

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
---	---	------------------------------------

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	WHITHAM-MILLER 1
Doc ID	1411562

All Electric Logs Run

Dual Induction
Sonic
Micro
Litho Density
Borehole Compensated

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	WHITHAM-MILLER 1
Doc ID	1411562

Tops

Name	Top	Datum
Anhy.	2547	(+ 734)
Base Anhy.	2567	(+ 714)
Tarkio	3646	(- 365)
Topeka	3767	(- 486)
Heebner	4000	(- 719)
Toronto	4018	(- 737)
Lansing	4049	(- 768)
Muncie Creek	4216	(- 935)
Stark	4311	(-1030)
BKC	4395	(-1114)
Marmaton	4450	(-1169)
Pawnee	4537	(-1256)
Ft. Scott	4590	(-1309)
Cherokee Sh.	4616	(-1335)
Miss.	4831	(-1550)
LTD	5002	(-1721)

GLOBAL OIL FIELD SERVICES, LLC

24 S. Lincoln
RUSSELL, KS 67665

RECEIVED

JUN 01 2018

Invoice

Date	Invoice #
5/29/2018	3342

Bill To
PALOMINO PETROLEUM INC 4924 SE 84TH ST NEWTON,KS 67114

P.O. No.	Terms	Project
MILLER WHITHA...	Due on receipt	

Quantity	Description	Rate	Amount
195	60/40 POZMIX CEMENT	13.75	2,681.25
7	CALCIUM-CHLORIDE	80.00	560.00
4	BENTONITE GEL	30.00	120.00
206	HANDLING	1.90	391.40
	BULK MILEAGE	550.00	550.00
1	TRI-PLEX PUMP CHARGE FOR SURFACE	850.00	850.00
45	HEAVY EQUIPMENT. ONE WAY	6.50	292.50
45	LMV- ONE WAY	2.75	123.75
	25% DISCOUNT IF PAID WITHIN 15 DAYS OF INVOICE		
	NESS CO SALES TAX	7.50%	0.00

Thank you for your business.

Phone #	Fax #
785-445-3525	785-445-3526

Total \$5,568.90

GLOBAL OIL FIELD SERVICES, LLC

3342

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell, KS

DATE <u>5-24-18</u>	SEC <u>13</u>	TWP. <u>16S</u>	RANGE <u>36W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>4:00 PM</u>
LEASE <u>Wichita</u>	WELL # <u>1</u>	LOCATION <u>10 mi N of Russell, KS To DRD East</u>			COUNTY <u>Wichita</u>	STATE <u>KS</u>	
OLD OR NEW (CIRCLE ONE)			<u>1x North East etc</u>				

CONTRACTOR Wichita Drilling Rig #10

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D.

CASING SIZE 4 1/2 DEPTH 260'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX. MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 25'

PERFS

DISPLACEMENT 15 bbl
EQUIPMENT

PUMP TRUCK CEMENTER Cody

407 HELPER Jason

BULK TRUCK

451 DRIVER Kris

BULK TRUCK

DRIVER

OWNER Palomino Petroleum

CEMENT AMOUNT ORDERED 1953x 60/40 3% CC
2% Gel

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:

Run job of 4 1/2 casing thru Booke
circulation worked pump truck pumped 1953x
of cement & displaced 15 bbl of 4 1/2 grad sh-
in.

Cement DIP Circulate to Surface

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

TOTAL

CHARGE TO: Palomino Petroleum

STREET

CITY STATE ZIP

Global Oil Field Services, LLC
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Ricky Higgs

SIGNATURE Ricky Higgs

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS



RECEIVED

JUN 11 2018

Date: 6/4/2018
 Invoice # 834

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

P.O.#:
 Due Date: 7/4/2018
 Division: *Russell*

Invoice

Contact:
 Palomino Petroleum Inc
Address/Job Location:

4924 SE 84th
 Newton Ks 67114

Reference:
 WHITMAN MILLER 1 SEC 15-16-36

Description of Work:
 PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 641.27	Yes				
Common-Class A	168	\$ 2,487.45	Yes				
POZ Mix-Standard	112	\$ 563.50	Yes				
Premium Gel (Bentonite)	10	\$ 208.44	Yes				
Bulk Truck Mat-Material Service Charge	290	\$ 208.44	Yes				
Pump Truck Mileage-Job to Nearest Camp	62	\$ 200.53	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	62	\$ 155.97	Yes				
Flo Seal	75	\$ 107.81	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 4,573.41
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (114.34)

SubTotal for Taxable Items:	\$ 4,459.07
SubTotal for Non-Taxable Items:	\$ -
Total:	\$ 4,459.07
Tax:	\$ 363.41

8.15% Wichita County Sales Tax

Thank You For Your Business!

Amount Due: \$ 4,822.48
Applied Payments:
Balance Due: \$ 4,822.48

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

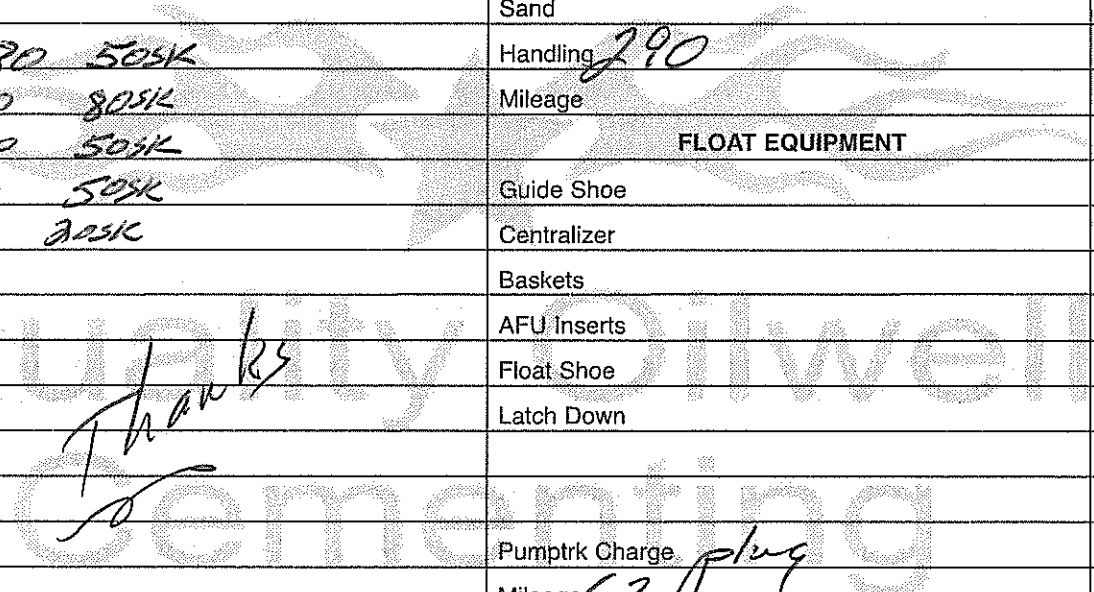
Home Office P.O. Box 32 Russell, KS 67665

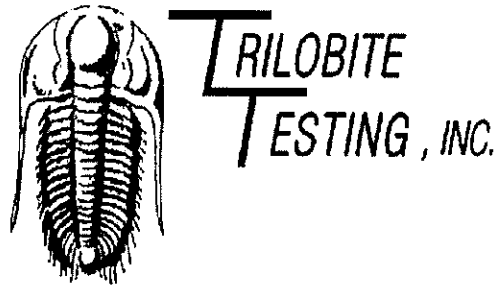
No. 834

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-4-18	15	16	36	Wichita	KS		11:00 AM
Lease				Location		Well No.	
Whithman-Miller				Lpt. 10N DR 4E 14N E10		1	
Contractor				Owner			
WJW #10				To Quality Oilwell Cementing, Inc.			
Type Job				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Rotary Plug							
Hole Size		T.D.		Charge To			
7 7/8		49 99		Palomino Petroleum			
Csg.		Depth		Street			
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			
				280 60/40 4.002 1/4 10			
Meas Line		Displace		Common			
				168			
EQUIPMENT				Poz. Mix			
Pumptrk		Cement		112			
20		mg					
Bulktrk		Helper		Gel.			
		BYPT		10			
Bulktrk		Driver		Calcium			
15		50K					
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal			
30SK				75#			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
15 2580 50SK				Handling			
2 1620 80SK				290			
3 840 50SK				Mileage			
4 300 50SK				FLOAT EQUIPMENT			
5 60 20SK				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge			
				plug			
				Mileage			
				62			
				Tax			
				Discount			
				Total Charge			
Signature							

Thanks





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Whitham-Miller #1

15-16S-36W Wichita,KS

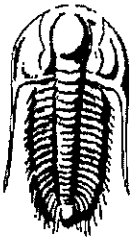
Start Date: 2018.05.28 @ 14:36:34

End Date: 2018.05.28 @ 21:16:04

Job Ticket #: 63442 DST #: 1

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

Printed: 2018.06.04 @ 15:58:15



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

15-16S-36W Wichita, KS

4924 SE 84th St.
New ton, KS 67114

Whitham-Miller #1

Job Ticket: 63442

DST#: 1

ATTN: Ryan Seib

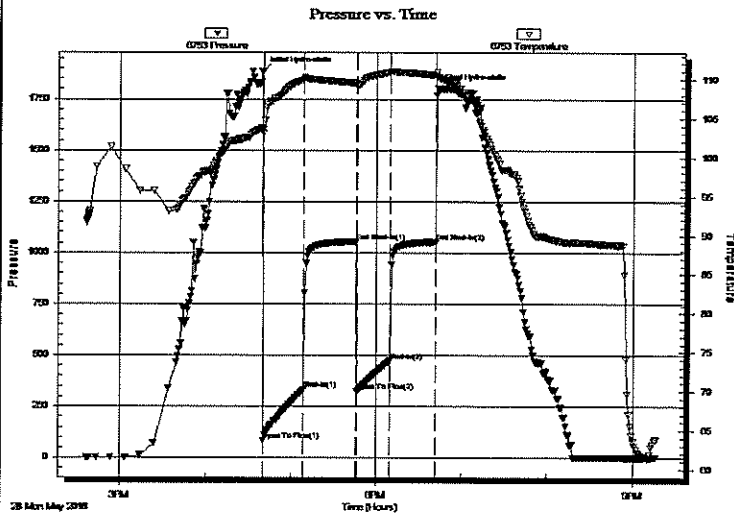
Test Start: 2018.05.28 @ 14:36:34

GENERAL INFORMATION:

Formation: **Topeka**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:40:04
 Time Test Ended: 21:16:04
 Interval: **3804.00 ft (KB) To 3960.00 ft (KB) (TVD)**
 Total Depth: 3960.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 3281.00 ft (KB)
 3276.00 ft (CF)
 KB to GRVCF: 5.00 ft

Serial #: **6753** Outside
 Press@RunDepth: 473.06 psig @ 3956.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.05.28 End Date: 2018.05.28 Last Calib.: 2018.05.28
 Start Time: 14:36:39 End Time: 21:16:03 Time On Btm: 2018.05.28 @ 16:39:34
 Time Off Btm: 2018.05.28 @ 18:43:04

TEST COMMENT: 30- IF- BOB 4 mins (62")
 30- IS- No blow
 30- FF- BOB 5 mins (48")
 30- FS- No blow



PRESSURE SUMMARY

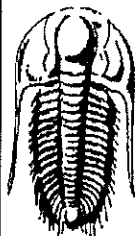
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1883.83	103.50	Initial Hydro-static
1	85.72	103.06	Open To Flow (1)
29	333.20	110.01	Shut-In(1)
66	1054.11	109.51	End Shut-In(1)
67	323.27	109.24	Open To Flow (2)
90	473.06	110.93	Shut-In(2)
122	1052.34	110.51	End Shut-In(2)
124	1800.79	110.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
951.00	MW, 30%M 70%W	12.35

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

15-16S-36W Wichita, KS

4924 SE 84th St.
New ton, KS 67114

Whitham-Miller #1

Job Ticket: 63442

DST#: 1

ATTN: Ryan Seib

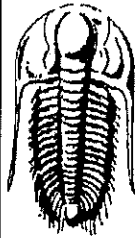
Test Start: 2018.05.28 @ 14:36:34

Tool Information

Drill Pipe:	Length: 3678.00 ft	Diameter: 3.82 inches	Volume: 52.14 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 88000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3804.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	156.00 ft			
Tool Length:	184.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3777.00	
Shut In Tool	5.00			3782.00	
Hydraulic tool	5.00			3787.00	
Jars	5.00			3792.00	
Safety Joint	3.00			3795.00	
Packer	5.00			3800.00	28.00 Bottom Of Top Packer
Packer	4.00			3804.00	
Stubb	1.00			3805.00	
Perforations	23.00			3828.00	
Recorder	0.00	6771	Inside	3828.00	
Change Over Sub	1.00			3829.00	
Drill Pipe	127.00			3956.00	
Recorder	0.00	6753	Outside	3956.00	
Change Over Sub	1.00			3957.00	
Bullnose	3.00			3960.00	156.00 Bottom Packers & Anchor
Total Tool Length:	184.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

15-16S-36W Wichita,KS

4924 SE 84th St.
New ton, KS 67114

Whitham-Miller #1

Job Ticket: 63442

DST#: 1

ATTN: Ryan Seib

Test Start: 2018.05.28 @ 14:36:34

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:

56000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
951.00	MW, 30%M 70%W	12.351

Total Length: 951.00 ft Total Volume: 12.351 bbl

Num Fluid Samples: 0

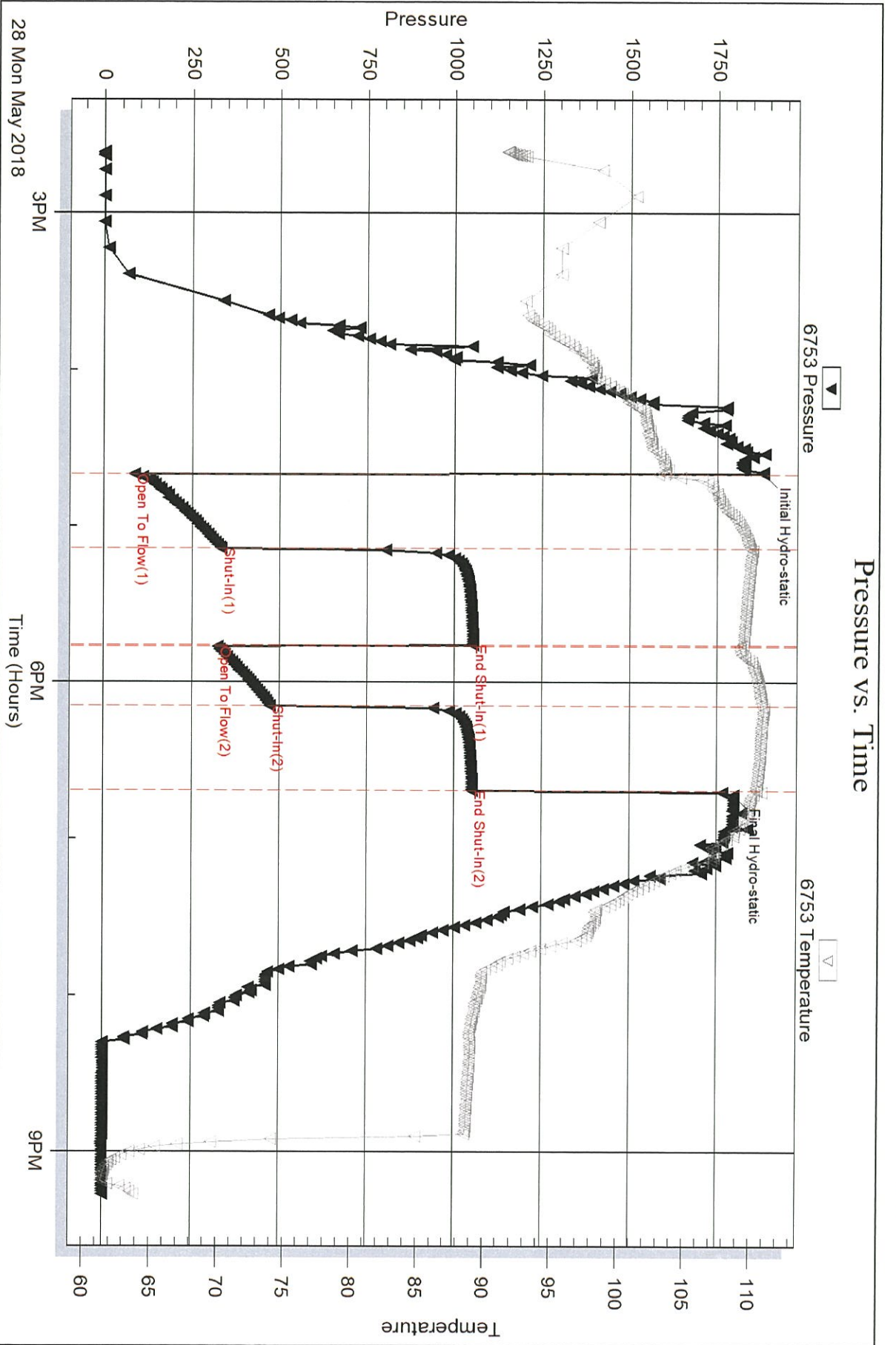
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .12@69deg



