



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

Invoice

DATE	INVOICE #
1/28/2015	28276

BILL TO

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

RECEIVED

JAN 31 2015

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Harold Mich...	Logan	WW Drilling	Oil	Development	5-1/2" LongString	Jason
PRICE REF.	DESCRIPTION							
575D	Mileage - 1 Way							
578D-L	Pump Charge - Long String							
403-5	5 1/2" Cement Basket							
404-5	5 1/2" Port Collar							
406-5	5 1/2" Latch Down Plug & Baffle							
407-5	5 1/2" Insert Float Shoe With Auto Fill							
409-5	5 1/2" Turbolizer							
419-5	5 1/2" Rotating Head Rental							
281	Mud Flush							
221	Liquid KCL (Clayfix)							
276	Flocele							
283	Salt							
284	Calseal							
285	CFR-1							
290	D-Air							
325	Standard Cement							
330	Swift Multi-Density Standard (MIDCON II)							
581D	Service Charge Cement							
583D	Drayage							
		Subtotal						14,368.00
		Sales Tax Logan County					7.65%	816.45
							Total	\$15,184.45

Thank You For Your Business In 2014!
We Look Forward To Serving You In 2015!



CHARGE TO: **PALOMINO PETROLEUM**
 ADDRESS:
 CITY, STATE, ZIP CODE:

TICKET 28276

PAGE 1 OF 2

1. SERVICE LOCATIONS: **NESS CITY, KS.** WELL/PROJECT NO.: **TRUST #1** LEASE: **HAROLD MICHAELIS** COUNTY/PARISH: **LOGAN** STATE: **KS.** CITY: **PENCE, KS.** DATE: **28 JAN 15** OWNER:
 2. TICKET TYPE: SERVICE SALES CONTRACTOR: **WW DRGL #2** RIG NAME/NO.: SHIPPED VIA: DELIVERED TO: ORDER NO.:
 3. WELL TYPE: **OIL** WELL CATEGORY: **DEVELOPMENT** JOB PURPOSE: **52 LONGSTRING** WELL PERMIT NO.: WELL LOCATION: **10W, 5N, E/S INTO**
 4. REFERRAL LOCATION: INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
75					MILEAGE #115	100		ML		6.00	600.00
578					Pump CHARGE	1		JOB		1500.00	1500.00
403					CEMENT BASKETS	2		EA		300.00	600.00
404					PORT COLLAR	1		EA		2900.00	2900.00
406					LATCH DOWN PLUG & BAFFLE	1		EA		275.00	275.00
407					INSERT FLOAT SHADE w/FILL	1		EA		375.00	375.00
409					TURBOLIZERS	12		EA		90.00	1080.00
419					ROTATING HEAD RENTAL	1		JOB		200.00	200.00
281					MUD FLUSH	500		YAL		1.25	625.00
221					LIQUID KCL	4				25.00	100.00

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 *Alan Dunkel*
 DATE SIGNED: **28 JAN 15** TIME SIGNED: **0915** A.M. 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	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				1	8255.00
WE UNDERSTOOD AND MET YOUR NEEDS?				2	6113.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				sub total	14368.00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Logan TAX 7.65%	810.45
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	15,184.45
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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

SWIFT OPERATOR: *A. Erath* APPROVAL:

Thank You!



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

Invoice

DATE	INVOICE #
2/9/2015	28282

BILL TO

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

RECEIVED

FEB 14 2015

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Harold Mich...	Logan	Express Well Serv...	Oil	Development	Cement Port Collar	Jason
PRICE REF.	DESCRIPTION							AMOUNT
575D		Mileage - 1 Way			100	Miles	5.00	500.00
576D-D		Pump Charge - Port Collar			1	Job	1,250.00	1,250.00
105		Port Collar Tool Rental With Man			1	Each	275.00	275.00T
276		Flocele			58	Lb(s)	2.25	130.50T
290		D-Air			2.5	Gallon(s)	42.00	105.00T
330		Swift Multi-Density Standard (MIDCON II)			220	Sacks	15.75	3,465.00T
581D		Service Charge Cement			300	Sacks	1.50	450.00
583D		Drayage			1,493.75	Ton Miles	0.75	1,120.31
		Subtotal					7.65%	7,295.81
		Sales Tax Logan County						304.13
							Total	\$7,599.94

We Appreciate Your Business!



CHARGE TO: **PALOMINO PETROLEUM**
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 28282

PAGE 1 OF

SERVICE LOCATIONS 1. NESS CITY, KS	WELL/PROJECT NO. TRUST #1	LEASE HAROLD MICHAELIS	COUNTY/PARISH LOGAN	STATE KS.	CITY PENCE, KS.	DATE 9 FEB 15	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR EXPRESS WELL SERV.	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE CEMENT PORT COLLAR	WELL PERMIT NO.	WELL LOCATION 10W 4N EFWO		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
75					MILEAGE #115	100		MIL		5.00	500.00
578 576					Pump CHARGE	1		JOB		1250.00	1250.00
105					PORT COLLAR OPENING TOOL	1		JOB		275.00	275.00
276					FLOCELE	58		lbs		2.35	130.50
290					D-AIR	2 1/2		gal		42.00	105.00
330					SMD CEMENT	220		bx		15.75	3465.00
581					CEMENT SERVICE CHARGE	300		bx		1.50	450.00
583					DRAYAGE	29875		lbs	1493.75	75	1120.31

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

[Signature]
 DATE SIGNED **9 FEB 15** TIME SIGNED **7:45** A.M. 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	PAGE TOTAL	7295.81
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Logan TAX 7.65%	304.13
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	7599.94
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

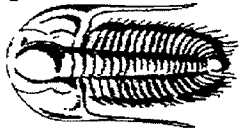
JOB LOG

SWIFT Services, Inc.

DATE 9 FEB 83 PAGE NO.

CUSTOMER TAMMUND PETROLEUM WELL NO. TRUST #1 LEASE HIRSH MICHAELIS JOB TYPE CEMENT PORT COLLAR TICKET NO. 28282

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1130							ON LOCATION
	1214			✓		1000		TEST
	1216							OPEN PORT COLLAR
	1257	4	122	✓		400		MIX 200 SX SMD
		3	13 1/2	✓				DISPLACE CEMENT
								CIRCULATE 20 SX TO FIT
	1331			✓		1000		CLOSE PORT COLLAR - TEST - HELD
	1337							RUN 4575.
	1340	4	23	✓		300		REVERSE CLEAN
	1348							WASH TRAIL
	1415							SDB COMPLETE.
								THANKS # 115
								SASON DAVE COLE CRAIG



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th St
 New ton, KS 67114
 ATTN: Andrew Stenzel

30-15-35w Logan, KS
Harold Michatelis Fa
 Job Ticket: 59683 **DST#:1**
 Test Start: 2015.01.19 @ 20:25:58

GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:23:58
 Time Test Ended: 02:34:28
Interval: 3951.00 ft (KB) To 3998.00 ft (KB) (TVD)
 Total Depth: 3998.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

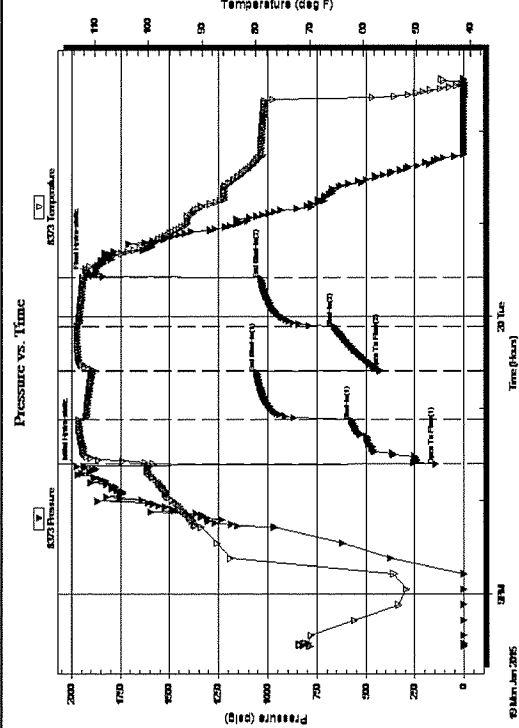
Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 3239.00 ft (KB)
 3233.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8373

Press@RunDepth: 660.62 psig @ 3956.00 ft (KB)
 Start Date: 2015.01.19 End Date:
 Start Time: 20:26:03 End Time:

Capacity: 8000.00 psig
 Last Calib.: 2015.01.20
 Time On Btm: 2015.01.19 @ 22:22:28
 Time Off Btm: 2015.01.20 @ 00:26:28

TEST COMMENT: IF: BOB in 2 min.
 IS: No return.
 FF: BOB in 3 min.
 FS: No return.



PRESSURE SUMMARY

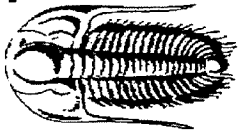
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1974.26	100.14	Initial Hydro-static
2	144.24	99.05	Open To Flow (1)
31	576.76	113.04	Shut-In(1)
62	1056.87	110.35	End Shut-In(1)
62	428.50	110.07	Open To Flow (2)
91	660.62	113.35	Shut-In(2)
123	1036.29	112.13	End Shut-In(2)
124	1915.86	110.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
806.00	mcw 95%w 5% m	10.19
248.00	mcw 80%w 20% m	3.48
350.00	w cm 30%w 70% m	4.91

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114
ATTN: Andrew Stenzel

30-15-35w Logan, KS
Harold Michalelis Fa
Job Ticket: 59683 **DST#:1**
Test Start: 2015.01.19 @ 20:25:58

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 59.00 sec/qt
Water Loss: 6.40 in³
Resistivity: 0.00 ohm.m
Salinity: 4000.00 ppm
Filter Cake: 1.00 inches

Cushion Type: Oil API: 0 deg API
Cushion Length: ft Water Salinity: 36000 ppm
Cushion Volume: bbl
Gas Cushion Type: psig
Gas Cushion Pressure:

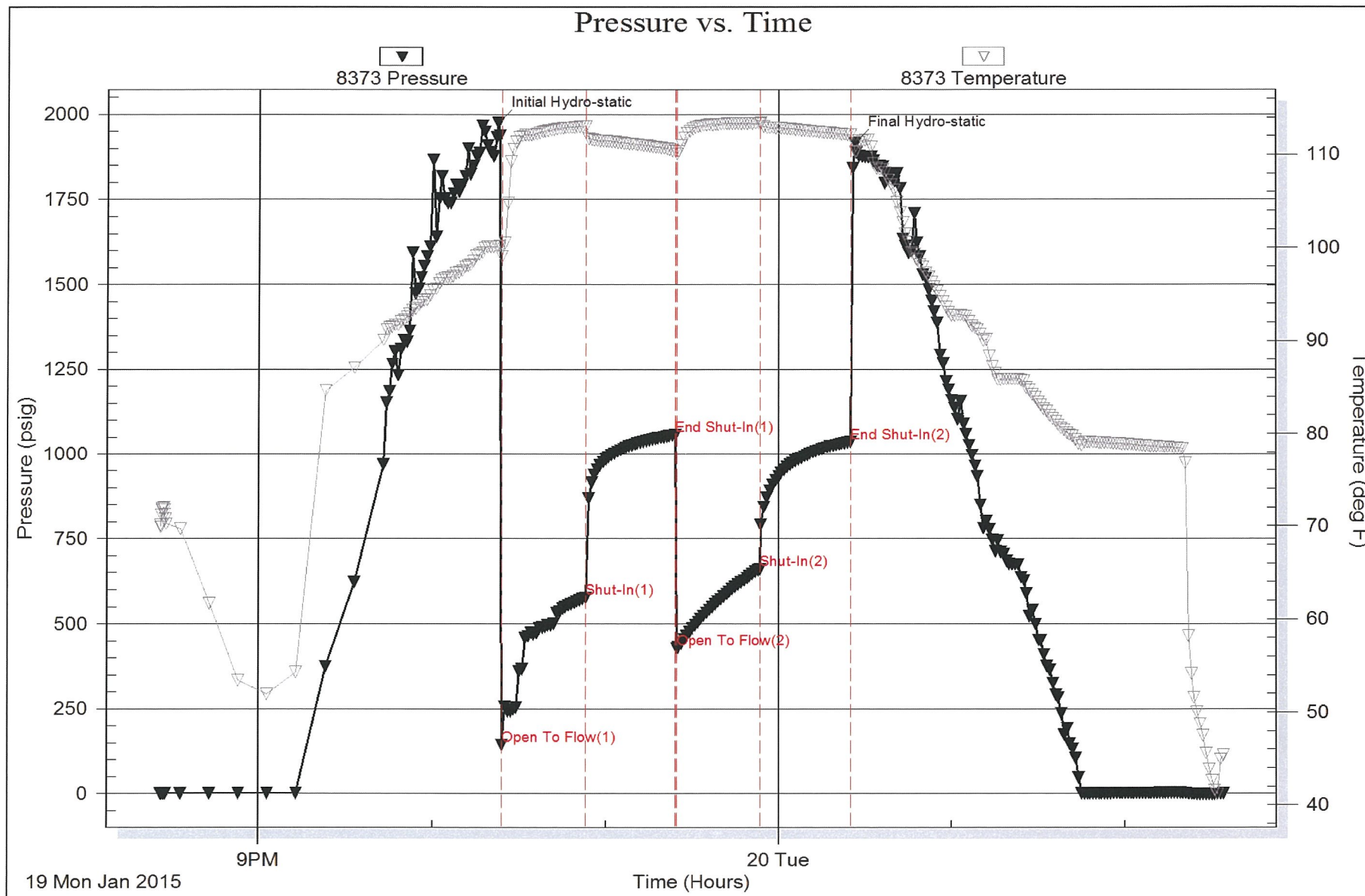
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
806.00	mcw 95%w 5% <i>m</i>	10.195
248.00	mcw 80%w 20% <i>m</i>	3.479
350.00	w cm 30%w 70% <i>m</i>	4.910

