

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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top _____ Bottom _____
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	HILTON TOKOI 2
Doc ID	1425285

All Electric Logs Run

Dual Induction
Compensated Density Neutron
Dual Receiver Cement Bond
Micro

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	HILTON TOKOI 2
Doc ID	1425285

Tops

Name	Top	Datum
Anhy.	1762	(+673)
Base Anhy.	1792	(+643)
Heebner	3721	(-1286)
Lansing	3763	(-1328)
Stark Shale	4006	(-1571)
BKC	4074	(-1639)
Marmaton	4119	(-1684)
Pawnee	4203	(-1768)
Ft. Scott	4270	(-1835)
Cherokee Sh.	4294	(-1839)
Miss.	4364	(-1929)
LTD	4518	(-2083)



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

RECEIVED
AUG 06 2018

Invoice

DATE	INVOICE #
8/2/2018	31574

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2	Hilton Tokoi	Ness	Express Well	Oil	Development	Cement Port Collar	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				30	Miles	5.00	150.00
576D-D	Pump Charge - Deep Surface (> 500 Ft.) & Port Collars				1	Job	1,300.00	1,300.00
330	Swift Multi-Density Standard (MIDCON II)				140	Sacks	16.25	2,275.00T
276	Flocele				50	Lb(s)	2.50	125.00T
290	D-Air				1	Gallon(s)	42.00	42.00T
104	Port Collar Tool Rental				1	Each	200.00	200.00T
581D	Service Charge Cement				200	Sacks	1.75	350.00
583D	Drayage				298.53	Ton Miles	0.85	253.75
	Subtotal							4,695.75
	Sales Tax Ness County						6.50%	171.73

We Appreciate Your Business!

Total

\$4,867.48



CHARGE TO: Palmino Petroleum
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 031574

PAGE 1 OF 1

SERVICE LOCATIONS 1. Ness City KS WELL/PROJECT NO. #2 LEASE Hilton Tokoi COUNTY/PARISH Lus STATE KS CITY Beeler DATE 2 AUG 18 OWNER
 2. TICKET TYPE SERVICE SALES CONTRACTOR EXPRESS RIG NAME/NO. SHIPPED VIA CT DELIVERED TO location ORDER NO.
 3. WELL TYPE oil WELL CATEGORY Redevelopment JOB PURPOSE cement port collar WELL PERMIT NO. WELL LOCATION
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE	TRK	114			5.00	150.00
576D		1			Pump Charge		PORT COLLAR	1	ea	1300.00	1300.00
330		1			SAND cement			140	sk	16.25	2275.00
276		1			Floccle			50	lb	2.50	125.00
290		1			D-AIR			1	gal	42.00	42.00
104		1			port collar opening tool rental			1	ea	200.00	200.00
581		1			Service charge			200	sk	1.75	350.00
583		1			Drayage			4902	lb	298.53	1463.75

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

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

X [Signature]
 DATE SIGNED TIME SIGNED A.M. P.M.

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

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				210.25 4645.75
WE UNDERSTOOD AND MET YOUR NEEDS?				
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				171.73
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				4817.48

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

SWIFT OPERATOR [Signature] APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 2 AUG 18 PAGE NO. 1

CUSTOMER Palomares Petroleum

WELL NO. #2

LEASE Hilton Tokoi

JOB TYPE Cement part collar

TICKET NO. 31574

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								200sk SMD cement w/ 1/4# floccula 2 3/4" x 5 1/2" part collar - 1731'
	1050							on loc TRK 114
	1110					1000	1000	test to 1000 psi - held
	1110							open part collar
	1118	3 1/2	2			100		inj rate 3 1/2 bpm @ 100 psi
	1121	3				100		mix SMD cement @ 11.2 ppg
		3	8			100		circ fluid to surface
								→ cement to surface ←
	1144		77					{ 400sk mixed } 15 to pit
			9					Displace w/ 9 bbl H ₂ O
	1200					1000	1000	close part collar test to 1000 psi - held
	1205		17					Run 4 joints Reverse hole clean - 2 cement plugs -
	1215							wash truck pull tool
								Back up
	1245							job complete Thanks Steve Hunt, & son etc.



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



Invoice

DATE	INVOICE #
7/25/2018	27345

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2	Hilton Tokoi	Ness	WW Drilling	Oil	Development	Long String	David E

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	40	Miles	5.00	200.00
578D-L	Pump Charge - Long String	1	Job	1,300.00	1,300.00
290	D-Air	3	Gallon(s)	42.00	126.00T
281	Mud Flush	500	Gallon(s)	1.50	750.00T
221	Liquid KCL (Clayfix)	4	Gallon(s)	25.00	100.00T
403-5	5 1/2" Cement Basket	1	Each	275.00	275.00T
404-5	5 1/2" Port Collar	1	Each	2,500.00	2,500.00T
406-5	5 1/2" Latch Down Plug & Baffle	1	Each	250.00	250.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill	1	Each	325.00	325.00T
409-5	5 1/2" Turbolizer	10	Each	85.00	850.00T
419-5	5 1/2" Rotating Head Rental	1	Each	200.00	200.00T
330	Swift Multi-Density Standard (MIDCON II)	125	Sacks	16.25	2,031.25T
325	Standard Cement	100	Sacks	13.00	1,300.00T
284	Calseal	5	Sack(s)	35.00	175.00T
283	Salt	550	Lb(s)	0.20	110.00T
285	CFR-1	50	Lb(s)	4.50	225.00T
276	Flocele	56	Lb(s)	2.50	140.00T
581D	Service Charge Cement	225	Sacks	1.75	393.75
583D	Drayage	446	Ton Miles	0.85	379.10
	Subtotal				11,630.10
	Sales Tax Ness County			6.50%	608.22

We Appreciate Your Business!	Total	\$12,238.32
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CHARGE TO: <i>PALOMINO Petroleum</i>
ADDRESS
CITY, STATE, ZIP CODE

TICKET 27345

PAGE 1	OF
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SERVICE LOCATIONS 1. <i>Hays Ks</i> 2. <i>Ness City Ks</i>	WELL/PROJECT NO. <i>#2</i>	LEASE <i>Hilton Tokoi</i>	COUNTY/PARISH <i>Ness</i>	STATE <i>Ks</i>	CITY	DATE <i>7-25-18</i>	OWNER
	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>WW Drilling</i>	RIG NAME/NO.	SHIPPED VIA <i>G</i>	DELIVERED TO <i>location</i>	ORDER NO.	
	WELL TYPE <i>Oil</i>	WELL CATEGORY <i>development</i>	JOB PURPOSE <i>long string</i>	WELL PERMIT NO.	WELL LOCATION		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE Trk #111	40		mi		5 ⁰⁰	200 ⁰⁰
578		1			Pump Charge - long string	1		EA		1300 ⁰⁰	1300 ⁰⁰
290		1			D-Air	3		GAL		42 ⁰⁰	126 ⁰⁰
281		1			Mudflush	500		GAL		1 ⁵⁰	750 ⁰⁰
221		1			Liquid Kcl	4		GAL		25 ⁰⁰	100 ⁰⁰
403		1			Cement Basket	1		EA	5 1/2	275 ⁰⁰	275 ⁰⁰
404		1			Port Collar	1		EA		2500 ⁰⁰	2500 ⁰⁰
406		1			latch Down Plug & Baffle	1		EA		250 ⁰⁰	250 ⁰⁰
407		1			Insert Float Shoe w/ Auto Fill	1		EA		325 ⁰⁰	325 ⁰⁰
409		1			Turbolizer	10		EA		85 ⁰⁰	850 ⁰⁰
419		1			Rotating Head Rental	1		EA		200 ⁰⁰	200 ⁰⁰

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

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

X

DATE SIGNED	TIME SIGNED	<input type="checkbox"/> A.M. <input type="checkbox"/> P.M.
-------------	-------------	--

REMIT PAYMENT TO:

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE		
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				P.1	6876 ⁰⁰
WE UNDERSTOOD AND MET YOUR NEEDS?				PAGE TOTAL	
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				P.2	4754 ¹⁰
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	11630 ¹⁰
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		Ness	
				6510	608 ³²
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	12238 ³²

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

SWIFT OPERATOR <i>David Edgerton</i>	APPROVAL
---	----------

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 7-25-18 PAGE NO.

CUSTOMER Palomino Petroleum WELL NO. #2 LEASE Hilton Tokoi JOB TYPE Long String TICKET NO. 27345

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	600							On location 5 1/2" x 14" RTD - 4520 LTD - 4518 Total Pipe - 4519.36 Shoe - 43.36 Baffle @ 4476 Centralizers - 1, 3, 4, 6, 8, 10, 12, 14, 16. & 65 Basket - 66 Port Collar - 66
	800							Start running Csg Break Circ on Bottom
	1000							
	1100	2	7			0		Plug rat hole 30 sks
	1105	6.5	12			200		pump mud flush - 500 Gals
	1110	6.5	20			200		pump kel spacer
	1110	6.5	0			200		Start cmt 95 sks smd @ 12.5 pps
		6.5	36			200		switch to EA-2 100 sks @ 15.5 pps
		5	60			150		End cmt
	1125							Drop plug - wash P&L
	1130	6.5	0			150		Start Disp
		6.5	75			400		Catch cmt
	1150	6.5	109			800		land plug - 1st psi - 800# land psi - 1500#
	1155							Release Psi - Day



RECEIVED
 JUL 20 2018
 BY: _____

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: 7/16/2018
 Invoice # 904
 P.O.#:
 Due Date: 8/15/2018
 Division: *Russell*

Invoice

Contact:
 Palomino Petroleum Inc
Address/Job Location:

4924 SE 84th
 Newton Ks 67114

Reference:
 HILTON TOKOI 2 SEC 26-17-26

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 641.27	No				
Common-Class A	120	\$ 1,776.75	Yes				
Calcium Chloride	6	\$ 241.50	Yes				
POZ Mix-Standard	30	\$ 150.94	Yes				
Bulk Truck Matl-Material Service Charge	159	\$ 114.28	No				
Pump Truck Mileage-Job to Nearest Camp	34	\$ 109.97	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	34	\$ 85.53	No				
Premium Gel (Bentonite)	3	\$ 62.53	Yes				

Invoice Terms:

Net 30

	SubTotal:	\$ 3,182.77
	<i>Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:</i>	\$ (79.57)
	SubTotal for Taxable Items:	\$ 2,175.93
	SubTotal for Non-Taxable Items:	\$ 927.27
	Total:	\$ 3,103.20
	Tax:	\$ 141.44
	Amount Due:	\$ 3,244.64
	Applied Payments:	
	Balance Due:	\$ 3,244.64

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.
 ©2008-2013 Straker Investments, LLC. All rights reserved.

QUALITY OILWELL CEMENTING, INC.

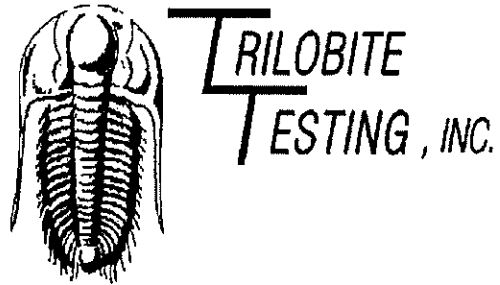
Federal Tax I.D.# 20-2886107

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

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

No. 904

Date	7-16-18	Sec.	26	Twp.	17	Range	26	County	Ness	State	Ks	On Location		Finish	6:00 PM	
Lease	Hilton Tokoi							Well No.	#2	Location Uteca Eastside E Rd, 75, 1w, N Int						
Contractor	WW #2							Owner 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 Palamino Petroleum								
Hole Size	12 1/4"		T.D.	218'		Street										
Csg.	8 5/8"		Depth	218'		City State										
Tbg. Size			Depth			The above was done to satisfaction and supervision of owner agent or contractor.										
Tool			Depth			Cement Amount Ordered 150 80/20 3% CC 2% Gel										
Cement Left in Csg.	15'		Shoe Joint	15'		Meas Line Displace 12 3/4 BLS										
EQUIPMENT													Common 120			
Pumptrk	20	No.	Cementer	David									Poz. Mix 30			
Bulktrk	3	No.	Driver	Jack									Gel. 3			
Bulktrk	p.u.	No.	Driver	Rick									Calcium 6			
JOB SERVICES & REMARKS													Hulls			
Remarks:	Cement did Circulate												Salt			
Rat Hole													Flowseal			
Mouse Hole													Kol-Seal			
Centralizers													Mud CLR 48			
Baskets													CFL-117 or CD110 CAF 38			
D/V or Port Collar													Sand			
													Handling 159			
													Mileage			
FLOAT EQUIPMENT																
													Guide Shoe			
													Centralizer			
													Baskets			
													AFU Inserts			
													Float Shoe			
													Latch Down			
													Pumptrk Charge Surface			
													Mileage 34			
Signature													Tax			
<i>[Signature]</i>													Discount			
Total Charge																



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE 84th St.
Newton Kansas 67114+8827

ATTN: Andrew Stenzel

Hilton Tokoi #2

26-17S-26W Ness,KS

Start Date: 2018.07.22 @ 07:10:00

End Date: 2018.07.22 @ 13:00:02

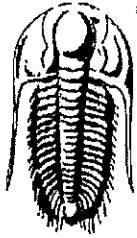
Job Ticket #: 63887 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2018.07.25 @ 16:12:42



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc.
4924 SE 84th St.
New ton Kansas 67114+8827
ATTN: Andrew Stenzel

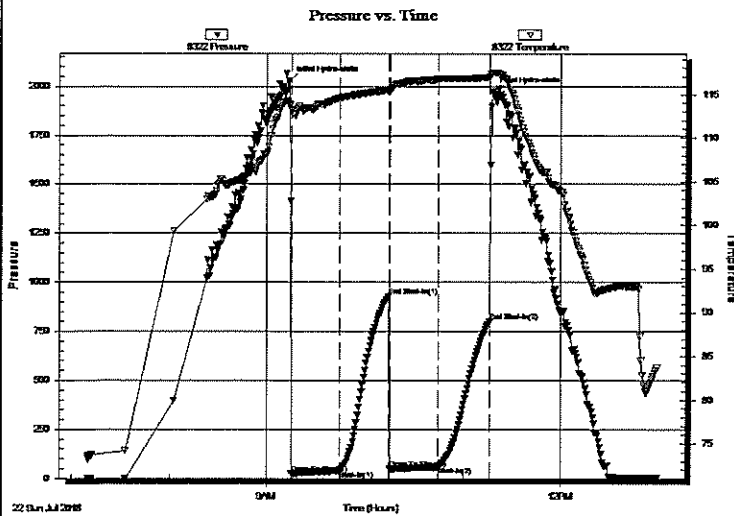
26-17S-26W Ness,KS
Hilton Tokoi #2
Job Ticket: 63887 DST#: 1
Test Start: 2018.07.22 @ 07:10:00