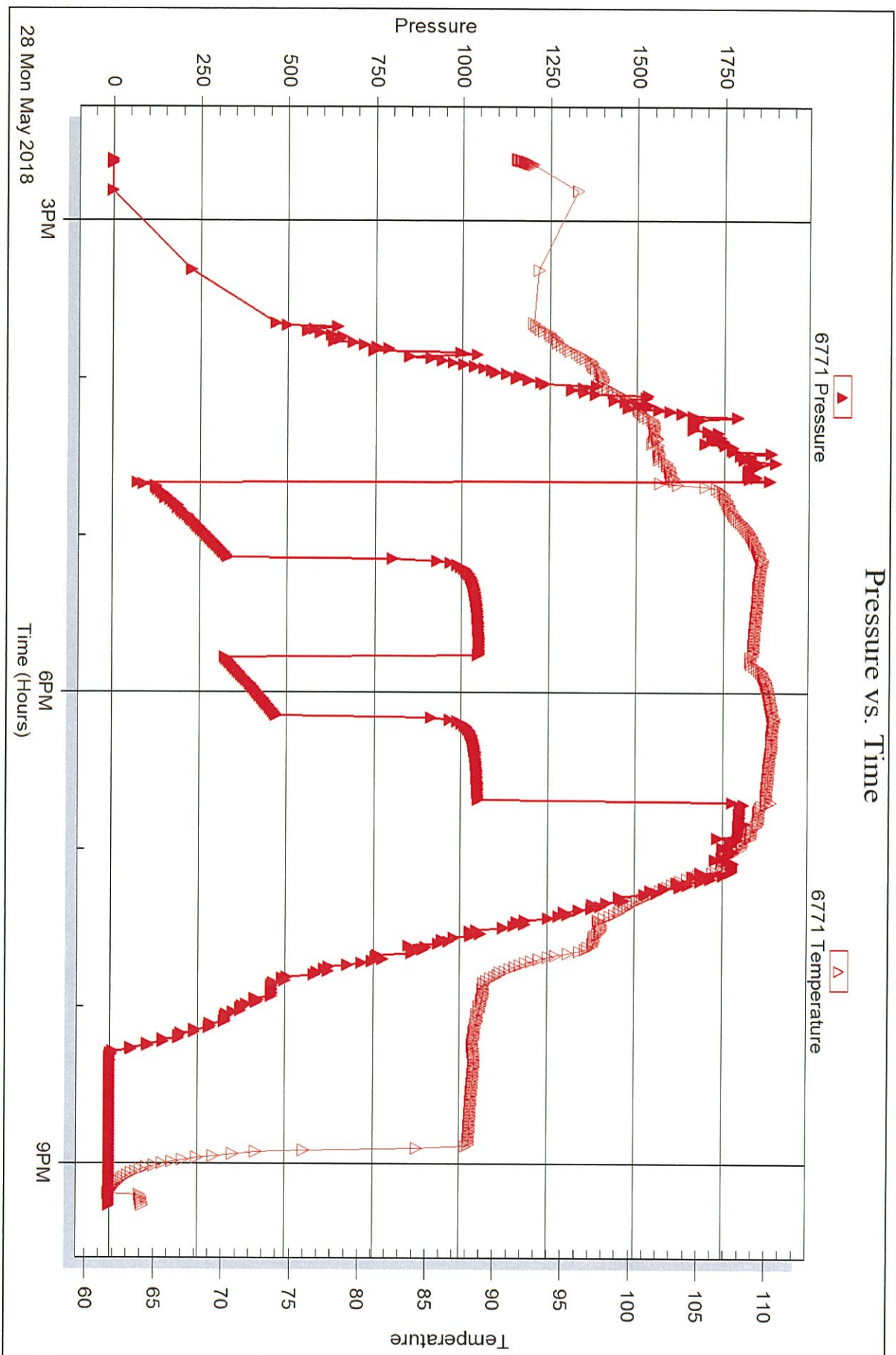
Serial #: 6771

Inside

Palomino Petroleum, Inc.

Whitham-Miller #1

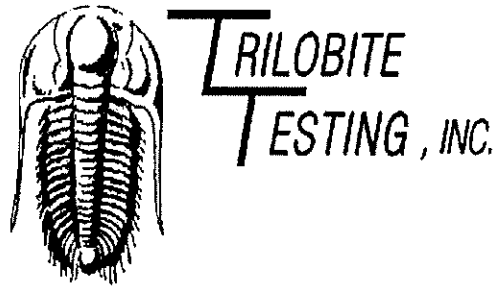
DST Test Number: 1



Triobite Testing, Inc

Ref. No: 63442

Printed: 2018.06.04 @ 15:58:16



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Whitham-Miller #1

15-16S-36W Wichita,KS

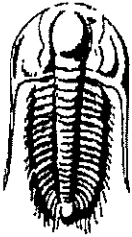
Start Date: 2018.05.29 @ 11:36:00

End Date: 2018.05.29 @ 18:43:00

Job Ticket #: 63443 DST #: 2

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

Printed: 2018.06.04 @ 15:57:56



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

4924 SE 84th St.
New ton, KS 67114

ATTN: Ryan Seib

15-16S-36W Wichita, KS

Whitham-Miller #1

Job Ticket: 63443

DST#: 2

Test Start: 2018.05.29 @ 11:36:00

GENERAL INFORMATION:

Formation: **LKC "A-C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:46:00

Time Test Ended: 18:43:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: **4036.00 ft (KB) To 4100.00 ft (KB) (TVD)**

Total Depth: 4100.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3281.00 ft (KB)

3276.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6753

Outside

Press@RunDepth: 263.99 psig @ 4096.00 ft (KB)

Start Date: 2018.05.29

End Date: 2018.05.29

Start Time: 11:36:05

End Time: 18:42:59

Capacity: 8000.00 psig

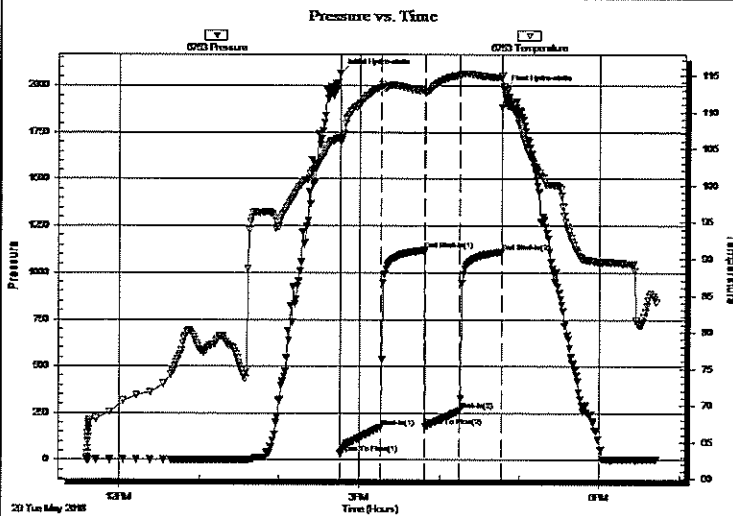
Last Calib.: 2018.05.29

Time On Btm: 2018.05.29 @ 14:45:30

Time Off Btm: 2018.05.29 @ 16:47:30

TEST COMMENT: 30- IF- BOB 7 mins (25")
30- IS- No blow
30- FF- BOB 15 mins (20")
30- FS- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2066.26	106.49	Initial Hydro-static
1	32.63	106.03	Open To Flow (1)
31	174.03	113.38	Shut-In(1)
63	1119.92	112.90	End Shut-In(1)
64	176.82	112.63	Open To Flow (2)
90	263.99	115.06	Shut-In(2)
121	1110.71	114.70	End Shut-In(2)
122	1977.35	113.45	Final Hydro-static

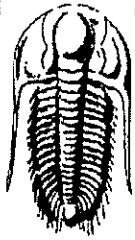
Recovery

Length (ft)	Description	Volume (bbl)
555.00	MW, 35%M 65%W	6.74

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

15-16S-36W Wichita,KS

4924 SE 84th St.
New ton, KS 67114

Whitham-Miller #1

Job Ticket: 63443

DST#: 2

ATTN: Ryan Seib

Test Start: 2018.05.29 @ 11:36:00

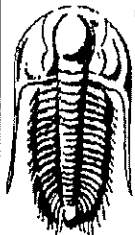
Tool Information

Drill Pipe:	Length: 3901.00 ft	Diameter: 3.82 inches	Volume: 55.30 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 83000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4036.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	92.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4009.00	
Shut In Tool	5.00			4014.00	
Hydraulic tool	5.00			4019.00	
Jars	5.00			4024.00	
Safety Joint	3.00			4027.00	
Packer	5.00			4032.00	28.00 Bottom Of Top Packer
Packer	4.00			4036.00	
Stubb	1.00			4037.00	
Perforations	26.00			4063.00	
Recorder	0.00	6771	Inside	4063.00	
Change Over Sub	1.00			4064.00	
Drill Pipe	32.00			4096.00	
Recorder	0.00	6753	Outside	4096.00	
Change Over Sub	1.00			4097.00	
Bullnose	3.00			4100.00	64.00 Bottom Packers & Anchor

Total Tool Length: 92.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

15-16S-36W Wichita, KS

4924 SE 84th St.
New ton, KS 67114

Whitham-Miller #1

Job Ticket: 63443

DST#: 2

ATTN: Ryan Seib

Test Start: 2018.05.29 @ 11:36:00

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:

55000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
555.00	MW, 35%M 65%W	6.738

Total Length: 555.00 ft

Total Volume: 6.738 bbl

Num Fluid Samples: 0

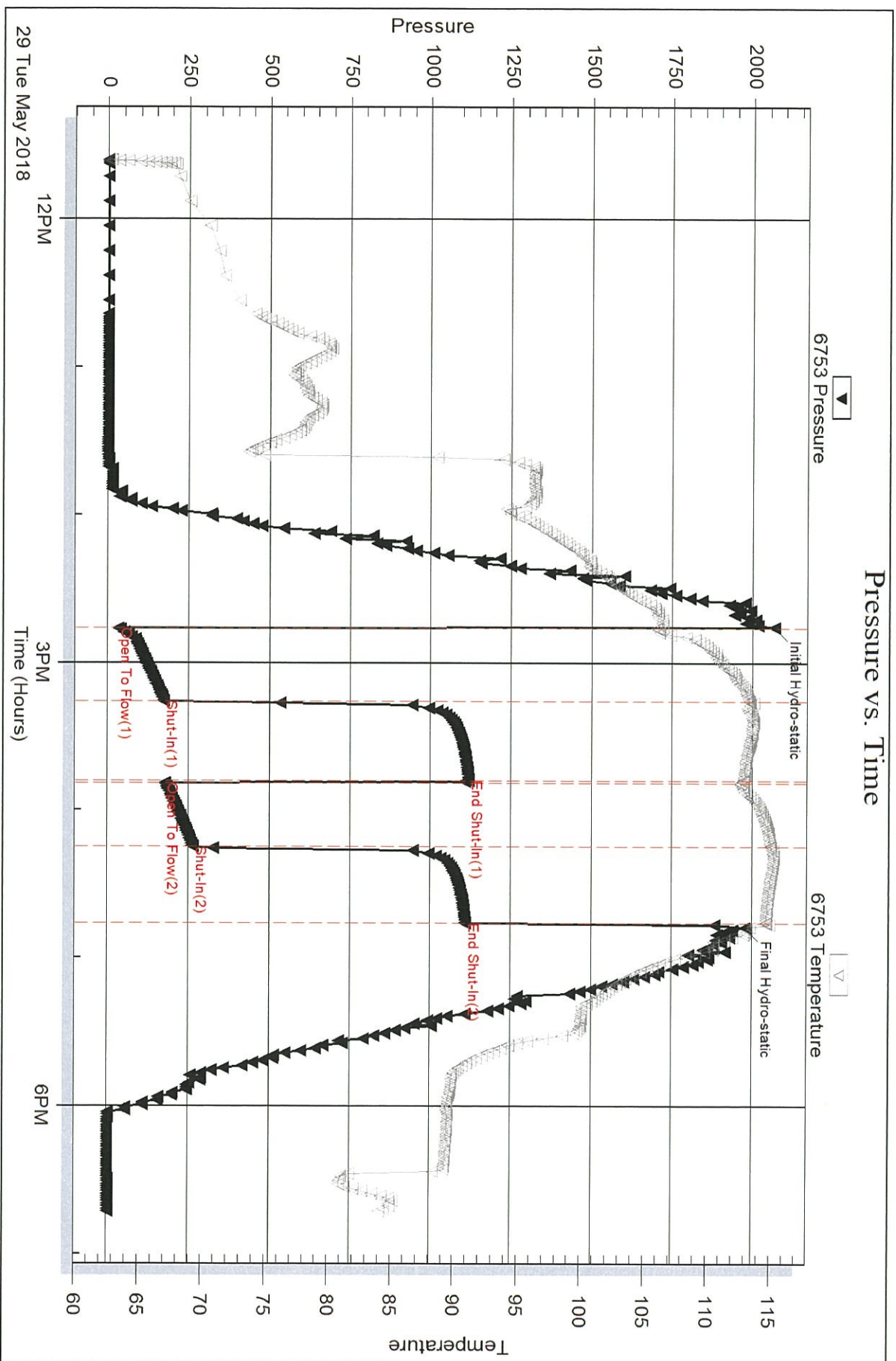
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .12@70deg



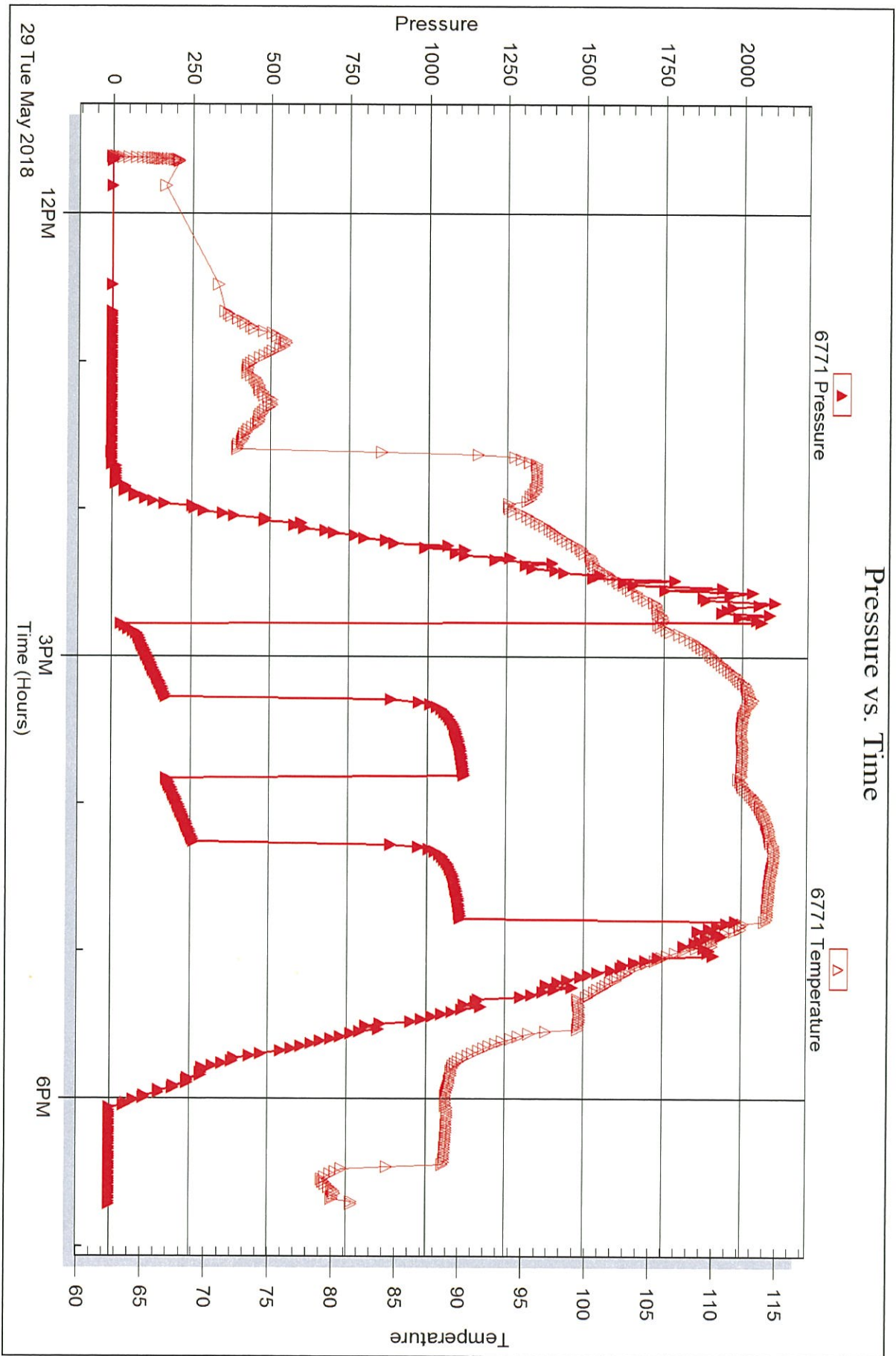
Serial #: 6771

Inside

Palomino Petroleum, Inc.