Total Length: 1404.00 ft Total Volume: 18.584 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .22@63=36000





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114
ATTN: Andrew Stenzel

30-15-35w Logan, KS
Harold Michaelis Fa
Job Ticket: 59684 **DST#: 2**
Test Start: 2015.01.20 @ 09:48:59

GENERAL INFORMATION:

Formation: **Lansing A**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 11:14:59
Time Test Ended: 14:28:59
Interval: 3995.00 ft (KB) To 4035.00 ft (KB) (TVD)
Total Depth: 4035.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: **Good**
Test Type: **Conventional Bottom Hole (Reset)**
Tester: **Brandon Turley**
Unit No: **79**
Reference Elevations: 3239.00 ft (KB)
3233.00 ft (CF)
6.00 ft
KB to GR/CF:

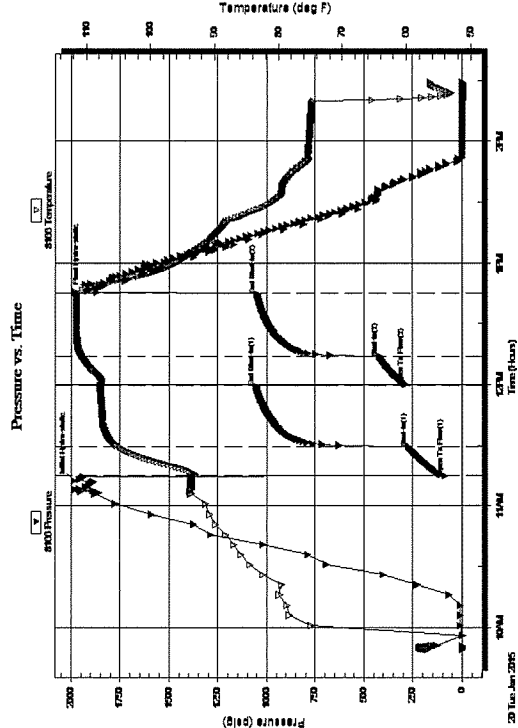
Serial #: 8166 Outside

Press@RunDepth: 420.24 psig @ 4000.00 ft (KB)
Start Date: 2015.01.20 End Date:
Start Time: 09:49:04 End Time:

Capacity: 8000.00 psig
Last Calib.: 2015.01.20
Time On Btm: 2015.01.20 @ 11:12:29
Time Off Btm: 2015.01.20 @ 12:45:59

TEST COMMENT:

IF: BOB in 2 min.
IS: No return.
FF: BOB in 3 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1994.50	93.66	Initial Hydro-static
3	88.11	93.16	Open To Flow (1)
17	274.39	104.79	Shut-in(1)
47	1056.41	107.82	End Shut-in(1)
48	289.05	107.60	Open To Flow (2)
62	420.24	110.46	Shut-in(2)
93	1050.49	111.49	End Shut-in(2)
94	1915.23	111.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bb)
496.00	water 100%w	5.85
186.00	mcw 90%w 10% m	2.61
201.00	w cm 40%w 60% m	2.82

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114

30-15-35w Logan, KS
Harold Michaelis Fa
Job Ticket: 59684 **DST#: 2**
Test Start: 2015.01.20 @ 09:48:59

ATTN: Andrew Stenzel

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 7.99 in³
Resistivity: 0.00 ohm.m
Salinity: 6000.00 ppm
Filter Cake: 1.00 inches

Cushion Type: Oil API: 0 deg API
Cushion Length: ft Water Salinity: 40000 ppm
Cushion Volume: bbl
Gas Cushion Type: psig
Gas Cushion Pressure:

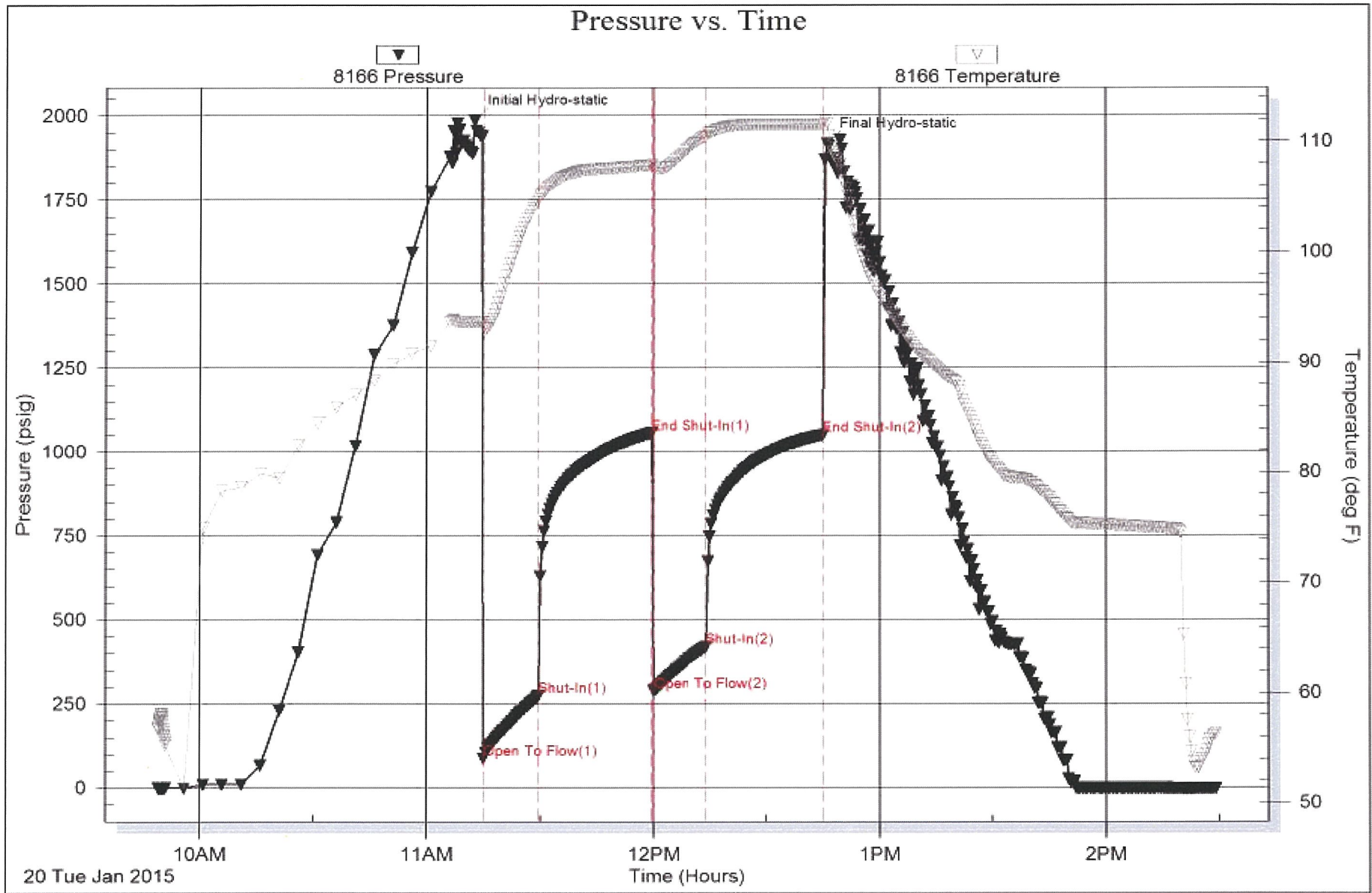
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
496.00	water 100%w	5.846
186.00	mcw 90%w 10% <i>m</i>	2.609
201.00	w cm 40%w 60% <i>m</i>	2.820

Total Length: 883.00 ft Total Volume: 11.275 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: :21@62=40000





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th St
 New ton, KS 67114
 ATTN: Andrew Stenzel

30-15-35w Logan, KS
Harold Michaelis Fa
 Job Ticket: 59685 **DST#: 3**
 Test Start: 2015.01.20 @ 21:48:38

GENERAL INFORMATION:

Formation: **Lansing C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:39:38
 Time Test Ended: 03:08:08
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Interval: **4032.00 ft (KB) To 4062.00 ft (KB) (TVD)**
 Total Depth: 4062.00 ft (KB) (TVD)
 Reference Elevations: 3239.00 ft (KB)
 3233.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good
 KB to GR/CF: 6.00 ft

Serial #: 8166

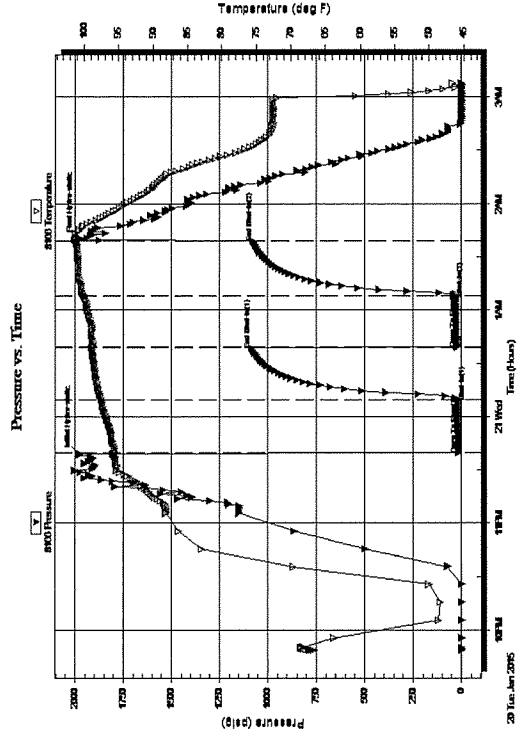
Outside

Press@RunDepth: 29.32 psig @ 4033.00 ft (KB)
 Start Date: 2015.01.20 End Date:
 Start Time: 21:48:43 End Time:

Capacity: 8000.00 psig
 Last Calib.: 2015.01.21
 Time On Btm: 2015.01.20 @ 23:39:08
 Time Off Btm: 2015.01.21 @ 01:40:08

TEST COMMENT: IF: Surface blow died in 15 min.

IS: No return.
 FF: No blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1977.38	95.86	Initial Hydro-static
1	15.15	95.32	Open To Flow (1)
31	21.50	97.47	Shut-in(1)
60	1082.57	98.90	End Shut-in(1)
60	22.81	98.64	Open To Flow (2)
89	29.32	100.03	Shut-in(2)
120	1074.95	101.14	End Shut-in(2)
121	1966.77	101.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100% m	0.05

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114
ATTN: Andrew Stenzel

30-15-35w Logan, KS
Harold Michaelis Fa
Job Ticket: 59685 **DST#: 3**
Test Start: 2015.01.20 @ 21:48:38

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 7.99 in³
Resistivity: 0.00 ohm.m
Salinity: 6000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type: psig
Gas Cushion Pressure:

OII API: 0 deg API
Water Salinity: 0 ppm

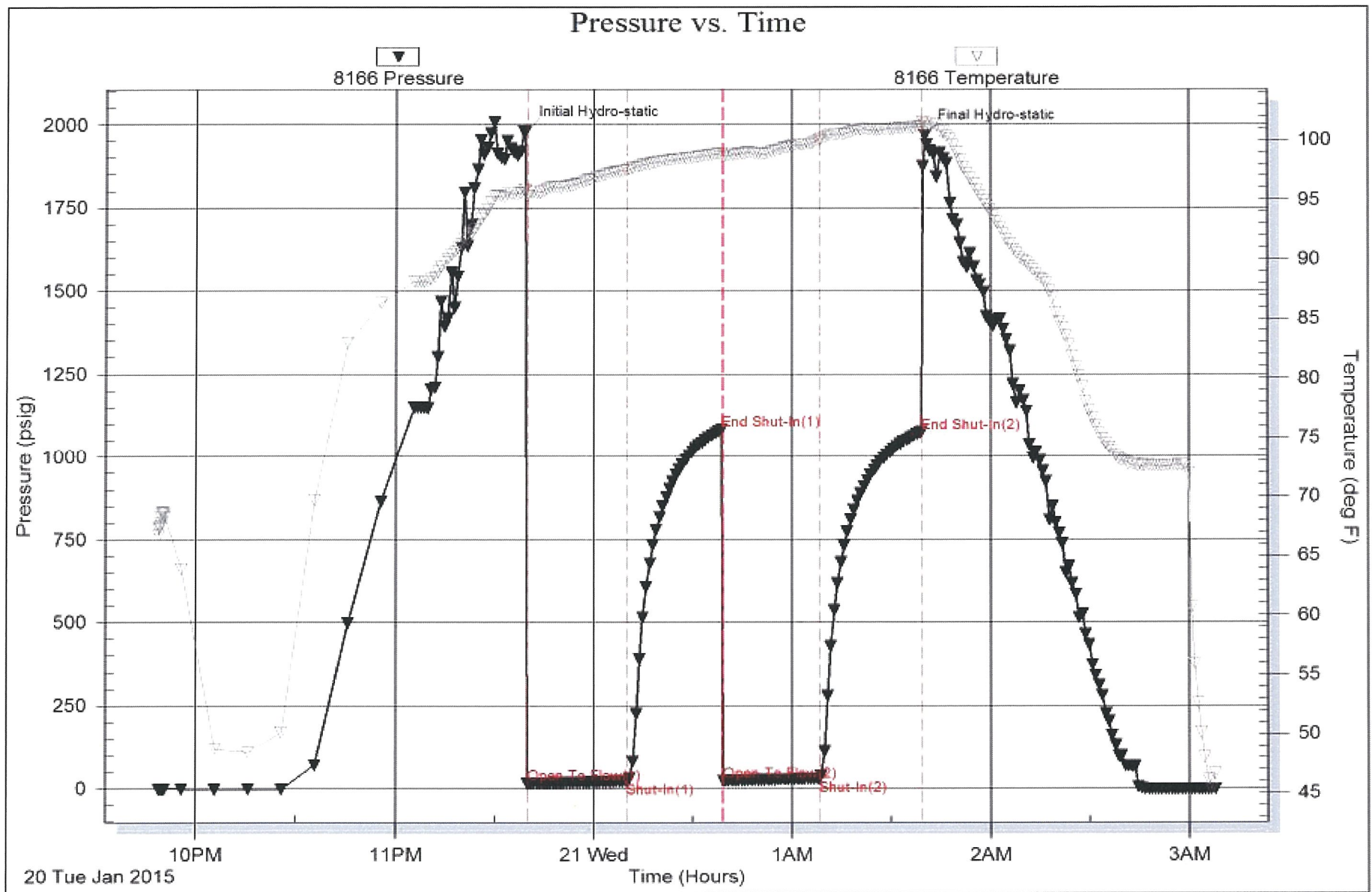
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th St
 New ton, KS 67114
 A/TN: Andrew Stenzel

30-15-35w Logan, KS
Harold Michalelis Fa
 Job Ticket: 59686 **DST#: 4**
 Test Start: 2015.01.21 @ 10:09:12

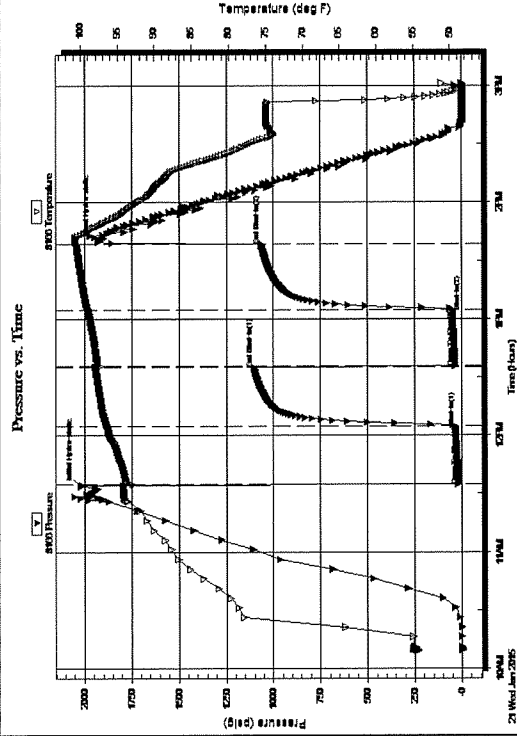
GENERAL INFORMATION:

Formation: **Lansing D**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:34:42
 Time Test Ended: 15:01:12
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Interval: **4054.00 ft (KB) To 4098.00 ft (KB) (TVD)**
 Total Depth: 4098.00 ft (KB) (TVD)
 Reference Elevations: 3239.00 ft (KB)
 3233.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good
 KB to GR/CF: 6.00 ft

Serial #: 8166

Outside
 Capacity: 8000.00 psig
 Press@RunDepth: 49.91 psig @ 4055.00 ft (KB)
 Start Date: 2015.01.21 End Date: 2015.01.21
 Start Time: 10:09:17 End Time: 15:01:11

TEST COMMENT: IF: Surface blow built to 1 1/4 in 30 min.
 IS: No return.
 FF: Surface blow built to 1 in 30 min.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2018.35	94.26	Initial Hydro-static
1	19.21	92.87	Open To Flow (1)
31	33.79	96.38	Shut-In(1)
62	1103.66	98.01	End Shut-In(1)
62	35.93	97.35	Open To Flow (2)
91	49.91	98.95	Shut-In(2)
125	1065.94	100.56	End Shut-In(2)
126	1928.30	100.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	mud 100% m	0.34

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114

30-15-35w Logan, KS

Harold Michaelis Fa

Job Ticket: 59686 **DST#: 4**

Test Start: 2015.01.21 @ 10:09:12

ATTN: Andrew Stenzel

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 47.00 sec/qt
Water Loss: 7.99 in³
Resistivity: 0.00 ohm.m
Salinity: 6000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type: psig
Gas Cushion Pressure:

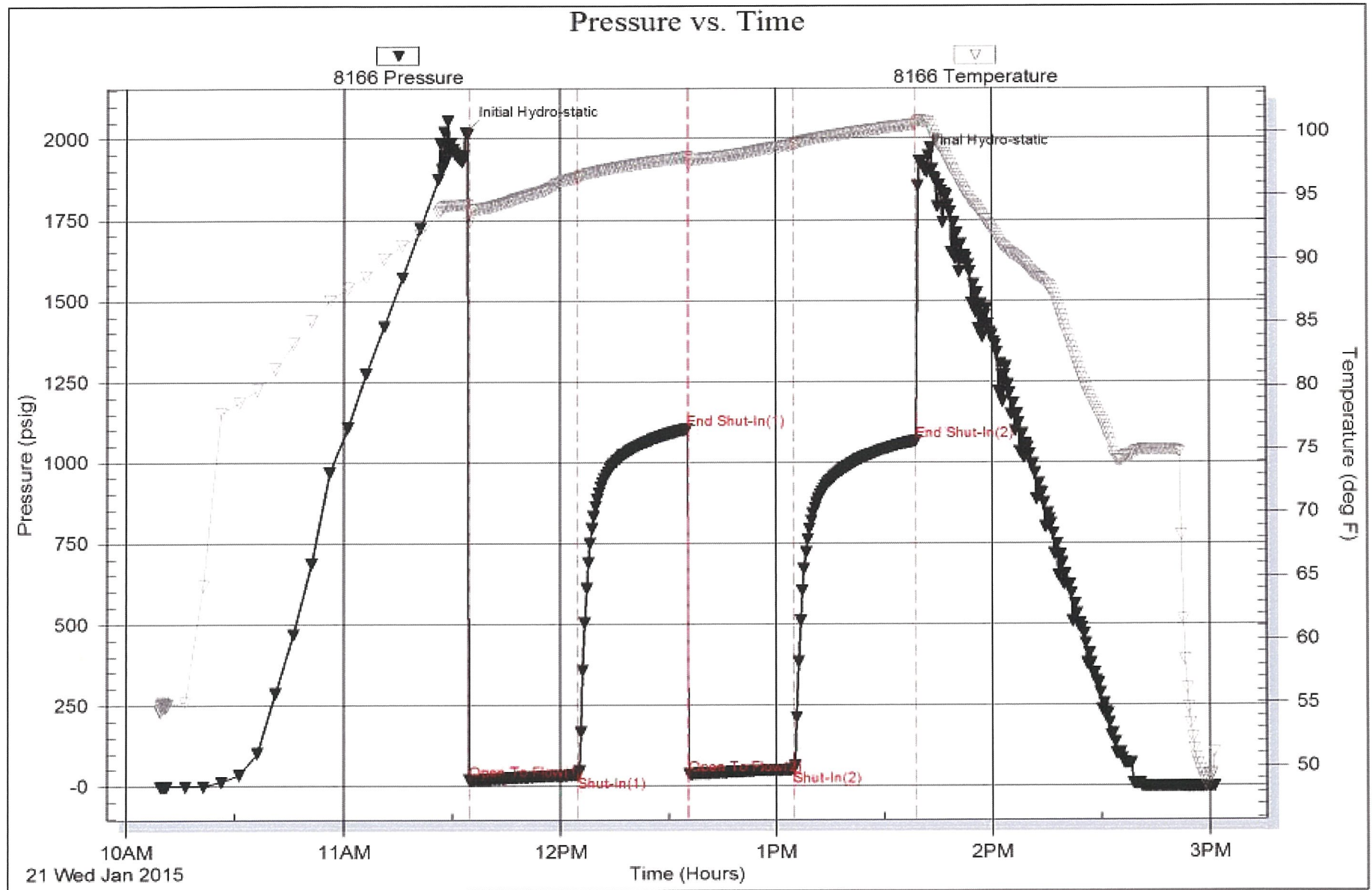
Oil API: 0 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	mud 100% _m	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th St
 Newton, KS 67114
 ATTN: Andrew Stenzel

30-15-35w Logan, KS
Harold Michalelis Fa
 Job Ticket: 59687 **DST#: 5**
 Test Start: 2015.01.21 @ 21:28:45

GENERAL INFORMATION:

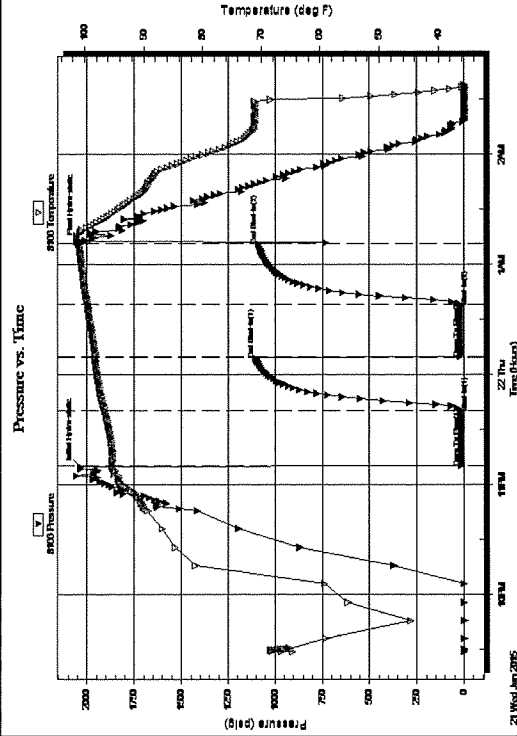
Formation: **Lansing E**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:10:15
 Time Test Ended: 02:38:15
 Interval: **4094.00 ft (KB) To 4116.00 ft (KB) (TVD)**
 Total Depth: 4116.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 3239.00 ft (KB)
 3233.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8166 Outside

Press@RunDepth: 22.40 psig @ 4095.00 ft (KB)
 Start Date: 2015.01.21 End Date:
 Start Time: 21:28:50 End Time:

Capacity: 8000.00 psig
 Last Calib.: 2015.01.22
 Time On Btm: 2015.01.21 @ 23:09:45
 Time Off Btm: 2015.01.22 @ 01:12:15

TEST COMMENT: IF: Surface blow died in 5 min.
 IS: No return.
 FF: No blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2036.06	95.38	Initial Hydro-static
1	15.65	95.20	Open To Flow (1)
31	18.66	96.57	Shut-In(1)
60	1105.03	98.28	End Shut-In(1)
60	18.88	98.03	Open To Flow (2)
89	22.40	99.48	Shut-In(2)
122	1089.99	100.94	End Shut-In(2)
123	2031.73	101.24	Final Hydro-static

Recovery

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

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
Newton, KS 67114

30-15-35w Logan, KS
Harold Michalelis Fa
Job Ticket: 59687 **DST#: 5**
Test Start: 2015.01.21 @ 21:28:45

ATTN: Andrew Stenzel

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 47.00 sec/qt
Water Loss: 7.99 in³
Resistivity: 0.00 ohm.m
Salinity: 6000.00 ppm
Filter Cake: 1.00 inches