GENERAL INFORMATION:

Formation: **Marmaton - Ft. Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:15:02
Time Test Ended: 13:00:02
Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72
Interval: **4112.00 ft (KB) To 4300.00 ft (KB) (TVD)**
Reference Elevations: 2435.00 ft (KB)
Total Depth: 4300.00 ft (KB) (TVD) 2430.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8322 Inside
Press@RunDepth: 58.10 psig @ 4113.00 ft (KB) Capacity: psig
Start Date: 2018.07.22 End Date: 2018.07.22 Last Calib.: 2018.07.22
Start Time: 07:10:01 End Time: 13:00:02 Time On Btm: 2018.07.22 @ 09:14:02
Time Off Btm: 2018.07.22 @ 11:18:17

TEST COMMENT: IFP 30 Minutes Blow built to 1" then died in 24 minutes
ISI 30 Minutes No blow back
FFP 30 Minutes Surface blow for 3 minutes then dead
FSI 30 Minutes No blow back



PRESSURE SUMMARY

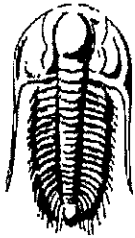
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2026.93	113.81	Initial Hydro-static
1	22.98	113.24	Open To Flow (1)
31	40.77	114.59	Shut-In(1)
61	930.92	115.45	End Shut-In(1)
61	47.67	115.30	Open To Flow (2)
91	58.10	116.75	Shut-In(2)
123	802.58	116.97	End Shut-In(2)
125	1972.39	117.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	Mud w/show oil in tool/ Mud 100%	0.37

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc.
4924 SE 84th St.
New ton Kansas 67114+8827
ATTN: Andrew Stenzel

26-17S-26W Ness,KS

Hilton Tokoi #2

Job Ticket: 63887 **DST#: 1**

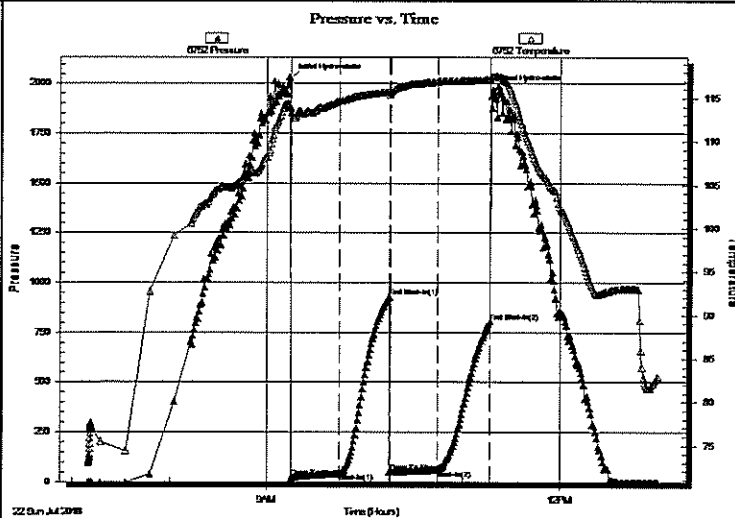
Test Start: 2018.07.22 @ 07:10:00

GENERAL INFORMATION:

Formation: **Marmaton - Ft. Scott**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:15:02
 Time Test Ended: 13:00:02
 Interval: **4112.00 ft (KB) To 4300.00 ft (KB) (TVD)**
 Total Depth: 4300.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 72
 Reference Elevations: 2435.00 ft (KB)
 2430.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6752 Outside
 Press@RunDepth: 806.40 psig @ 4114.00 ft (KB) Capacity: psig
 Start Date: 2018.07.22 End Date: 2018.07.22 Last Calib.: 2018.07.22
 Start Time: 07:10:01 End Time: 13:00:02 Time On Btm: 2018.07.22 @ 09:14:32
 Time Off Btm: 2018.07.22 @ 11:18:17

TEST COMMENT: IFP 30 Minutes Blow built to 1" then died in 24 minutes
 ISI 30 Minutes No blow back
 FFP 30 Minutes Surface blow for 3 minutes then dead
 FSI 30 Minutes No blow back



PRESSURE SUMMARY

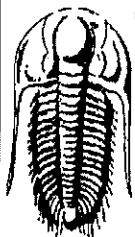
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2028.10	113.88	Initial Hydro-static
1	22.32	113.43	Open To Flow (1)
31	43.33	114.70	Shut-In(1)
60	930.04	115.70	End Shut-In(1)
61	48.12	115.57	Open To Flow (2)
90	58.96	116.93	Shut-In(2)
122	806.40	117.21	End Shut-In(2)
124	1971.27	117.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	Mud w/show oil in tool/ Mud 100%	0.37

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc.
4924 SE 84th St.
New ton Kansas 67114+8827
ATTN: Andrew Stenzel

26-17S-26W Ness,KS
Hilton Tokoi #2
Job Ticket: 63887 **DST#: 1**
Test Start: 2018.07.22 @ 07:10:00

Tool Information

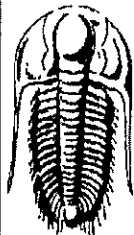
Drill Pipe:	Length: 3973.00 ft	Diameter: 3.80 inches	Volume: 55.73 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 56.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4112.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	187.94 ft			
Tool Length:	215.94 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			4089.00	
Hydraulic tool	5.00			4094.00	
Jars	6.00			4100.00	
Safety Joint	2.00			4102.00	
Top Packer	5.00			4107.00	
Packer	5.00			4112.00	28.00 Bottom Of Top Packer
Recorder	1.00	8322	Inside	4113.00	
Recorder	1.00	6752	Outside	4114.00	
Anchor	22.00			4136.00	
Change Over Sub	1.00			4137.00	
Drill Pipe	158.94			4295.94	
Change Over Sub	1.00			4296.94	
Bullnose	3.00			4299.94	187.94 Anchor Tool

Total Tool Length: 215.94



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.
4924 SE 84th St.
New ton Kansas 67114+8827
ATTN: Andrew Stenzel

26-17S-26W Ness,KS
Hilton Tokoi #2
Job Ticket: 63887 DST#: 1
Test Start: 2018.07.22 @ 07:10:00

Mud and Cushion Information

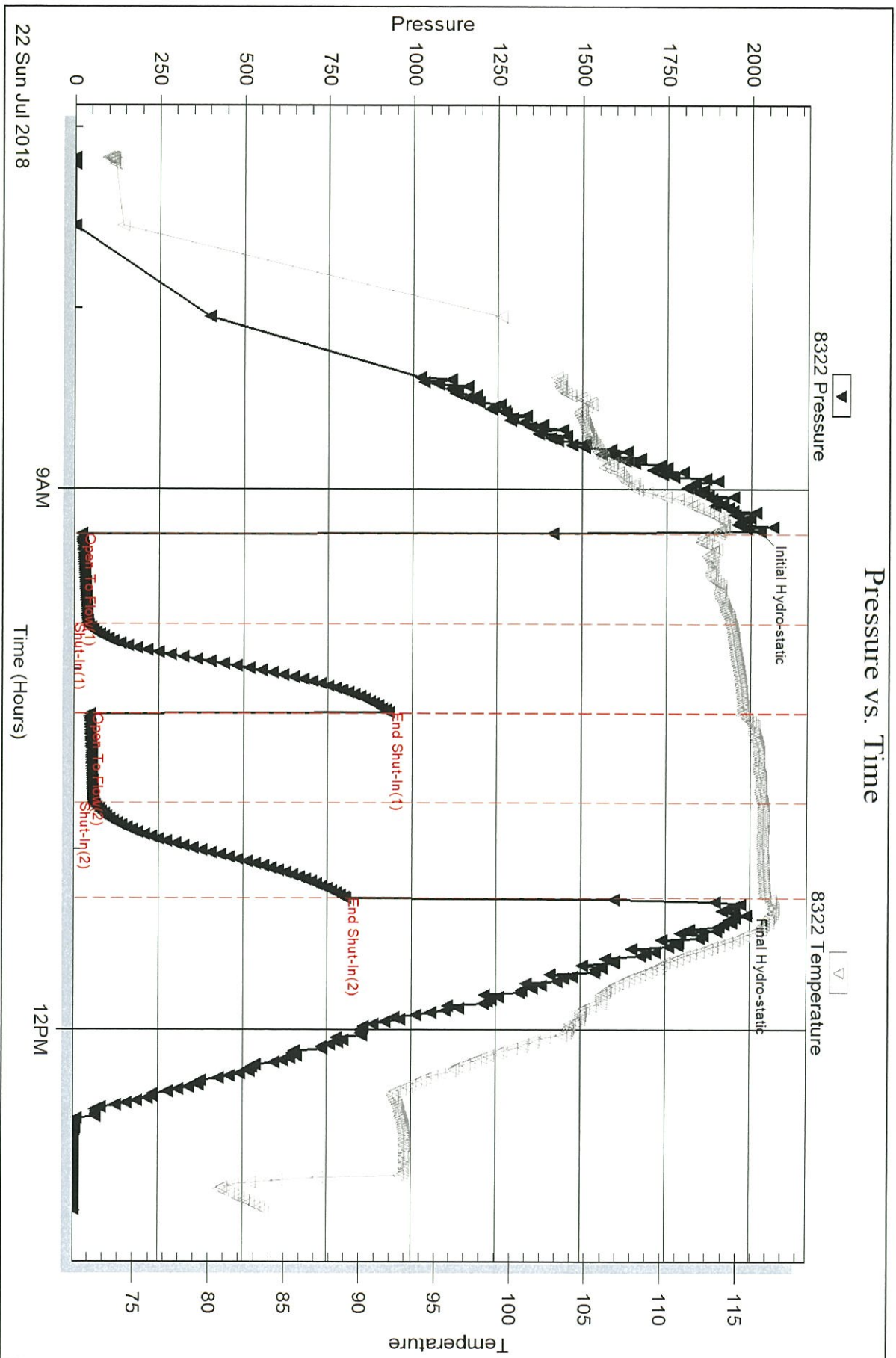
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 69.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5100.00 ppm			
Filter Cake: 1.00 inches			

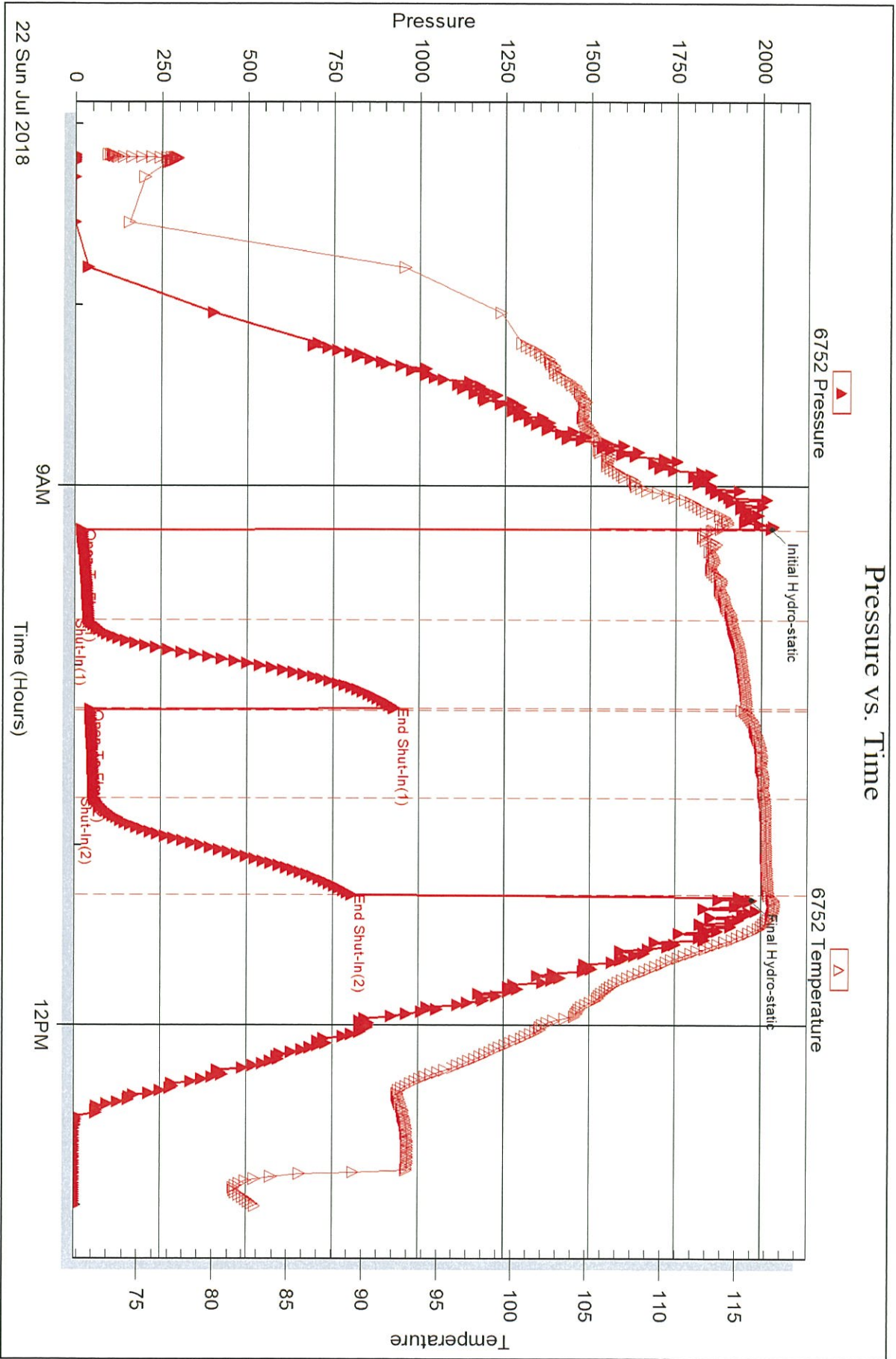
Recovery Information

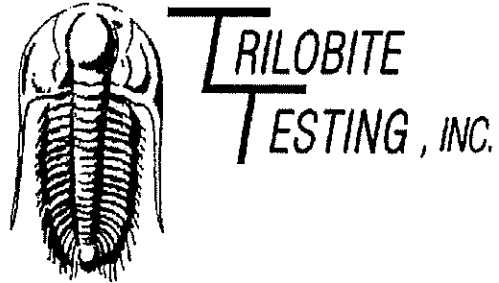
Recovery Table

Length ft	Description	Volume bbl
75.00	Mud w /show oil in tool/ Mud 100%	0.369

Total Length: 75.00 ft Total Volume: 0.369 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE 84th St.
Newton Kansas 67114+8827