Whitham-Miller #1

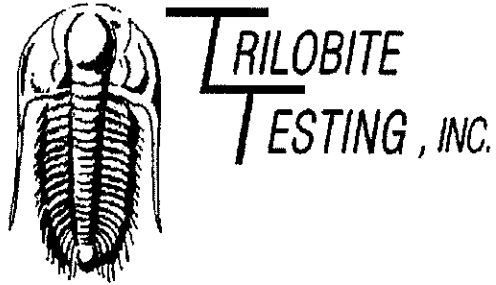
DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 63443

Printed: 2018.06.04 @ 15:57:57



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Whitham-Miller #1

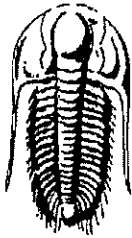
15-16S-36W Wichita,KS

Start Date: 2018.05.30 @ 13:20:13

End Date: 2018.05.30 @ 18:39:43

Job Ticket #: 63444 DST #: 3

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, Inc.

15-16S-36W Wichita, KS

4924 SE 84th St.
New ton, KS 67114

Whitham-Miller #1

Job Ticket: 63444

DST#: 3

ATTN: Ryan Seib

Test Start: 2018.05.30 @ 13:20:13

GENERAL INFORMATION:

Formation: **LKC "H - I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:58:13

Time Test Ended: 18:39:43

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: **4205.00 ft (KB) To 4277.00 ft (KB) (TVD)**

Total Depth: 4277.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3281.00 ft (KB)

3276.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6753

Outside

Press@RunDepth: 41.16 psig @ 4273.00 ft (KB)

Start Date: 2018.05.30

End Date: 2018.05.30

Start Time: 13:20:18

End Time: 18:39:42

Capacity: 8000.00 psig

Last Calib.: 2018.05.30

Time On Btm: 2018.05.30 @ 14:57:43

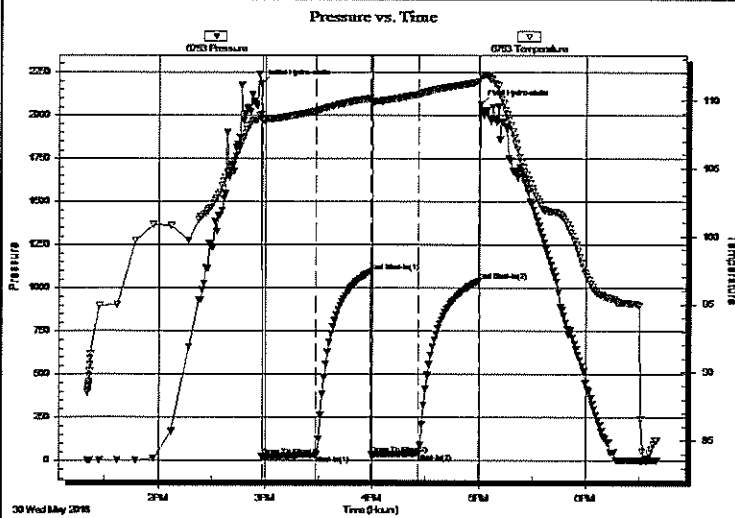
Time Off Btm: 2018.05.30 @ 17:00:43

TEST COMMENT: 30- IF- Slow ly built to .5"

30- IS- No blow

30- FF- No blow

30- FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2179.18	108.94	Initial Hydro-static
1	23.28	108.51	Open To Flow (1)
31	32.06	109.16	Shut-In(1)
61	1093.59	110.13	End Shut-In(1)
62	34.60	109.83	Open To Flow (2)
88	41.16	110.40	Shut-In(2)
122	1039.57	111.34	End Shut-In(2)
123	2065.51	111.79	Final Hydro-static

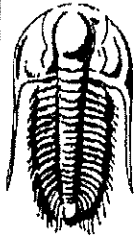
Recovery

Length (ft)	Description	Volume (bbl)
30.00	M	0.15

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

15-16S-36W Wichita,KS

4924 SE 84th St.
New ton, KS 67114

Whitham-Miller #1

Job Ticket: 63444

DST#: 3

ATTN: Ryan Seib

Test Start: 2018.05.30 @ 13:20:13

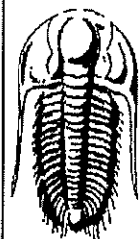
Tool Information

Drill Pipe:	Length: 4058.00 ft	Diameter: 3.82 inches	Volume: 57.52 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial	74000.00 lb
Depth to Top Packer:	4205.00 ft			Final	74000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	72.00 ft				
Tool Length:	100.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4178.00	
Shut In Tool	5.00			4183.00	
Hydraulic tool	5.00			4188.00	
Jars	5.00			4193.00	
Safety Joint	3.00			4196.00	
Packer	5.00			4201.00	28.00 Bottom Of Top Packer
Packer	4.00			4205.00	
Stubb	1.00			4206.00	
Perforations	3.00			4209.00	
Recorder	0.00	6771	Inside	4209.00	
Change Over Sub	1.00			4210.00	
Drill Pipe	63.00			4273.00	
Recorder	0.00	6753	Outside	4273.00	
Change Over Sub	1.00			4274.00	
Bullnose	3.00			4277.00	72.00 Bottom Packers & Anchor

Total Tool Length: 100.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

15-16S-36W Wichita, KS

4924 SE 84th St.
New ton, KS 67114

Whitham-Miller #1

Job Ticket: 63444

DST#: 3

ATTN: Ryan Seib

Test Start: 2018.05.30 @ 13:20:13

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: 5100.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	M	0.148

Total Length: 30.00 ft

Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

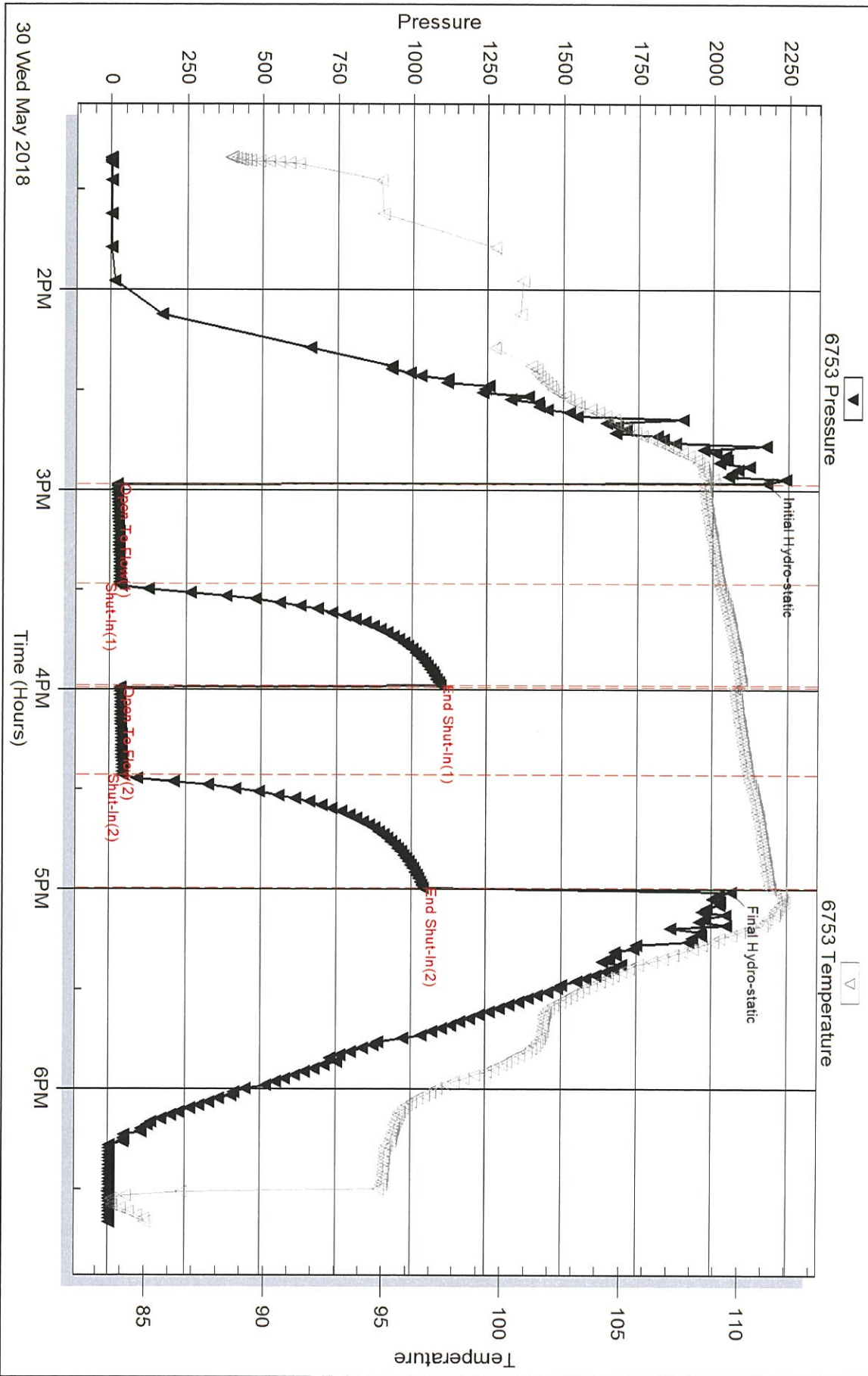
Serial #:

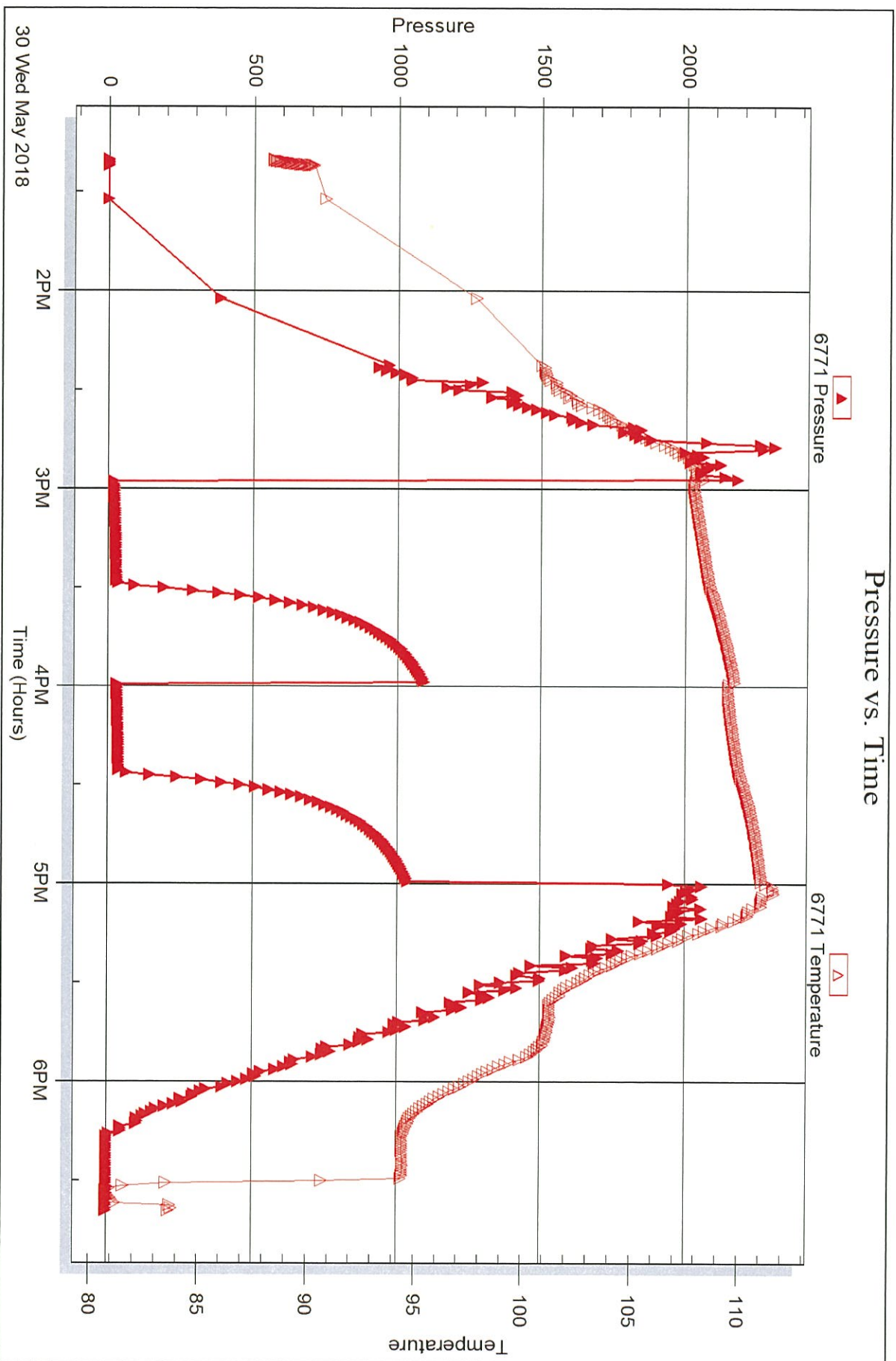
Laboratory Name:

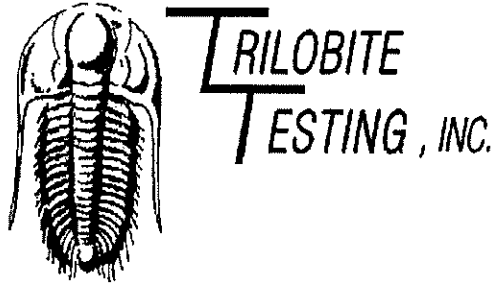
Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Whitham-Miller #1

15-16S-36W Wichita,KS

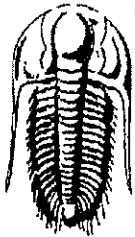
Start Date: 2018.05.31 @ 21:28:06

End Date: 2018.06.01 @ 04:00:06

Job Ticket #: 63445 DST #: 4

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

Printed: 2018.06.04 @ 15:57:18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

15-16S-36W Wichita, KS

4924 SE 84th St.
New ton, KS 67114

Whitham-Miller #1

Job Ticket: 63445

DST#: 4

ATTN: Ryan Seib

Test Start: 2018.05.31 @ 21:28:06

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:43:06

Time Test Ended: 04:00:06

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: **4385.00 ft (KB) To 4536.00 ft (KB) (TVD)**

Total Depth: 4536.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3281.00 ft (KB)

3276.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6753

Outside

Press@RunDepth: 341.57 psig @ 4532.00 ft (KB)

Start Date: 2018.05.31

End Date:

2018.06.01

Start Time: 21:28:11

End Time:

04:00:05

Capacity: 8000.00 psig

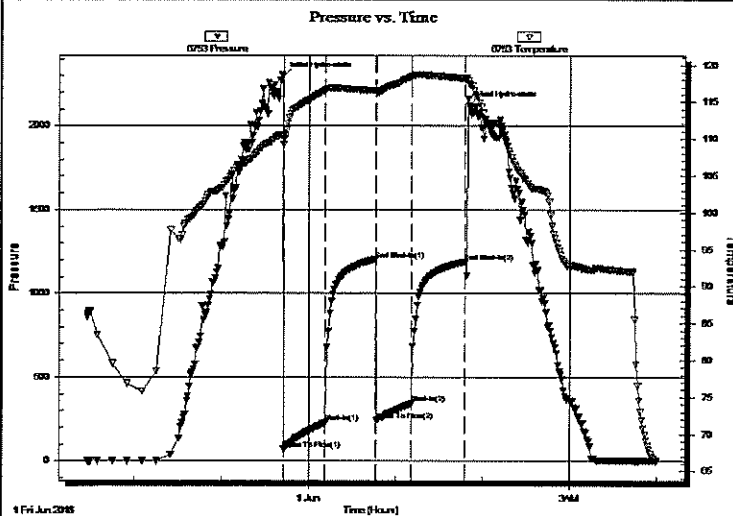
Last Calib.: 2018.06.01

Time On Btm: 2018.05.31 @ 23:42:06

Time Off Btm: 2018.06.01 @ 01:50:06

TEST COMMENT: 30- IF- BOB 6 mins (34")
30- IS- No blow
30- FF- BOB 9 mins (23")
30- FS- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2297.43	110.46	Initial Hydro-static
1	67.55	110.03	Open To Flow (1)
30	229.56	116.60	Shut-In(1)
64	1203.01	116.51	End Shut-In(1)
65	243.54	116.23	Open To Flow (2)
89	341.57	118.42	Shut-In(2)
126	1189.11	118.23	End Shut-In(2)
128	2122.55	117.41	Final Hydro-static

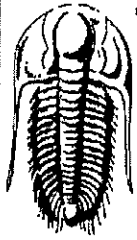
Recovery

Length (ft)	Description	Volume (bbl)
713.00	MW, 20%M 80%W	8.98

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

15-16S-36W Wichita, KS

4924 SE 84th St.
New ton, KS 67114

Whitham-Miller #1

Job Ticket: 63445

DST#: 4

ATTN: Ryan Seib

Test Start: 2018.05.31 @ 21:28:06

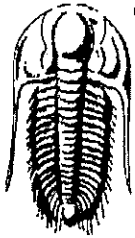
Tool Information

Drill Pipe:	Length: 4249.00 ft	Diameter: 3.82 inches	Volume: 60.23 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 86000.00 lb
			Total Volume: - bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4385.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	151.00 ft			
Tool Length:	179.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4358.00	
Shut In Tool	5.00			4363.00	
Hydraulic tool	5.00			4368.00	
Jars	5.00			4373.00	
Safety Joint	3.00			4376.00	
Packer	5.00			4381.00	28.00 Bottom Of Top Packer
Packer	4.00			4385.00	
Stubb	1.00			4386.00	
Perforations	18.00			4404.00	
Recorder	0.00	6771	Inside	4404.00	
Change Over Sub	1.00			4405.00	
Drill Pipe	127.00			4532.00	
Recorder	0.00	6753	Outside	4532.00	
Change Over Sub	1.00			4533.00	
Bullnose	3.00			4536.00	151.00 Bottom Packers & Anchor

