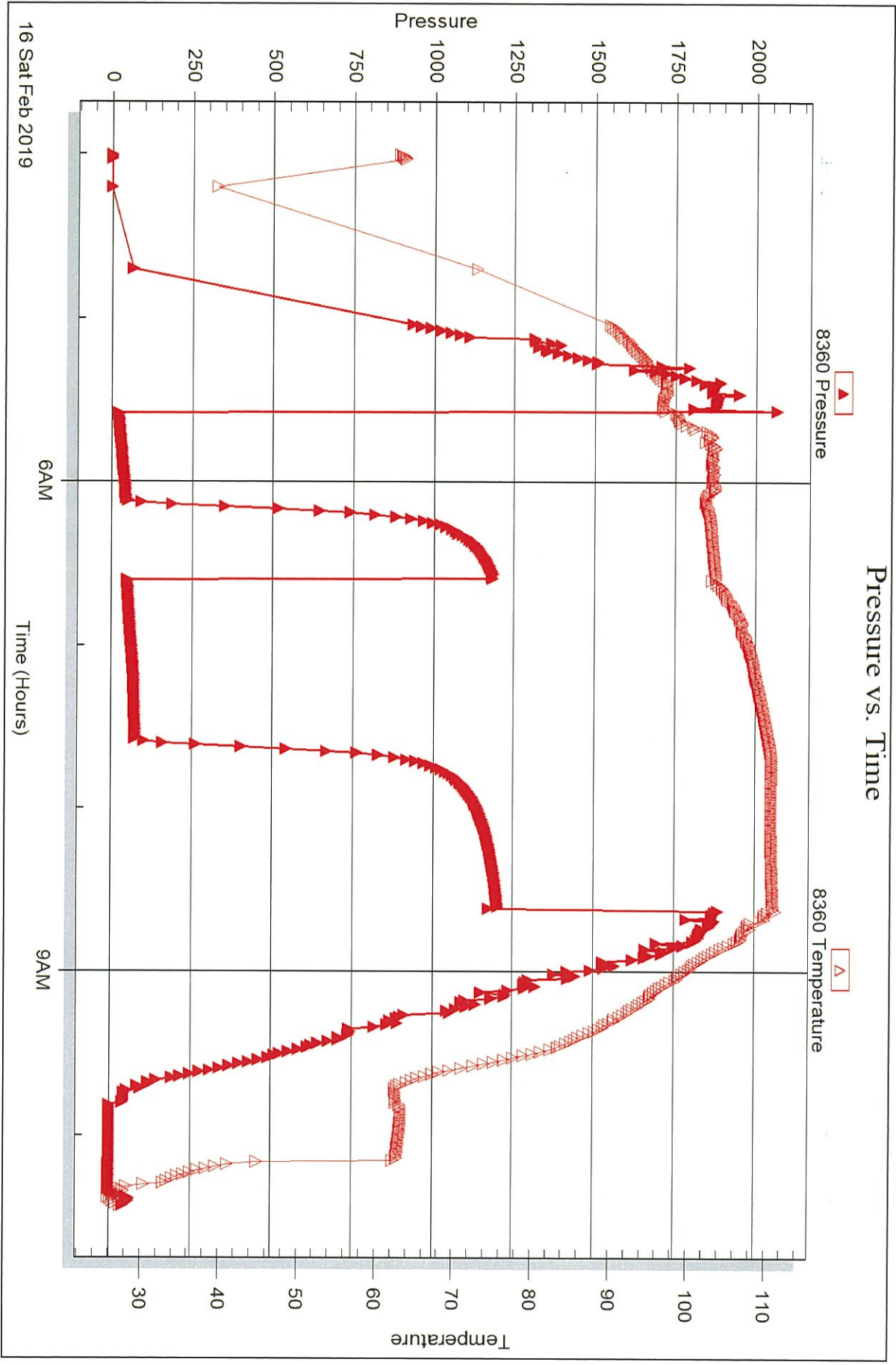
Serial #: 8360

Inside

Palominio Petroleum

Bachand #1

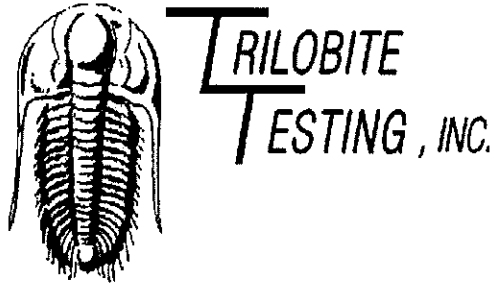
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 64604

Printed: 2019.02.20 @ 08:30:05



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton KS 67114

ATTN: Ryan Seib

Bachand #1

22-10S-29W Sheridan,KS

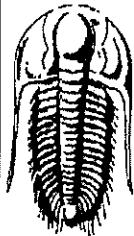
Start Date: 2019.02.16 @ 18:28:00

End Date: 2019.02.16 @ 23:31:30

Job Ticket #: 64605 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.02.20 @ 08:29:39



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

22-10S-29W Sheridan, KS

4924 SE 84th St.
New ton KS 67114

Bachand #1

Job Ticket: 64605

DST#: 3

ATTN: Ryan Seib

Test Start: 2019.02.16 @ 18:28:00

Tool Information

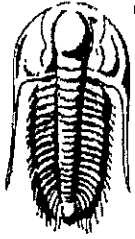
Drill Pipe:	Length: 3840.50 ft	Diameter: 3.25 inches	Volume: 39.41 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.02 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 40.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.52 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3975.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3952.00	
Hydraulic tool	5.00			3957.00	
Jars	5.00			3962.00	
Safety Joint	3.00			3965.00	
Packer	5.00			3970.00	28.00 Bottom Of Top Packer
Packer	5.00			3975.00	
Stubb	1.00			3976.00	
Recorder	0.00	8360	Inside	3976.00	
Recorder	0.00	8673	Outside	3976.00	
Perforations	24.00			4000.00	
Bullnose	3.00			4003.00	28.00 Bottom Packers & Anchor

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

22-10S-29W Sheridan,KS
Bachand #1
Job Ticket: 64605 DST#: 3
Test Start: 2019.02.16 @ 18:28:00

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:	26000 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in ³	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
121.00	WM w/ Oil Spots - 40%w - 60%m	0.600