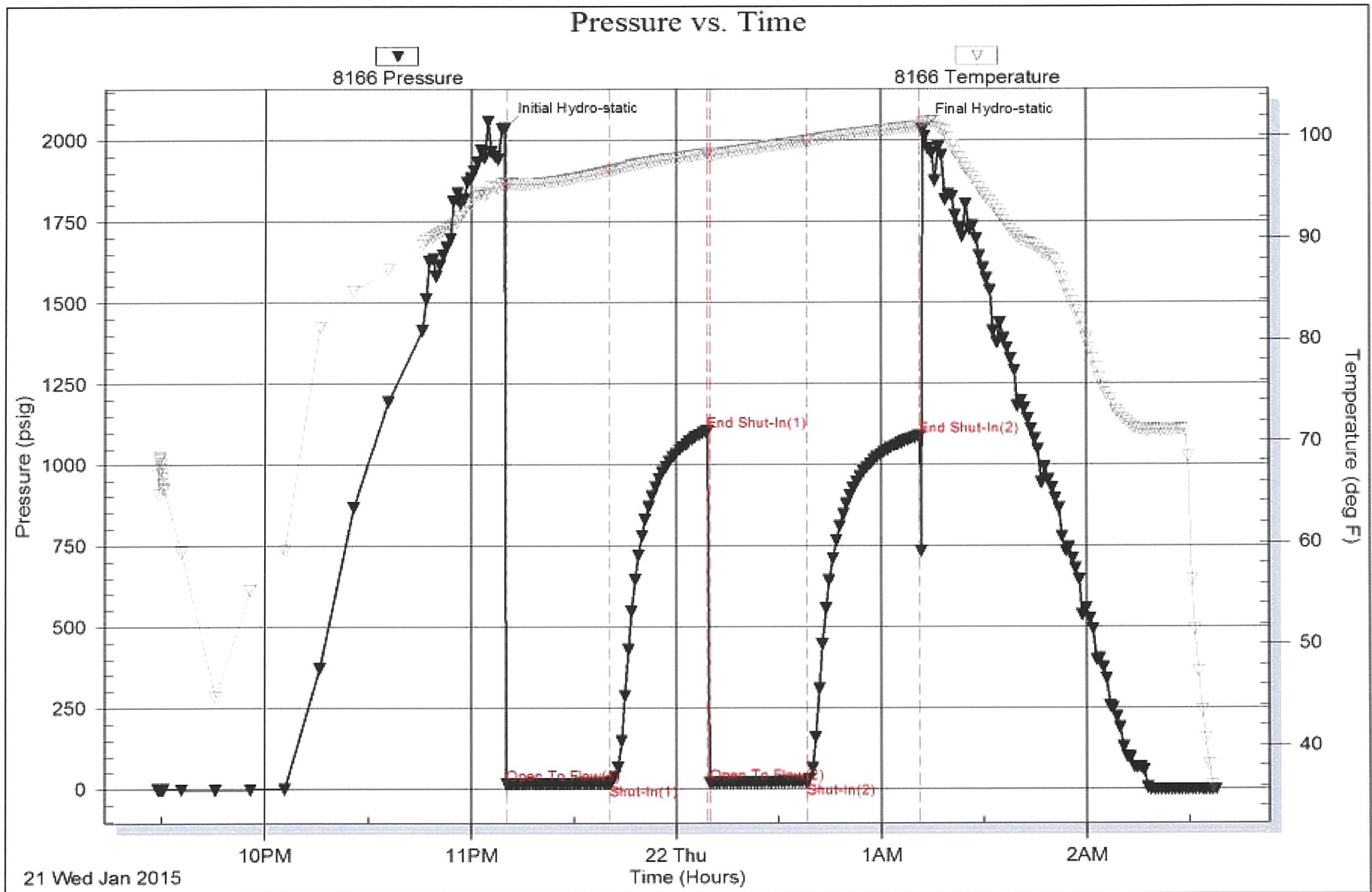
Cushion Type: Oil API: 0 deg API
Cushion Length: ft Water Salinity: 0 ppm
Cushion Volume: bbl
Gas Cushion Type: psig
Gas Cushion Pressure:

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:





TRIBOLITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114

30-15-35w Logan, KS
Harold Michaelis Fa

Job Ticket: 59688
DST#: 6
Test Start: 2015.01.22 @ 10:35:48

ATTN: Andrew Stenzel

GENERAL INFORMATION:

Formation: **Lansing F**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 13:24:18
Time Test Ended: 16:38:18
Interval: 4094.00 ft (KB) To 4146.00 ft (KB) (TVD)
Total Depth: 4146.00 ft (KB) (TVD)
Hole Diameter: 7.88 inchesHole Condition: Good

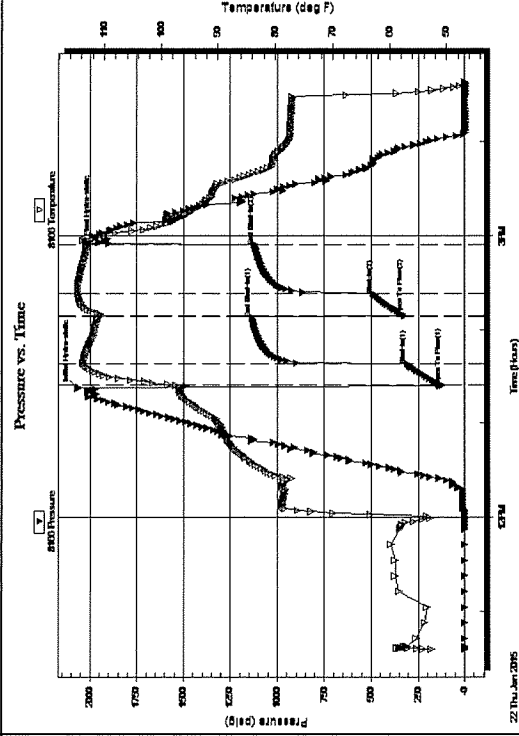
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 3239.00 ft (KB)
3233.00 ft (CF)
6.00 ft
KB to GR/CF:

Serial #: 8166 Outside

Press@RunDepth: 486.31 psig @ 4095.00 ft (KB)
Start Date: 2015.01.22 End Date:
Start Time: 10:35:53 End Time:

Capacity: 8000.00 psig
Last Calib.: 2015.01.22
Time On Btm: 2015.01.22 @ 13:22:18
Time Off Btm: 2015.01.22 @ 14:55:18

TEST COMMENT: IF: BOB in 2 min.
IS: No return.
FF: BOB in 3 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2069.70	96.92	Initial Hydro-static
2	119.29	97.52	Open To Flow (1)
16	304.96	113.63	Shut-In(1)
46	1133.91	111.16	End Shut-In(1)
47	322.14	110.45	Open To Flow (2)
61	486.31	114.67	Shut-In(2)
92	1120.06	113.05	End Shut-In(2)
93	1956.60	112.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
372.00	mcw 90%w 10% m	4.11
310.00	mcw 60%w 40% m	4.35
345.00	w cm oil spots 30%w 70% m	4.84

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
Newton, KS 67114

30-15-35w Logan, KS
Harold Michaelis Fa
Job Ticket: 59688 **DST#:6**
Test Start: 2015.01.22 @ 10:35:48

ATTN: Andrew Stenzel

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 66.00 sec/qt
Water Loss: 9.59 in³
Resistivity: 0.00 ohm.m
Salinity: 7400.00 ppm
Filter Cake: 2.00 inches

Cushion Type: Oil API: 0 deg API
Cushion Length: ft Water Salinity: 30000 ppm
Cushion Volume: bbl
Gas Cushion Type: psig
Gas Cushion Pressure:

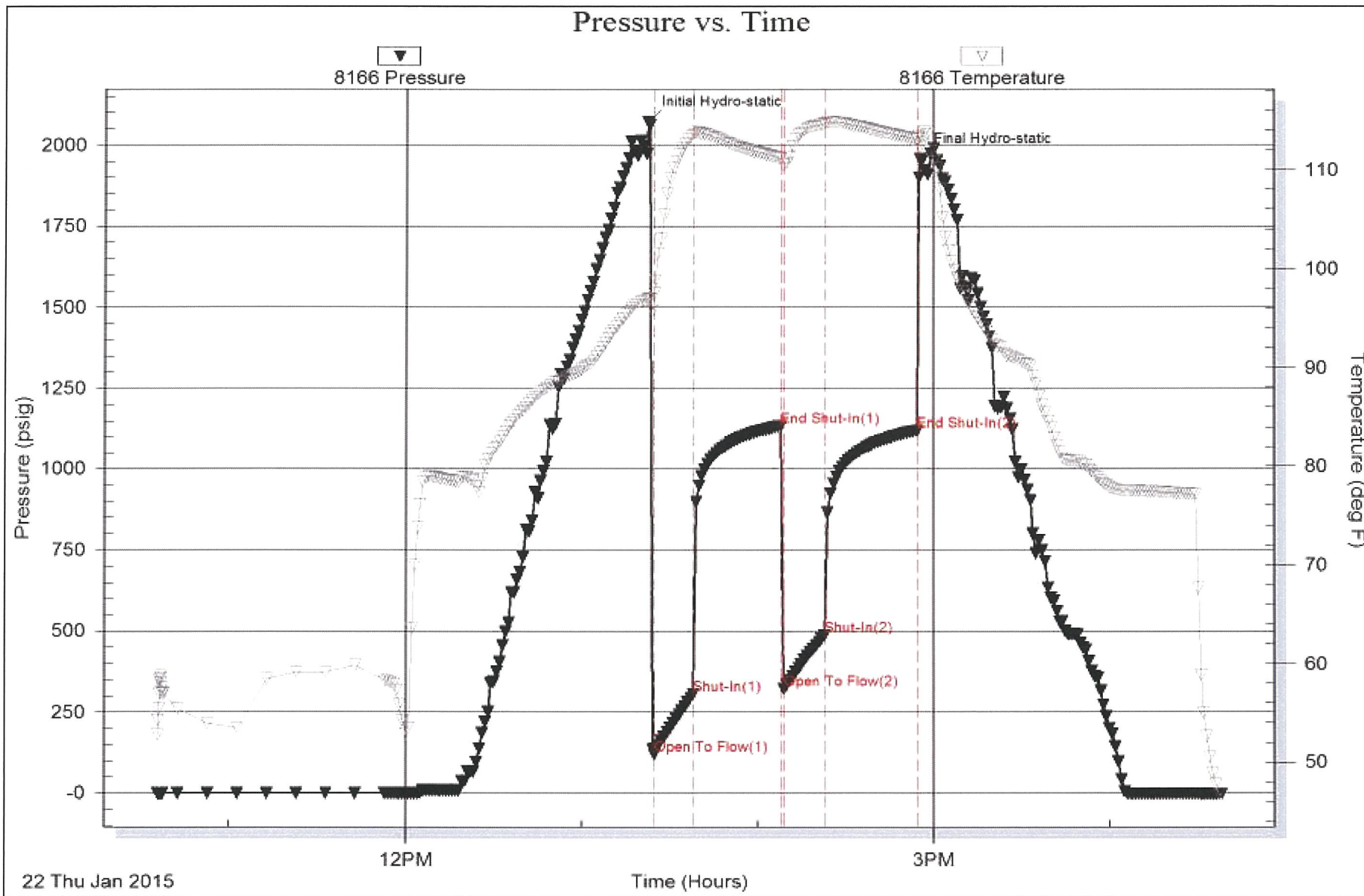
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
372.00	mcw 90%w 10% _m	4.107
310.00	mcw 60%w 40% _m	4.348
345.00	w cm oil spots 30%w 70% _m	4.839

Total Length: 1027.00 ft Total Volume: 13.294 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: :27@58=30000





DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th St
 Newton, KS 67114
 ATTN: Andrew Stenzel

30-15-35w Logan, KS
Harold Michaelis Fa
 Job Ticket: 59689 **DST#:7**
 Test Start: 2015.01.23 @ 01:44:01

GENERAL INFORMATION:

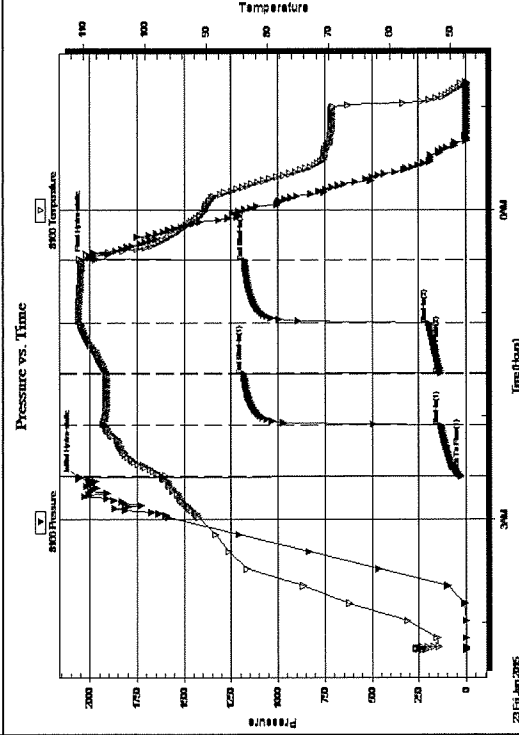
Formation: **G-H**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:25:01
 Time Test Ended: 07:14:01
Interval: 4152.00 ft (KB) To 4204.00 ft (KB) (TVD)
 Total Depth: 4204.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 3239.00 ft (KB)
 3233.00 ft (CF)
 6.00 ft