Total Tool Length: 179.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

15-16S-36W Wichita, KS

4924 SE 84th St.
New ton, KS 67114

Whitham-Miller #1

Job Ticket: 63445 DST#: 4

ATTN: Ryan Seib

Test Start: 2018.05.31 @ 21:28:06

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:	39000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5200.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

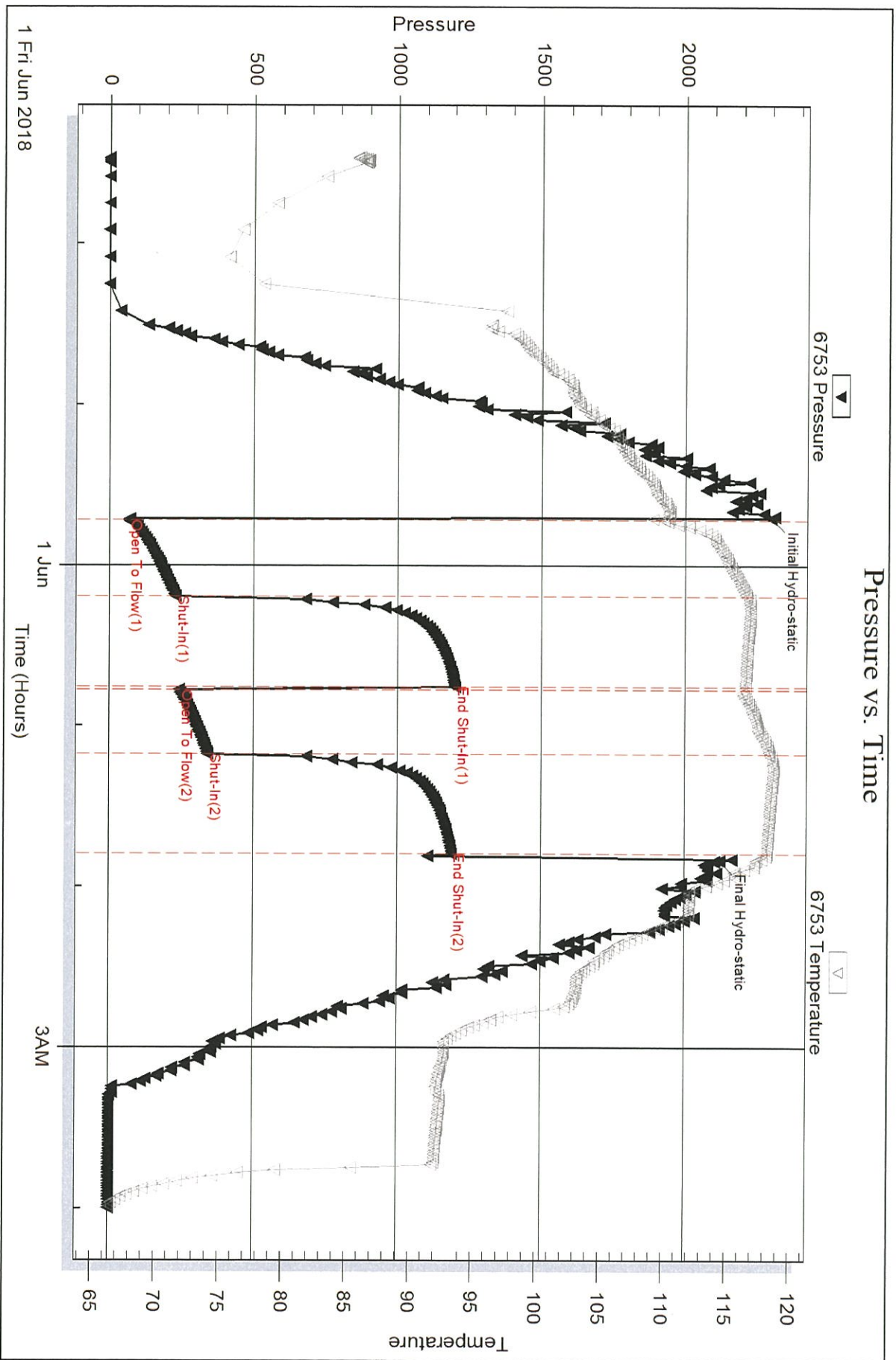
Length ft	Description	Volume bbl
713.00	MW, 20%M 80%W	8.978

Total Length: 713.00 ft Total Volume: 8.978 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW: .17@69deg



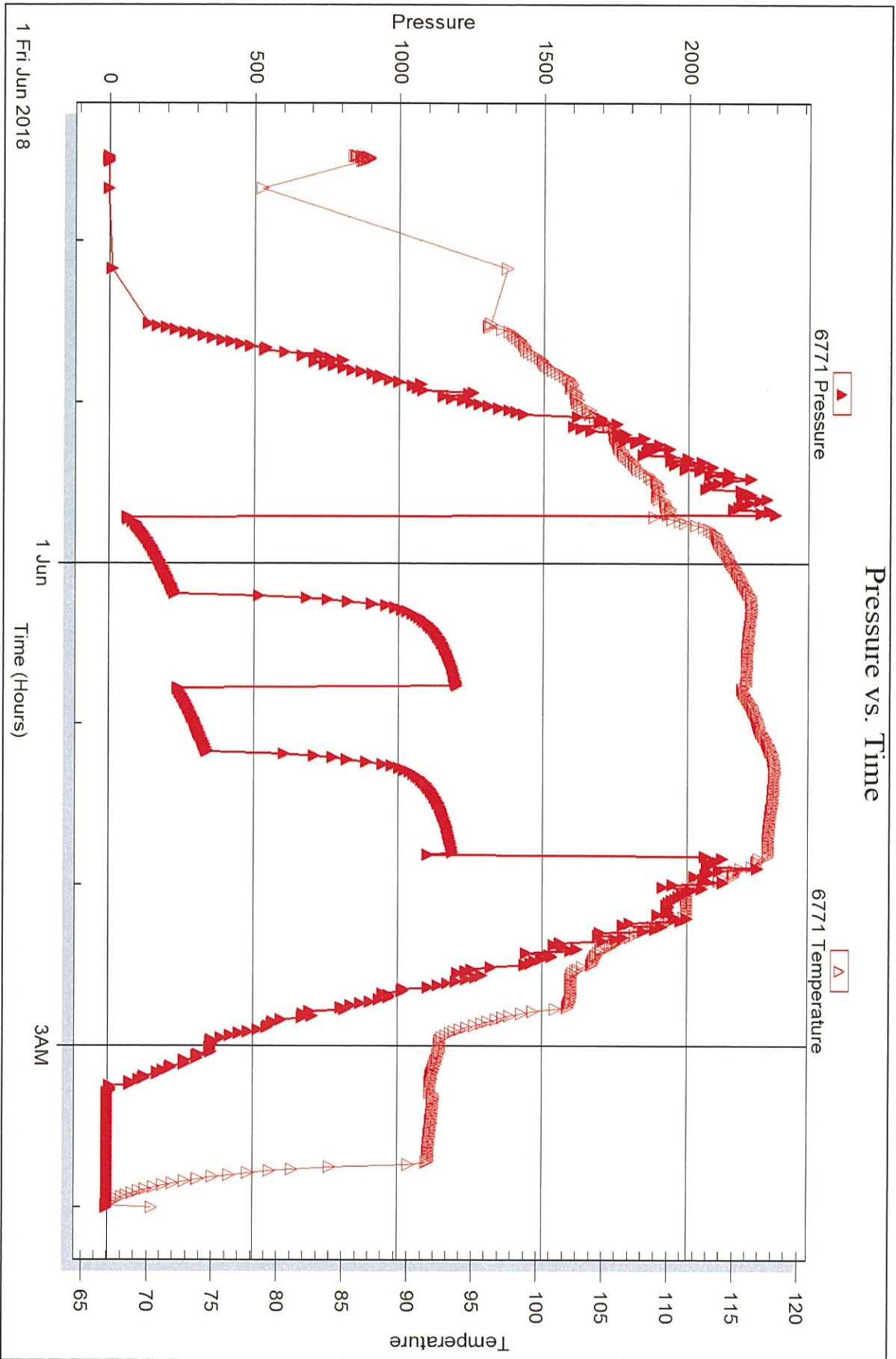
Serial #: 6771

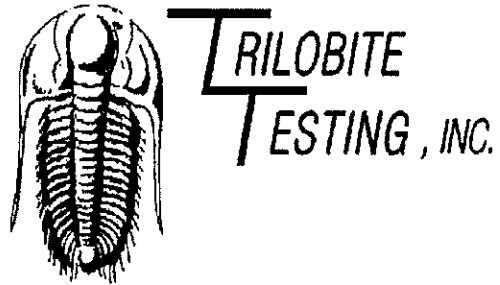
Inside

Palomino Petroleum, Inc.

Whitham-Miller #1

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Whitham-Miller #1

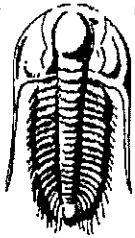
15-16S-36W Wichita,KS

Start Date: 2018.06.01 @ 20:00:27

End Date: 2018.06.02 @ 01:57:57

Job Ticket #: 63647 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, Inc.
4924 SE 84th St.
New ton, KS 67114
ATTN: Ryan Seib

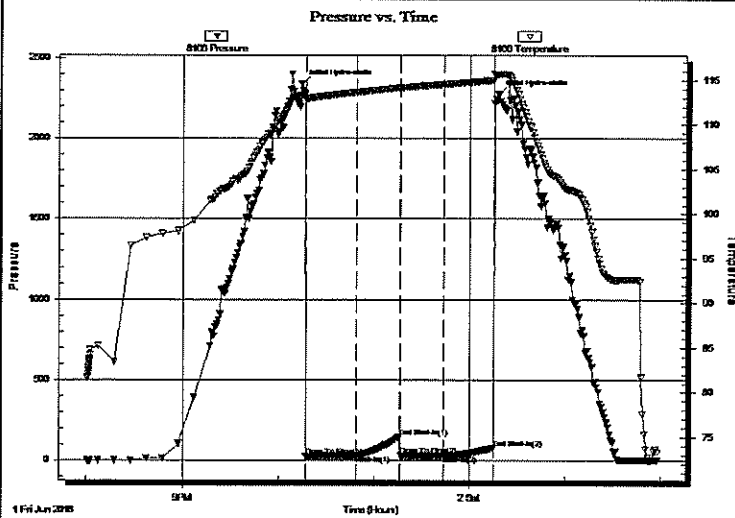
15-16S-36W Wichita, KS
Whitham-Miller #1
Job Ticket: 63647 DST#: 5
Test Start: 2018.06.01 @ 20:00:27

GENERAL INFORMATION:

Formation: **Pawnee- Ft Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:16:57
Time Test Ended: 01:57:57
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79
Interval: **4522.00 ft (KB) To 4636.00 ft (KB) (TVD)**
Reference Elevations: 3281.00 ft (KB)
Total Depth: 4636.00 ft (KB) (TVD) 3276.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8166 Outside
Press@RunDepth: 29.74 psig @ 4523.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2018.06.01 End Date: 2018.06.02 Last Calib.: 2018.06.01
Start Time: 20:00:32 End Time: 01:57:56 Time On Btm: 2018.06.01 @ 22:14:27
Time Off Btm: 2018.06.02 @ 00:17:57

TEST COMMENT: IF: 1/2" blow built to 3/4"
IS: No return.
FF: No blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2336.99	113.29	Initial Hydro-static
3	27.55	112.81	Open To Flow (1)
35	29.64	113.63	Shut-In(1)
62	144.80	114.14	End Shut-In(1)
62	29.33	114.09	Open To Flow (2)
89	29.74	114.53	Shut-In(2)
121	77.54	114.98	End Shut-In(2)
124	2273.61	115.64	Final Hydro-static

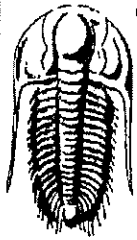
Recovery

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

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

15-16S-36W Wichita, KS

4924 SE 84th St.
New ton, KS 67114

Whitham-Miller #1

Job Ticket: 63647

DST#: 5

ATTN: Ryan Seib

Test Start: 2018.06.01 @ 20:00:27

Tool Information

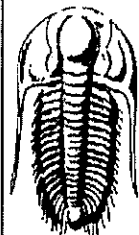
Drill Pipe:	Length: 4404.00 ft	Diameter: 3.88 inches	Volume: 64.41 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 65.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4522.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	114.00 ft			
Tool Length:	141.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4496.00	
Shut In Tool	5.00			4501.00	
Hydraulic tool	5.00			4506.00	
Jars	5.00			4511.00	
Safety Joint	2.00			4513.00	
Packer	5.00			4518.00	27.00 Bottom Of Top Packer
Packer	4.00			4522.00	
Stubb	1.00			4523.00	
Recorder	0.00	6651	Inside	4523.00	
Recorder	0.00	8166	Outside	4523.00	
Perforations	11.00			4534.00	
Change Over Sub	1.00			4535.00	
Drill Pipe	95.00			4630.00	
Change Over Sub	1.00			4631.00	
Bullnose	5.00			4636.00	114.00 Bottom Packers & Anchor

Total Tool Length: 141.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

15-16S-36W Wichita, KS

4924 SE 84th St.
New ton, KS 67114

Whitham-Miller #1

Job Ticket: 63647 DST#: 5

ATTN: Ryan Seib

Test Start: 2018.06.01 @ 20:00:27

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.79 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 5600.00 ppm		
Filter Cake: 2.00 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:

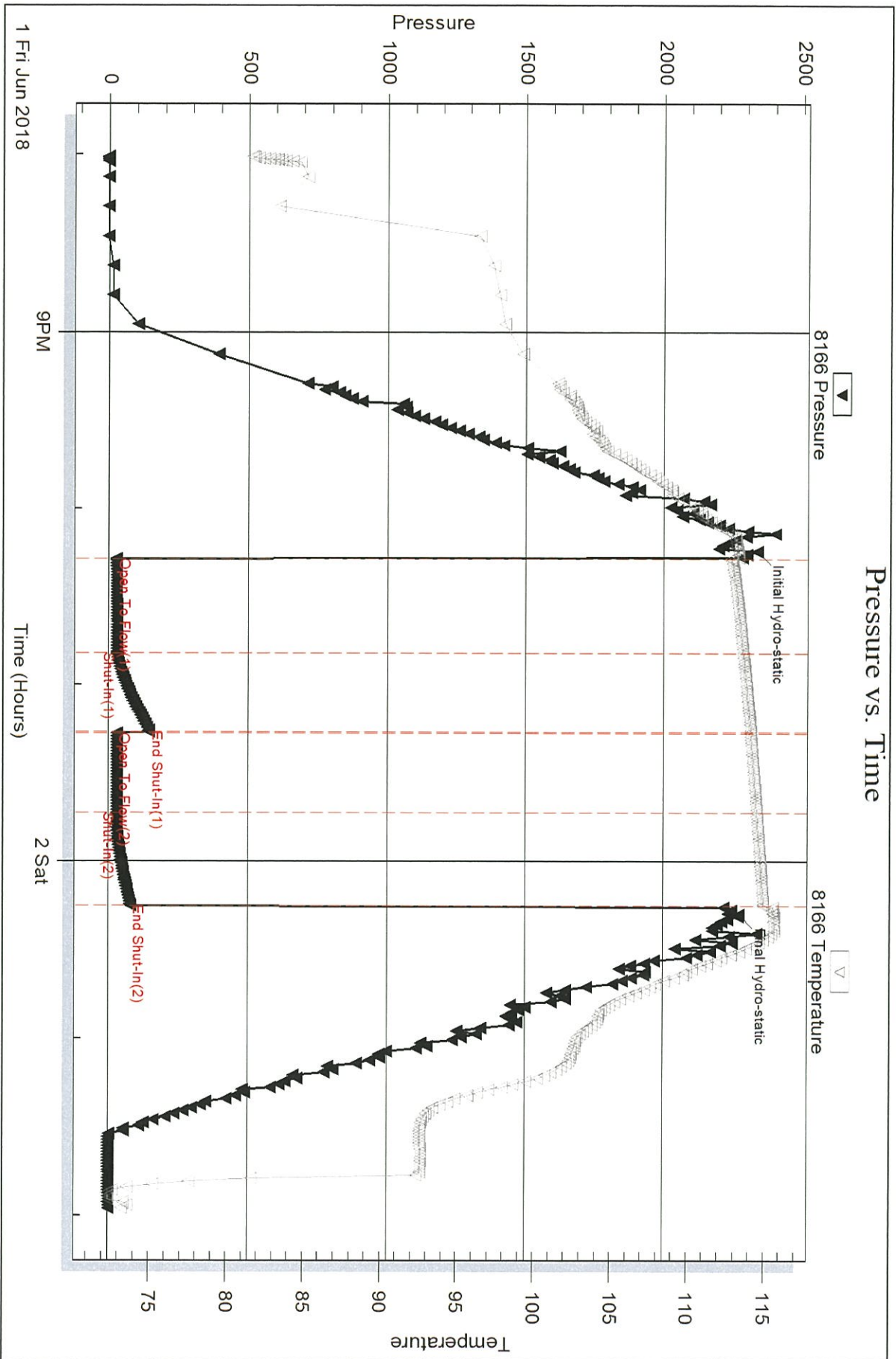
Serial #: 8166

Outside

Palomino Petroleum, Inc.