ATTN: Andrew Stenzel

Hilton Tokoi #2

26-17S-26W Ness,KS

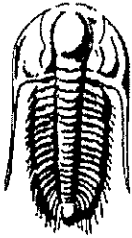
Start Date: 2018.07.23 @ 01:41:00

End Date: 2018.07.23 @ 08:35:02

Job Ticket #: 63888 DST #: 2

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

Printed: 2018.07.25 @ 16:12:17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc.
4924 SE 84th St.
New ton Kansas 67114+8827
ATTN: Andrew Stenzel

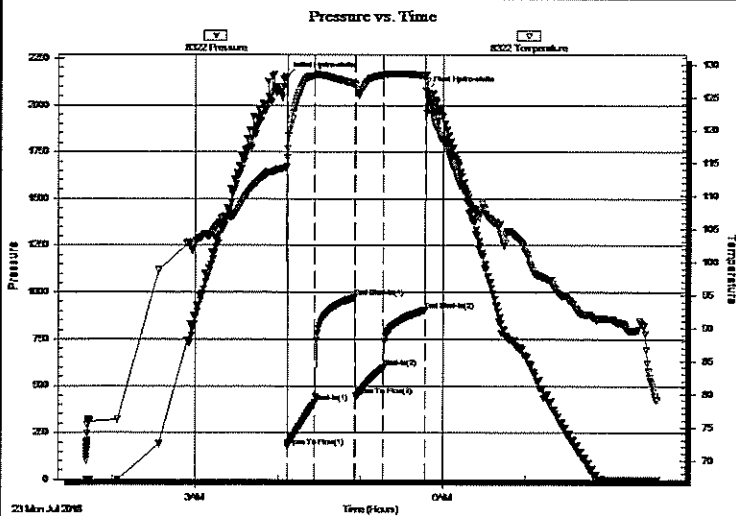
26-17S-26W Ness,KS
Hilton Tokoi #2
Job Ticket: 63888 DST#: 2
Test Start: 2018.07.23 @ 01:41:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:06:17
Time Test Ended: 08:35:02
Interval: **4308.00 ft (KB) To 4392.00 ft (KB) (TVD)**
Total Depth: 4392.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72
Reference Elevations: 2435.00 ft (KB)
2430.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8322 **Inside**
Press@RunDepth: 596.26 psig @ 4309.00 ft (KB) Capacity: psig
Start Date: 2018.07.23 End Date: 2018.07.23 Last Calib.: 2018.07.23
Start Time: 01:41:01 End Time: 08:35:02 Time On Btm: 2018.07.23 @ 04:05:47
Time Off Btm: 2018.07.23 @ 05:47:02

TEST COMMENT: IFP 20 Minutes Blow built to BOB in 2 minutes
ISI 30 Minutes 3" blow back
FFP 20 Mintues Blow built to BOB in 2 1/2 minutes
FSI 30 Mintues 1" blow back



PRESSURE SUMMARY

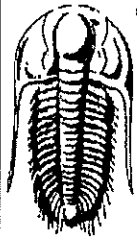
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2150.36	114.35	Initial Hydro-static
1	174.10	115.79	Open To Flow (1)
21	409.98	128.32	Shut-In(1)
50	973.19	127.00	End Shut-In(1)
51	449.06	126.72	Open To Flow (2)
71	596.26	128.38	Shut-In(2)
101	903.91	128.24	End Shut-In(2)
102	2077.70	128.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	GSOCM Oil 5% Gas 10% Mud 85%	2.39
62.00	GMCO Mud 10% Gas 20% Oil 70%	0.87
1255.00	GO Gas 30% Oil 70%	17.60
0.00	295' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc.
4924 SE 84th St.
New ton Kansas 67114+8827
ATTN: Andrew Stenzel

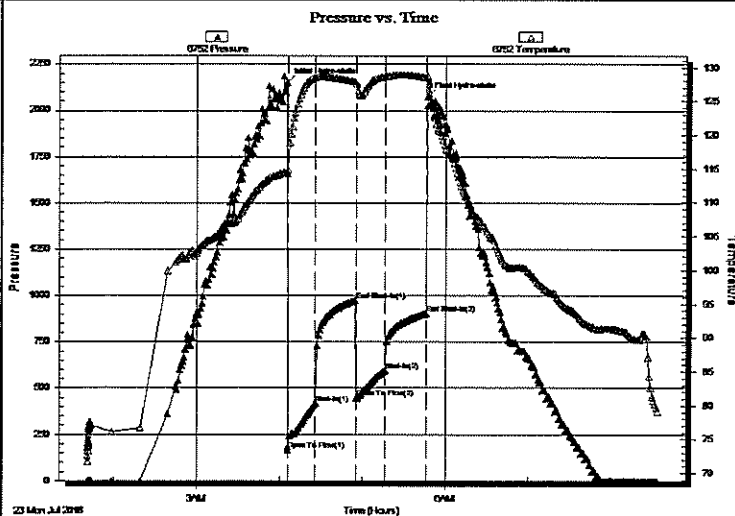
26-17S-26W Ness,KS
Hilton Tokoi #2
Job Ticket: 63888 DST#: 2
Test Start: 2018.07.23 @ 01:41:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:06:17
Time Test Ended: 08:35:02
Interval: **4308.00 ft (KB) To 4392.00 ft (KB) (TVD)**
Total Depth: 4392.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72
Reference Elevations: 2435.00 ft (KB)
2430.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6752 Outside
Press@RunDepth: 905.85 psig @ 4310.00 ft (KB) Capacity: psig
Start Date: 2018.07.23 End Date: 2018.07.23 Last Calib.: 2018.07.23
Start Time: 01:41:01 End Time: 08:35:02 Time On Btm: 2018.07.23 @ 04:05:32
Time Off Btm: 2018.07.23 @ 05:47:02

TEST COMMENT: IFP 20 Minutes Blow built to BOB in 2 minutes
ISI 30 Minutes 3" blow back
FFP 20 Mintues Blow built to BOB in 2 1/2 minutes
FSI 30 Mintues 1" blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2149.83	114.57	Initial Hydro-static
1	167.48	114.22	Open To Flow (1)
21	416.72	128.49	Shut-In(1)
50	975.57	127.83	End Shut-In(1)
51	446.74	127.61	Open To Flow (2)
71	596.50	128.63	Shut-In(2)
101	905.85	128.47	End Shut-In(2)
102	2072.14	128.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbbl)
248.00	GSOCM Oil 5% Gas 10% Mud 85%	2.39
62.00	GMCO Mud 10% Gas 20% Oil 70%	0.87
1255.00	GO Gas 30% Oil 70%	17.60
0.00	295' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc.

26-17S-26W Ness,KS

4924 SE 84th St.
New ton Kansas 67114+8827

Hilton Tokoi #2

Job Ticket: 63888

DST#: 2

ATTN: Andrew Stenzel

Test Start: 2018.07.23 @ 01:41:00

Tool Information

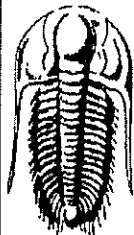
Drill Pipe:	Length: 4164.00 ft	Diameter: 3.80 inches	Volume: 58.41 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4308.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.73 ft			
Tool Length:	111.73 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			4285.00	
Hydraulic tool	5.00			4290.00	
Jars	6.00			4296.00	
Safety Joint	2.00			4298.00	
Top Packer	5.00			4303.00	
Packer	5.00			4308.00	28.00 Bottom Of Top Packer
Recorder	1.00	8322	Inside	4309.00	
Recorder	1.00	6752	Outside	4310.00	
Anchor	13.00			4323.00	
Change Over Sub	1.00			4324.00	
Drill Pipe	63.73			4387.73	
Change Over Sub	1.00			4388.73	
Bullnose	3.00			4391.73	83.73 Anchor Tool

Total Tool Length: 111.73



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.
4924 SE 84th St.
New ton Kansas 67114+8827
ATTN: Andrew Stenzel

26-17S-26W Ness,KS
Hilton Tokoi #2
Job Ticket: 63888 **DST#: 2**
Test Start: 2018.07.23 @ 01:41:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	GSOCM Oil 5% Gas 10% Mud 85%	2.386
62.00	GMCO Mud 10% Gas 20% Oil 70%	0.870
1255.00	GO Gas 30% Oil 70%	17.604
0.00	295' GIP	0.000

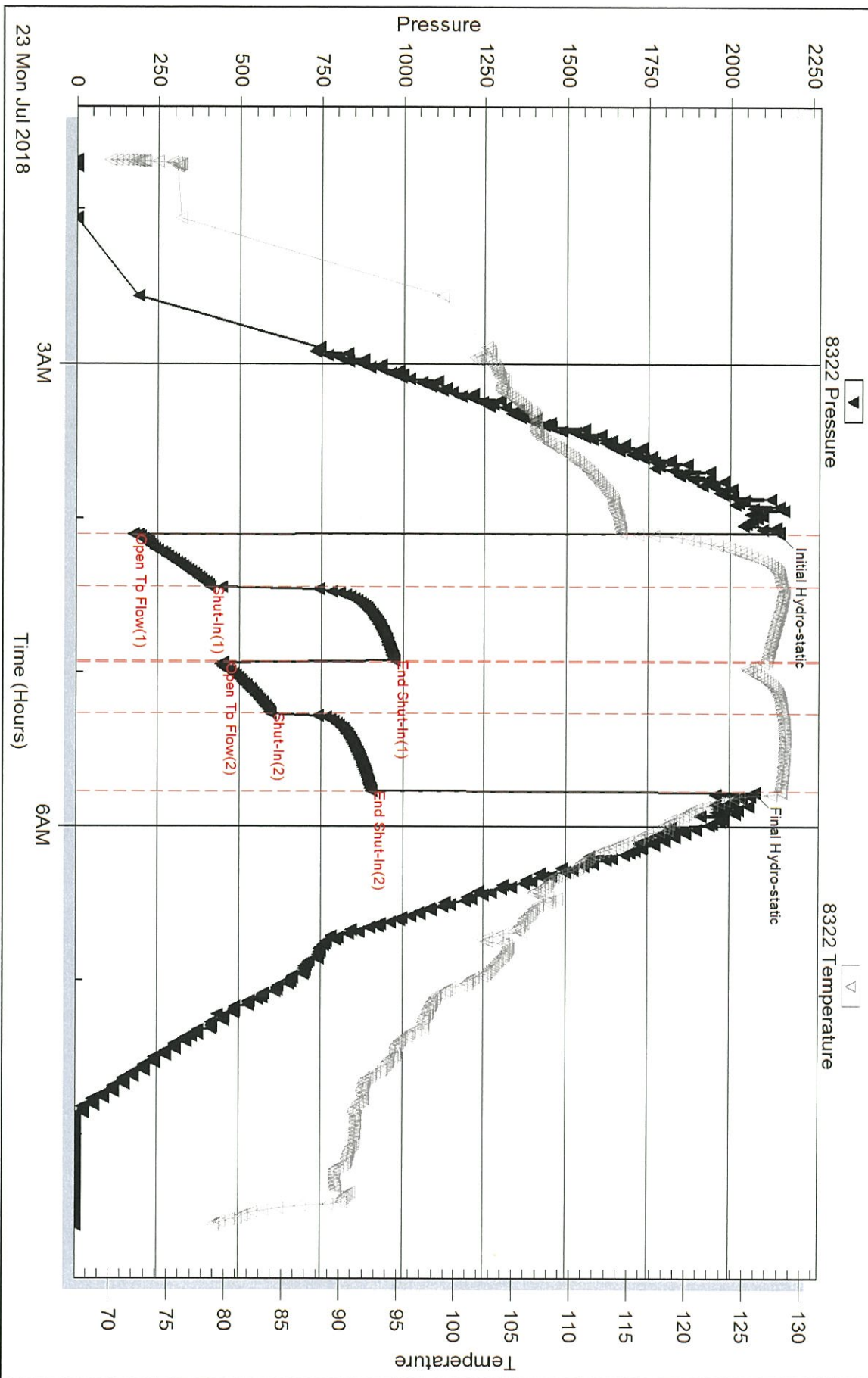
Total Length: 1565.00 ft Total Volume: 20.860 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