Serial #: 8166 Outside

Press@RunDepth: 196.36 psig @ 4153.00 ft (KB)
 Start Date: 2015.01.23 End Date:
 Start Time: 01:44:06 End Time:

Capacity: 8000.00 psig
 Last Calib.: 2015.01.23
 Time On Btm: 2015.01.23 @ 03:23:31
 Time Off Btm: 2015.01.23 @ 05:32:01

TEST COMMENT: IF: BOB in 16 min.
 IS: No return.
 FF: BOB in 25 min.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2061.13	97.11	Initial Hydro-static
2	28.03	96.70	Open To Flow (1)
31	132.64	106.54	Shut-In(1)
61	1183.79	106.36	End Shut-In(1)
62	135.30	106.18	Open To Flow (2)
91	196.36	110.58	Shut-In(2)
127	1178.61	110.42	End Shut-In(2)
129	2002.56	108.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	w cm oil spots 40%w 60% <i>m</i>	0.63
124.00	w cm oil spots 30%w 70% <i>m</i>	1.74
144.00	mud 100% <i>m</i>	2.02

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114

30-15-35w Logan, KS
Harold Michaelis Fa
Job Ticket: 59689 **DST#: 7**
Test Start: 2015.01.23 @ 01:44:01

ATTN: Andrew Stenzel

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 66.00 sec/qt
Water Loss: 9.59 in³
Resistivity: 0.00 ohm.m
Salinity: 7400.00 ppm
Filter Cake: 2.00 inches

Cushion Type: Oil API: 0 deg API
Cushion Length: ft Water Salinity: 32000 ppm
Cushion Volume: bbl
Gas Cushion Type: psig
Gas Cushion Pressure:

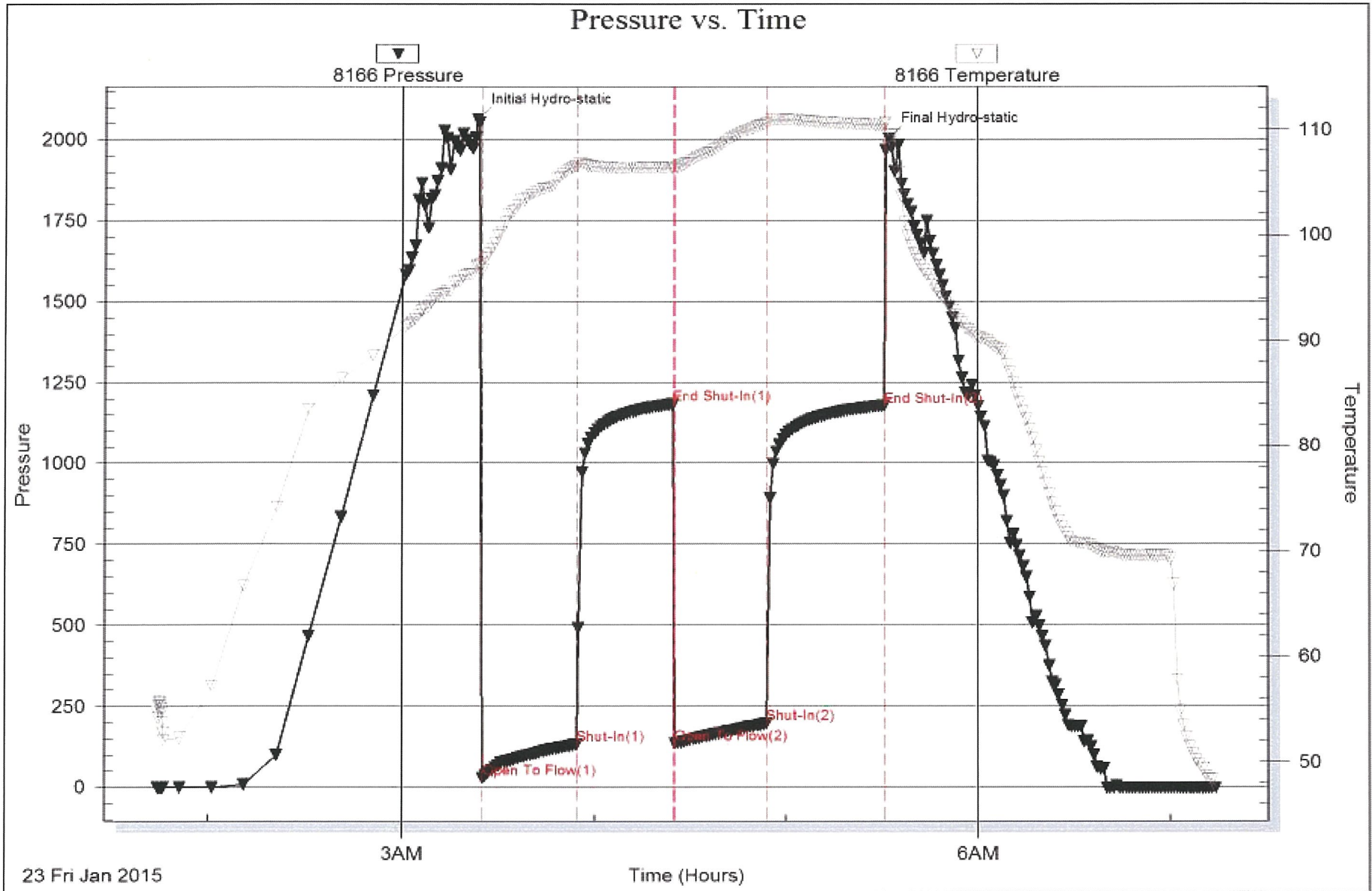
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	w cm oil spots 40%w 60%w	0.628
124.00	w cm oil spots 30%w 70%w	1.739
144.00	mud 100%w	2.020

Total Length: 392.00 ft Total Volume: 4.387 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .27@50=32000





**TRIBOLITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114
ATTN: Andrew Stenzel

30-15-35w Logan, KS
Harold Michalelis Fa
Job Ticket: 59692 **DST#: 10**
Test Start: 2015.01.25 @ 07:44:19

GENERAL INFORMATION:

Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:39:19
Time Test Ended: 14:29:49
Interval: 4394.00 ft (KB) To 4474.00 ft (KB) (TVD)
Total Depth: 4474.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

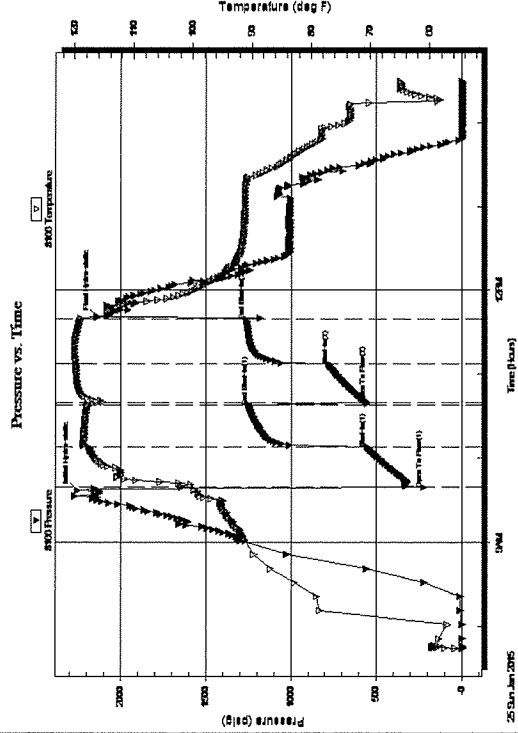
Test Type: Conventional Bottom Hole (Reset)
Tester: Brandon Turley
Unit No: 79
Reference Elevations: 3239.00 ft (KB)
3233.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8166 Outside

Press@RunDepth: 776.14 psig @ 4399.00 ft (KB)
Start Date: 2015.01.25 End Date:
Start Time: 07:44:24 End Time:

Capacity: 8000.00 psig
Last Calib.: 2015.01.25
Time On Btm: 2015.01.25 @ 09:37:19
Time Off Btm: 2015.01.25 @ 11:41:19

TEST COMMENT: IF: BOB in 1 1/2 mins.
IS: BOB in 6 min.
FF: BOB in 2 min.
FS: BOB in 7 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2254.21	99.71	Initial Hydro-static
2	225.01	101.80	Open To Flow (1)
31	554.57	117.66	Shut-in(1)
61	1248.10	117.80	End Shut-in(1)
62	554.89	116.97	Open To Flow (2)
90	776.14	119.81	Shut-in(2)
123	1261.82	119.06	End Shut-in(2)
124	2135.04	116.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mcgo 50%g 10%o 40%m	0.30
124.00	gocm 20%g 30%o 50%m	1.19
1860.00	go 15%g 85%o	26.09
0.00	1116 GJP	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114
ATTN: Andrew Stenzel

30-15-35w Logan, KS
Harold Michaelis Fa
Job Ticket: 59692 **DST#: 10**
Test Start: 2015.01.25 @ 07:44:19

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 7.98 in³
Resistivity: 0.00 ohm.m
Salinity: 6500.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type: psig
Gas Cushion Pressure:

Oil API: 33 deg API
Water Salinity: 0 ppm

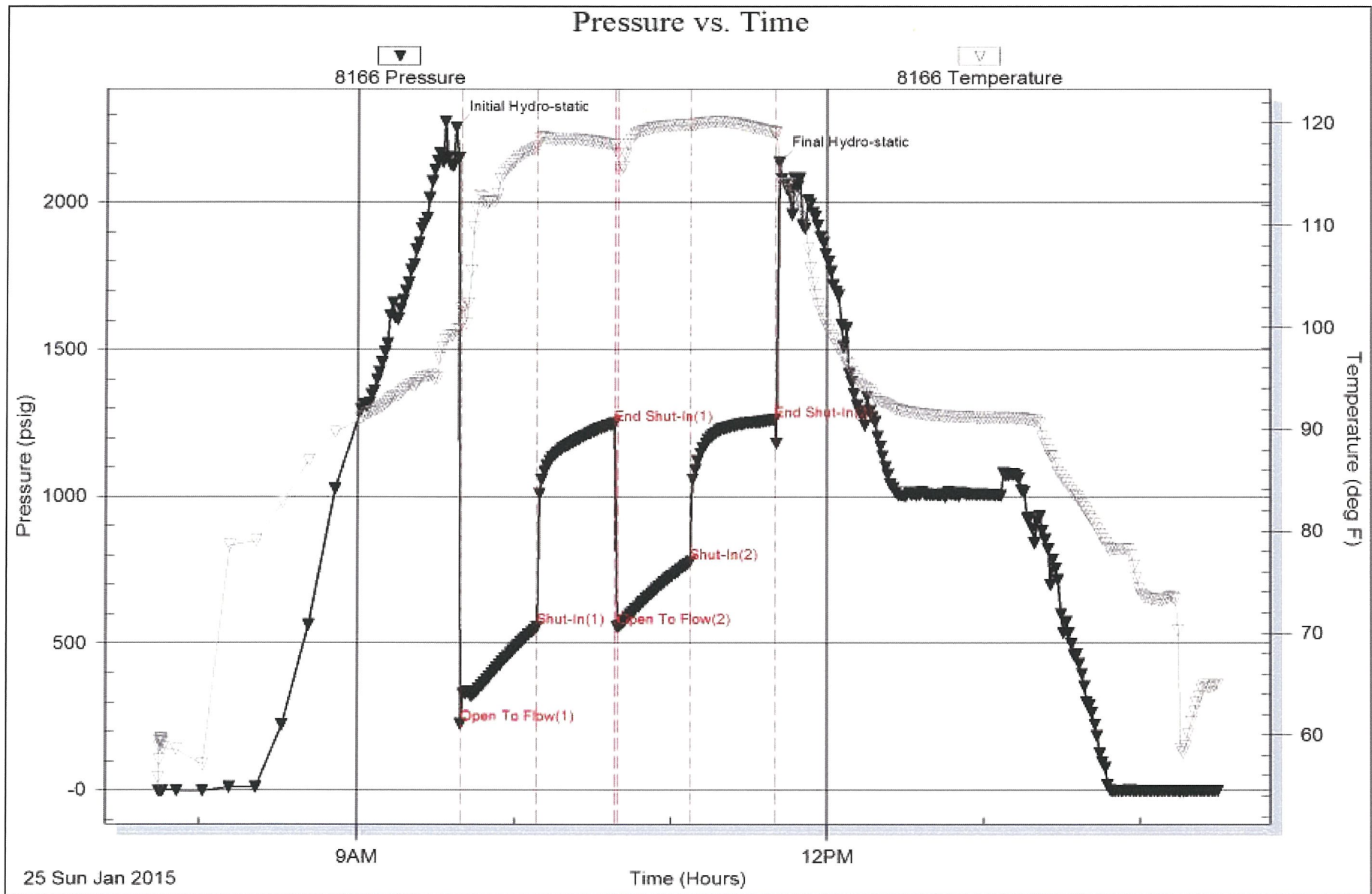
Recovery Information

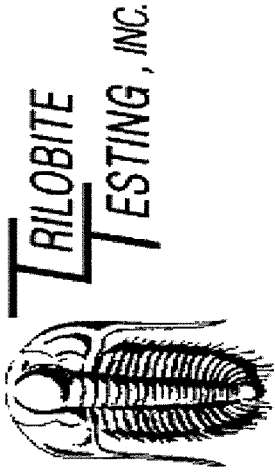
Recovery Table

Length ft	Description	Volume bbl
62.00	mcgo 50%g 10%o 40%m	0.305
124.00	gocm 20%g 30%o 50%m	1.193
1860.00	go 15%g 85%o	26.091
0.00	1116 GIP	0.000