Whitham-Miller #1

DST Test Number: 5



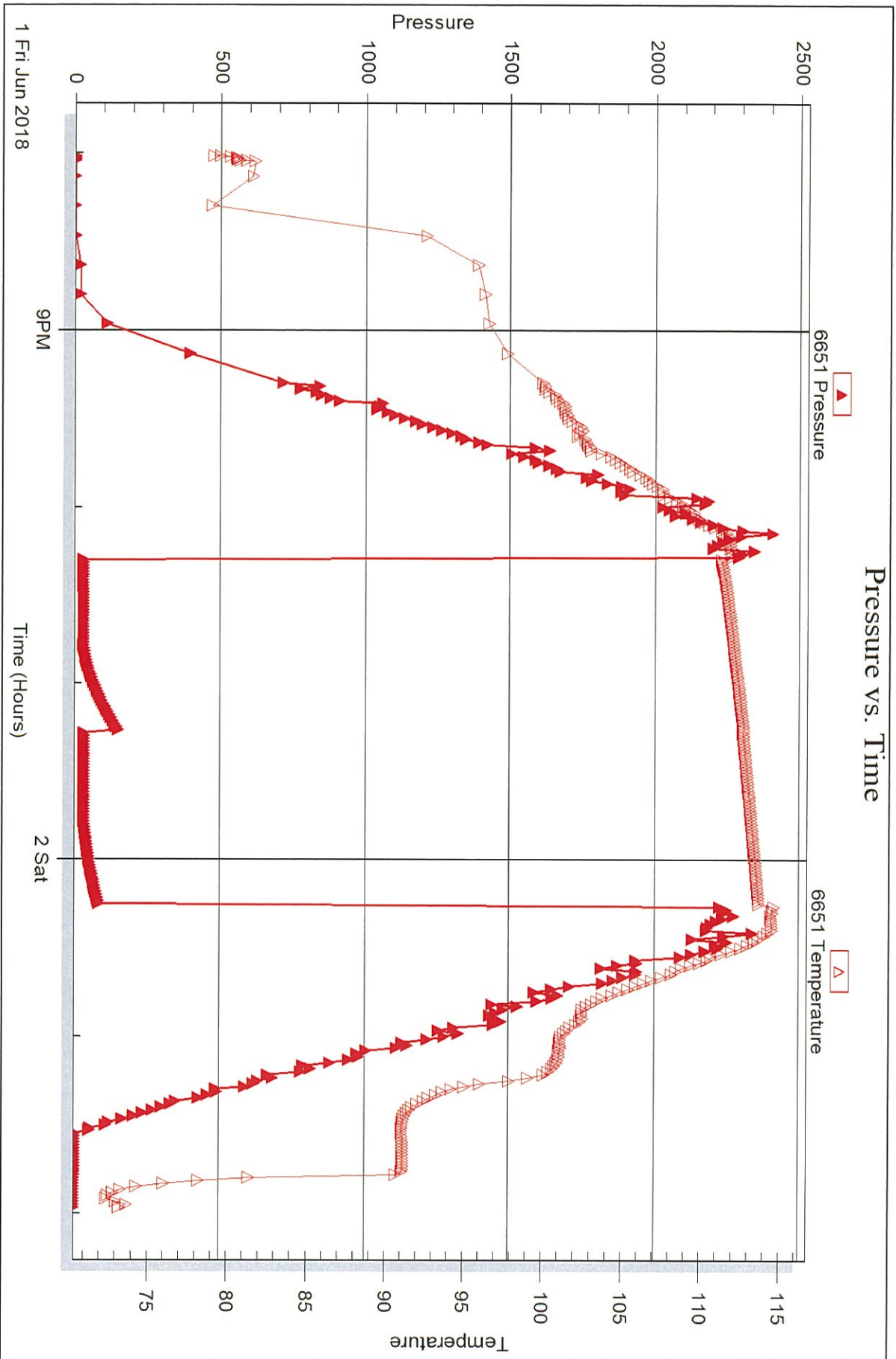
Serial #: 6651

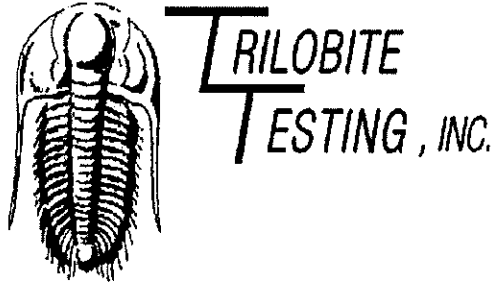
Inside

Palomino Petroleum, Inc.

Whitham-Miller #1

DST Test Number: 5





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum, Inc.**

4924 SE 84th St.
Newton, KS 67114

ATTN: Ryan Seib

Whitham-Miller #1

15-16S-36W Wichita,KS

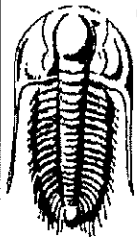
Start Date: 2018.06.03 @ 20:58:37

End Date: 2018.06.04 @ 03:25:07

Job Ticket #: 63648 DST #: 6

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

Printed: 2018.06.04 @ 15:56:20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palomino Petroleum, Inc.

15-16S-36W Wichita, KS

4924 SE 84th St.
New ton, KS 67114

Whitham-Miller #1

Job Ticket: 63648

DST#: 6

ATTN: Ryan Seib

Test Start: 2018.06.03 @ 20:58:37

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:31:37

Time Test Ended: 03:25:07

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: **4741.00 ft (KB) To 4837.00 ft (KB) (TVD)**

Reference Elevations: 3281.00 ft (KB)

Total Depth: 5002.00 ft (KB) (TVD)

3276.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8166

Outside

Press@RunDepth: 48.51 psig @ 4742.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.06.03 End Date: 2018.06.04

Last Calib.: 2018.06.04

Start Time: 20:58:42 End Time: 03:25:06

Time On Btm: 2018.06.03 @ 23:28:07

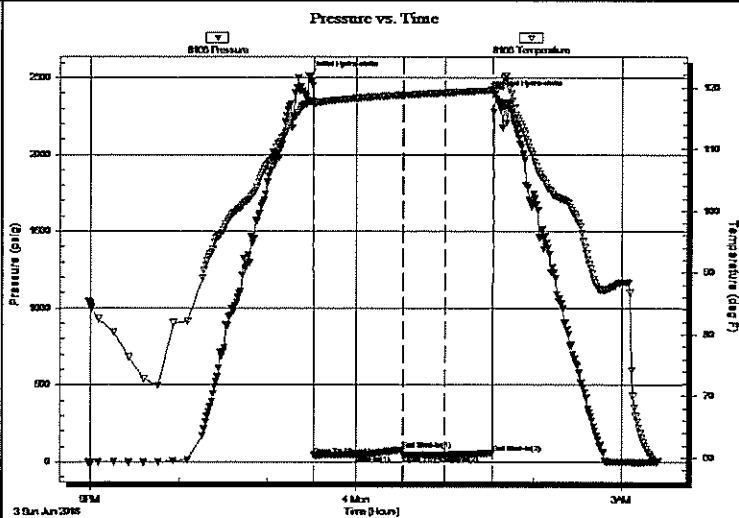
Time Off Btm: 2018.06.04 @ 01:33:37

TEST COMMENT: IF: 1 1/2" built to 1 3/4"

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2512.91	117.63	Initial Hydro-static
4	42.20	117.24	Open To Flow (1)
32	46.07	118.23	Shut-In(1)
63	78.66	118.76	End Shut-In(1)
64	47.43	118.76	Open To Flow (2)
92	48.51	119.16	Shut-In(2)
124	58.34	119.55	End Shut-In(2)
126	2391.11	120.29	Final Hydro-static

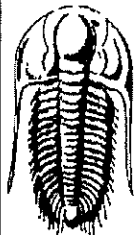
Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud 100%m	0.10

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum, Inc.

15-16S-36W Wichita, KS

4924 SE 84th St.
Newton, KS 67114

Whitham-Miller #1

Job Ticket: 63648

DST#: 6

ATTN: Ryan Seib

Test Start: 2018.06.03 @ 20:58:37

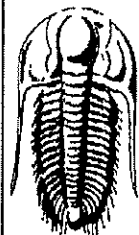
Tool Information

Drill Pipe:	Length: 4607.00 ft	Diameter: 3.82 inches	Volume: 65.31 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 65.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 84000.00 lb
Depth to Top Packer:	4741.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	261.00 ft			
Tool Length:	283.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4720.00	
Shut In Tool	5.00			4725.00	
Hydraulic tool	5.00			4730.00	
Safety Joint	2.00			4732.00	
Packer	5.00			4737.00	22.00 Bottom Of Top Packer
Packer	4.00			4741.00	
Stubb	1.00			4742.00	
Recorder	0.00	6651	Inside	4742.00	
Recorder	0.00	8166	Outside	4742.00	
Perforations	10.00			4752.00	
Change Over Sub	1.00			4753.00	
Drill Pipe	64.00			4817.00	
Change Over Sub	1.00			4818.00	
Perforations	14.00			4832.00	
Blank Off Sub	1.00			4833.00	
Packer - Shale	4.00			4837.00	
Packer - Shale	5.00			4842.00	
Stubb	1.00			4843.00	
Change Over Sub	1.00			4844.00	
Recorder	0.00	8650	Below	4844.00	
Drill Pipe	158.00			5002.00	261.00 Bottom Packers & Anchor

Total Tool Length: 283.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum, Inc.

15-16S-36W Wichita, KS

4924 SE 84th St.
New ton, KS 67114

Whitham-Miller #1

Job Ticket: 63648 DST#: 6

ATTN: Ryan Seib

Test Start: 2018.06.03 @ 20:58:37

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud 100%m	0.098

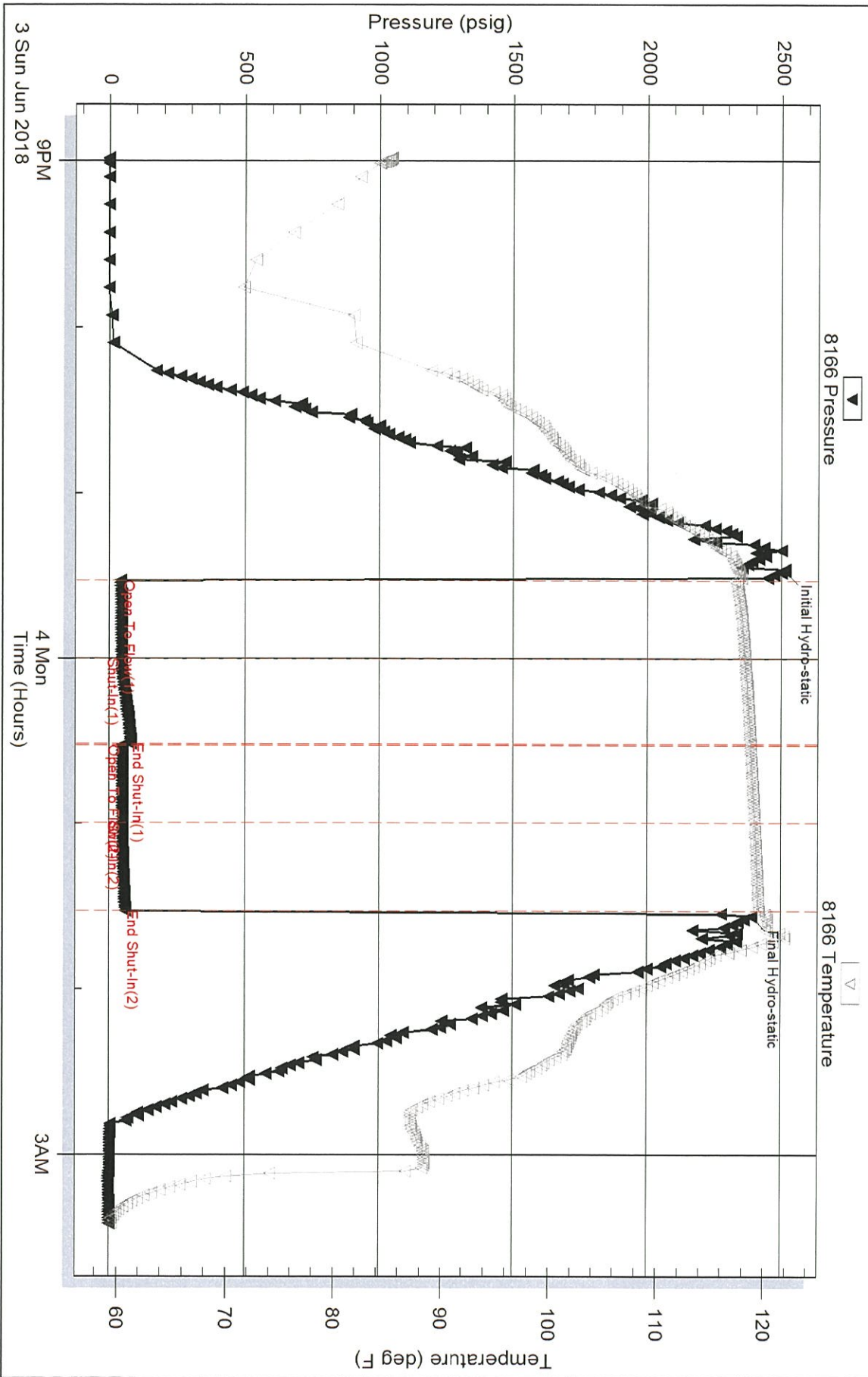
Total Length: 20.00 ft Total Volume: 0.098 bbl

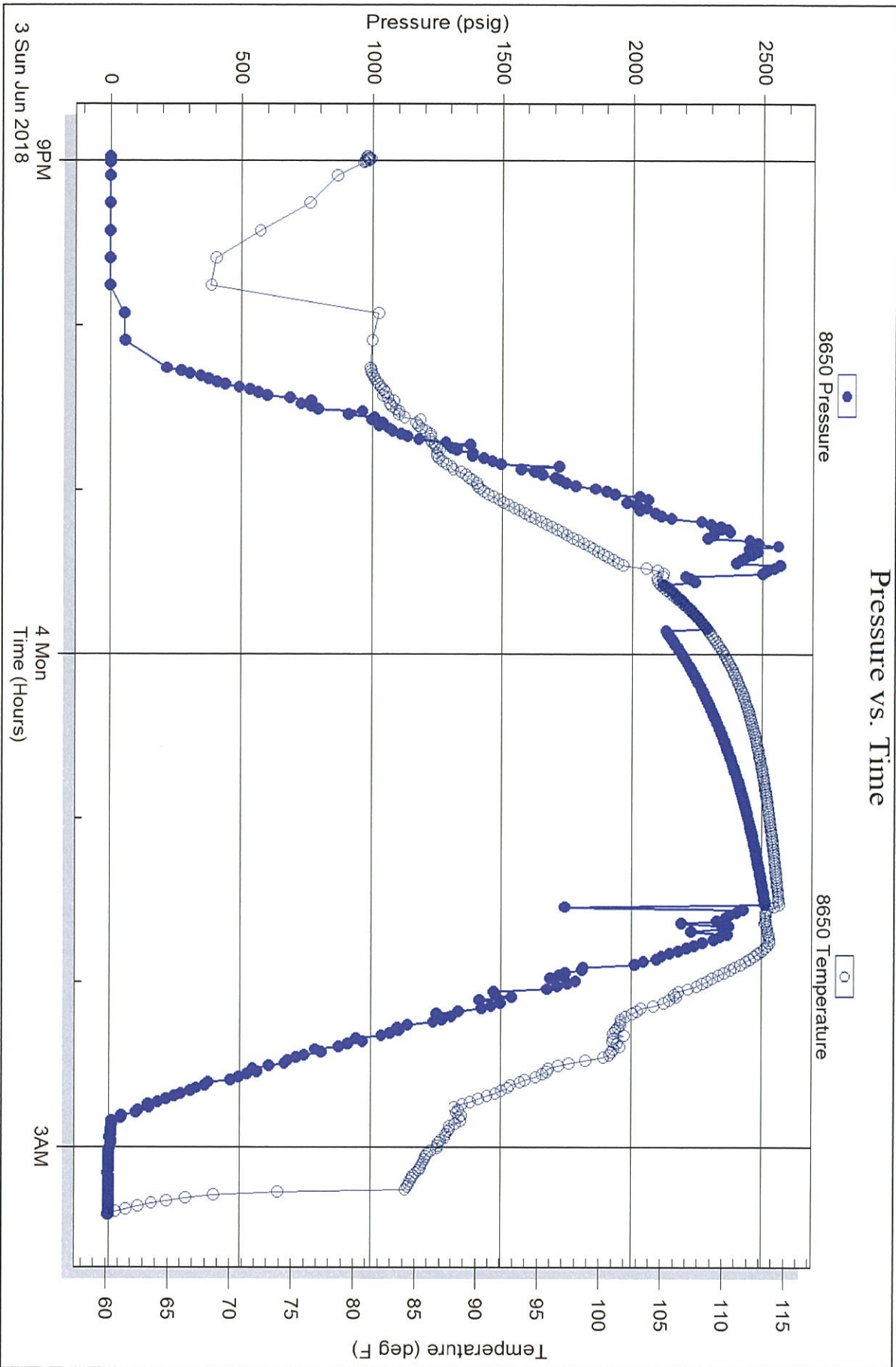
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

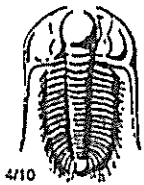
Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63442