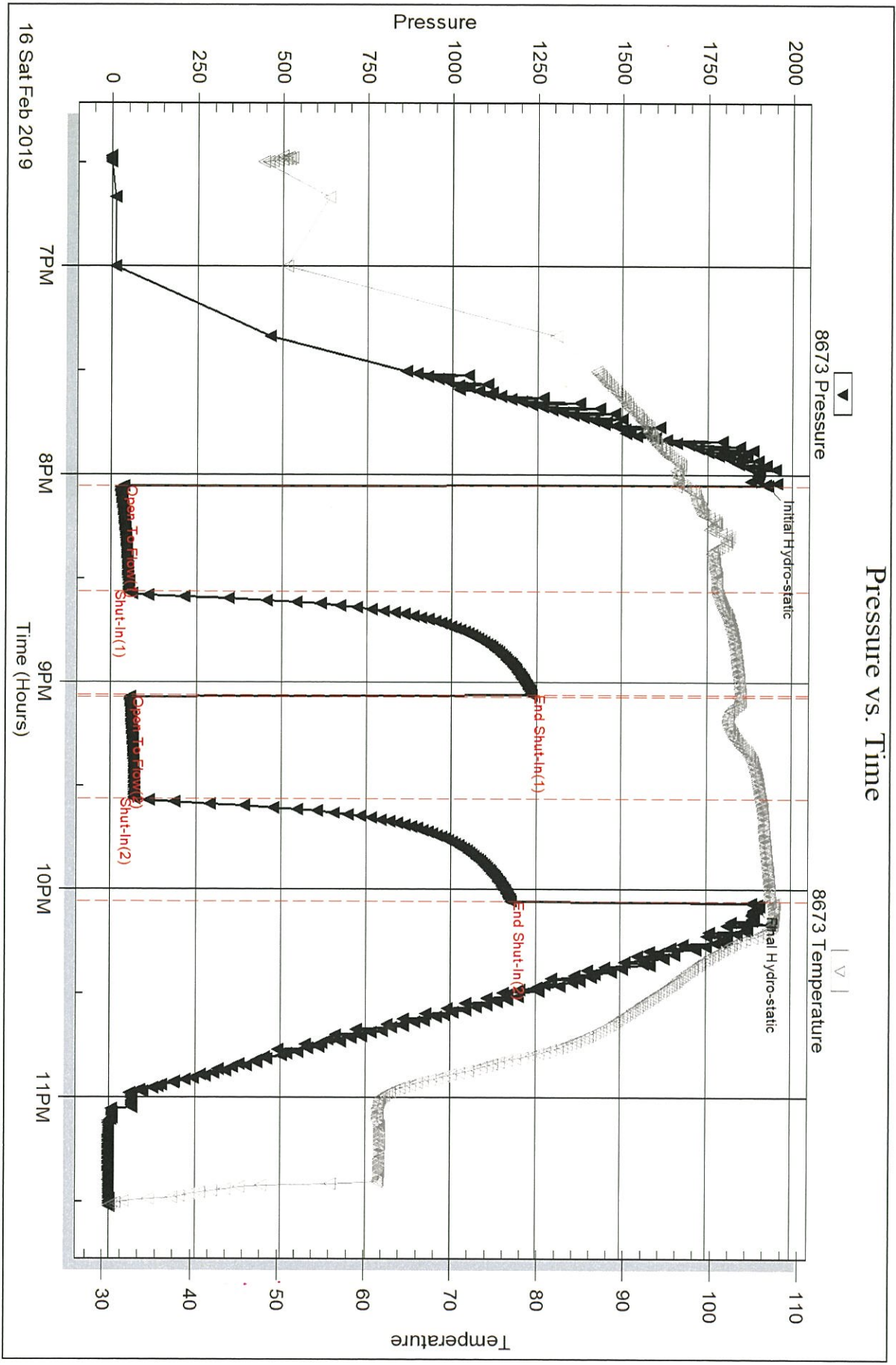
Total Length: 121.00 ft Total Volume: 0.600 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8673