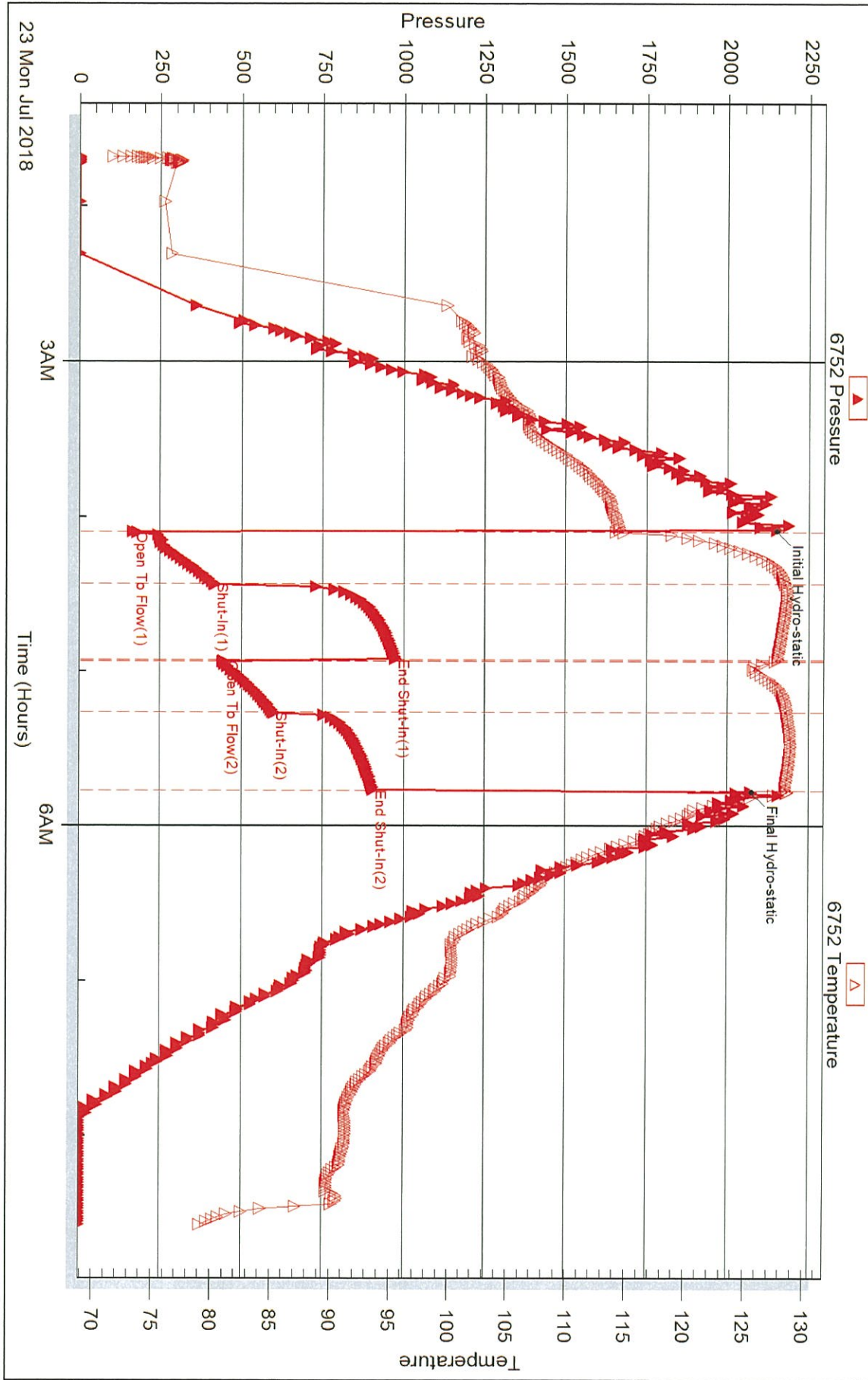
Laboratory Name: Laboratory Location:

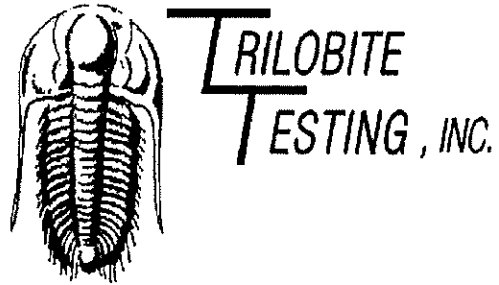
Recovery Comments:

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE 84th St.
Newton Kansas 67114+8827

ATTN: Andrew Stenzel

Hilton Tokoi #2

26-17S-26W Ness,KS

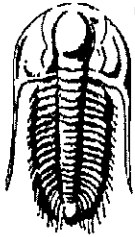
Start Date: 2018.07.23 @ 16:01:00

End Date: 2018.07.23 @ 22:41:02

Job Ticket #: 63889 DST #: 3

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

Printed: 2018.07.25 @ 16:11:17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc.
4924 SE 84th St.
New ton Kansas 67114+8827
ATTN: Andrew Stenzel

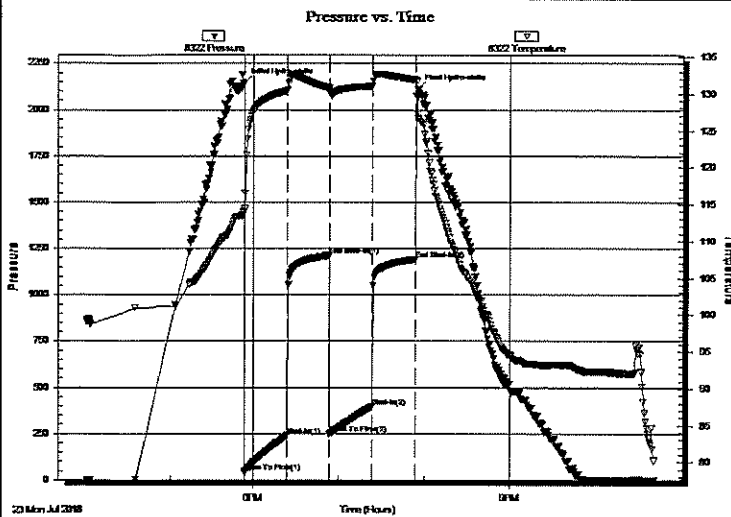
26-17S-26W Ness,KS
Hilton Tokoi #2
Job Ticket: 63889 DST#: 3
Test Start: 2018.07.23 @ 16:01:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:53:32
Time Test Ended: 22:41:02
Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72
Interval: **4394.00 ft (KB) To 4406.00 ft (KB) (TVD)**
Reference Elevations: 2435.00 ft (KB)
Total Depth: 4406.00 ft (KB) (TVD) 2430.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8322 Inside
Press@RunDepth: 395.98 psig @ 4395.00 ft (KB) Capacity: psig
Start Date: 2018.07.23 End Date: 2018.07.23 Last Calib.: 2018.07.23
Start Time: 16:01:01 End Time: 22:41:02 Time On Btm: 2018.07.23 @ 17:53:02
Time Off Btm: 2018.07.23 @ 19:55:02

TEST COMMENT: IFP 30 Minutes Blow built to BOB in 5 minutes
ISI 30 Minutes Surface blow back for 10 minutes
FFP 30 Minutes Blow built to 7" then died to 4"
FSI 30 Minutes No blow back



PRESSURE SUMMARY

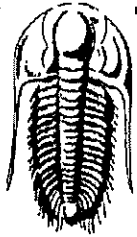
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2143.54	114.11	Initial Hydro-static
1	41.35	114.44	Open To Flow (1)
31	239.81	130.43	Shut-In(1)
60	1211.24	130.76	End Shut-In(1)
61	249.18	130.37	Open To Flow (2)
90	395.98	131.05	Shut-In(2)
121	1191.72	131.85	End Shut-In(2)
122	2111.25	126.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GSOCWM Oil 5% Gas 10% Water 35% MO.650%	
992.00	GO Gas 20% Oil 80%	13.92
0.00	248' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc.
4924 SE 84th St.
New ton Kansas 67114+8827
ATTN: Andrew Stenzel

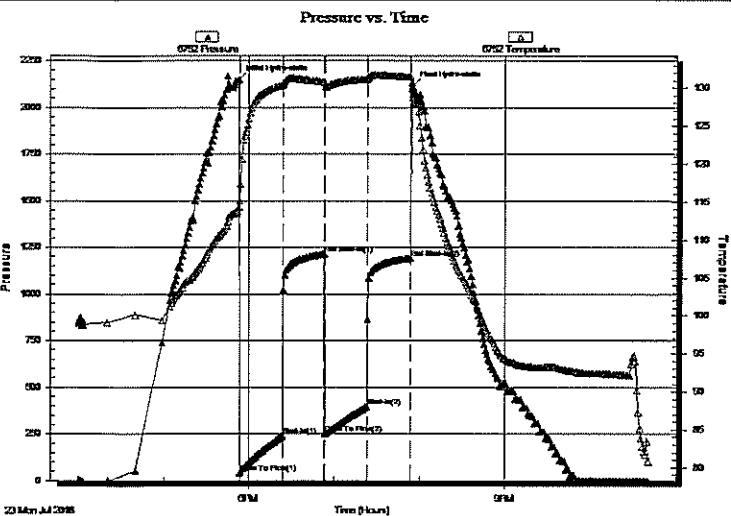
26-17S-26W Ness,KS
Hilton Tokoi #2
Job Ticket: 63889 DST#: 3
Test Start: 2018.07.23 @ 16:01:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:53:32
Time Test Ended: 22:41:02
Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72
Interval: **4394.00 ft (KB) To 4406.00 ft (KB) (TVD)**
Reference Elevations: 2435.00 ft (KB)
Total Depth: 4406.00 ft (KB) (TVD) 2430.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 6752 Outside
Press@RunDepth: 1192.90 psig @ 4396.00 ft (KB) Capacity: psig
Start Date: 2018.07.23 End Date: 2018.07.23 Last Calib.: 2018.07.23
Start Time: 16:01:01 End Time: 22:41:02 Time On Btm: 2018.07.23 @ 17:53:17
Time Off Btm: 2018.07.23 @ 19:55:02

TEST COMMENT: IFP 30 Minutes Blow built to BOB in 5 minutes
ISI 30 Minutes Surface blow back for 10 minutes
FFP 30 Minutes Blow built to 7" then died to 4"
FSI 30 Minutes No blow back



PRESSURE SUMMARY

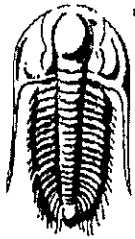
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2148.82	114.35	Initial Hydro-static
1	44.81	115.12	Open To Flow (1)
31	241.34	130.42	Shut-In(1)
60	1212.62	130.80	End Shut-In(1)
61	252.10	130.23	Open To Flow (2)
90	396.89	131.17	Shut-In(2)
120	1192.90	131.50	End Shut-In(2)
122	2113.86	129.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbi)
124.00	GSOCWM Oil 5% Gas 10% Water 35% M0.650%	
992.00	GO Gas 20% Oil 80%	13.92
0.00	248' GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc.
4924 SE 84th St.
New ton Kansas 67114+8827
ATTN: Andrew Stenzel

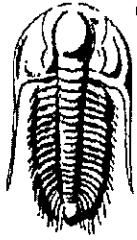
26-17S-26W Ness,KS
Hilton Tokoi #2
Job Ticket: 63889 **DST#: 3**
Test Start: 2018.07.23 @ 16:01:00

Tool Information

Drill Pipe:	Length: 4260.00 ft	Diameter: 3.80 inches	Volume: 59.76 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: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 60.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4394.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	39.00 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			4372.00	
Hydraulic tool	5.00			4377.00	
Jars	5.00			4382.00	
Safety Joint	2.00			4384.00	
Top Packer	5.00			4389.00	
Packer	5.00			4394.00	27.00 Bottom Of Top Packer
Recorder	1.00	8322	Inside	4395.00	
Recorder	1.00	6752	Outside	4396.00	
Anchor	7.00			4403.00	
Bullnose	3.00			4406.00	12.00 Anchor Tool
Total Tool Length:	39.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.
4924 SE 84th St.
New ton Kansas 67114+8827
ATTN: Andrew Stenzel

26-17S-26W Ness,KS
Hilton Tokoi #2
Job Ticket: 63889 DST#: 3
Test Start: 2018.07.23 @ 16:01:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Satinity: 12000 ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.78 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6800.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	GSOCWM Oil 5% Gas 10% Water 35% Mud 5	0.646
992.00	GO Gas 20% Oil 80%	13.915
0.00	248' GIP	0.000

Total Length: 1116.00 ft Total Volume: 14.561 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Recovery Resistivity .445 ohms @ 80 deg.