Well Name & No. Whitham-Moller #1 Test No. 1 Date 5/28/18
 Company Palomina Petroleum, Inc. Elevation 3281 KB 3276 GL
 Address 4924 SE 84th St, Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW #10
 Location: Sec. 15 Twp 16 S Rge. 36 W Co. Wichita State KS

Interval Tested 3804-3960 Zone Tested Tapeka
 Anchor Length 156' Drill Pipe Run 3678 Mud Wt. 9.0
 Top Packer Depth 3799 Drill Collars Run 122 Vis 50
 Bottom Packer Depth 3804 Wt. Pipe Run --- WL 7.2
 Total Depth 3960 Chlorides 4000 ppm System LCM 2#

Blow Description FF-DOB 4mins (62")
ISI - No flow
FF - BOD 5mins (48")
PSI - No blow

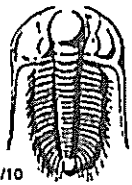
Rec	Feet of	%gas	%oil	%water	%mud
<u>951</u>	<u>MW</u>			<u>20</u>	<u>30</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 951 BHT 111° Gravity --- API RW 12 @ 69 °F Chlorides 5600 ppm

(A) Initial Hydrostatic <u>1884</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>1215</u>
(B) First Initial Flow <u>86</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1436</u>
(C) First Final Flow <u>333</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1640</u>
(D) Initial Shut-In <u>1054</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1840</u>
(E) Second Initial Flow <u>323</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2016</u>
(F) Second Final Flow <u>473</u>	<input checked="" type="checkbox"/> Mileage <u>90 RT 90</u>	Comments
(G) Final Shut-In <u>1052</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1801</u>	<input type="checkbox"/> Straddle	
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1465</u>
	Sub Total <u>1465</u>	MP/DST Disc't

Approved By _____ Our Representative Brannon Lonsdale

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. 63443

Well Name & No. Whitham - Miller #1 Test No. 2 Date 5/29/18
 Company Palmira Petroleum, Inc. Elevation 3281 KB 3276 GL
 Address 4924 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Ryan Saib Rig WW #10
 Location: Sec. 15 Twp 16 S Rge. 36 W Co. Wichita State KS

Interval Tested 4036-4100 Zone Tested Lensing "A-C"
 Anchor Length 64' Drill Pipe Run 3901 Mud Wt. 9.4
 Top Packer Depth 4031 Drill Collars Run 122 Vls 50
 Bottom Packer Depth 4036 Wt. Pipe Run _____ WL 8.0
 Total Depth 4100 Chlorides 5,000 ppm System LCM 2⁺

Blow Description IF-BOB 7 mins (25')
ISF- No Blow
PF-BOB 15 mins (20')
FSI- No Blow

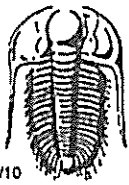
Rec	Feet of	%gas	%oil	%water	%mud
<u>55.5</u>	<u>MW</u>			<u>65</u>	<u>35</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 55.5' BHT 115° Gravity _____ API RW .12 @ 70° F Chlorides 5,000 ppm

(A) Initial Hydrostatic 2066 Test 1150 T-On Location 1100
 (B) First Initial Flow 33 Jars 250 T-Started 1136
 (C) First Final Flow 174 Safety Joint 75 T-Open 1446
 (D) Initial Shut-In 1120 Circ Sub _____ T-Pulled 1646
 (E) Second Initial Flow 177 Hourly Standby _____ T-Out 1843
 (F) Second Final Flow 264 Mileage 90 RT 90 Comments _____
 (G) Final Shut-In 1111 Sampler _____
 (H) Final Hydrostatic 1977 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Copies _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1565 Total 1565 MP/DST Disc't _____

Approved By _____ Our Representative Brannan Lunsdale

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. 63444

Well Name & No. Whitham - Miller #1 Test No. 3 Date 5/30/18
 Company Palomino Petroleum, Inc. Elevation 3281 KB 3276 GL
 Address 4424 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Ryan Seib Rig WW #10
 Location: Sec. 15 Twp 16 S Rge. 36 W Co. Wichita State KS

Interval Tested 4205-4277 Zone Tested Lansing "H+I"
 Anchor Length 72' Drill Pipe Run 4058 Mud Wt. 9.4
 Top Packer Depth 4200 Drill Collars Run 122 Vls 51
 Bottom Packer Depth 4205 Wt. Pipe Run --- WL 8.0
 Total Depth 4277 Chlorides 5,100 ppm System LCM 2#

Blow Description IF - Built very slowly to 1/2"
ISI - No blow
FE - No blow
FSD - No blow

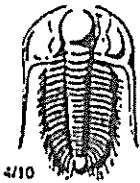
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>M</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30' BHT 111° Gravity --- API RW --- @ --- F Chlorides --- ppm

(A) Initial Hydrostatic <u>2179</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1255</u>
(B) First Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1320</u>
(C) First Final Flow <u>32</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1458</u>
(D) Initial Shut-In <u>1094</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1658</u>
(E) Second Initial Flow <u>35</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1840</u>
(F) Second Final Flow <u>41</u>	<input checked="" type="checkbox"/> Mileage <u>90 RT 90</u>	Comments
(G) Final Shut-In <u>1040</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2066</u>	<input type="checkbox"/> Straddle	
	<input type="checkbox"/> Shale Packer	
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	
	Sub Total <u>1565</u>	

Approved By _____ Our Representative Brannan Lonsdale

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. 63445

Well Name & No. Whitham-Miller #1 Test No. 4 Date 5/31/18
 Company Pulmino Petroleum, Inc. Elevation 3281 KB 3276 GL
 Address 49.24 SE 84th St. Newton, KS 67114
 Co. Rep / Geo. Ryan Seeb Rig WW #10
 Location: Sec. 15 Twp 16 S Rge. 36 W Co. Wichita State KS

Interval Tested 4385-4536 Zone Tested Marmaton
 Anchor Length 151' Drill Pipe Run 4249 Mud Wt. 9.3
 Top Packer Depth 4380 Drill Collars Run 122 Vis 46
 Bottom Packer Depth 4385 Wt. Pipe Run — WL 8.0
 Total Depth 4536 Chlorides 5200 ppm System LCM 2#

Blow Description IF-BOB 6mins (34")
ISI- No flow
FE-BOB 9mins (23")
BSI- No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>713</u>	<u>MW</u>		<u>80</u>	<u>20</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 713 BHT 118° Gravity — API RW .17 @ 69 °F Chlorides 39,000 ppm

(A) Initial Hydrostatic <u>2297</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>2110</u>
(B) First Initial Flow <u>68</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2128</u>
(C) First Final Flow <u>230</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2343</u>
(D) Initial Shut-In <u>1203</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>6/1</u> <u>0143</u>
(E) Second Initial Flow <u>244</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0400</u>
(F) Second Final Flow <u>342</u>	<input checked="" type="checkbox"/> Mileage <u>90 RT 90</u>	Comments <u>Stayed 4 nights @ Travelodge, Sharon Springs, KS</u>
(G) Final Shut-In <u>1189</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2123</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Total <u>1565</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't
	<input type="checkbox"/> Accessibility	
	Sub Total <u>1565</u>	

Approved By _____ Our Representative Brannan Lonsdale

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. 63647

Well Name & No. Whitham-Miller #1 Test No. 5 Date 6-1-18
 Company Palomino Petroleum Elevation 3281 KB 3276 GL
 Address _____
 Co. Rep / Geo. Ryan Seib Rig WW #10
 Location: Sec. 15 Twp 16S Rge. 36W Co. Wichita State KS

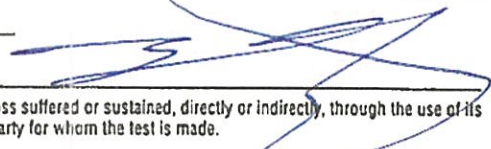
Interval Tested 4522 4636 Zone Tested Rawnee - Ft Scott
 Anchor Length _____ Drill Pipe Run 4404 Mud Wt. 9.4
 Top Packer Depth _____ Drill Collars Run 122 Vis 51
 Bottom Packer Depth 4522 Wt. Pipe Run _____ WL 8.8
 Total Depth 4636 Chlorides 5600 ppm System LCM 2

Blow Description IF! 1/2 inch blow built to 3/4.
IS: NO return.
FF: NO blow.
FS: 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 115 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2336</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>16:45</u>
(B) First Initial Flow <u>27</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>18:00</u>
(C) First Final Flow <u>29</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>20:15</u>
(D) Initial Shut-In <u>144</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIC</u>	T-Pulled <u>22:15</u>
(E) Second Initial Flow <u>29</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>00:00</u>
(F) Second Final Flow <u>29</u>	<input checked="" type="checkbox"/> Mileage <u>96-90</u>	Comments _____
(G) Final Shut-In <u>77</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>2273</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>1565</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>1565</u>	

Approved By _____ Our Representative 

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. 63648

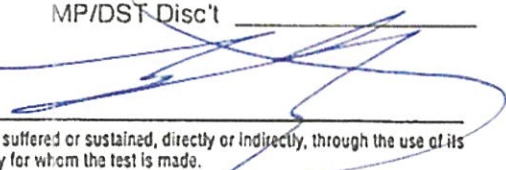
Well Name & No. Whitham - Miller II / Test No. 6 Date 6-3-18
 Company Pyromino Petroleum Elevation 3281 KB 3276 GL
 Address _____
 Co. Rep / Geo. Ryan Seib Rig W4 #10
 Location: Sec. 15 Twp 165 Rge. 36W Co. Wichita State KS

Interval Tested 4741 4837 Zone Tested Marrow
 Anchor Length _____ 96 Drill Pipe Run 4607 Mud Wt. 9.6
 Top Packer Depth _____ 4741 Drill Collars Run 122 Vis 60
 Bottom Packer Depth _____ 4837 Wt. Pipe Run _____ WL 8.8
 Total Depth _____ 5002 Chlorides 6000 ppm System LCM 1
 Blow Description 1F: 1/2 blow built to 1 3/4,
1S: NO return,
2F: NO blow,
2S: NO return,

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</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 20 BHT 119 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2512</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>19:30</u>
(B) First Initial Flow <u>42</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>20:58</u>
(C) First Final Flow <u>46</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>23:30</u>
(D) Initial Shut-In <u>78</u>	<input checked="" type="checkbox"/> Circ Sub <u>NK</u>	T-Pulled <u>1:30</u>
(E) Second Initial Flow <u>47</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>3:25</u>
(F) Second Final Flow <u>48</u>	<input checked="" type="checkbox"/> Mileage <u>96-90</u>	Comments _____
(G) Final Shut-In <u>58</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2391</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input checked="" type="checkbox"/> Ruined Shale Packer <u>350</u>
	<input checked="" type="checkbox"/> Shale Packer <u>X2 500</u>	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Extra Packer <u>200</u>	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>250+350</u>
Final Flow <u>30</u>	<input checked="" type="checkbox"/> Day Standby <u>1.5d 7.5h</u>	Total <u>3565</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>2965</u>	

Approved By _____ Our Representative 

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.

Palomino Petroleum

Whitham-Miller # 7

3281'

904' FSL & 131' FWL

3276'

15 165 360

KB

Wichita KE

W.D. Drilling Rig # 10

8 5/8" @

5/24/18 6/3/18
4999'

260'

NIA

3600' RTD
3400' RTD
3600' RTD
3500' RTD

3400' Chemical
15-203-20336

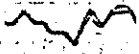
CNO, OIL

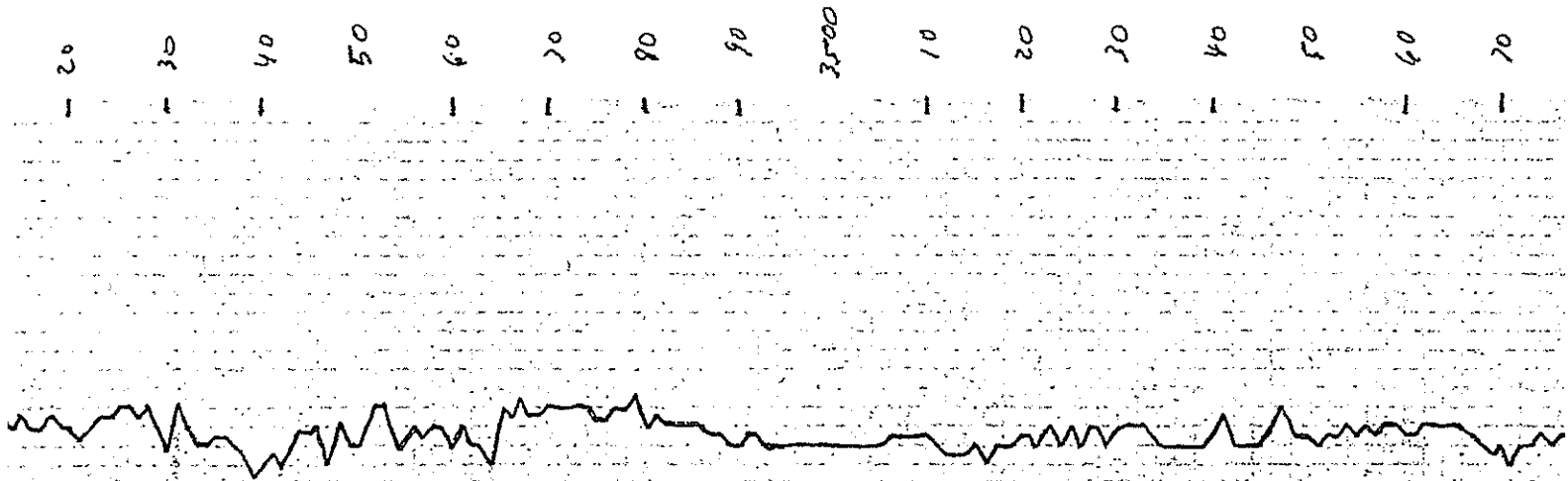
Micro, Sonic

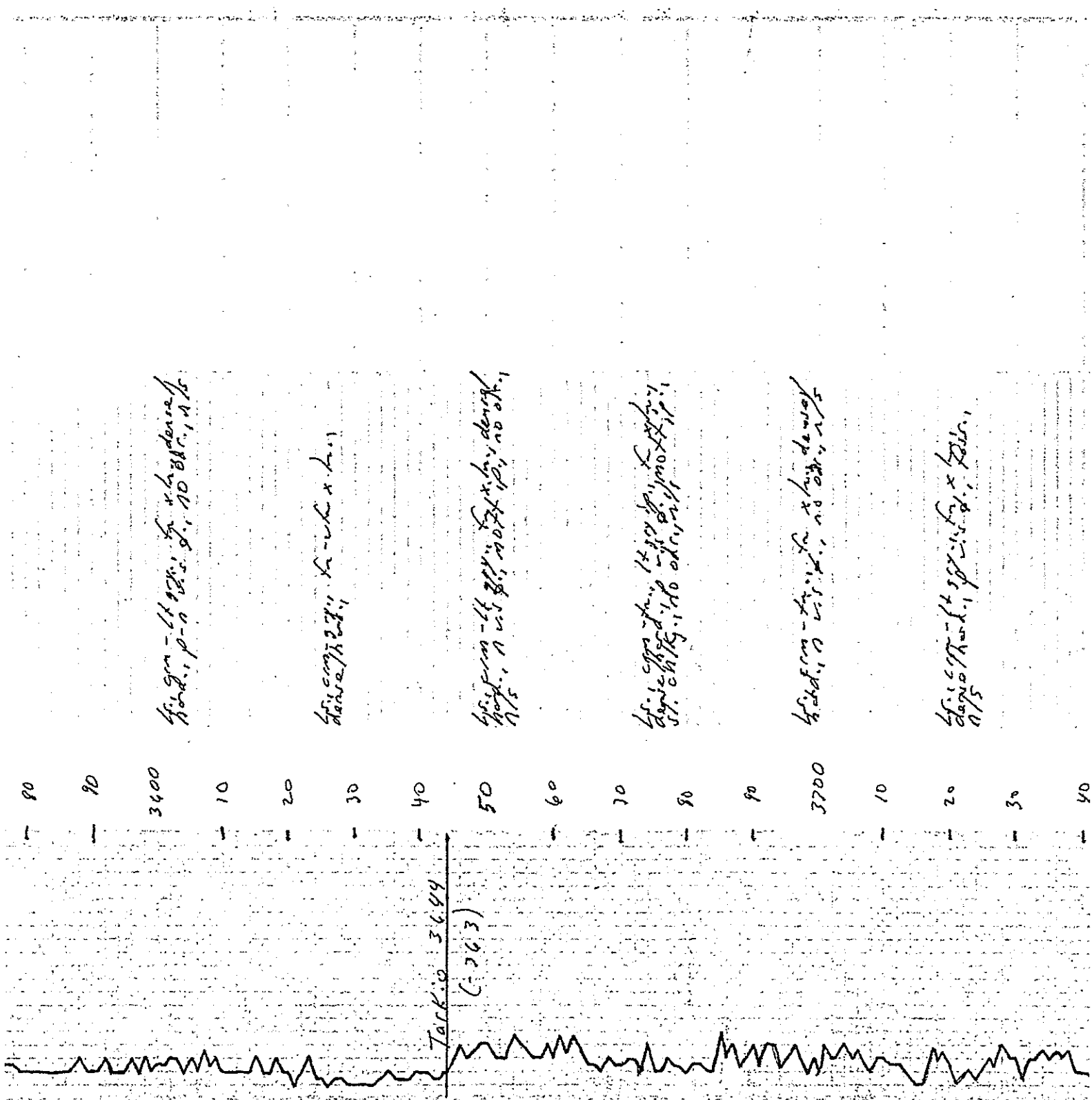
Anhydrite	2553 (-728)
Tojoka	3774 (-495)
Heeber	3995 (-716)
Toronto	4014 (-735)
Lansing	4044 (-763)
Stark	4308 (-1027)
BKIC	4391 (-1110)
Marmaton	4447 (-1166)
Lawnee	4531 (-1250)
Ft. Scott	4587 (-1306)
Cherokee S.L.	4613 (-1332)
Mississippian	4829 (-1548)