Outside Palomino Petroleum

Batch #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 64605

Printed: 2019.02.20 @ 08:29:40

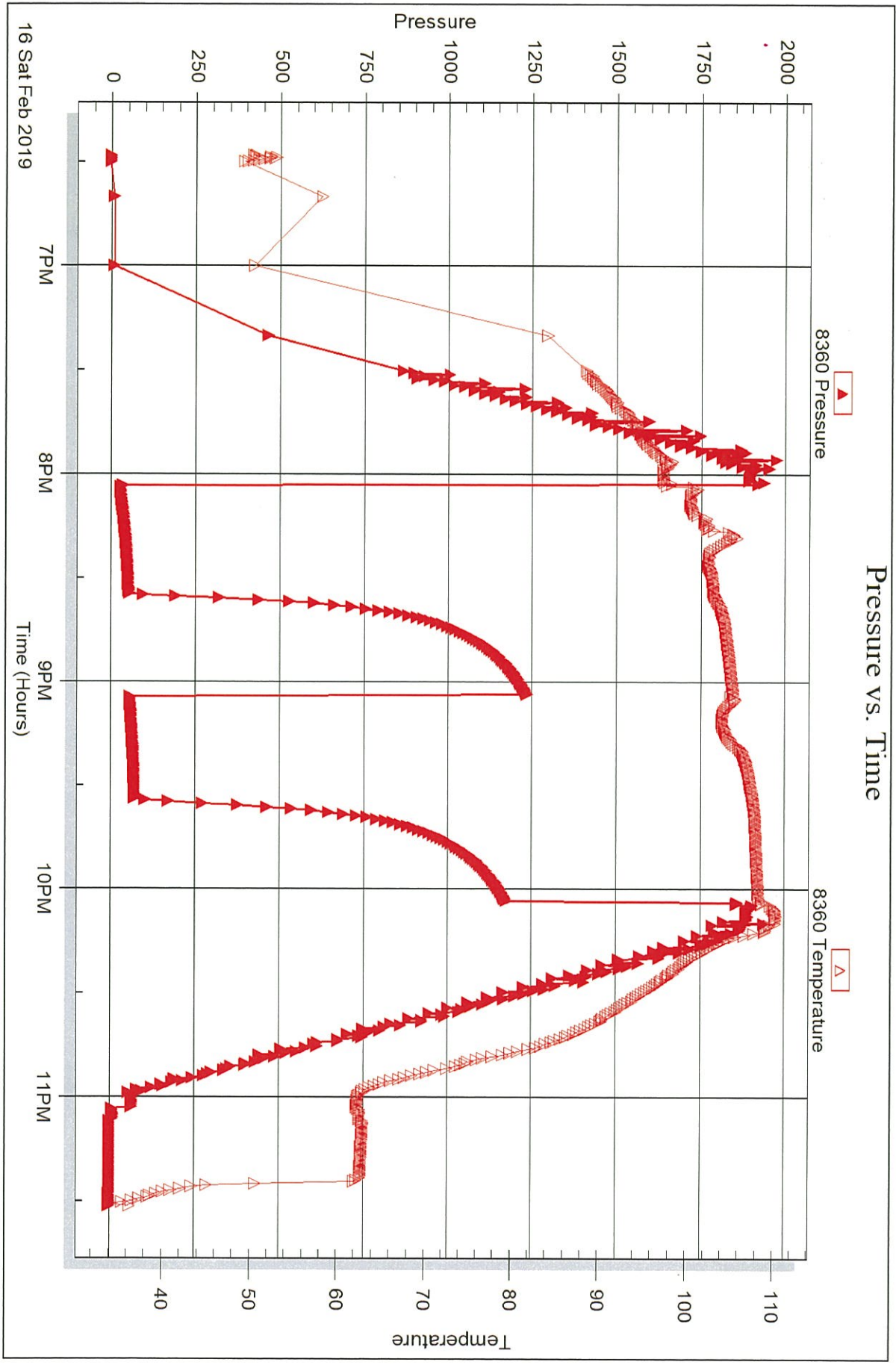
Serial #: 8360

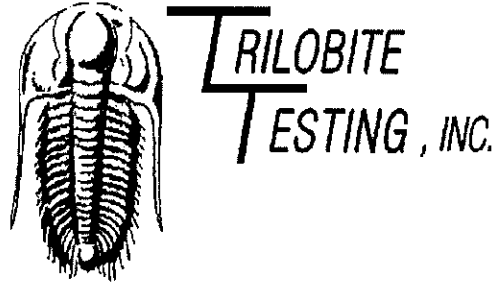
Inside

Palomino Petroleum

Backhand #1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton KS 67114

ATTN: Ryan Seib

Bachand #1

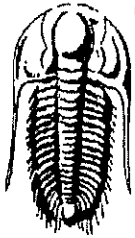
22-10S-29W Sheridan,KS

Start Date: 2019.02.17 @ 10:39:00

End Date: 2019.02.17 @ 16:57:30

Job Ticket #: 64606 DST #: 4

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th St.
 Newton KS 67114
 ATTN: Ryan Seib

22-10S-29W Sheridan, KS

Bachand #1

Job Ticket: 64606

DST#: 4

Test Start: 2019.02.17 @ 10:39:00

GENERAL INFORMATION:

Formation: **LKC "G - I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:57:00

Time Test Ended: 16:57:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: 77

Interval: **4007.00 ft (KB) To 7100.00 ft (KB) (TVD)**

Total Depth: 4100.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2810.00 ft (KB)

2805.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8673

Inside

Press@RunDepth: 154.47 psig @ 4008.00 ft (KB)

Start Date: 2019.02.17 End Date: 2019.02.17

Start Time: 10:39:05 End Time: 16:57:29

Capacity: 8000.00 psig

Last Calib.: 2019.02.17

Time On Btm: 2019.02.17 @ 12:56:30

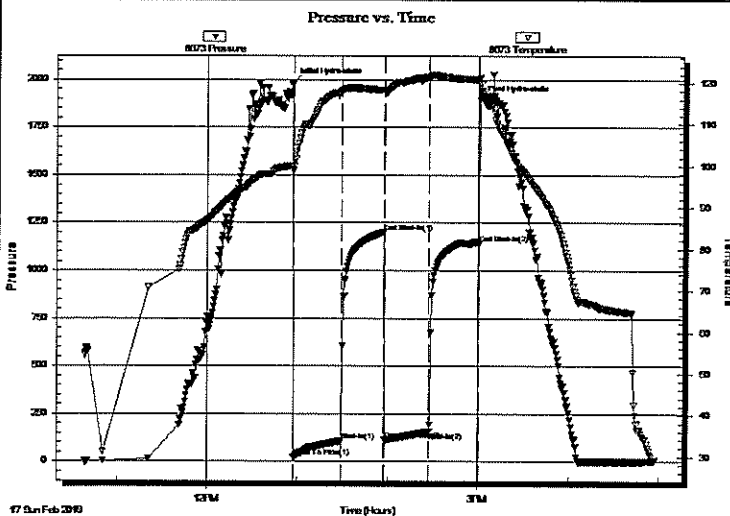
Time Off Btm: 2019.02.17 @ 15:01:30

TEST COMMENT: 30 - IFP - Surface blow built to bottom of the bucket at the end of the open

30 - ISI - No Return

30 - FFP - Surface blow built to 5"

30 - FSI - No Return



PRESSURE SUMMARY

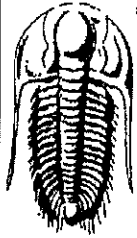
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1981.92	99.89	Initial Hydro-static
1	20.79	98.86	Open To Flow (1)
33	106.57	118.06	Shut-In(1)
61	1200.93	118.27	End Shut-In(1)
62	109.21	117.86	Open To Flow (2)
91	154.47	121.46	Shut-In(2)
125	1140.33	120.85	End Shut-In(2)
125	1892.90	121.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
198.00	OSMW - Oil Spots - 10%m - 90%w	1.39

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

22-10S-29W Sheridan,KS

4924 SE 84th St.
New ton KS 67114

Bachand #1

Job Ticket: 64606

DST#: 4

ATTN: Ryan Seib

Test Start: 2019.02.17 @ 10:39:00

Tool Information

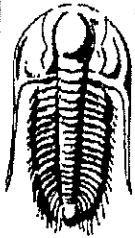
Drill Pipe:	Length: 3872.03 ft	Diameter: 3.25 inches	Volume: 39.73 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.02 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 40.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.05 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4007.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	93.00 ft			
Tool Length:	121.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3984.00	
Hydraulic tool	5.00			3989.00	
Jars	5.00			3994.00	
Safety Joint	3.00			3997.00	
Packer	5.00			4002.00	28.00 Bottom Of Top Packer
Packer	5.00			4007.00	
Stubb	1.00			4008.00	
Recorder	0.00	8360	Inside	4008.00	
Recorder	0.00	8673	Inside	4008.00	
Perforations	24.00		Outside	4032.00	
Change Over Sub	1.00		Outside	4033.00	
Drill Pipe	63.00			4096.00	
Change Over Sub	1.00			4097.00	
Bullnose	3.00			4100.00	93.00 Bottom Packers & Anchor