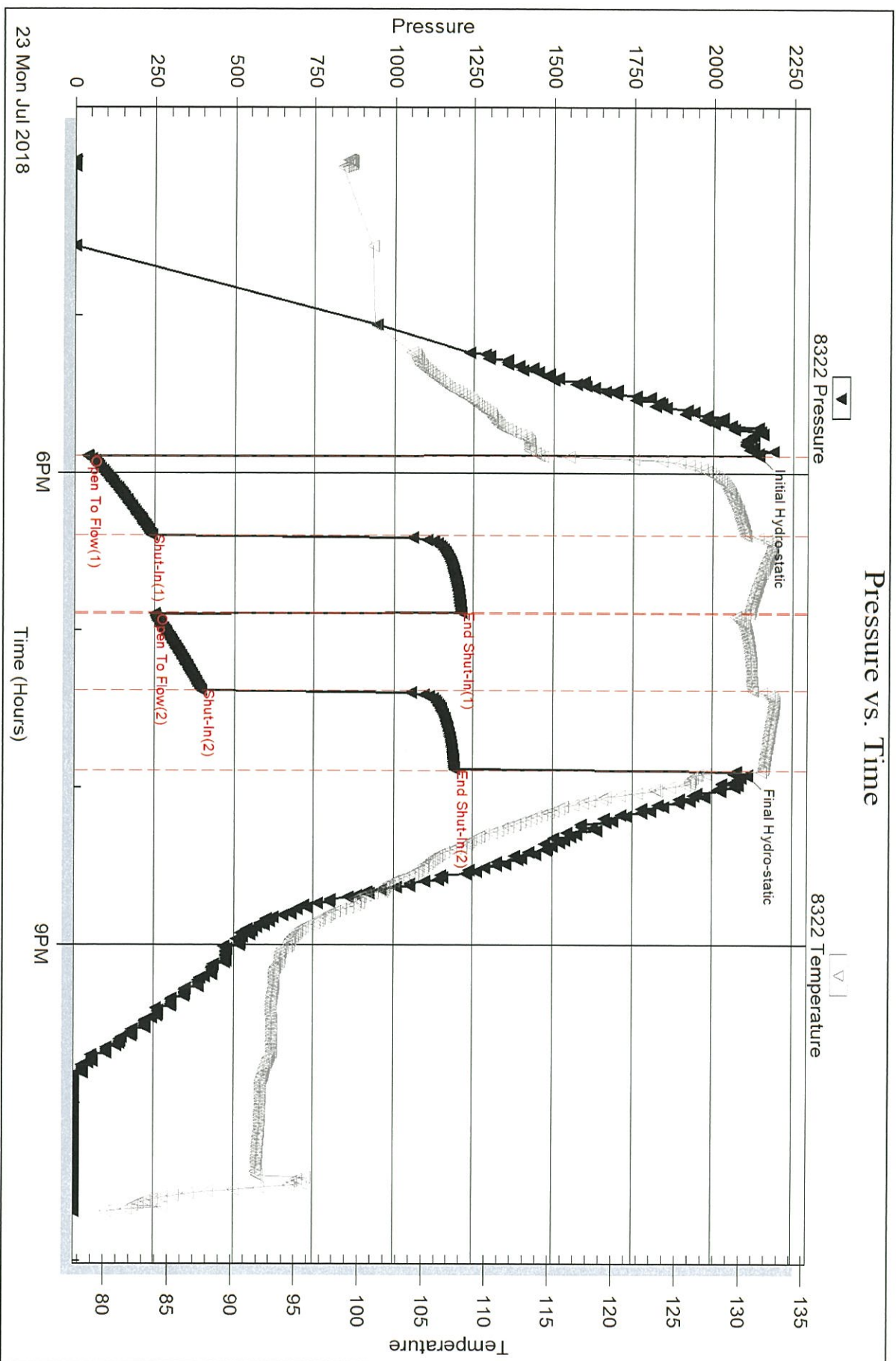
Serial #: 8322

Inside

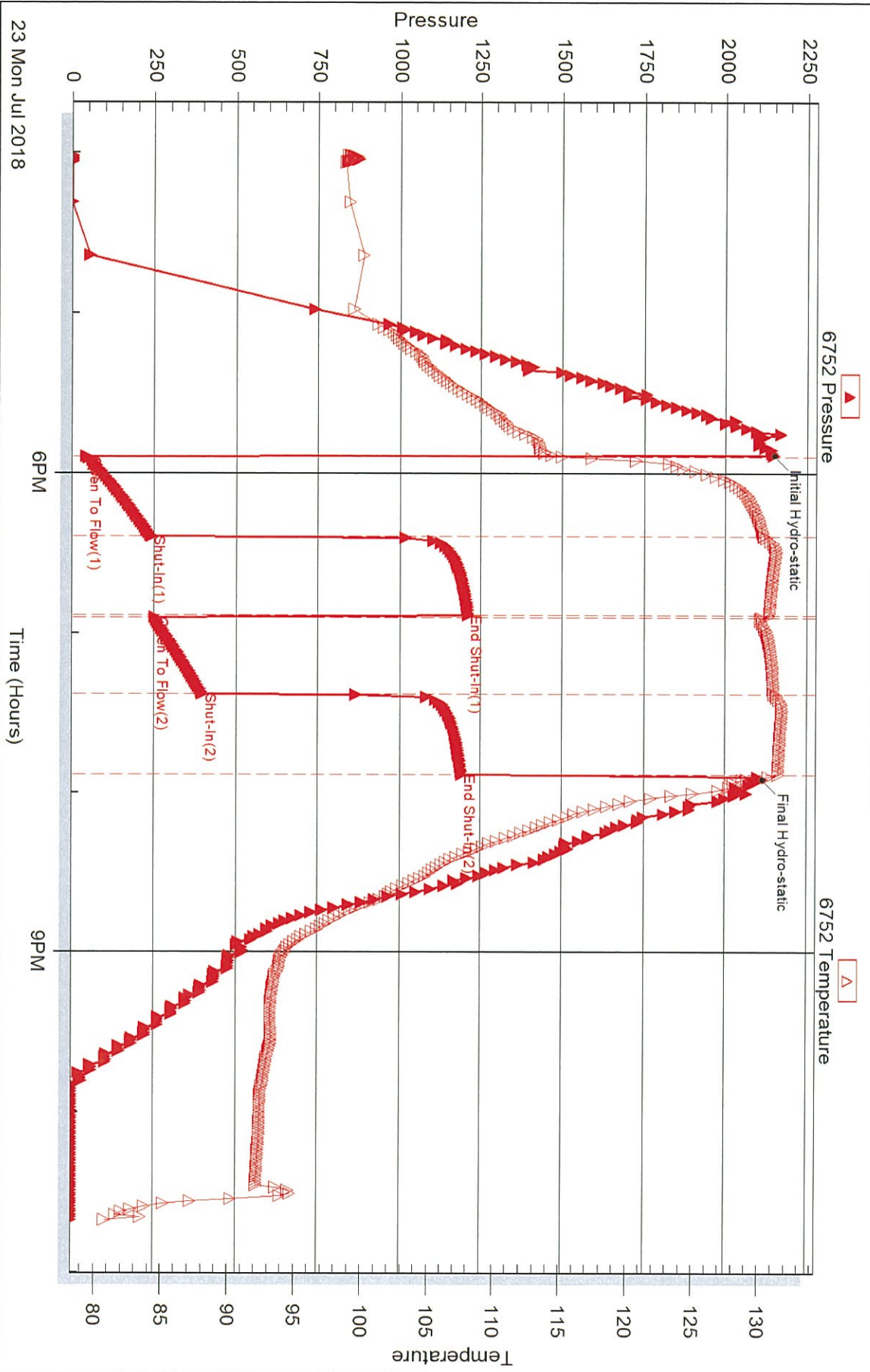
Palomino Petroleum Inc.

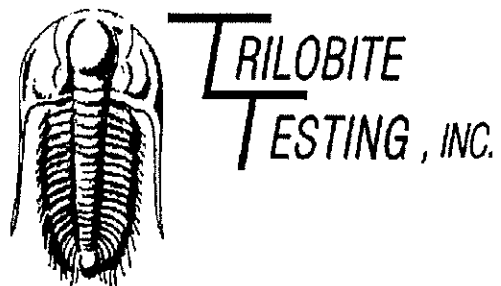
Hilton Tokoi #2

DST Test Number: 3



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum Inc.**

4924 SE 84th St.
Newton Kansas 67114+8827

ATTN: Andrew Stenzel

Hilton Tokoi #2

26-17S-26W Ness,KS

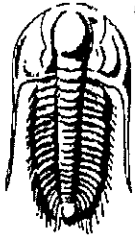
Start Date: 2018.07.24 @ 15:59:00

End Date: 2018.07.24 @ 22:07:02

Job Ticket #: 63890 DST #: 4

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

Printed: 2018.07.25 @ 16:10:48



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum Inc.
 4924 SE 84th St.
 New ton Kansas 67114+8827
 ATTN: Andrew Stenzel

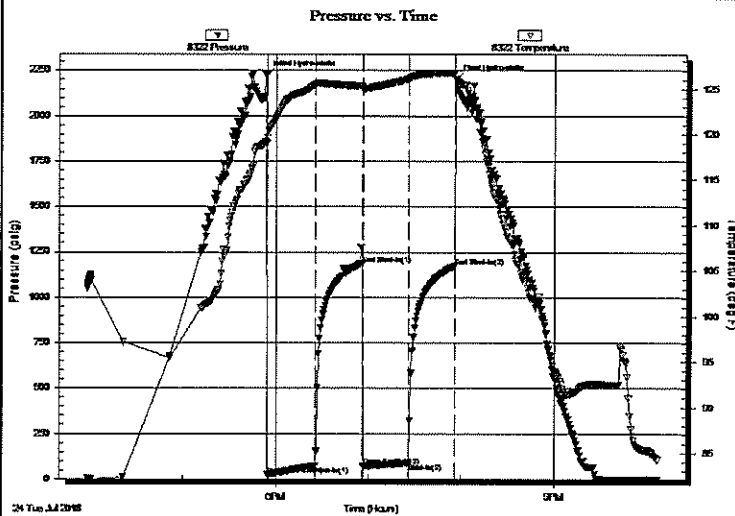
26-17S-26W Ness,KS
Hilton Tokoi #2
 Job Ticket: 63890 DST#: 4
 Test Start: 2018.07.24 @ 15:59:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Straddle (Initial)
 Time Tool Opened: 17:54:17 Tester: Ken Swinney
 Time Test Ended: 22:07:02 Unit No: 72
 Interval: **4406.00 ft (KB) To 4422.00 ft (KB) (TVD)** Reference Elevations: 2435.00 ft (KB)
 Total Depth: 4422.00 ft (KB) (TVD) 2430.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8322 Inside
 Press@RunDepth: 89.63 psig @ 4407.00 ft (KB) Capacity: psig
 Start Date: 2018.07.24 End Date: 2018.07.24 Last Calib.: 2018.07.24
 Start Time: 15:59:01 End Time: 22:07:02 Time On Btm: 2018.07.24 @ 17:54:02
 Time Off Btm: 2018.07.24 @ 19:56:47

TEST COMMENT: IFP 30 Minutes Blow built to 3 1/2"
 ISI 30 Minutes No blow back
 FFP 30 Minutes Blow built to 2"
 FSI 30 Minutes No blow back



PRESSURE SUMMARY

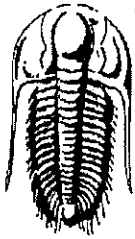
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2225.26	119.11	Initial Hydro-static
1	23.35	119.01	Open To Flow (1)
32	68.79	125.47	Shut-In(1)
62	1183.01	125.22	End Shut-In(1)
63	71.48	124.91	Open To Flow (2)
92	89.63	126.07	Shut-In(2)
122	1172.77	126.72	End Shut-In(2)
123	2199.98	126.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
175.00	MW w /skim oil Mud 15% Water 85%	5902.18

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum Inc.
 4924 SE 84th St.
 New ton Kansas 67114+8827
 ATTN: Andrew Stenzel

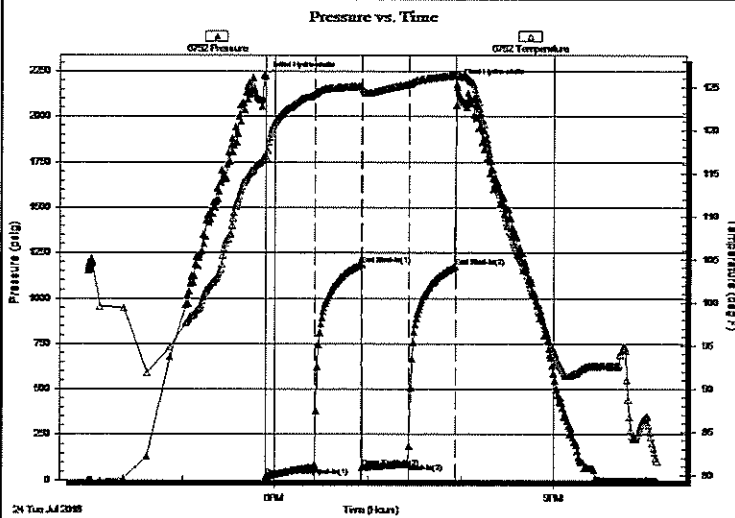
26-17S-26W Ness,KS
Hilton Tokoi #2
 Job Ticket: 63890 DST#: 4
 Test Start: 2018.07.24 @ 15:59:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Straddle (Initial)
 Time Tool Opened: 17:54:17 Tester: Ken Swinney
 Time Test Ended: 22:07:02 Unit No: 72
 Interval: **4406.00 ft (KB) To 4422.00 ft (KB) (TVD)** Reference Elevations: 2435.00 ft (KB)
 Total Depth: 4422.00 ft (KB) (TVD) 2430.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 6752 Outside
 Press@RunDepth: 1175.03 psig @ 4408.00 ft (KB) Capacity: psig
 Start Date: 2018.07.24 End Date: 2018.07.24 Last Calib.: 2018.07.24
 Start Time: 15:59:01 End Time: 22:07:02 Time On Btm: 2018.07.24 @ 17:53:47
 Time Off Btm: 2018.07.24 @ 19:57:02

TEST COMMENT: IFP 30 Minutes Blow built to 3 1/2"
 ISI 30 Minutes No blow back
 FFP 30 Minutes Blow built to 2"
 FSI 30 Minutes No blow back



PRESSURE SUMMARY

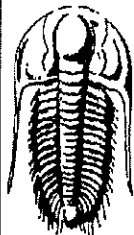
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2223.74	117.13	Initial Hydro-static
1	22.93	116.79	Open To Flow (1)
32	70.16	124.23	Shut-In(1)
63	1183.49	125.09	End Shut-In(1)
63	72.91	124.82	Open To Flow (2)
93	90.98	125.38	Shut-In(2)
123	1175.03	126.44	End Shut-In(2)
124	2181.65	126.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
175.00	MW w /skim oil Mud 15% Water 85%	5902.18

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum Inc.
4924 SE 84th St.
New ton Kansas 67114+8827
ATTN: Andrew Stenzel

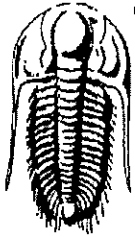
26-17S-26W Ness,KS
Hilton Tokoi #2
Job Ticket: 63890 **DST#: 4**
Test Start: 2018.07.24 @ 15:59:00

Tool Information

Drill Pipe:	Length: 4292.00 ft	Diameter: 3.80 inches	Volume: 60.21 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: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 225.00 inches	Volume: 5901.40 bbl	Weight to Pull Loose: 75000.00 lb
			Total Volume: 5961.61 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.66 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4406.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	4419.00 ft			
Interval between Packers:	13.00 ft			
Tool Length:	134.34 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4387.34	
Hydraulic tool	5.00			4392.34	
Jars	5.00			4397.34	
Safety Joint	2.00			4399.34	
Top Packer	5.00			4404.34	
Packer	1.66			4406.00	23.66 Bottom Of Top Packer
Recorder	1.00	8322	Inside	4407.00	
Recorder	1.00	6752	Outside	4408.00	
Anchor	11.00			4419.00	13.00 Tool Interval
Packer	3.06			4422.06	
Blank Off Sub	1.00			4423.06	
Perforations	25.00			4448.06	
Change Over Sub	1.03			4449.09	
Recorder	0.00	6755	Below	4449.09	
Drill Pipe	63.73			4512.82	
Change Over Sub	0.86			4513.68	
Bullnose	3.00			4516.68	97.68 Bottom Packers & Anchor
Total Tool Length:	134.34				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc.
4924 SE 84th St.
New ton Kansas 67114+8827
ATTN: Andrew Stenzel

26-17S-26W Ness,KS
Hilton Tokoi #2
Job Ticket: 63890 **DST#: 4**
Test Start: 2018.07.24 @ 15:59:00