3400

- 10







40 grm - 14 grm. 1/2 x 1/2 x 1/2
 100 gr. 1/2 x 1/2 x 1/2, 10 gr. 1/2 x 1/2

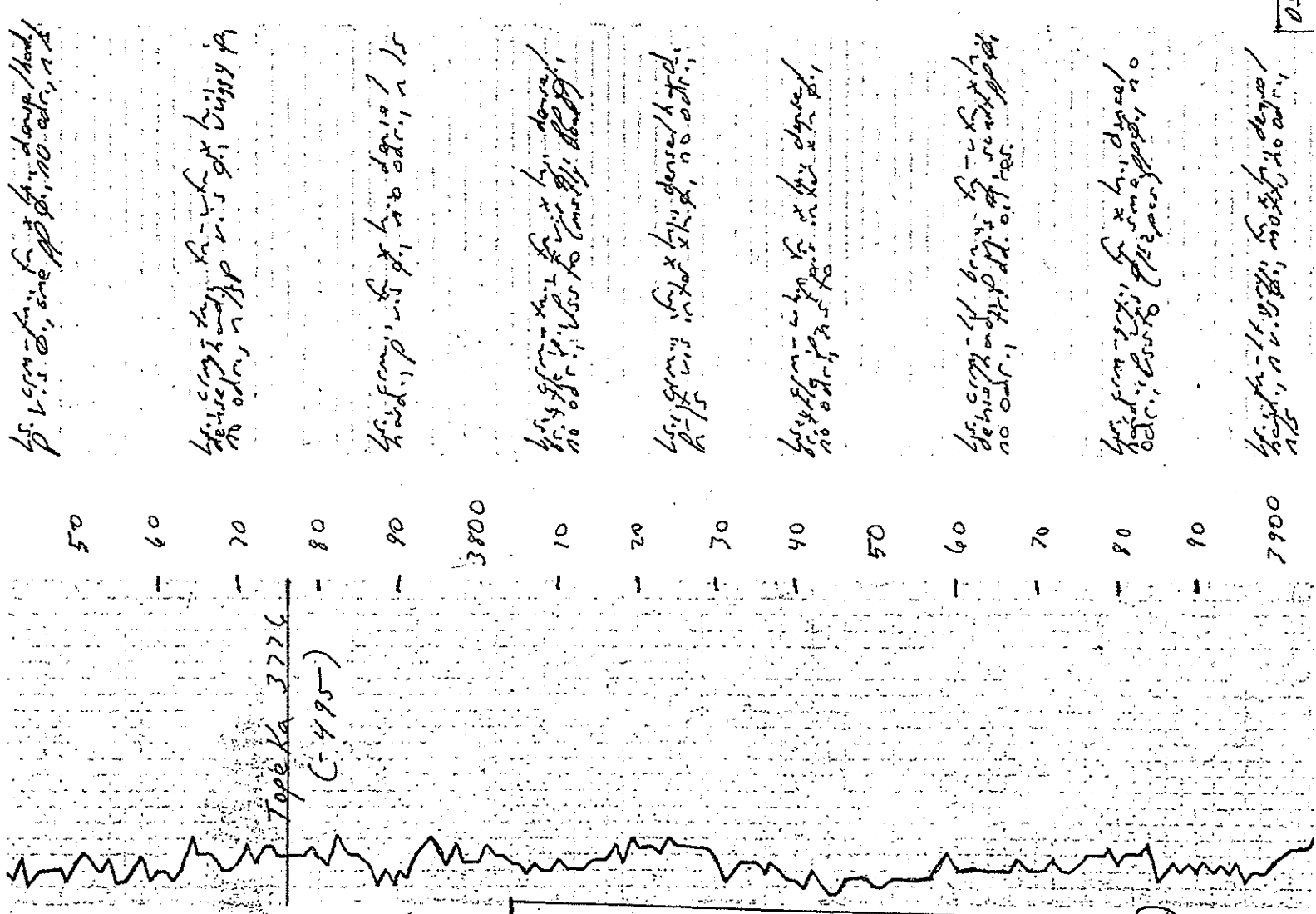
40 grm 1/2 x 1/2 x 1/2, 10 gr. 1/2 x 1/2

40 grm - 14 grm. 1/2 x 1/2 x 1/2
 100 gr. 1/2 x 1/2 x 1/2, 10 gr. 1/2 x 1/2

40 grm 1/2 x 1/2 x 1/2, 10 gr. 1/2 x 1/2
 100 gr. 1/2 x 1/2 x 1/2, 10 gr. 1/2 x 1/2

40 grm - 14 grm. 1/2 x 1/2 x 1/2
 100 gr. 1/2 x 1/2 x 1/2, 10 gr. 1/2 x 1/2

40 grm 1/2 x 1/2 x 1/2, 10 gr. 1/2 x 1/2
 100 gr. 1/2 x 1/2 x 1/2, 10 gr. 1/2 x 1/2



50
 60
 70
 80
 90
 3800
 10
 20
 30
 40
 50
 60
 70
 80
 90
 7900

Topo Ka 3776
 (-495)

50
 60
 70
 80
 90
 3800
 10
 20
 30
 40
 50
 60
 70
 80
 90
 7900

50
 60
 70
 80
 90
 3800
 10
 20
 30
 40
 50
 60
 70
 80
 90
 7900

50
 60
 70
 80
 90
 3800
 10
 20
 30
 40
 50
 60
 70
 80
 90
 7900

50
 60
 70
 80
 90
 3800
 10
 20
 30
 40
 50
 60
 70
 80
 90
 7900

50
 60
 70
 80
 90
 3800
 10
 20
 30
 40
 50
 60
 70
 80
 90
 7900

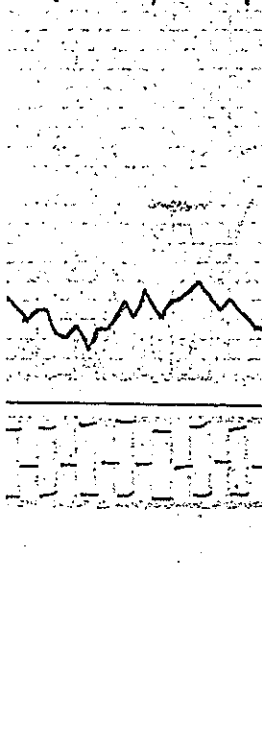
50
 60
 70
 80
 90
 3800
 10
 20
 30
 40
 50
 60
 70
 80
 90
 7900

50
 60
 70
 80
 90
 3800
 10
 20
 30
 40
 50
 60
 70
 80
 90
 7900

30-30-30-30
 Rec. 95' m.w. (70' to 30' to m)
 IF-8.0.0-4" M. Return
 FF-10.0.0-5" "
 HP-1884#-180' #
 IF-1.86#-333# FF-1.323# 473#
 FSI 10-1054# FSI 10-1052#

ls. 9m - thin, sh. x ls. dense hard.
 No. odd, sh. 5m + 2' 1/2' 15. 15. 15. 15.
 ls. 9m - thin, sh. x ls. dense hard.
 No. odd, sh. 5m + 2' 1/2' 15. 15. 15. 15.

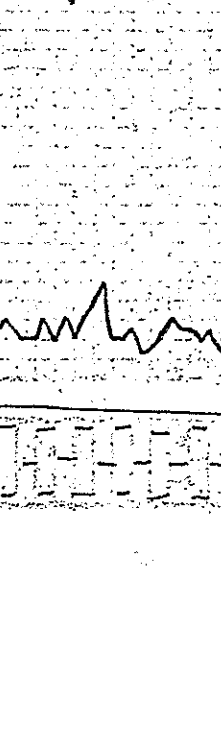
10
 20
 30
 40
 50



ls. 9m - thin, sh. x ls. dense hard.
 No. odd, sh. 5m + 2' 1/2' 15. 15. 15. 15.
 ls. 9m - thin, sh. x ls. dense hard.
 No. odd, sh. 5m + 2' 1/2' 15. 15. 15. 15.

ls. 9m - thin, sh. x ls. dense hard.
 No. odd, sh. 5m + 2' 1/2' 15. 15. 15. 15.

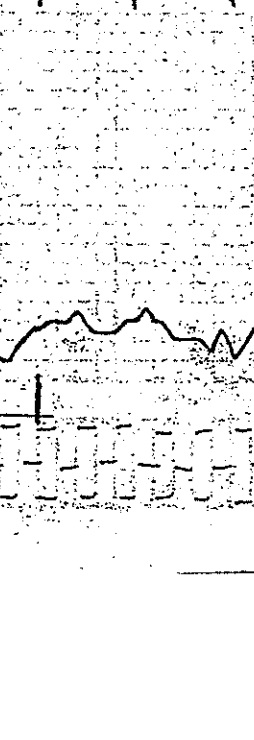
60
 70
 80
 90



Mud ✓ @ 390'
 wt. - 9.0
 vis - 50
 WL - 7.2
 CAL - 4,000
 LCM - 2#

ls. 9m - thin, sh. x ls. dense hard.
 No. odd, sh. 5m + 2' 1/2' 15. 15. 15. 15.

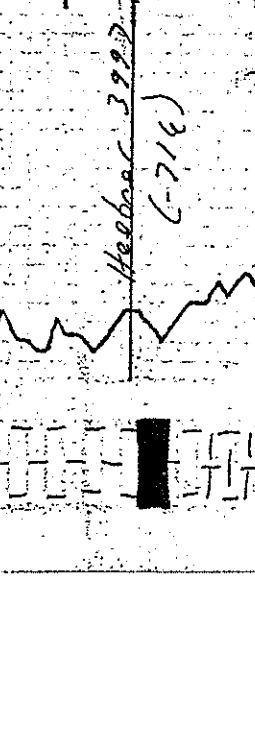
4000



ls. 9m - thin, sh. x ls. dense hard.
 No. odd, sh. 5m + 2' 1/2' 15. 15. 15. 15.

ls. 9m - thin, sh. x ls. dense hard.
 No. odd, sh. 5m + 2' 1/2' 15. 15. 15. 15.

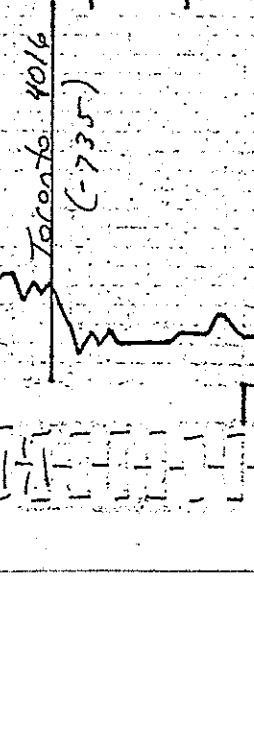
10
 20
 30
 40



ls. 9m - thin, sh. x ls. dense hard.
 No. odd, sh. 5m + 2' 1/2' 15. 15. 15. 15.

ls. 9m - thin, sh. x ls. dense hard.
 No. odd, sh. 5m + 2' 1/2' 15. 15. 15. 15.

50
 60



DST # 2 8036' - 4100'
 20-30-30-30
 Rec. 550' m.w. (65' to 30' to m)
 IF-8.0.0.0-7" "
 FF-8.0.0.0-11" "
 M. Return

ls. 9m - thin, sh. x ls. dense hard.
 No. odd, sh. 5m + 2' 1/2' 15. 15. 15. 15.

10
 20
 30
 40



HP-2064 # 1737 #
 IFR-33 # 174 # IFR-17 # 264 #
 ISEP-1130 # IFR-111 #

70	low density, 1/2 x 1/2
80	low density, 1/2 x 1/2
90	low density, 1/2 x 1/2
4100	low density, 1/2 x 1/2
10	low density, 1/2 x 1/2
20	low density, 1/2 x 1/2
30	low density, 1/2 x 1/2
40	low density, 1/2 x 1/2
50	low density, 1/2 x 1/2
60	low density, 1/2 x 1/2
70	low density, 1/2 x 1/2
80	low density, 1/2 x 1/2
90	low density, 1/2 x 1/2
4200	low density, 1/2 x 1/2
10	low density, 1/2 x 1/2
20	low density, 1/2 x 1/2
30	low density, 1/2 x 1/2

DST # 3 4205-4277
 Rec: 30 mtd
 FF-1/2
 FF-Dead
 N. Return

Mud Creek
 4277 (-973)

IFP-23 # 32 # FFP-23 # 41 #
 ISEP-1094 # FSEP-1040 #

dry, comp. sh., 90% v. sh., 10% s.s., 10%
 dense, 10% s.s., 10% v. sh., 10% s.s., 10%

Mud v @ 4250'

wt. - 9.4
 vis - 5.1
 chl - 8.0
 com - 2 #

dry, comp. sh., 90% v. sh., 10% s.s., 10%

dry, comp. sh., 90% v. sh., 10% s.s., 10%

dry, AA

dry, comp. sh., 90% v. sh., 10% s.s., 10%

dry, comp. sh., 90% v. sh., 10% s.s., 10%

dry, comp. sh., 90% v. sh., 10% s.s., 10%

sh, dkk carb

dry, comp. sh., 90% v. sh., 10% s.s., 10%

dry, comp. sh., 90% v. sh., 10% s.s., 10%

dry, comp. sh., 90% v. sh., 10% s.s., 10%

dry, comp. sh., 90% v. sh., 10% s.s., 10%

dry, AA

dry, comp. sh., 90% v. sh., 10% s.s., 10%

sh, dkk carb

dry, AA

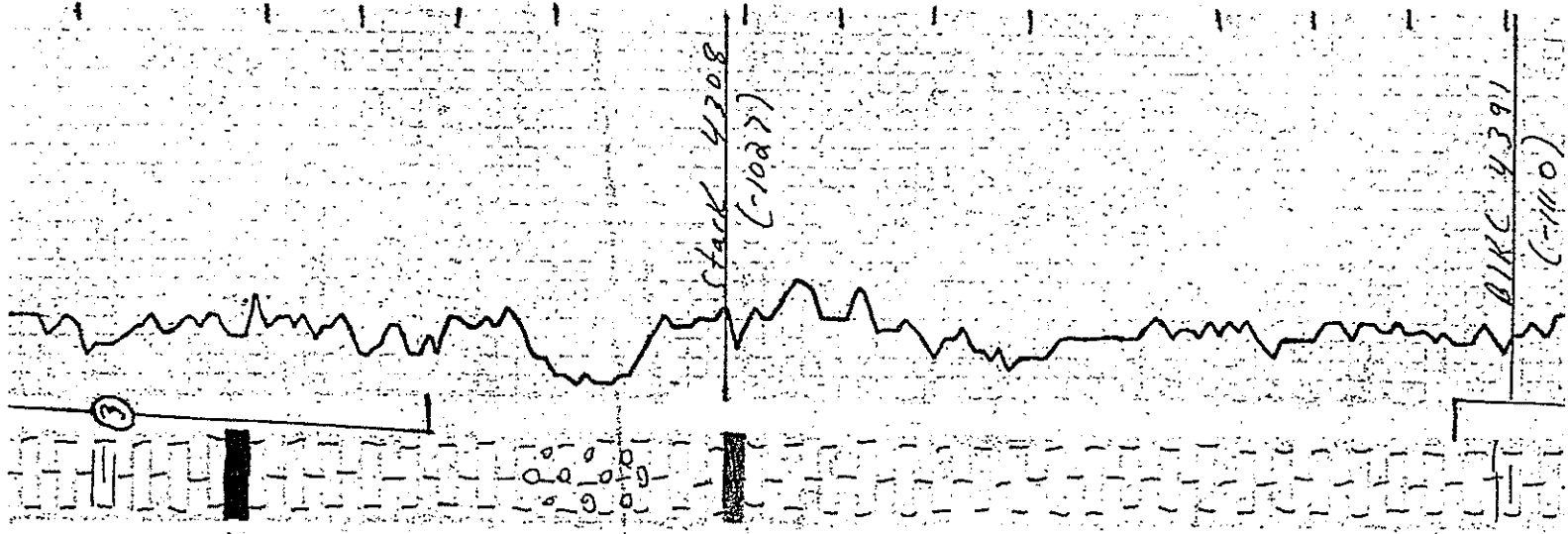
40
 50
 60
 70
 80
 90
 4700
 10
 20
 30
 40
 50
 60
 70
 80
 90