Total Tool Length: 121.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

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

22-10S-29W Sheridan,KS
Bachand #1
Job Ticket: 64606 DST#: 4
Test Start: 2019.02.17 @ 10:39:00

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:	60000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
198.00	OSMW - Oil Spots - 10%m - 90%w	1.390

Total Length: 198.00 ft Total Volume: 1.390 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

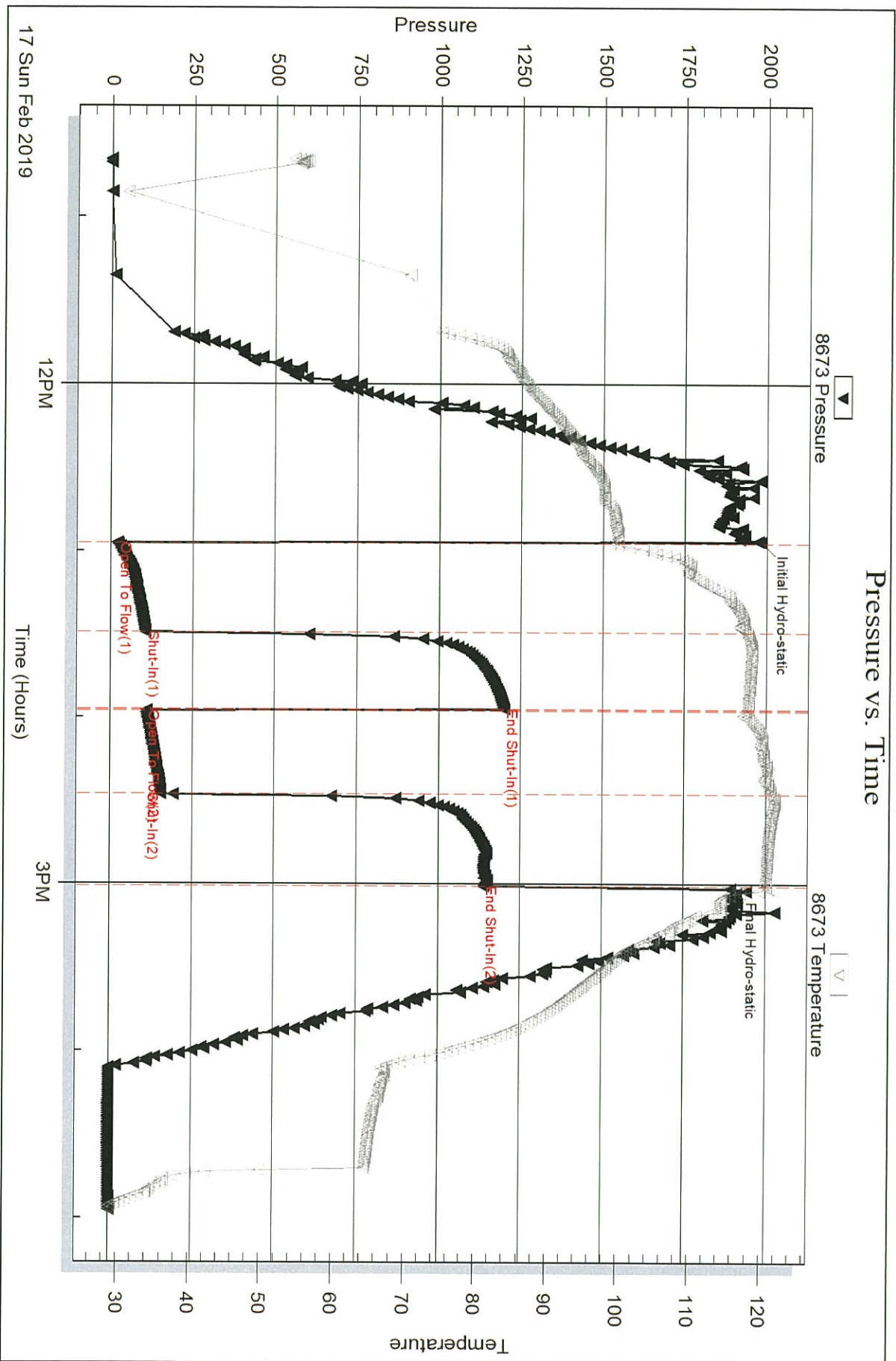
Serial #: 8673

Inside

Palomino Petroleum

Batchand #1

DST Test Number: 4



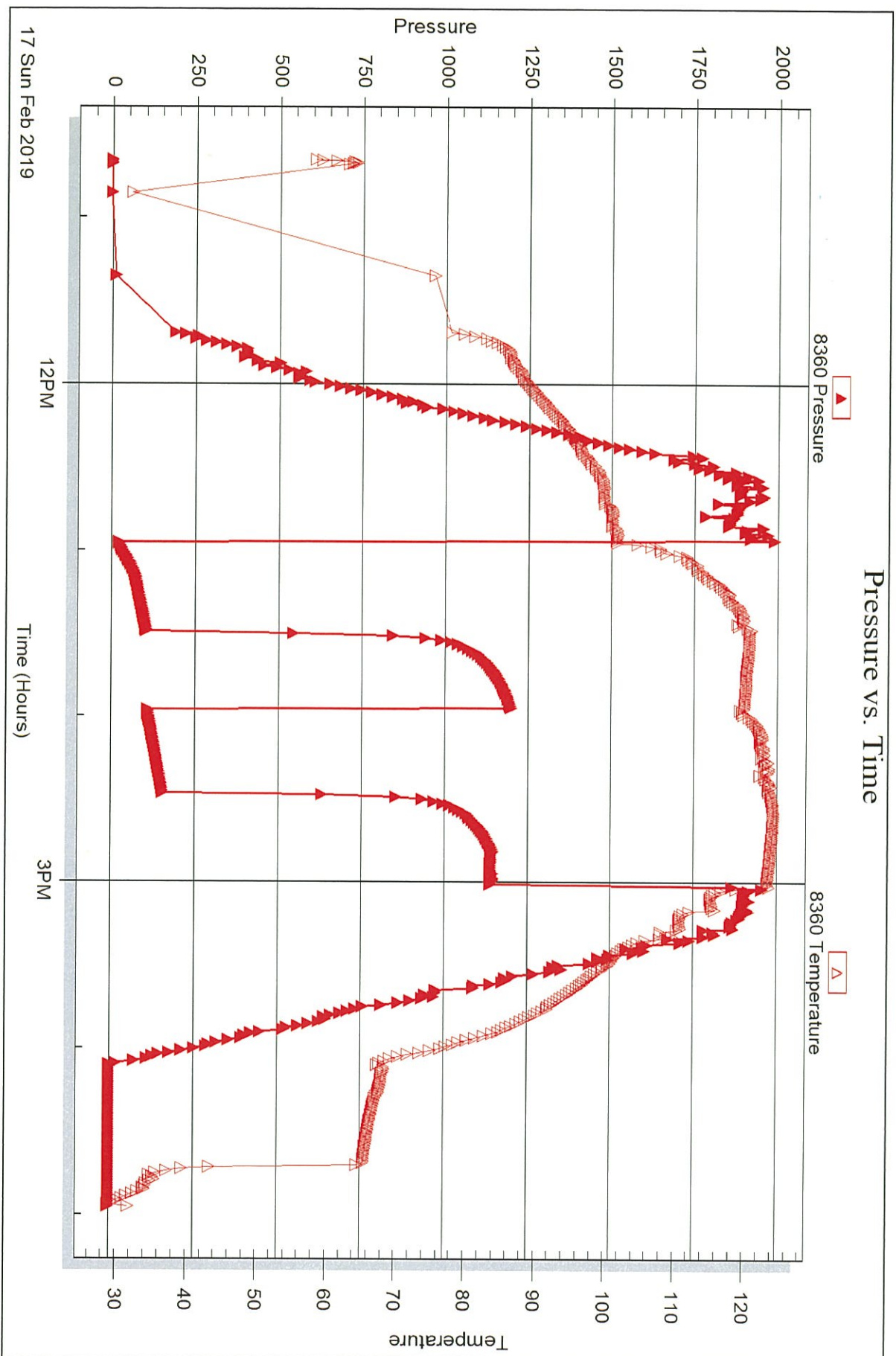
Serial #: 8360

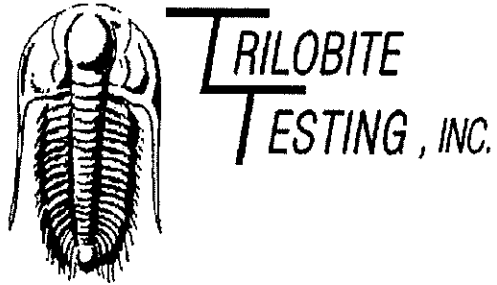
Inside

Palomino Petroleum

Bachand #1

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.
Newton KS 67114

ATTN: Ryan Seib

Bachand #1

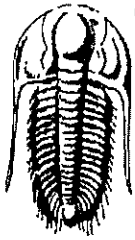
22-10S-29W Sheridan,KS

Start Date: 2019.02.18 @ 03:35:00

End Date: 2019.02.18 @ 09:18:15

Job Ticket #: 64607 DST #: 5

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

22-10S-29W Sheridan,KS
Bachand #1
Job Ticket: 64607 DST#: 5
Test Start: 2019.02.18 @ 03:35:00

GENERAL INFORMATION:

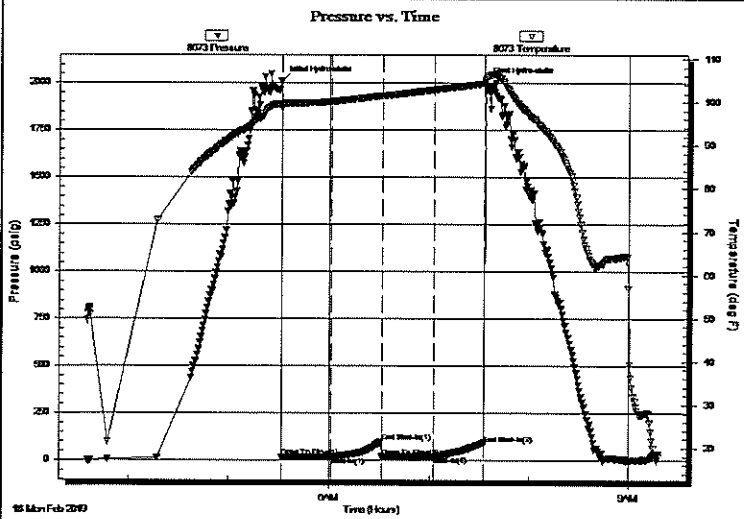