Total Length: 2046.00 ft Total Volume: 27.589 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 34@70=33





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Andrew Stenzel

30-15s-35w Logan,KS

Harold Michaelis Family Trust #1

Start Date: 2015.01.24 @ 14:57:03

End Date: 2015.01.24 @ 20:32:03

Job Ticket #: 59691 DST #: 9

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

Harold Michaelis Family Trust #1

4924 SE 84th St
Newton, KS 67114

30-15s-35w Logan, KS

Job Ticket: 59691 **DST#: 9**

ATTN: Andrew Stenzel

Test Start: 2015.01.24 @ 14:57:03

GENERAL INFORMATION:

Formation: **LKC K - Pleasanton**
 Deviated: No Whipstock:
 Time Tool Opened: 16:43:33
 Time Test Ended: 20:32:03

Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79

Interval: **4272.00 ft (KB) To 4400.00 ft (KB) (TVD)**
 Total Depth: 4400.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches-Hole Condition: Good

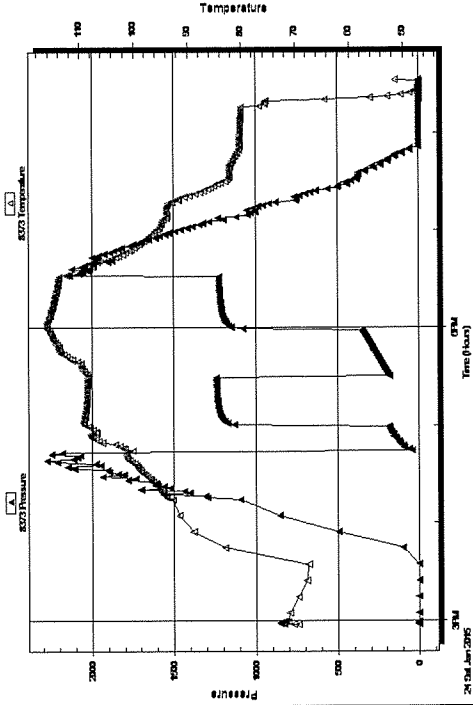
Reference Elevations: 3239.00 ft (KB)
 3233.00 ft (CF)
 6.00 ft
 KB to GRVCF:

Serial #: 8373 **Inside**
 Press@RunDepth: psig @ 4277.00 ft (KB)
 Start Date: 2015.01.24 End Date:
 Start Time: 14:57:35 End Time:

Capacity: 8000.00 psig
 Last Calib.: 2015.01.24
 Time On Btm: 20:32:59
 Time Off Btm:

TEST COMMENT: IF: BOB in 6 min.
 IS: No return.
 FF: BOB in 8 min.
 FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
124.00	w cm 40%w 60% m	0.63
186.00	w cm 30%w 70% m	2.61
186.00	w cm 10%w 90% m	2.61
164.00	mud 100% m	2.30

Gas Rates

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

* Recovery from multiple tests

Trilobite Testing, Inc

Ref. No: 59691

Printed: 2015.01.29 @ 09:53:45



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

Harold Michaelis Family Trust #1

4924 SE 84th St
Newton, KS 67114

30-15s-35w Logan, KS

Job Ticket: 59691 DST#: 9

ATTN: Andrew Stenzel

Test Start: 2015.01.24 @ 14:57:03

Tool Information

Drill Pipe: Length: 4134.00 ft Diameter: 3.80 inches Volume: 57.99 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: 30000.00 lb
 Drill Collar: Length: 122.00 ft Diameter: 2.25 inches Volume: 0.60 bbl Weight to Pull Loose: 75000.00 lb
 Drill Pipe Above KB: 7.00 ft Total Volume: 58.59 bbl Tool Chased 0.00 ft
 Depth to Top Packer: 4272.00 ft String Weight: Initial 60000.00 lb
 Depth to Bottom Packer: ft Final 62000.00 lb
 Interval between Packers: 132.00 ft
 Tool Length: 155.00 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			4250.00	
Shut In Tool	5.00			4255.00	
Hydraulic tool	5.00			4260.00	
Jars	5.00			4265.00	
Safety Joint	2.00			4267.00	
Packer	5.00			4272.00	23.00 Bottom Of Top Packer
Packer - Shale	4.00			4276.00	
Stubb	1.00			4277.00	
Recorder	0.00	8373	Inside	4277.00	
Recorder	0.00	8166	Outside	4277.00	
Perforations	25.00			4302.00	
Change Over Sub	1.00			4303.00	
Drill Pipe	95.00			4398.00	
Change Over Sub	1.00			4399.00	
Bullhose	5.00			4404.00	132.00 Anchor Tool

Total Tool Length: 155.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
Newton, KS 67114

Harold Michaelis Family Trust #1

30-15s-35w Logan,KS

Job Ticket: 59691 **DST#:9**

ATTN: Andrew Stenzel

Test Start: 2015.01.24 @ 14:57:03

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 7.98 in³
Resistivity: 0.00 ohm.m
Salinity: 6500.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type: psig
Gas Cushion Pressure:

Oil API: 0 deg API
Water Salinity: 36000 ppm

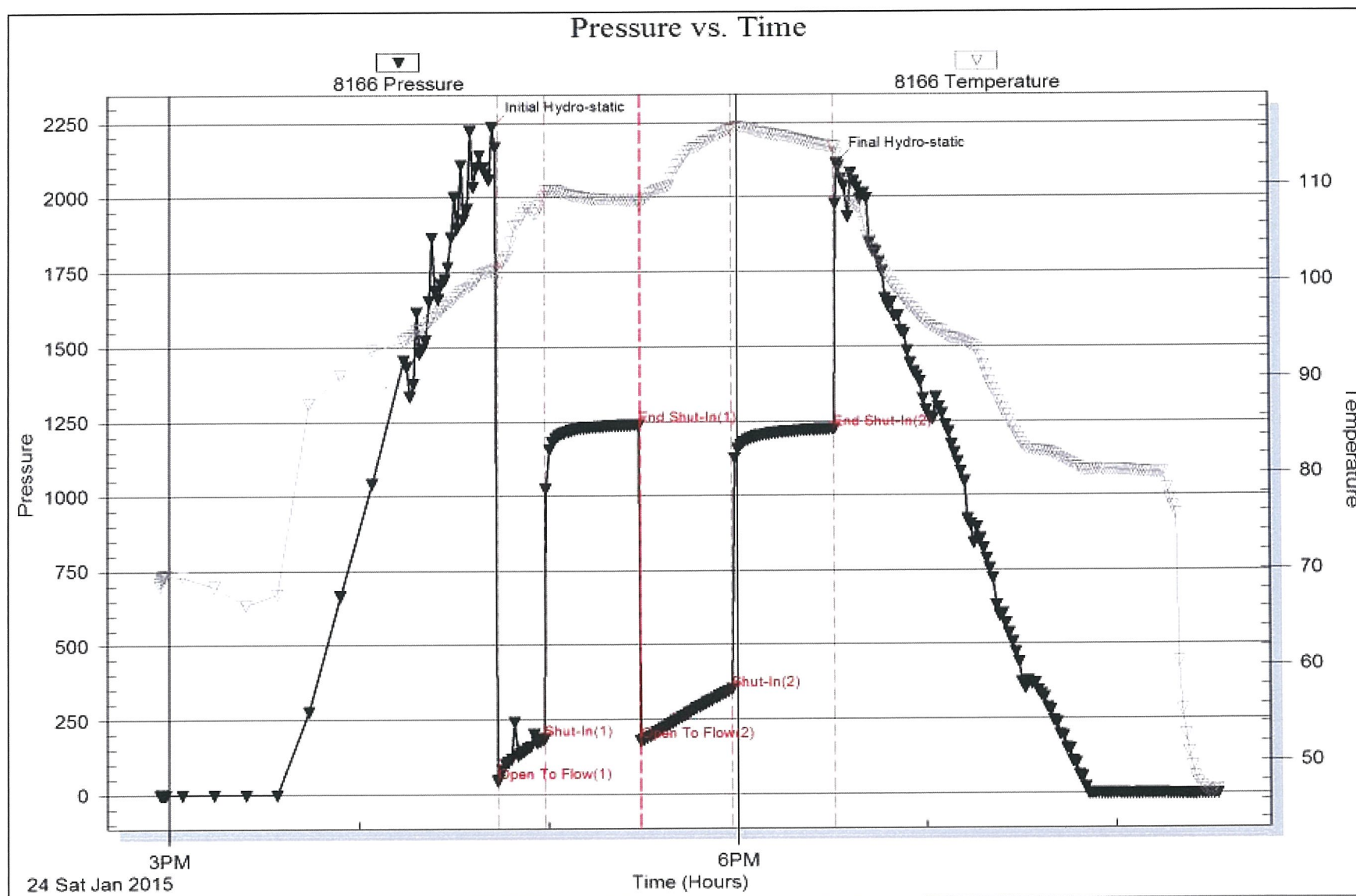
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	w cm 40%w 60%m	0.628
186.00	w cm 30%w 70%m	2.609
186.00	w cm 10%w 90%m	2.609
164.00	mud 100%m	2.300

Total Length: 660.00 ft Total Volume: 8.146 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .27@52=36000



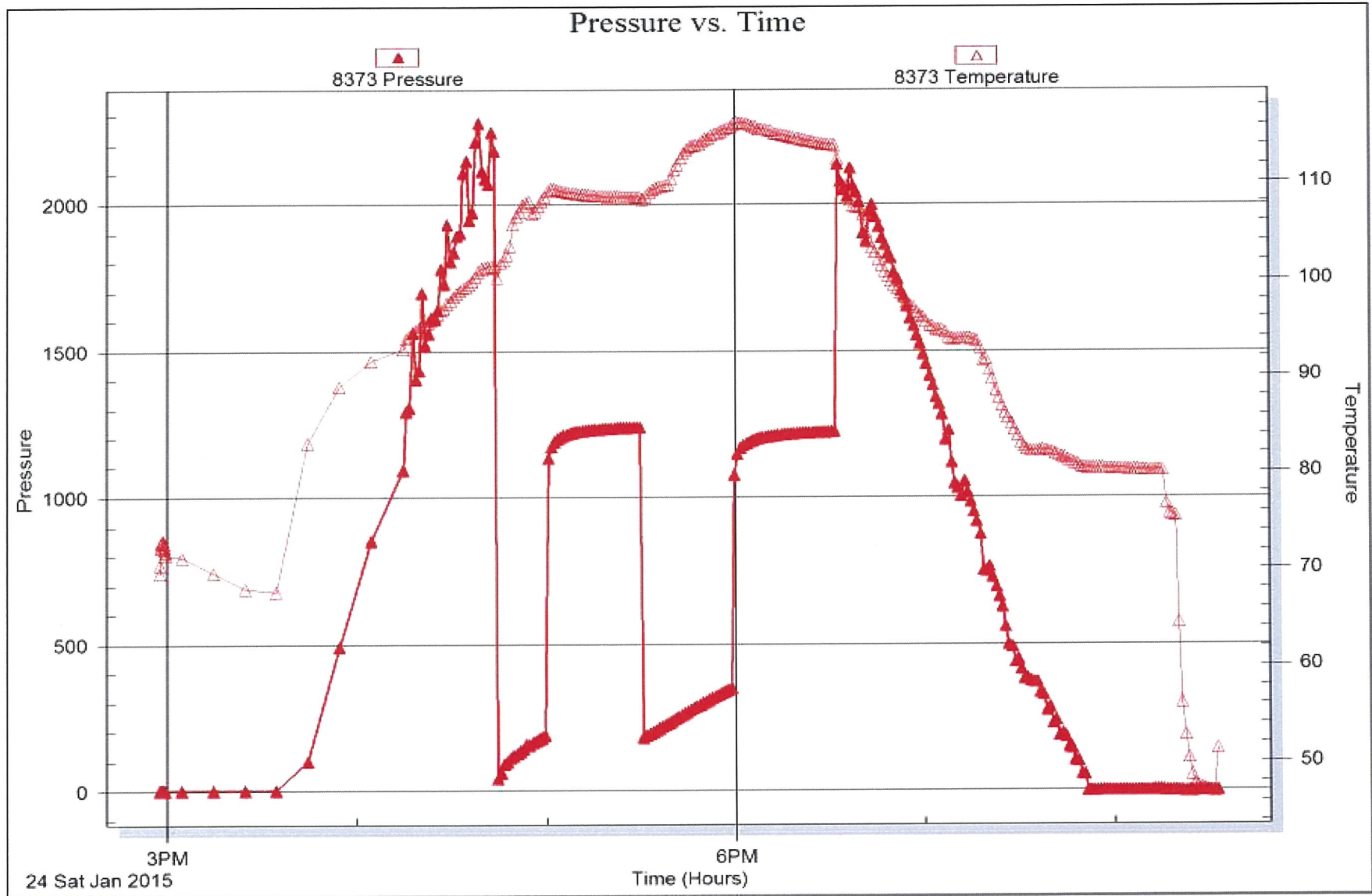
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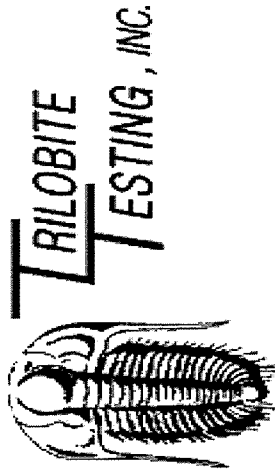
Inside