Mud and Cushion Information

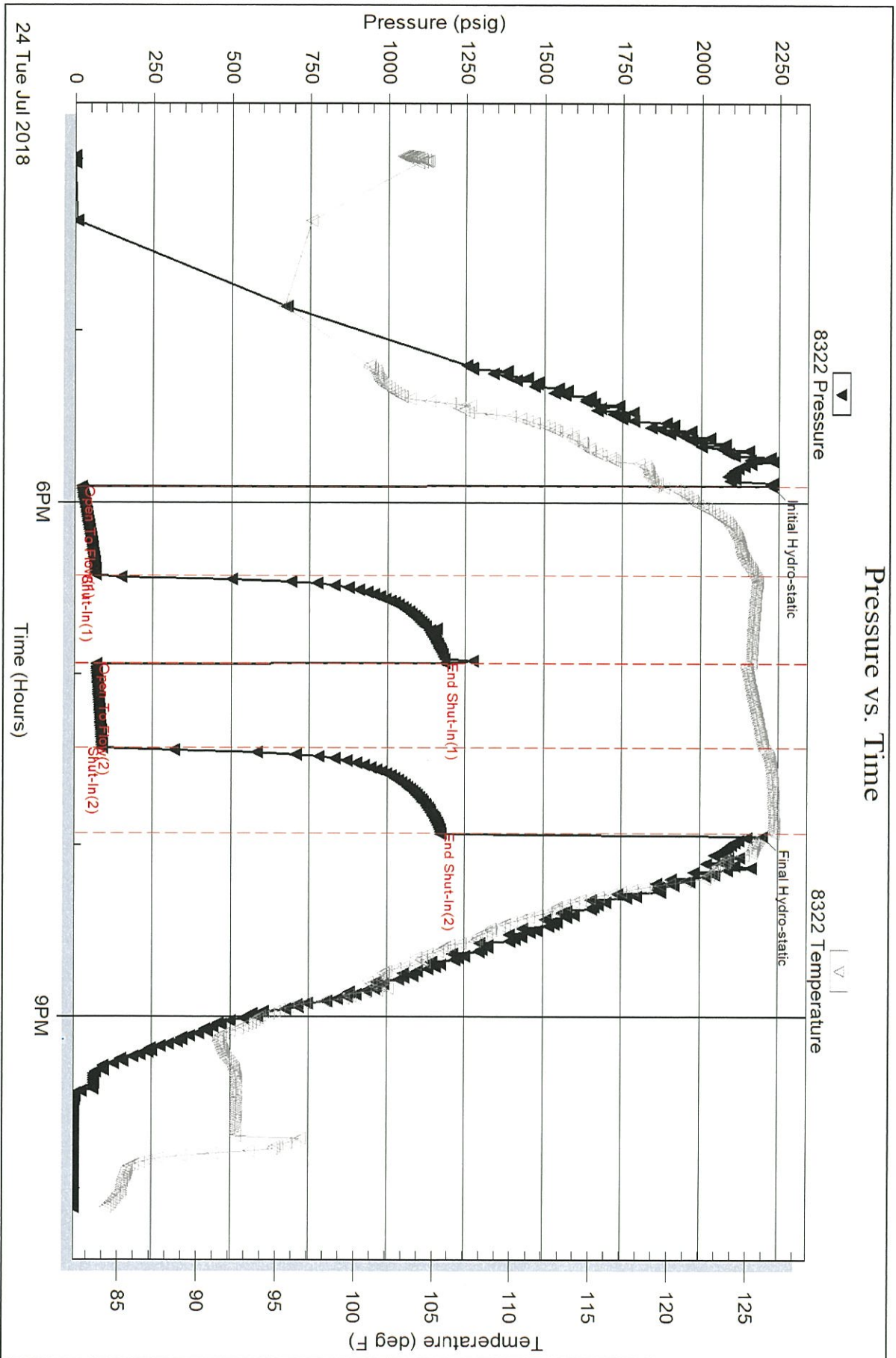
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	13000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5900.00 ppm			
Filter Cake: 1.00 inches			

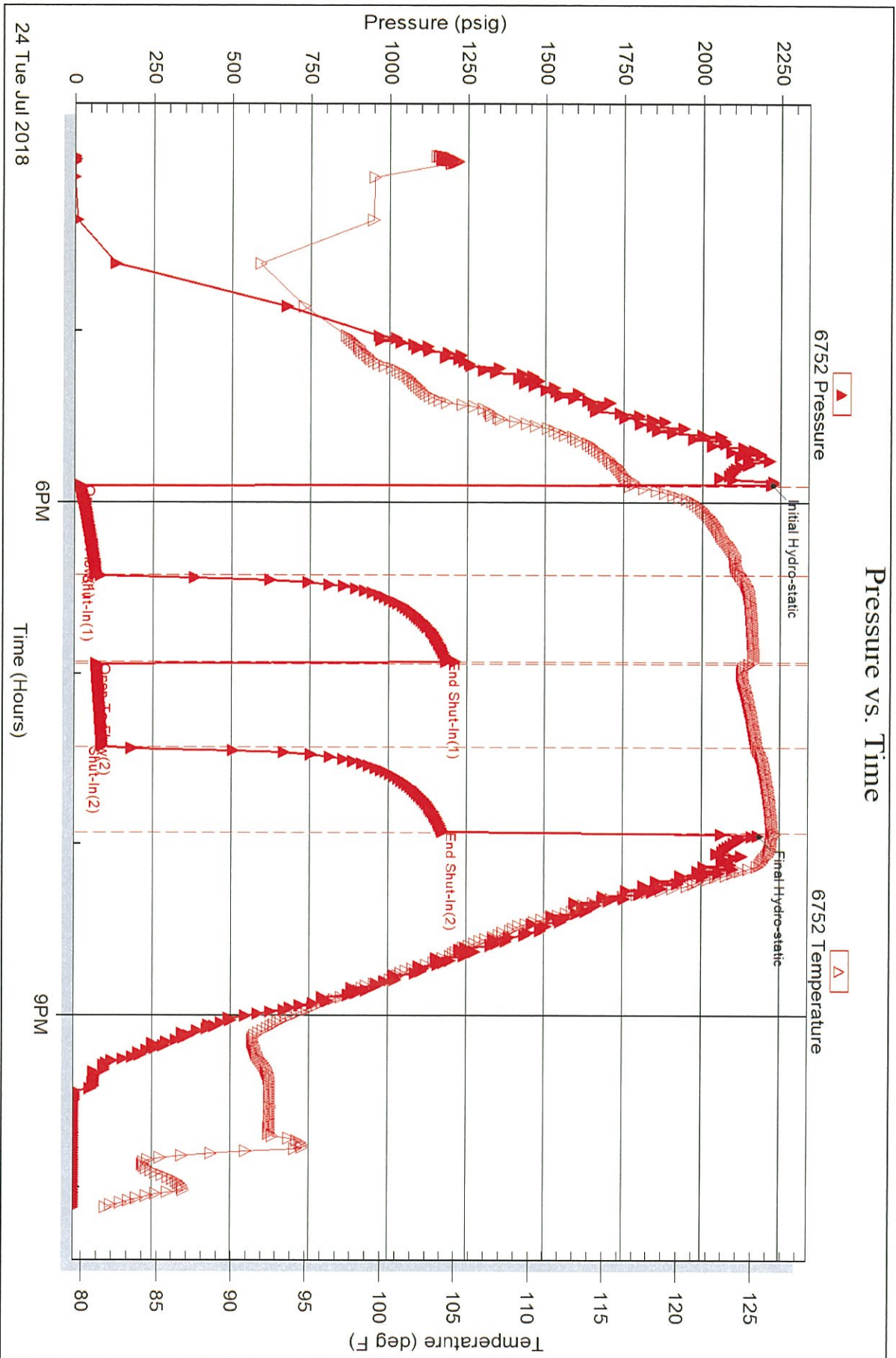
Recovery Information

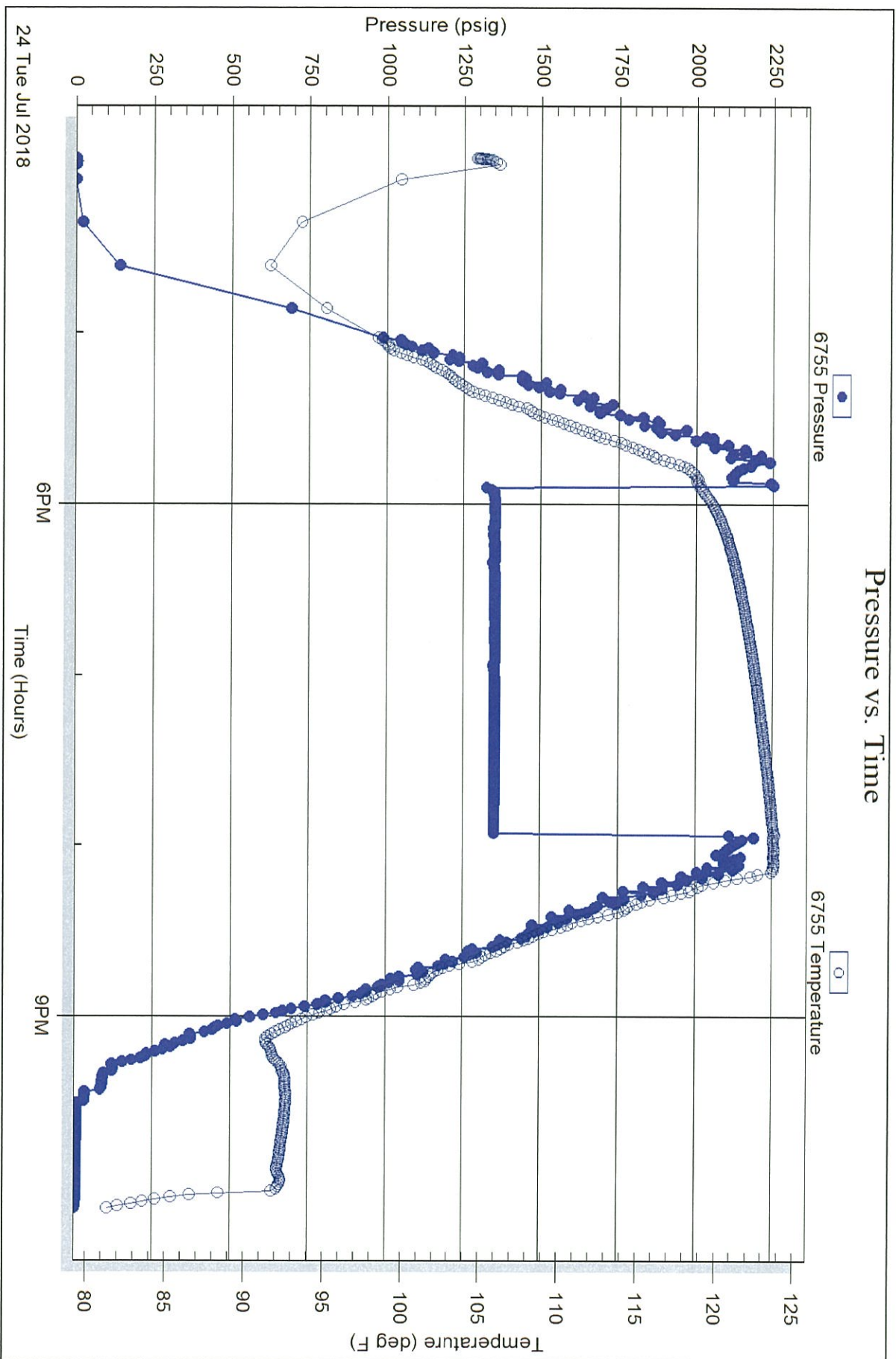
Recovery Table

Length ft	Description	Volume bbl
175.00	MW w /skim oil Mud 15% Water 85%	5902.176

Total Length: 175.00 ft Total Volume: 5902.176 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Recovery Resistivity .417 ohms @ 81 deg









TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63887

Well Name & No. Hilton Tokoi #2 Test No. 1 Date 22 Jul 18
 Company Petroleum Inc. Elevation 2435 KB 2430 GL
 Address 4924 SE 84th St. Newton Kansas 67114+8827
 Co. Rep / Geo. Andrew Stenzel Rig WW 2.42
 Location: Sec. 26 Twp 17S Rge. 26W Co. Mass State KS

Interval Tested 4112-4300 Zone Tested Marmaton / Ft Scott
 Anchor Length 188 Drill Pipe Run 3973 Mud Wt. 90
 Top Packer Depth 4107 Drill Collars Run 120 Vis 69
 Bottom Packer Depth 4112 Wt. Pipe Run - WL 8.0
 Total Depth 4300 Chlorides 5100 ppm System LCM 1#

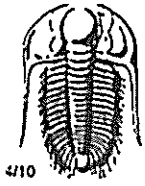
Blow Description I.F. Blow built to lunch then died in 24 minutes
F.S.I. No blow back
F.F. surface blow for 3 minutes then dead
F.S.I. No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>75</u>	<u>mud w/ show oil in tool</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 <u>75</u>	BHT <u>117</u>	Gravity	API RW	@	F Chlorides

(A) Initial Hydrostatic 2026 Test 1150 T-On Location 5:56 am
 (B) First Initial Flow 22 Jars 250 T-Started 7:10 am
 (C) First Final Flow 40 Safety Joint 75 T-Open 9:14 am
 (D) Initial Shut-In 930 Circ Sub T-Pulled 11:14 am
 (E) Second Initial Flow 47 Hourly Standby T-Out 1:00 pm
 (F) Second Final Flow 58 Mileage 92 92 Comments
 (G) Final Shut-In 802 Sampler
 (H) Final Hydrostatic 1972 Straddle Ruined Shale Packer

Initial Open 30 Shale Packer Ruined Packer
 Initial Shut-In 30 Extra Packer Extra Copies
 Final Flow 30 Extra Recorder Sub Total 0
 Final Shut-In 50 Day Standby Total 1567
 Accessibility MP/DST Disc't
 Sub Total 1567

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63888

Well Name & No. Hilton Tokoi #2 Test No. 2 Date 23 Jul 18
 Company Palemco Retraction Inc Elevation 2435 KB 2430 GL
 Address 4924 SE 84th St Newton Kansas 67114 + 8827
 Co. Rep/Geo. Andrew Stenzel Rig WW Rig 2
 Location: Sec. 26 Twp 17S Rge. 26W Co. Ness State KS

Interval Tested 4308-4392 Zone Tested Mississippi
 Anchor Length 84 Drill Pipe Run 4164 Mud Wt. 9.0
 Top Packer Depth 4303 Drill Collars Run 120 Vis 49
 Bottom Packer Depth 4308 Wt. Pipe Run - WL 9.2
 Total Depth 4392 Chlorides 3800 ppm System LCM 1#