Formation: **LKC "K - L"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:32:00
Time Test Ended: 09:18:15
Interval: **4118.00 ft (KB) To 4185.00 ft (KB) (TVD)**
Total Depth: 4185.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: 77
Reference Elevations: 2810.00 ft (KB)
2805.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8673

Outside

Press@RunDepth: 20.55 psig @ 4119.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.02.18 End Date: 2019.02.18 Last Calib.: 2019.02.18
Start Time: 03:35:05 End Time: 09:18:14 Time On Btm: 2019.02.18 @ 05:31:45
Time Off Btm: 2019.02.18 @ 07:33:30

TEST COMMENT: 30 - IFP - Surface blow built up to ! 1/4"
30 - ISI - No Return
30 - FFP - No Surface blow
30 - FSI - No Return



PRESSURE SUMMARY

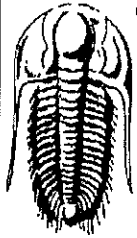
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2014.55	99.62	Initial Hydro-static
1	16.96	98.68	Open To Flow (1)
30	18.91	100.12	Shut-In(1)
60	100.04	101.49	End Shut-In(1)
61	19.03	101.49	Open To Flow (2)
91	20.55	102.87	Shut-In(2)
122	88.85	104.27	End Shut-In(2)
122	2007.17	105.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud - 100%m	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