Palomino Petroleum

30-15s-35w Logan,KS

DST Test Number: 9





DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Andrew Stenzel

30-15s-35w Logan,KS

Harold Michaelis Family Trust #1

Start Date: 2015.01.25 @ 07:44:19

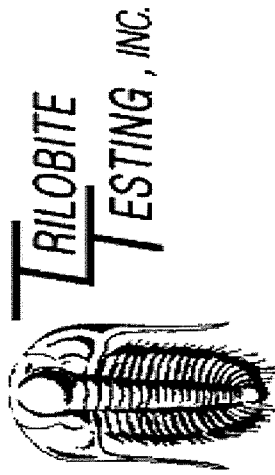
End Date: 2015.01.25 @ 14:29:49

Job Ticket #: 59692 DST #: 10

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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



DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St
Newton, KS 67114

ATTN: Andrew Stenzel

30-15s-35w Logan,KS

Harold Michaelis Family Trust #1

Start Date: 2015.01.23 @ 17:06:20
End Date: 2015.01.23 @ 22:28:20
Job Ticket #: 59690 DST #: 8

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

Harold Michaelis Family Trust #1

4924 SE 84th St
Newton, KS 67114

30-15s-35w Logan,KS

Job Ticket: 59690 **DST#: 8**

ATTN: Andrew Stenzel

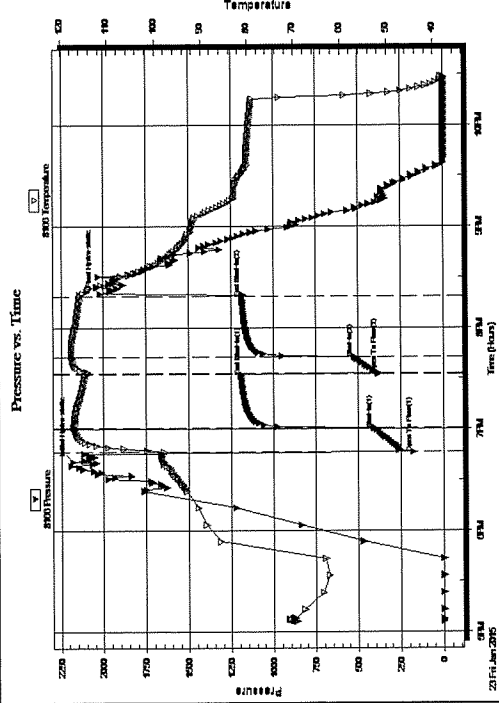
Test Start: 2015.01.23 @ 17:06:20

GENERAL INFORMATION:

Formation: LKc 1 J
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:46:20
 Time Test Ended: 22:28:20
 Interval: **4221.00 ft (KB) To 4279.00 ft (KB) (TVD)**
 Total Depth: 4279.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 3239.00 ft (KB)
 3233.00 ft (CF)
 6.00 ft
 KB to GR/CF:

Serial #: 8166 **Outside**
 Press@RunDepth: 521.88 psig @ 4226.00 ft (KB)
 Start Date: 2015.01.23 End Date: 2015.01.23
 Start Time: 17:06:25 End Time: 22:28:19
 Capacity: 8000.00 psig
 Last Callb.: 2015.01.23
 Time On Btm: 2015.01.23 @ 18:40:50
 Time Off Btm: 2015.01.23 @ 20:20:20

TEST COMMENT: IF: BOB in 1 1/2 mins.
 IS: No return.
 FF: BOB in 2 min.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2180.71	98.08	Initial Hydro-static
6	175.54	97.98	Open To Flow (1)
20	409.04	116.96	Shut-In(1)
52	1189.68	114.79	End Shut-In(1)
52	379.42	114.23	Open To Flow (2)
62	521.88	117.53	Shut-In(2)
98	1188.58	115.89	End Shut-In(2)
100	2020.52	115.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
465.00	water show of oil 100%w	5.41
248.00	mcw 80%w 20%m	3.48
217.00	mcw 20%w 80%m	3.04

Gas Rates

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

* Recovery from multiple tests



DRILL STEM TEST REPORT

TOOL DIAGRAM

Palomino Petroleum

Harold Michaelis Family Trust #1

4924 SE 84th St
Newton, KS 67114

30-15s-35w Logan, KS

Job Ticket: 59690

DST#: 8

ATTN: Andrew Stenzel

Test Start: 2015.01.23 @ 17:06:20

Tool Information

Drill Pipe: Length: 4100.00 ft Diameter: 3.80 inches Volume: 57.51 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: 30000.00 lb
 Drill Collar: Length: 122.00 ft Diameter: 2.25 inches Volume: 0.60 bbl Weight to Pull Loose: 75000.00 lb
 Drill Pipe Above KB: 24.00 ft Total Volume: 58.11 bbl Tool Chased 0.00 ft
 Depth to Top Packer: 4221.00 ft String Weight: Initial 60000.00 lb
 Depth to Bottom Packer: ft Final 64000.00 lb
 Interval between Packers: 62.00 ft
 Tool Length: 85.00 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			4199.00	
Shut In Tool	5.00			4204.00	
Hydraulic tool	5.00			4209.00	
Jars	5.00			4214.00	
Safety Joint	2.00			4216.00	
Packer	5.00			4221.00	23.00 Bottom Of Top Packer
Packer - Shale	4.00			4225.00	
Stubb	1.00			4226.00	
Recorder	0.00	8373	Inside	4226.00	
Recorder	0.00	8166	Outside	4226.00	
Perforations	19.00			4245.00	
Change Over Sub	1.00			4246.00	
Drill Pipe	31.00			4277.00	
Change Over Sub	1.00			4278.00	
Bullnose	5.00			4283.00	62.00 Anchor Tool

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum

Harold Michaelis Family Trust #1

4924 SE 84th St
Newton, KS 67114

30-15s-35w Logan, KS

Job Ticket: 59690 **DST#: 8**

ATTN: Andrew Stenzel

Test Start: 2015.01.23 @ 17:06:20

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 49.00 sec/qt
Water Loss: 8.78 in³
Resistivity: 0.00 ohm.m
Salinity: 6000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type: psig
Gas Cushion Pressure:

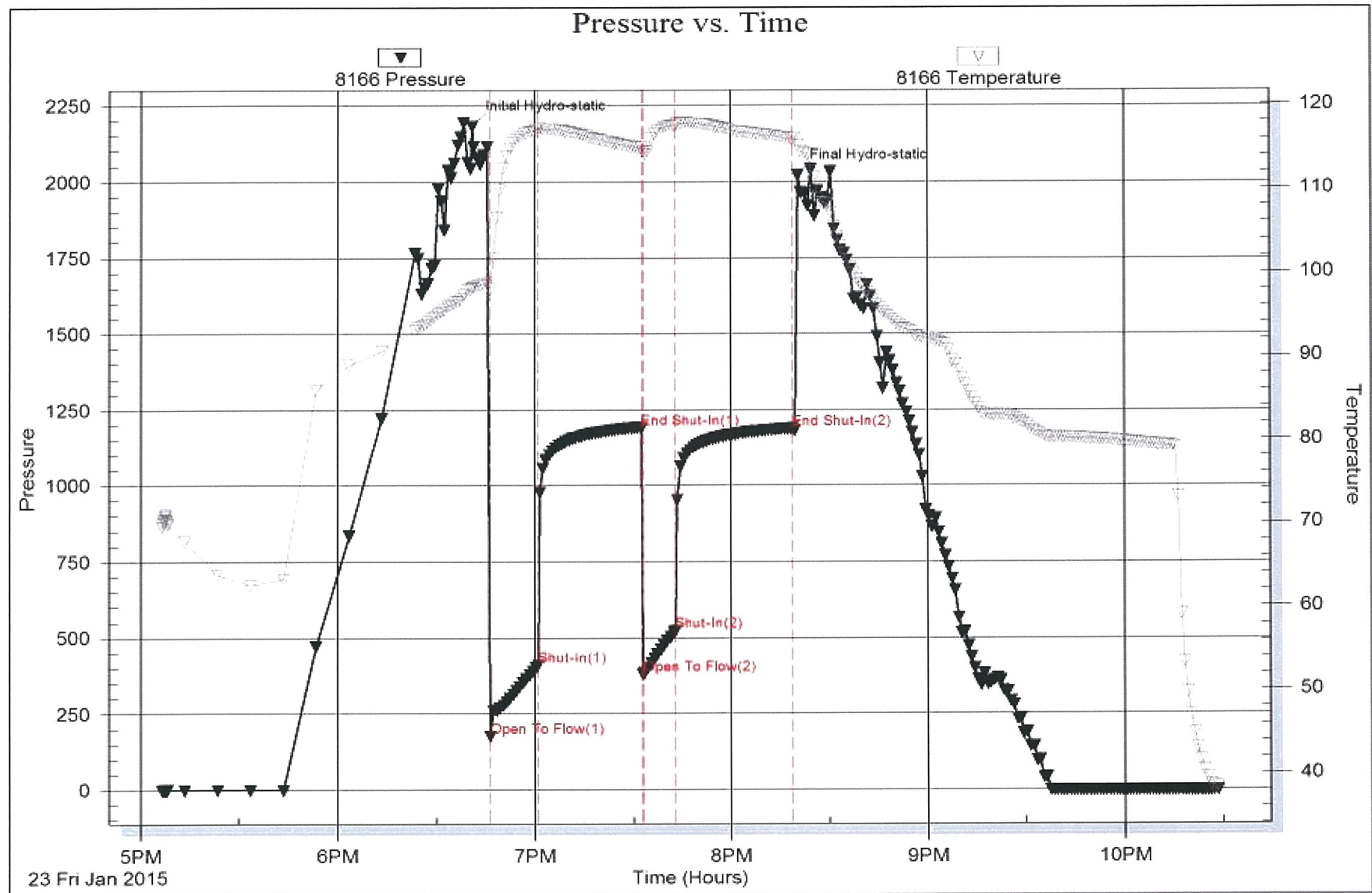
Oil API: 0 deg API
Water Salinity: 28000 ppm