Blow Description I.F Blow built to BOB in 2 minutes
I.S.F. 3 inch blow back
F.F Blow built to BOB in 2 1/2 minutes
F.S.I 1 inch blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>248</u>	<u>0.1 cut Gassy mud</u>	<u>10</u>	<u>5</u>		<u>85</u>
<u>62</u>	<u>Mud cut Gassy 0.1</u>	<u>20</u>	<u>70</u>		<u>10</u>
<u>1255</u>	<u>Gassy 0.1</u>	<u>30</u>	<u>70</u>		
<u>295</u>	<u>G.I.P</u>	<u>100</u>			

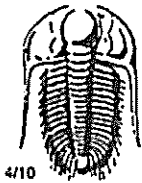
Rec Total 1565 BHT 128 Gravity 36 API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 2150 Test 1150 T-On Location 12:44 am
 (B) First Initial Flow 174 Jars 250 T-Started 1:41 am
 (C) First Final Flow 409 Safety Joint 75 T-Open 4:04 am
 (D) Initial Shut-In 973 Circ Sub _____ T-Pulled 5:44 am
 (E) Second Initial Flow 449 Hourly Standby _____ T-Out 8:35 am
 (F) Second Final Flow 576 Mileage 92 92 Comments _____
 (G) Final Shut-In 903 Sampler _____
 (H) Final Hydrostatic 2077 Straddle _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 20 Extra Packer _____
 Initial Shut-In 30 Extra Recorder _____
 Final Flow 20 Day Standby _____
 Final Shut-In 30 Accessibility _____
 Sub Total 1567 Sub Total _____
 Total 1567 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63889

Well Name & No. Hilton Takoi #2 Test No. 3 Date 23 Jul 18
 Company Palomino Petroleum Inc. Elevation 2435 KB 2430 GL
 Address 4924 SE 84th St. Newton Kansas 67114+8827
 Co. Rep / Geo. Andrew Stenzel Rig WW Rig 2
 Location: Sec. 26 Twp 17S Rge. 26W Co. NESS State KS

Interval Tested 4394-4406 Zone Tested Mississippi
 Anchor Length 12 Drill Pipe Run 4260 Mud Wt. 9.0
 Top Packer Depth 4389 Drill Collars Run 120 Vis 44
 Bottom Packer Depth 4394 Wt. Pipe Run - WL 10.8
 Total Depth 4406 Chlorides 6800 ppm System LCM 1/2

Blow Description Blow built to BOB in 5 min
ISI Surface blow back for 10 min
F.F. Blow built to 7 inches died to 9 inches
F.S.I. No blow back

Rec	Feet of	%gas	%oil	%water	%mud
174	0.1465 cut Water Mud	10	5	35	50
997	basey O.I.	20	90		
248	GIP	100			

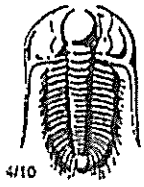
Rec Total _____ BHT 131 Gravity 36 API RW .445 @ 80° F Chlorides 12,000 ppm

(A) Initial Hydrostatic 2143 Test 1150 T-On Location 2:46 pm
 (B) First Initial Flow 41 Jars 250 T-Started 4:01 pm
 (C) First Final Flow 239 Safety Joint 75 T-Open 5:52 pm
 (D) Initial Shut-In 1211 Circ Sub _____ T-Pulled 7:53 pm
 (E) Second Initial Flow 249 Hourly Standby _____ T-Out 10:41 pm
 (F) Second Final Flow 395 Mileage 92 92 Comments _____
 (G) Final Shut-In 1191 Sampler _____
 (H) Final Hydrostatic 2111 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow 30 Extra Recorder _____ Sub Total 0
 Final Shut-In 30 Day Standby _____ Total 1567
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1567

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.



TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63890

Well Name & No. Hilton Tokoi #2 Test No. 4 Date 24 Jul 18
 Company Petroleum Inc Elevation 2435 KB 2430 GL
 Address 4924 SE 84th St Newton Kansas 67114-8827
 Co. Rep / Geo. Andrew Stenzel Rig WW Rig 2
 Location: Sec. 26 Twp 17S Rge. 26W Co. Ness State KS

Interval Tested 4406-4422 Zone Tested Mississippi
 Anchor Length 16 ~~4402~~ Drill Pipe Run 4292 Mud Wt. 8.8
 Top Packer Depth 4408 Drill Collars Run 120 Vls 48
 Bottom Packer Depth 4406 Wt. Pipe Run - WL 9.6
 Total Depth 4578 Chlorides 5900 ppm System LCM 1#

Blow Description I.F. Blow built to 5 1/2 inches
I.S.I. No blow back
F.F. Blow built to 2 inches
F.S.I. No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>175</u>	<u>muddy water w/4 in oil</u>			<u>85</u>	<u>15</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 175 BHT 126 Gravity _____ API RW .417@ 81 °F Chlorides 13,000 ppm

(A) Initial Hydrostatic 2225 Test 1150 T-On Location 2:49 pm
 (B) First Initial Flow 23 Jars 250 T-Started 3:59 pm
 (C) First Final Flow 69 Safety Joint 75 T-Open 5:53 pm
 (D) Initial Shut-In 1183 Circ Sub _____ T-Pulled 7:53 pm
 (E) Second Initial Flow 71 Hourly Standby _____ T-Out 10:08 pm
 (F) Second Final Flow 89 Mileage 92.92 Comments _____
 (G) Final Shut-In 1172 Sampler _____ Ruined Shale Packer _____
 (H) Final Hydrostatic 2199 Straddle 600 Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow 30 Day Standby _____ Total 2167
 Final Shut-In 30 Accessibility _____ MP/DST Disc't _____
 Sub Total 2167

Approved By _____ Our Representative [Signature]
 Tribolite 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.



Home
(785) 798-3400

Andrew Stenzel Geologist

Ness City, Kansas



Cell
(785) 798-5977

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

Well Name: Hilton Tokoi #2
API: 15-135-26010
Location: NW-NE-SW-SW Sec. 26-17S-26W (Ness County)
License Number: 30742
Spud Date: 7/16/18
Surface Coordinates: 1275' FSL & 827' FWL
Region: KANSAS
Drilling Completed: 7/25/18

Bottom Hole
Coordinates:
Ground Elevation (ft): 2430
Logged Interval (ft): 3600 To: TD
Formation: MISSISSIPPIAN
Type of Drilling Fluid: Mud-Co Chemical
K.B. Elevation (ft): 2435
Total Depth (ft): 4520

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

OPERATOR

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

GEOLOGIST

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

Drilling Report

DAILY DRILLING REPORT:

7/16/18 MIRU, ran surface casing
7/17/18 Drilling @ 554'
7/18/18 Drilling @ 2173'
7/19/18 Drilling @ 3170'
7/20/18 Drilling @ 3830'
7/21/18 Circulating to condition hole @ 4066'
7/22/18 DST #1
7/23/18 DST #2, DST #3
7/24/18 Ran electric logs, DST #4
7/25/18 Ran production casing

Services

WW DRILLING, Rig #2

MUD: MUDCO

LOGS: GEMINI WIRELINE; CNDL, DIL, ML, SL

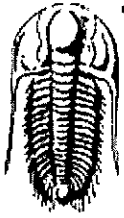
Casing Record

SURFACE Casing: Ran 5 jts new 8 5/8", 23# casing @ 218'.

PRODUCTION Casing: Ran 107 jts new 5 1/2", 14# casing set at 4517'.

Formation Tops

Sample Tops		LogTops	
Anhy.	1767 (+668)	Anhy.	1762 (+673)
Base Anhy.	1799 (+636)	Base Anhy.	1792 (+643)
Heebner	3724 (-1289)	Heebner	3721 (-1286)
Lansing	3765 (-1330)	Lansing	3763 (-1328)
Stark Sh	4009 (-1574)	Stark Sh	4006 (-1571)
BKC	4076 (-1641)	BKC	4074 (-1639)
Marmaton	4120 (-1685)	Marmaton	4119 (-1684)
Pawnee	4206 (-1771)	Pawnee	4203 (-1768)
Ft. Scott	4270 (-1835)	Ft. Scott	4270 (-1835)
Cher. Sh.	4295 (-1860)	Cher. Sh.	4294 (-1839)
Miss.	4368 (-1933)	Miss.	4364 (-1929)
RTD	4520 (-2085)	LTD	4518 (-2083)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum Inc.
4924 SE 84th St.
Newton Kansas 67114+8827
ATTN: Andrew Stenzel

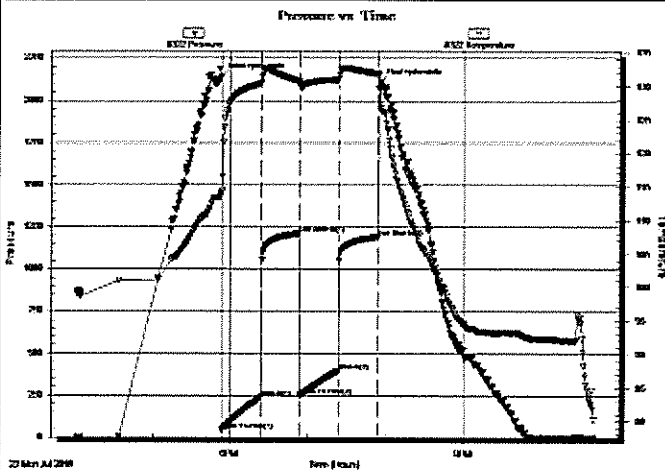
26-17S-26W Ness,KS
Hilton Tokoi #2
Job Ticket: 63889 **DST#: 3**
Test Start: 2018.07.23 @ 16:01:00

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:53:32
Time Test Ended: 22:41:02
Interval: **4394.00 ft (KB) To 4406.00 ft (KB) (TVD)**
Total Depth: **4406.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Ken Swinney
Unit No: 72
Reference Elevations: **2435.00 ft (KB)**
2430.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 8322 **Inside**
Press@RunDepth: **395.98 psig @ 4395.00 ft (KB)** Capacity: psig
Start Date: **2018.07.23** End Date: **2018.07.23** Last Callb.: **2018.07.23**
Start Time: **16:01:01** End Time: **22:41:02** Time On Blrm: **2018.07.23 @ 17:53:02**
Time Off Blrm: **2018.07.23 @ 19:55:02**

TEST COMMENT: IFP 30 Minutes Blow built to BOB in 5 minutes
ISI 30 Minutes Surface blow back for 10 minutes
FFP 30 Minutes Blow built to 7" then died to 4"
FSI 30 Minutes No blow back



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2143.54	114.11	Initial Hydro-static
1	41.35	114.44	Open To Flow (1)
31	239.81	130.43	Shut-In(1)
60	1211.24	130.76	End Shut-In(1)
61	249.18	130.37	Open To Flow (2)
90	395.98	131.05	Shut-In(2)
121	1191.72	131.85	End Shut-In(2)
122	2111.25	126.73	Final Hydro-static

Recovery

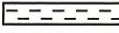

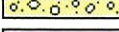

Length (ft)	Description	Volume (bbl)
124.00	GSOCWMOI 5% Gas 10% Water 35% NO.650%	10.650%
992.00	GO Gas 20% OI 80%	13.92
0.00	248' GIP	0.00


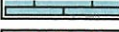
Gas Rates

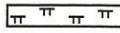

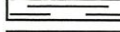

Choke (Inches)	Pressure (psig)	Gas Rate (Mcfd)

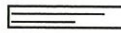

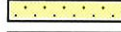
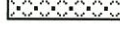
ROCK TYPES

-  Anhy
-  Bent
-  Brec
-  Cht

-  Clyst
-  Carb shale
-  Congl
-  Dol

-  Gyp
-  Igne
-  Lmst
-  Meta

-  Mrlst
-  Salt
-  Shale
-  Shcol

-  Shgy
-  Sltst
-  Ss
-  Till

ROP

ROP (min/ft)



Misc

% Lithology

Geological Descriptions

DST

ROP (min/ft)