22-10S-29W Sheridan, KS

4924 SE 84th St.
New ton KS 67114

Bachand #1

Job Ticket: 64607

DST#: 5

ATTN: Ryan Seib

Test Start: 2019.02.18 @ 03:35:00

Tool Information

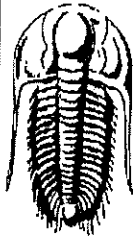
Drill Pipe:	Length: 3997.98 ft	Diameter: 3.25 inches	Volume: 41.02 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.02 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 41.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4118.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	95.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4095.00	
Hydraulic tool	5.00			4100.00	
Jars	5.00			4105.00	
Safety Joint	3.00			4108.00	
Packer	5.00			4113.00	28.00 Bottom Of Top Packer
Packer	5.00			4118.00	
Stubb	1.00			4119.00	
Recorder	0.00	8360	Inside	4119.00	
Recorder	0.00	8673	Outside	4119.00	
Perforations	29.00		Outside	4148.00	
Change Over Sub	1.00		Outside	4149.00	
Drill Pipe	32.00			4181.00	
Change Over Sub	1.00			4182.00	
Bullnose	3.00			4185.00	67.00 Bottom Packers & Anchor

Total Tool Length: 95.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

22-10S-29W Sheridan,KS

4924 SE 84th St.
New ton KS 67114

Bachand #1

Job Ticket: 64607

DST#: 5

ATTN: Ryan Seib

Test Start: 2019.02.18 @ 03:35:00

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud - 100%m	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

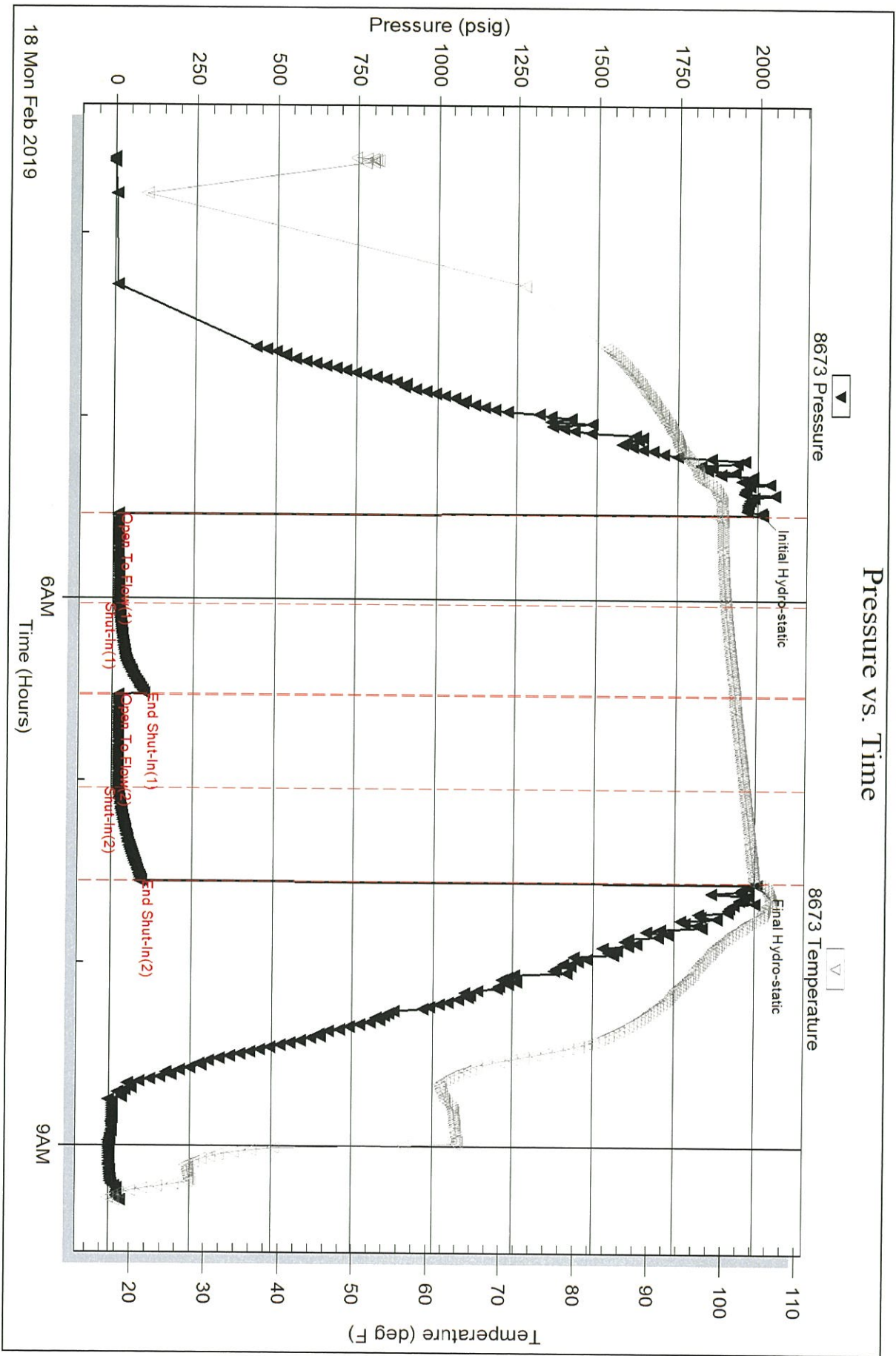
Recovery Comments:

Serial #: 8673

Outside Palomino Petroleum

Backhand #1

DST Test Number: 5



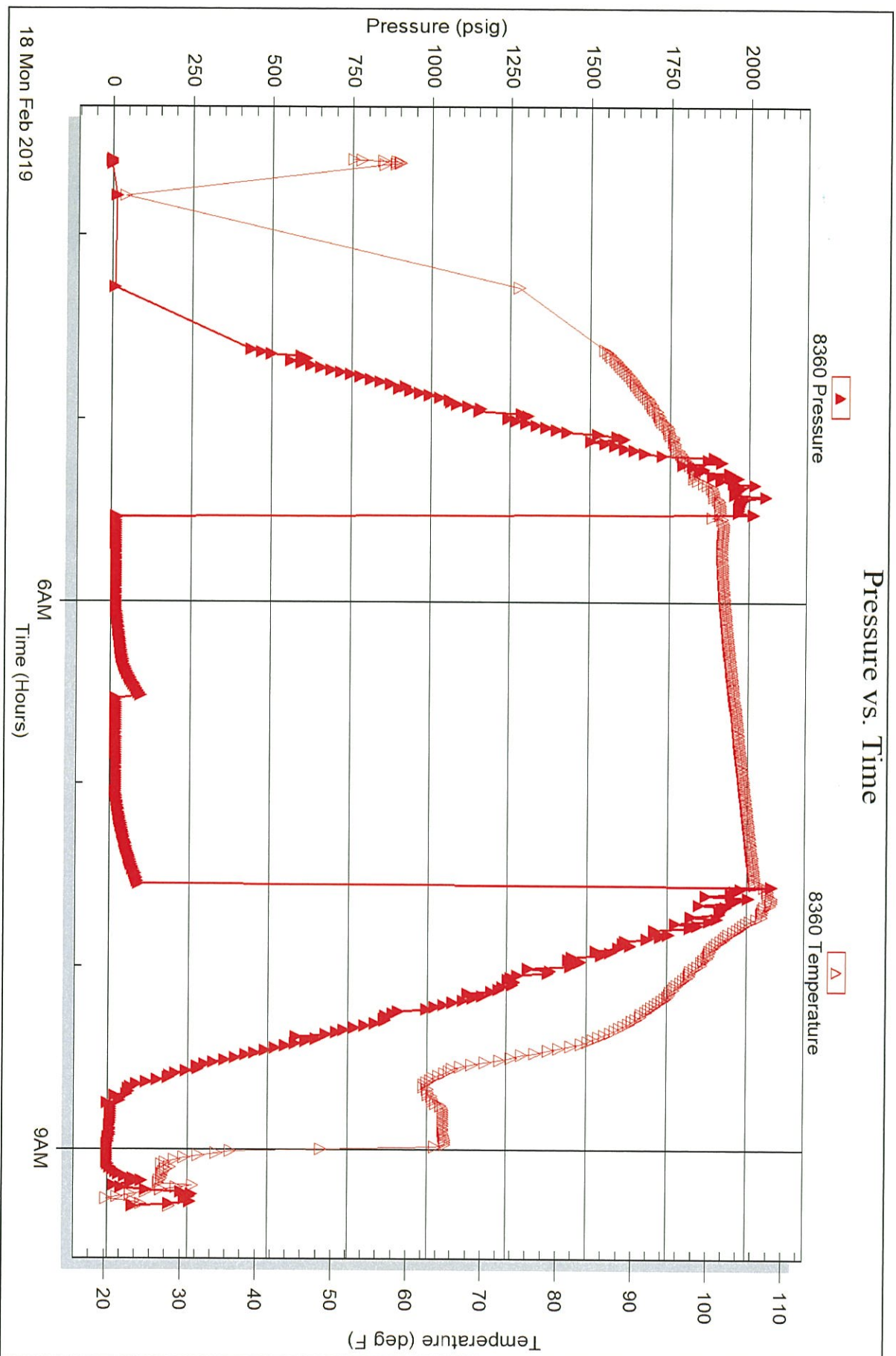
Serial #: 8360

Inside

Palomino Petroleum

Backhand #1

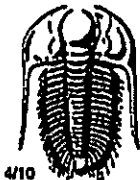
DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 64607

Printed: 2019:02:20 @ 08:11:25



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

No. 64603

Well Name & No. Bachard #1 Test No. 1 Date 2-15-19
 Company Palomino Petroleum Elevation 2810 KB 2805 GL
 Address 424 SE 84th St. Newton Ks, 67114
 Co. Rep / Geo. Ryan Seib Rig WW#10
 Location: Sec. 22 Twp 10S Rge. 29W Co. Sheridan State Ks

Interval Tested 3875'-3920' Zone Tested Toronto
 Anchor Length 45' Drill Pipe Run 3745.57' Mud Wt. 8.7
 Top Packer Depth 3870' Drill Collars Run 120.02' Vis let
 Bottom Packer Depth 3875' Wt. Pipe Run 0 WL 10.8
 Total Depth 3920' Chlorides 1500 ppm System LCM 8#

Blow Description IFP-Surface blow built to 1 1/4"
ISI-No Return
FFP-No Surface blow
FST-No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5'</u>	<u>CSM</u>	<u>Spots</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 5 BHT 100°F Gravity _____ API RW. _____ @ _____ °F Chlorides _____ ppm

- (A) Initial Hydrostatic 186l
- (B) First Initial Flow 16
- (C) First Final Flow 18
- (D) Initial Shut-In 308
- (E) Second Initial Flow 19
- (F) Second Final Flow 20
- (G) Final Shut-In 238
- (H) Final Hydrostatic 1716l

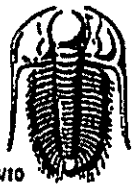
- Test 1200
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby 2 hrs
- Mileage 114 R/T 114
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1639

- T-On Location 10:00am
- T-Started 12:17am
- T-Open 3:00 pm
- T-Pulled 5:00 pm
- T-Out 6:43 pm
- Comments lost Circulation after short trip, Had to weld elevators.
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 0
- Total 1639
- MP/DST Disc't _____

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

Approved By _____ Our Representative Ryan Seib

Triobite 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.



TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64604

Well Name & No. Bachpad #1 Test No. 2 Date 2-16-19
 Company Palmiro Petroleum Elevation 2810 KB 2805 GL
 Address 4924 SE 8th St. Newton ks 67114
 Co. Rep / Geo. Lynn Seib Rig WW#10
 Location: Sec. 22 Twp 10S Rge. 29W Co. Sheridan State KS

Interval Tested ~~3917~~ 3934'-3980' Zone Tested Lansing BTC
 Anchor Length 46' Drill Pipe Run ~~120.02~~ 3808.98 Mud Wt. 8.7
 Top Packer Depth 3929' Drill Collars Run 120.02 Vis 167
 Bottom Packer Depth 3934' Wt. Pipe Run 0 WL 6.8
 Total Depth 3980' Chlorides 1500 ppm System LCM 8#
 Blow Description IFF-Surface blow built up to 4"
ISI-Had a faint return
FFP-Surface blow built up to 1 1/4"
EST-No return

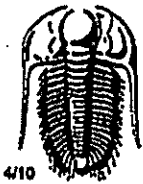
Rec	Feet of	%gas	spots	%oil	%water	%mud
125'	OSWM			50	50	
		%gas		%oil	%water	%mud
		%gas		%oil	%water	%mud
		%gas		%oil	%water	%mud
		%gas		%oil	%water	%mud