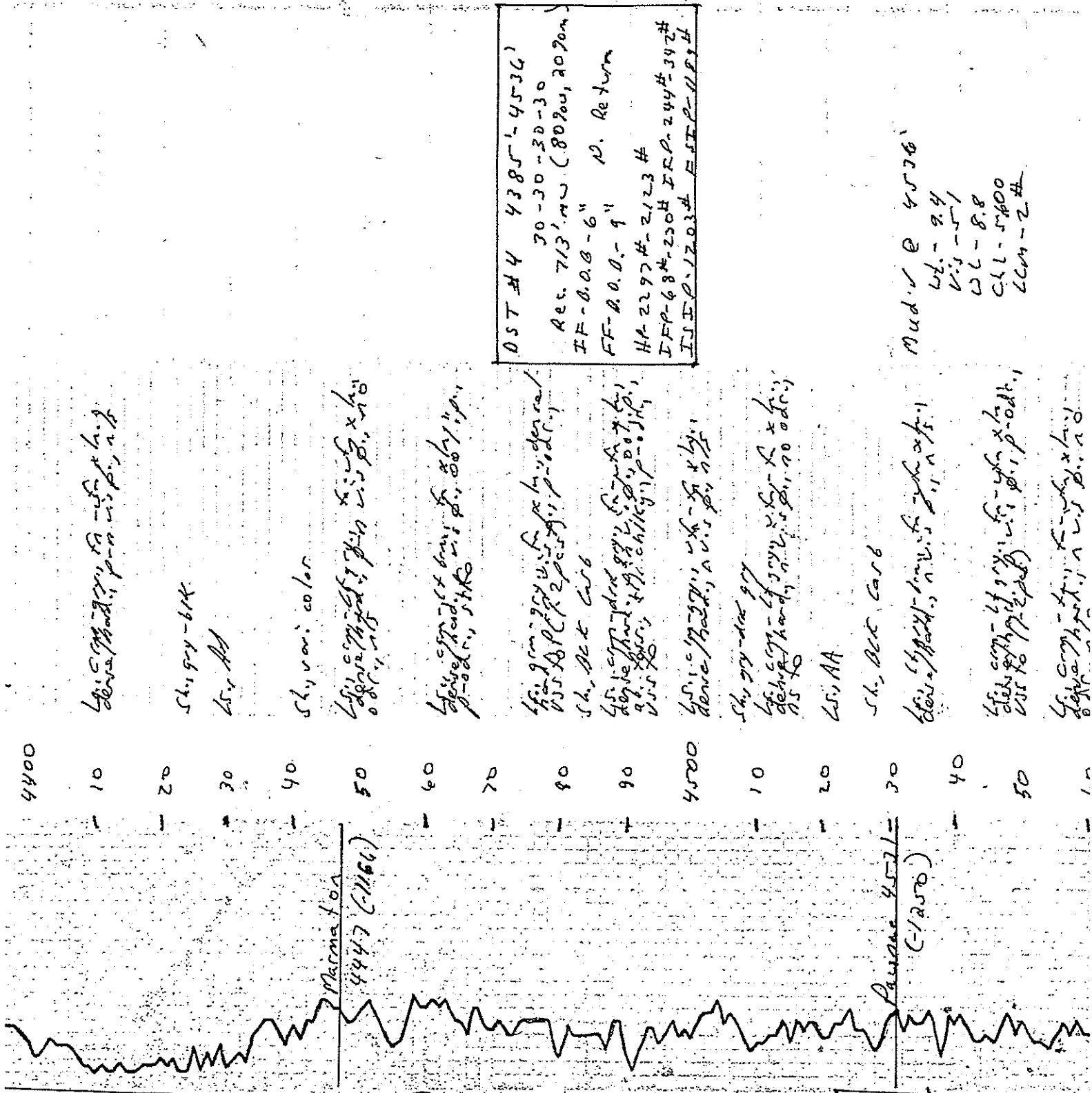
Stack 4708

(-1027)

DKC 4391

(-1110)





DST #4 4385'-4536'
 Rec. 713' MW (80% oil, 20% gas)
 FF-B.O.B-6" N. Return
 FF-A.O.D.-9"
 HA-2297#-2123#
 JFP-68#-250# I.R.P.-244#-342#
 I.S.P.-1203# F.F.P.-1189#

Mud. v @ 4526'
 Wd. - 2.4
 V. - 5.1
 CL - 8.8
 CL - 5.600
 CLM - 2#

4400
 - 10
 - 20
 - 30
 - 40
 - 50
 - 60
 - 70
 - 80
 - 90
 4500

Marmaton
 4447 (-1166)

Pawnee 4527
 (-1250)

ls, var. color, p. n. v. s. p. x h. s.

Sh, gray-blue
 ls, AA

Sh, var. color

ls, var. color, p. n. v. s. p. x h. s.

ls, var. color, p. n. v. s. p. x h. s.

ls, var. color, p. n. v. s. p. x h. s.

ls, var. color, p. n. v. s. p. x h. s.

ls, var. color, p. n. v. s. p. x h. s.

ls, var. color, p. n. v. s. p. x h. s.

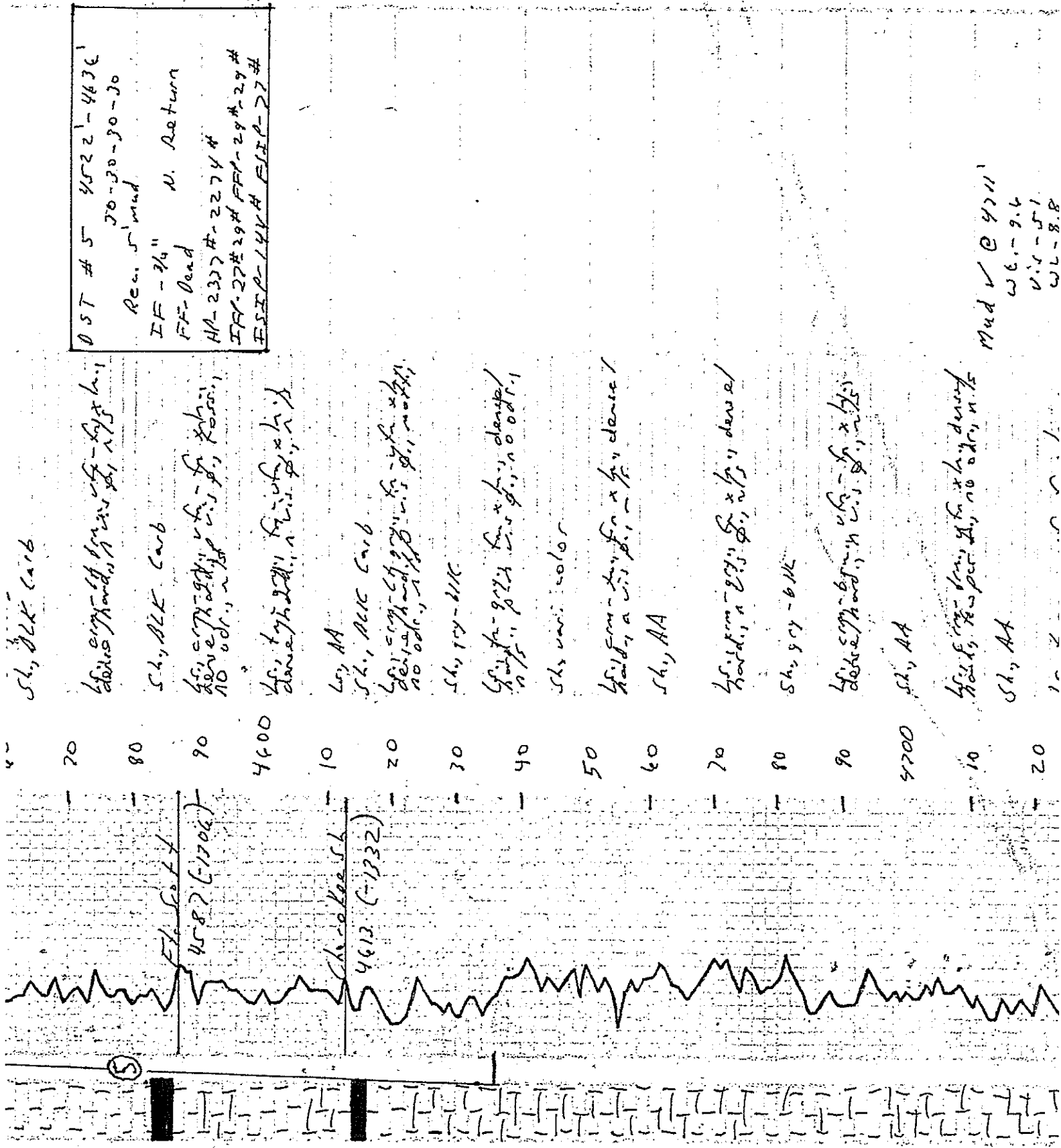
ls, AA

Sh, Blue Carb

ls, var. color, p. n. v. s. p. x h. s.

ls, var. color, p. n. v. s. p. x h. s.

ls, var. color, p. n. v. s. p. x h. s.



DST # 5 45221-4636
 30-30-30-30
 Rec. 5' mud
 IF - 2 1/4" N. Return
 FF - lead
 HA - 2327 # - 2274 #
 FFA - 27 # 29 # FFA - 29 # 29 #
 FFA - 144 # FFA - 27 #

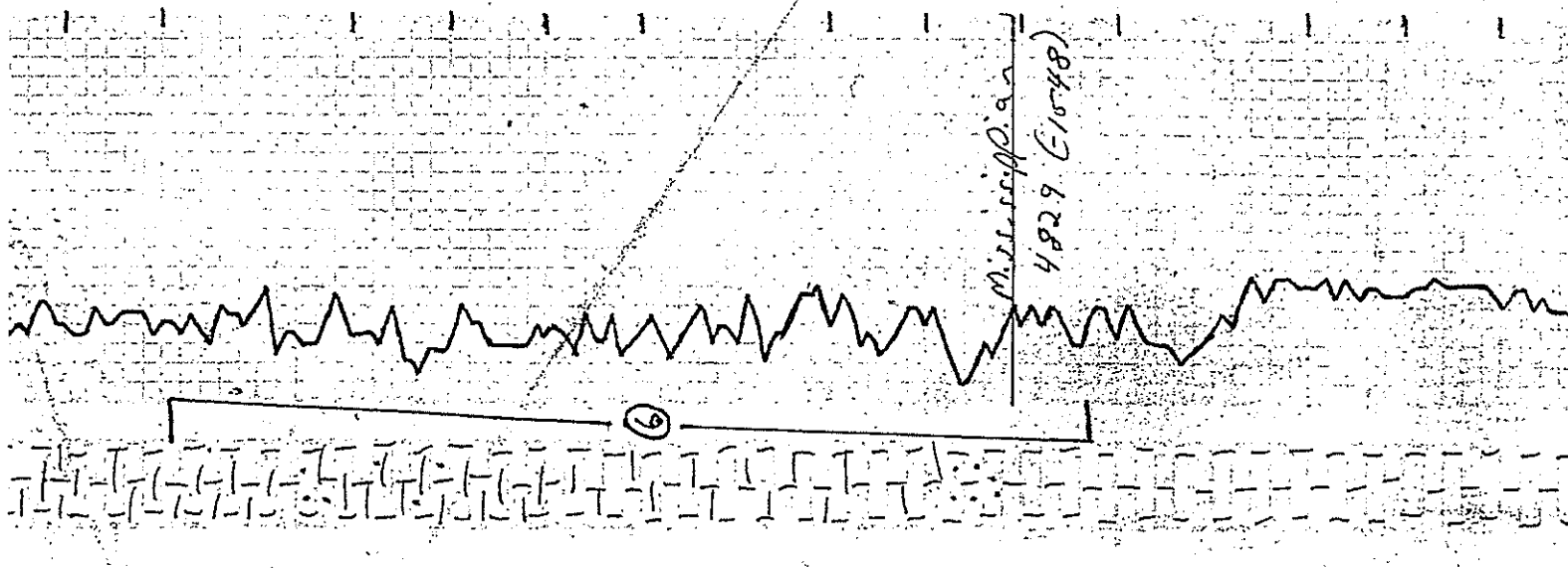
Sh, blk carb
 dense, hard, thin, x-fine, x-ls
 20
 Sh, blk carb
 dense, hard, thin, x-fine, x-ls
 80
 Sh, blk carb
 dense, hard, thin, x-fine, x-ls
 90
 4600
 Sh, blk carb
 dense, hard, thin, x-fine, x-ls
 10
 Sh, blk carb
 dense, hard, thin, x-fine, x-ls
 20
 Sh, blk carb
 dense, hard, thin, x-fine, x-ls
 30
 Sh, blk carb
 dense, hard, thin, x-fine, x-ls
 40
 Sh, blk carb
 dense, hard, thin, x-fine, x-ls
 50
 Sh, blk carb
 dense, hard, thin, x-fine, x-ls
 60
 Sh, blk carb
 dense, hard, thin, x-fine, x-ls
 70
 Sh, blk carb
 dense, hard, thin, x-fine, x-ls
 80
 Sh, blk carb
 dense, hard, thin, x-fine, x-ls
 90
 4700
 Sh, blk carb
 dense, hard, thin, x-fine, x-ls
 10
 Sh, blk carb
 dense, hard, thin, x-fine, x-ls
 20

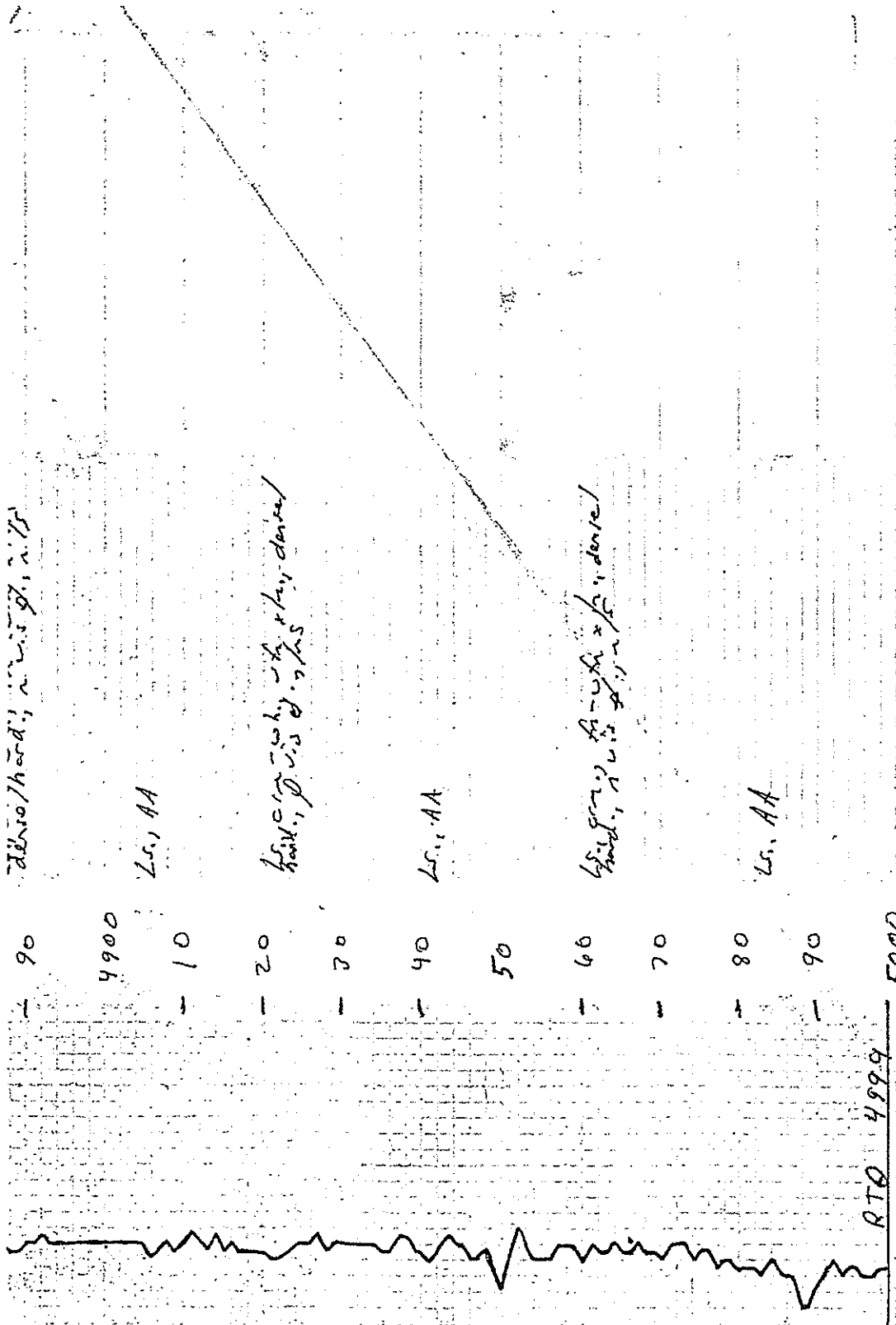
Mud ✓ @ 4711
 W.C. - 9.4
 W.L. - 5.1
 W.L. - 8.8

Chl-6, 200
LCM-1#

30 Sh, AA
 40 Sh, AA
 50 Sh, AA
 60 Sh, AA
 70 Sh, AA
 80 Sh, AA
 90 Sh, AA
 4800 Sh, AA
 10 Sh, AA
 20 Sh, AA
 30 Sh, AA
 40 Sh, AA
 50 Sh, AA
 60 Sh, AA
 70 Sh, AA
 80 Sh, AA

AST # 6 4741-4827
 20-30-30-30
 Rev 20. mod.
 #F-1 1/2" M. Return
 #F-1 3/4"
 HP-2512#-2391#
 FF-42#-46# FF-43#-48#
 ESTP-28# ESTP-58#





deno/heard; n. vis. g., n. h.

LS, AA

LS, AA
 LS, AA
 LS, AA

LS, AA

LS, AA
 LS, AA
 LS, AA

LS, AA

RTQ 4999

(1718)