10

Depth
Off Shore

34

3450

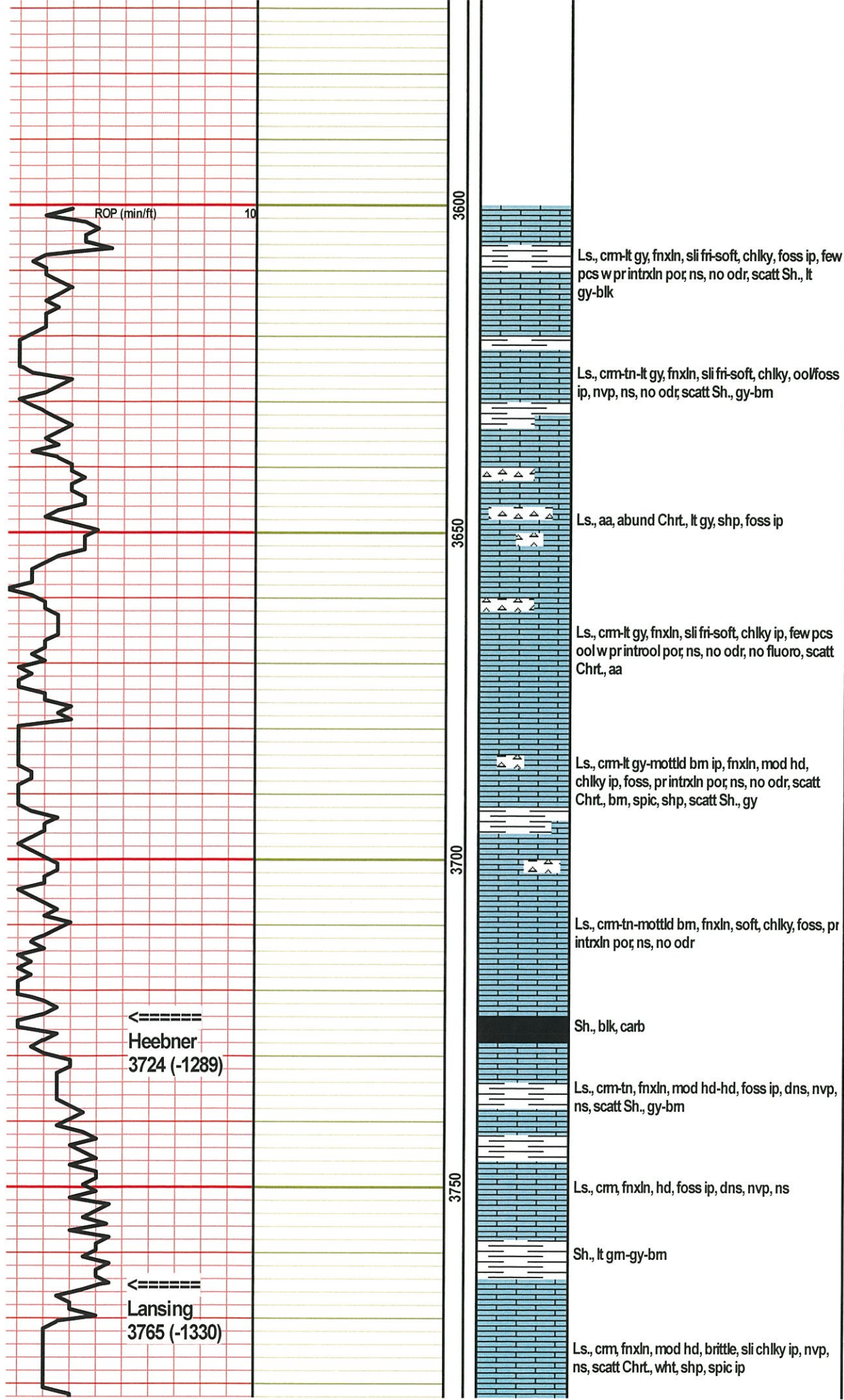
3500

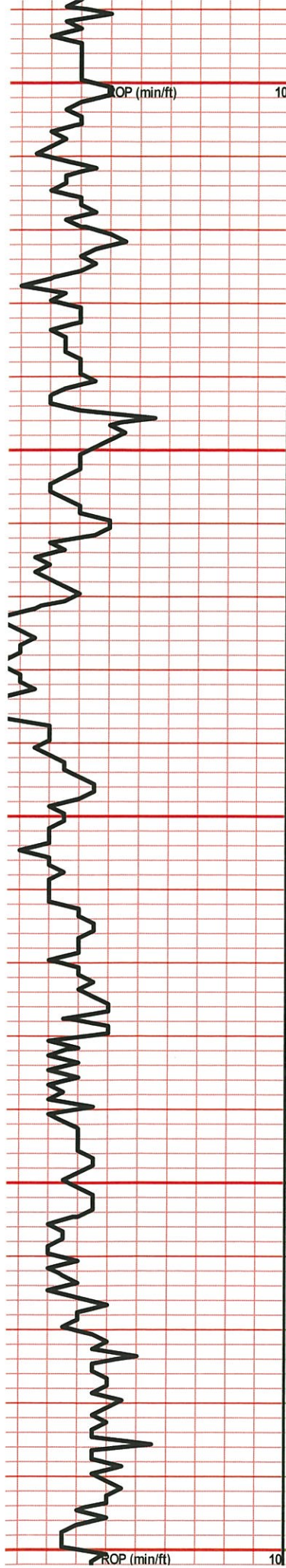
3550

←=====
Anhy.
1767 (+668)

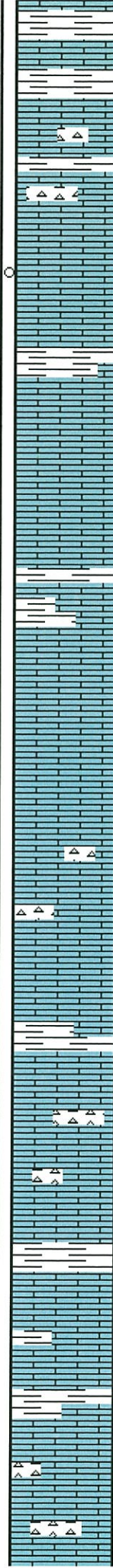
←=====
Base Anhy.
1799 (+636)







3800
3850
3900
3950
4000



Ls., tn-cm, fn-vfnxn, mod hd, dns, nvp, ns, abund Sh., gy-dk gy, fiss

Ls., tn, fnxn, mod hd, brittle, foss ip, nvp, ns, scatt Chrt., cm-tn, foss, weath ip, scatt Sh. aa

Ls., cm-tn, fnxn, mod hd, ool ip, one pc w pr-fr introol/vug por, SSFO, even bm sat around por, no det odr

Ls., tn-lt gy, fnxn, sli fri-mod hd, chlky ip, foss, nvp, ns, scatt Sh., gy-bm

Ls., cm, vfn-fnxn, mod hd, ool ip, some w vy pr intrxn & introol por, ns, no odr, scatt Sh., dk gy

Ls., tn, fnxn, sli fri, ool, gd ooc por, ns, no odr

Ls., tn, fnxn, mod hd, ool ip, few chrt nod, nvp, ns, scatt Chrt., cm, shp

Ls., cm-tn-lt bm, fnxn, mod hd, chlky ip, shly ip, few pcs w pr intrxn por, ns, no odr, scatt Sh., dk gy

Ls., cm-lt gy, vfnxn, mod hd, brittle, dns, nvp, ns, scatt Chrt., cm, shp

Ls., cm-tn, fn-vfnxn, mod hd, chlky ip, foss ip, few pcs w vy pr intrxn por, ns, no odr, scatt Sh., lt gy-lt gm

Ls., tn-lt bm, fnxn, mod hd, chlky ip, nvp, ns, scatt Sh., lt gr-bm, scatt Chrt., gy

Stark Sh
4009 (-1574)

BKC
4076 (-1641)

Marmaton
4120 (-1685)

Pawnee
4206 (-1771)

Mud @ 4093'
Wt. 9.0
Vis. 69
Filtrate API 8.0

DST 1

ROP (min/ft)

10

4050

4100

4150

4200

Ls., cm-tn, fnxln, sli fri-soft, vy chlky, ool ip, few pcs w pr introol por; ns, no odr, scatt Sh., gy-bm

Ls., lt gy, fnxln, sli fri, chlky, ool, pr-fr introol por; ns, no odr; abund Chrt., lt gy, shp

Sh., blk, carb

Ls., tn-lt gy, vfnxln, hd, dns, foss ip, tr chrty nods, nvp, ns, scatt Chrt., bm, sli weath ip, scatt Sh., gy-bm, soft

Sh., blk, carb, gy-bm-rd, Ls., cm-tn, vfnxln, mod hd-hd, chlky ip, nvp, ns

Ls., cm-tn, fnxln, mod hd, chlky, pyr ip, foss ip, tr rexln, nvp, ns, abund Sh., lt gy-gm-bm

Ls., cm-tn, fnxln, mod hd, shly ip, ool ip, couple pcs w pr introol & intrxn por; most w shly infill, ns, no odr; no fluoro

Ls., cm-tn, fnxln, mod hd-sli fri ip, chlky ip, few pcs w pr intrxn & occ prvug por; FSFO, dk bm-blk sub sat stn, some edge stn, no det odr

Ls., tn-lt gy, vfnxln, hd, dns, shly ip, nvp, ns, abund Sh., gy-bm

Ls., cm-tn, fnxln, mod hd, chlky ip, ool ip, few pcs w pr introol & occ prvug por; SSFO, dk bm-blk sat stn, no det odr

Sh., gy

Ls., lt gy-cm, vfnxln, hd, chlky ip, nvp, ns

DST #1 4112-4300

30-30-30-30

IF: Built to 1", died in 24 min

IS: No blow

FF: SB, died in 3 min

FS: No blow

Recovery:

75' Mud w oil show in tool

FP: 22-40; 47-58

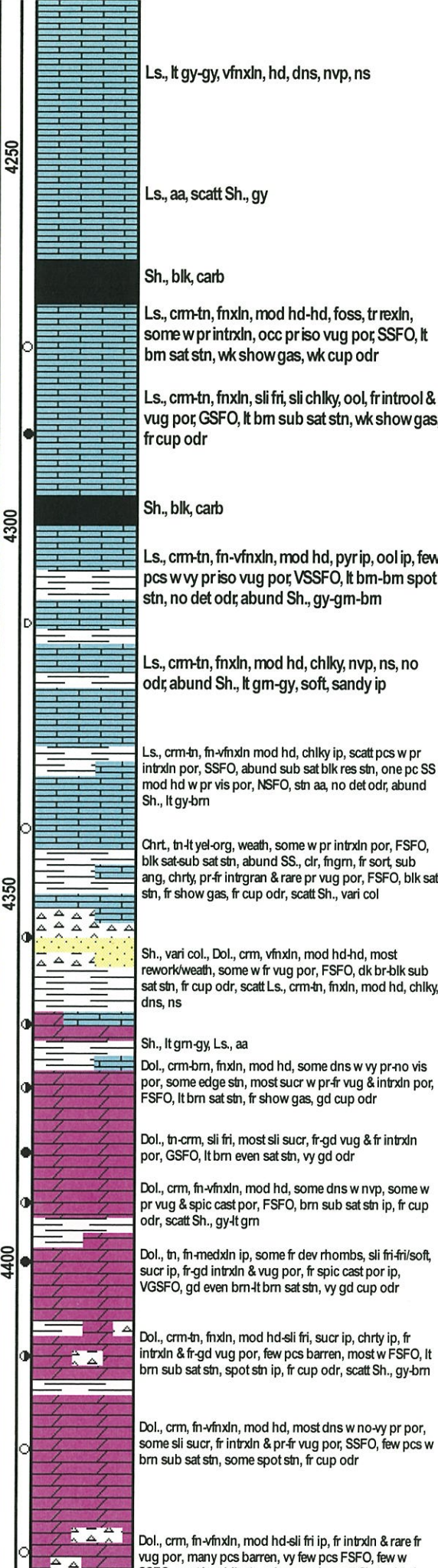
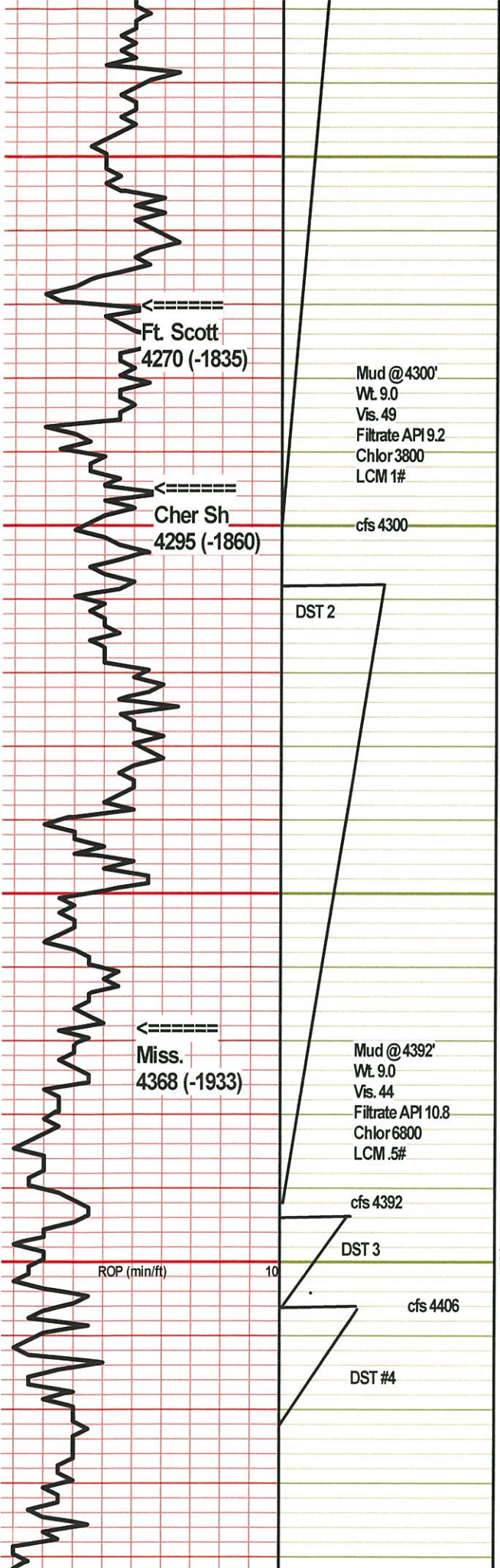
SIP: 930-802

HP: 2026-1972

BHT: 117

Gravity: -

Chlor: -



DST #2 4308-4392

20-30-20-30
 IF: BOB in 2 min
 IS: Built to 3"
 FF: BOB in 2 1/2 min
 FS: Built to 1"
 Recovery:
 295' GIP
 1255' GO (30%G, 70%O)
 62' MCGO (20%G, 70%O, 10%M)
 248' OCGM (10%G, 5%O, 85%M)
 1565' TF

FP: 174-409; 449-596
 SIP: 973-903
 HP: 2150-2077
 BHT: 128
 Gravity: 36
 Chlor: ---

DST #3 4394-4406

30-30-30-30
 IF: BOB in 5 min
 IS: SB, died in 10 min
 FF: Built to 7", died to 4"
 FS: No blow
 Recovery:
 248' GIP
 992' GO (20%G, 80%O)
 124' OCGWM (10%G, 5%O, 35%W, 50%M)
 1116' TF

FP: 41-239; 249-395
 SIP: 1211-1191
 HP: 2143-2111
 BHT: 131
 Gravity: 36
 Chlor: 12000

DST #4 4406-4421 (straddle)

30-30-30-30
IF: Built to 3 1/2"
IS: No blow
FF: Built to 2"
FS: No blow

Recovery:
175' MW w skim of oil in tool (15%M,
85%W)

FP: 23-68; 71-89
SIP: 1183-1172
HP: 2225-2199

BHT: 126
Gravity: --
Chlor: 13000

Dol., cm, vfn-fnxln, mod hd-hd, glauc ip, some w pr
vug por, VSSFO, some blk stn, wk cup odr, scatt Sh.,
gy-dk gy, scatt Chrt., aa

Dol., cm-lt gy, vfnxln, mod hd-hd, glauc ip,
most w nvp, ns, few w pr intrxn por; ns, no odr,
incr Chrt., aa

Sh., bm-gy

Chrt., wht, shp, fresh, Dol., cm, fnxln, sli fri, fr
intrxn por; ns, no odr

Chrt. & Dol, aa

Mud @ 4520'
Wt. 8.8
Vis. 48
Filtrate API 9.6
Chlor 5900
LCM 1#

RTD
4520 (-2085)

445
4500
4550
00