Rec Total 125' BHT 109°E Gravity _____ API RW 306@19 °F Chlorides 160,000 ppm

(A) Initial Hydrostatic 1902 Test 1200 T-On Location 3:20am
 (B) First Initial Flow 21 Jars 250 T-Started 4:00am
 (C) First Final Flow 46 Safety Joint 75 T-Open 5:33am
 (D) Initial Shut-In 1187 Circ Sub _____ T-Pulled 8:33am
 (E) Second Initial Flow 49 Hourly Standby _____ T-Out 10:26am
 (F) Second Final Flow 76 Mileage 114 R/T 114 Comments _____
 (G) Final Shut-In 1204 Sampler _____
 (H) Final Hydrostatic 1891 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow ~~160~~ 160 Extra Copies _____
 Final Shut-In ~~160~~ 160 Sub Total 0
 Total 1639
 MP/DST Disc't _____
 Sub Total 1639

Approved By _____ Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

No. 64605

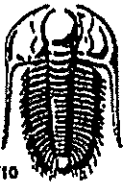
Well Name & No. Bechard #1 Test No. 3 Date 2-16-19
 Company Dalmina Petroleum Elevation 2810 KB 2805 GL
 Address 4924 SE 84th St. Newton Ks 67114
 Co. Rep / Geo. Ryan Seib Rig WJ10
 Location: Sec. 22 Twp 10S Rge. 29W Co. Sheridan State Ks

Interval Tested 3975' - 4003' Zone Tested Lansing - "D-F"
 Anchor Length 28' Drill Pipe Run 3840.50' Mud Wt. 9
 Top Packer Depth 3970' Drill Collars Run 120.02 Vis 54
 Bottom Packer Depth 3975' Wt. Pipe Run 0 WL 7.2
 Total Depth 4003' Chlorides 200 ppm System LCM 4#
 Blow Description IFP Surface blow built to 2 3/4" in 10 mins then died to 2 1/2"
IST - No Return
FFP Surface blow built to 2"
FST - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>121'</u>	<u>OSWM</u>	<u>Spots</u>	<u>40</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 121' BHT 107°F Gravity • API RW • 650 @ 20 °F Chlorides 26000 ppm
 (A) Initial Hydrostatic 1926 Test 1300 T-On Location 5:40 pm
 (B) First Initial Flow 39 Jars 250 T-Started 6:28 pm
 (C) First Final Flow 54 Safety Joint 75 T-Open 8:03 pm
 (D) Initial Shut-In 1235 Circ Sub _____ T-Pulled 10:03 pm
 (E) Second Initial Flow 57 Hourly Standby _____ T-Out 11:32 pm
 (F) Second Final Flow 70 Mileage 114 R/T 114 Comments _____
 (G) Final Shut-In 1176 Sampler _____
 (H) Final Hydrostatic 1883 Straddle _____
 Shale Packer _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1739 MP/DST Disc't _____
 Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Approved By _____ Our Representative Ryan Seib
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TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64606

Well Name & No. Bochard #1 Test No. 4 Date 2-17-19
 Company Palomino Petroleum Elevation 2810 KB 2805 GL
 Address 4924 SE 84th St. Newton Ks 67114
 Co. Rep / Geo: Ryan Seib Rig LJW #10
 Location: Sec. 22 Twp 10S Rge. 29W Co. Sheridan State Ks

Interval Tested 4007'-4100' Zone Tested Lansim-"G-I"
 Anchor Length 93' Drill Pipe Run 3872.03 Mud Wt. 9.1
 Top Packer Depth 4032' Drill Collars Run 120.02 Vis 50
 Bottom Packer Depth 4007' Wt. Pipe Run 0 WL 7.2
 Total Depth 4100' Chlorides 3000 ppm System LCM 4#

Blow Description JFP-Surface blow built to bottom of the bucket @ the end
ISI-No Return
FFP-Surface blow built to 5"
FST-No Return

Rec	Feet of	%gas	spts	%oil	%water	%mud
<u>198'</u>	<u>OSMW</u>			<u>90</u>	<u>0</u>	
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud
Rec	Feet of	%gas		%oil	%water	%mud

Rec Total 198 BHT 121°F Gravity _____ API RW 292 @ 27 °F Chlorides 60,000 ppm

- (A) Initial Hydrostatic 1982
- (B) First Initial Flow 21
- (C) First Final Flow 107
- (D) Initial Shut-In 1201
- (E) Second Initial Flow 109
- (F) Second Final Flow 154
- (G) Final Shut-In 1140
- (H) Final Hydrostatic 1893

- Test 1300
- Jars 250
- Safety Joint 75
- Circ Sub _____
- Hourly Standby _____
- Mileage 114 R/T 114
- Sampler _____
- Straddle _____
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____
- Sub Total 1739

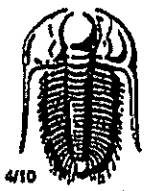
T-On Location 10:20am
 T-Started 10:39am
 T-Open 12:57pm
 T-Pulled 2:57pm
 T-Out 4:57pm

Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1739
 MP/DST Disc't _____

Approved By _____

Our Representative [Signature]

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TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64607

Well Name & No. Bochand #1 Test No. 5 Date 2-18-19
 Company Palomino Petroleum Elevation 2810 KB 2805 GL
 Address 4924 SE 84th St., Newton ks 67114
 Co. Rep / Geo. Ryan Seib Rig WW #10
 Location: Sec. 22 Twp 10S Rge. 29W Co. Sheridan State Ks

Interval Tested 4118' - 4185' Zone Tested Lansing - "K-L"
 Anchor Length 67' Drill Pipe Run 3997.98' Mud Wt. 9.1
 Top Packer Depth 4113' Drill Collars Run 120.02 Vis 50
 Bottom Packer Depth 4118' Wt. Pipe Run 0 WL 7.2
 Total Depth 4185' Chlorides 3000 ppm System LCM 4#
 Blow Description IFP - Surface blow built up to 1/4"
IST - No Return
FFP - No surface blow
FST - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5'</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 5' BHT 104°F Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2015 Test 1300 T-On Location 3:20am
 (B) First Initial Flow 17 Jars 250 T-Started 3:35am
 (C) First Final Flow 19 Safety Joint 75 T-Open 5:31am
 (D) Initial Shut-In 103 Circ Sub _____ T-Pulled 7:31am
 (E) Second Initial Flow 19 Hourly Standby _____ T-Out 9:18
 (F) Second Final Flow 21 Mileage 114 R/T 114+114 Comments Loaded tool from 9:18am to 10:30pm
 (G) Final Shut-In 89 Sampler _____ 2-19-19
 (H) Final Hydrostatic 2007 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1853
 Accessibility _____ MP/DST Disc't _____

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

Sub Total 1853

Approved By _____ Our Representative Ryan Seib
 Triobite 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.