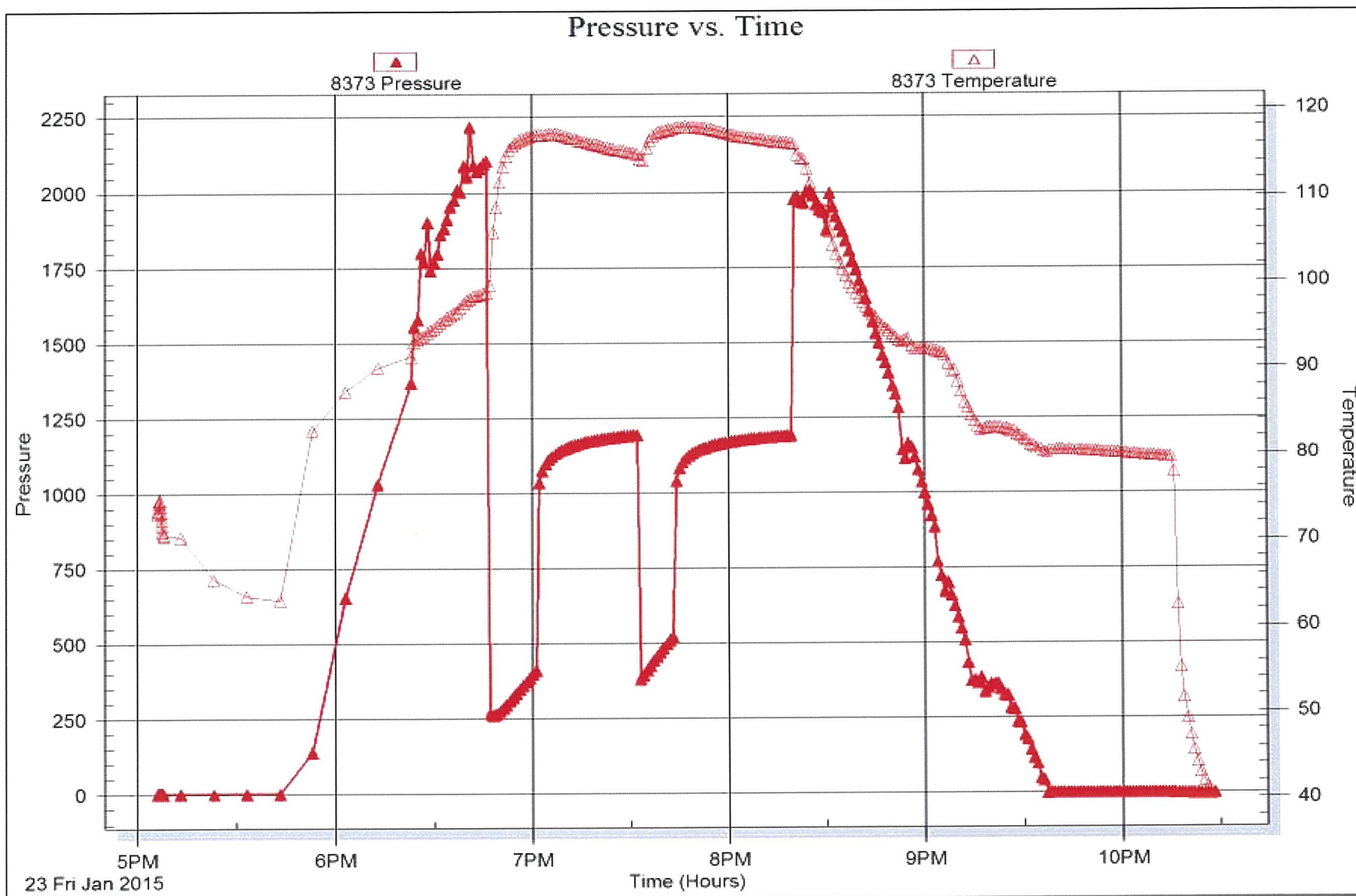
Recovery Information

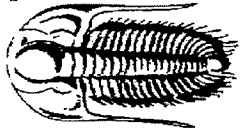
Recovery Table

Length ft	Description	Volume bbl
465.00	water show of oil 100%w	5.411
248.00	mcw 80%w 20%w	3.479
217.00	mcw 20%w 80%w	3.044

Total Length: 930.00 ft Total Volume: 11.934 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: :29@52=28000







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum
 4924 SE 84th St
 New ton, KS 67114
 ATTN: Andrew Stenzel

30-15-35w Logan, KS
Harold Michaleilis Fa
 Job Ticket: 59693 **DST#: 11**
 Test Start: 2015.01.26 @ 11:39:03

GENERAL INFORMATION:

Formation: **Pawnee Ft Scott John**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:22:33
 Time Test Ended: 17:10:03
Interval: 4467.00 ft (KB) To 4686.00 ft (KB) (TVD)
 Total Depth: 4686.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

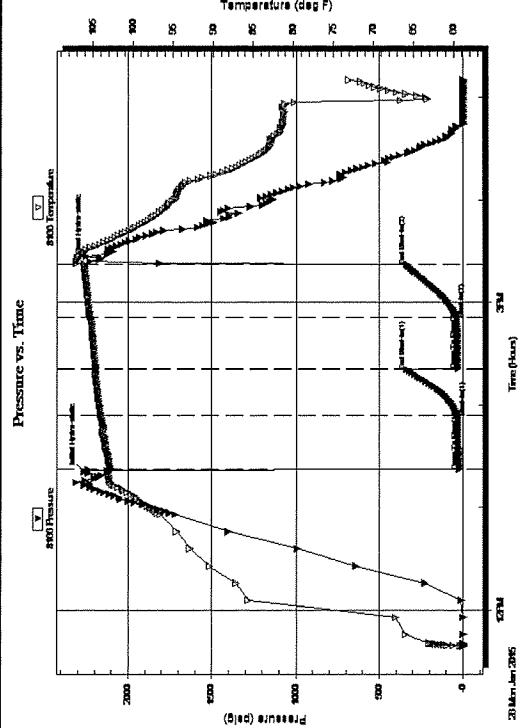
Test Type: Conventional Bottom Hole (Reset)
 Tester: Brandon Turley
 Unit No: 79

Reference Elevations: 3239.00 ft (KB)
 3233.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8166 **Outside**
 Press@RunDepth: 35.38 psig @ 4472.00 ft (KB)
 Start Date: 2015.01.26 End Date:
 Start Time: 11:39:08 End Time:

Capacity: 8000.00 psig
 Last Calib.: 2015.01.26
 Time On Btm: 2015.01.26 @ 13:21:03
 Time Off Btm: 2015.01.26 @ 15:24:03

TEST COMMENT: IF: 1/4 blow died in 8 min.
 IS: No return.
 FF: No blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2263.21	103.14	Initial Hydro-static
2	25.21	102.58	Open To Flow (1)
33	31.65	103.96	Shut-In(1)
60	336.60	104.68	End Shut-In(1)
61	32.06	104.54	Open To Flow (2)
90	35.38	105.24	Shut-In(2)
122	338.67	106.06	End Shut-In(2)
123	2230.24	107.10	Final Hydro-static

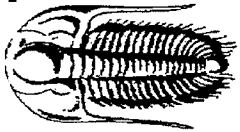
Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100% m	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum
4924 SE 84th St
New ton, KS 67114

30-15-35w Logan, KS

Harold Michaelis Fa

Job Ticket: 59693

DST#: 11

ATTN: Andrew Stenzel

Test Start: 2015.01.26 @ 11:39:03

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 8.79 in³
Resistivity: 0.00 ohm.m
Salinity: 7100.00 ppm
Filter Cake: 1.00 inches

Cushion Type: Oil API: 0 deg API
Cushion Length: ft Water Salinity: 0 ppm
Cushion Volume: bbl
Gas Cushion Type: psig
Gas Cushion Pressure:

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

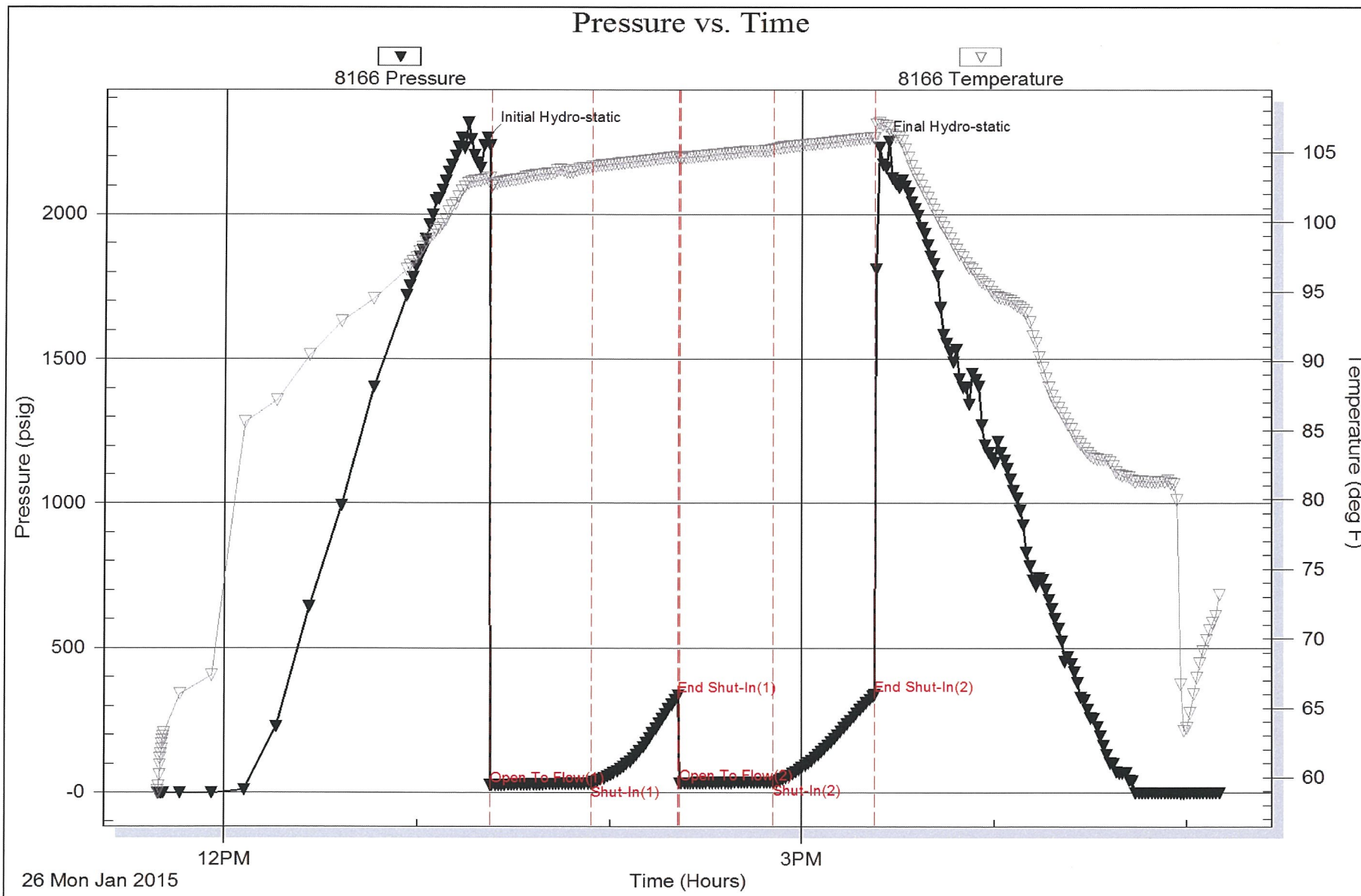
Num Gas Bombs: 0

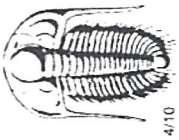
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59683

Well Name & No. Hopold Michigielis Family Trust #1 Test No. 1 Date 1-19-15
 Company Palomino Petroleum Elevation 3239 KB 3233 GL
 Address 4924 SE 84th St Newton, KS 67114
 Co. Rep / Geo. Andrew Stenzel Rig 4W#2
 Location: Sec. 30 Twp. 15 Rge. 35W Co. Logan State KS

Interval Tested 3951 Zone Tested Toronto Mud Wt. 8.8
 Anchor Length 417 Drill Pipe Run 3819 Vis 59
 Top Packer Depth 3946 Drill Collars Run 122 WL 6.4
 Bottom Packer Depth 3951 Wt. Pipe Run --- LCM 2
 Total Depth 3998 Chlorides 4000 ppm System

Blow Description FF: BOB in 2 min.
IS: No return,
FF: BOB in 3 min.
FS: No return,

Rec	Feet of	wcm	%oil	%gas	%water	%mud
Rec 350	Feet of	wcm	30	30	70	%mud
Rec 248	Feet of	MCW	20	20	80	%mud
Rec 806	Feet of	MCW	95	95	5	%mud
Rec	Feet of		%oil	%gas	%water	%mud
Rec	Feet of		%oil	%gas	%water	%mud

Rec Total 1404 BHT 112 Gravity --- API RW 22 @ 63 ° F Chlorides 63,000 ppm
 (A) Initial Hydrostatic 1974 Test 1050 T-On Location 18:00
 (B) First Initial Flow 144 Jars 250 T-Started 20:25
 (C) First Final Flow 576 Safety Joint 75 T-Open 22:22
 (D) Initial Shut-In 1056 Circ Sub NIC T-Pulled 00:22
 (E) Second Initial Flow 428 Hourly Standby --- T-Out 2:35
 (F) Second Final Flow 660 Mileage 100 - 76 Comments on the 69415
 (G) Final Shut-In 1036 Sampler --- 9x 4:00
 (H) Final Hydrostatic 1915 Straddle 250

Initial Open 30 Ruined Shale Packer
 Initial Shut-In 30 Ruined Packer
 Final Flow 30 Extra Copies 0
 Final Shut-In 30 Sub Total 1701
 Total 1701
 MP/DST Disc't ---

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



TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59684

4/10

Well Name & No. Harold Michalek's Family Trust #1 Test No. 2 Date 1-20-15
 Company Palomino Petroleum Elevation 3239 KB 3233 GL
 Address _____
 Co. Rep / Geo. Andrew Stenzel Rig WW #2
 Location: Sec. 30 Twp. 15 Rge. 35W Co. Logan State KS

Interval Tested 3995 4035 Zone Tested Lansing A
 Anchor Length 40 Drill Pipe Run 3855 Mud Wt. 8.8
 Top Packer Depth 3990 Drill Collars Run 122 Vis 54
 Bottom Packer Depth 3995 Wt. Pipe Run --- WL 8.0
 Total Depth 4035 Chlorides 6000 ppm System LCM 2

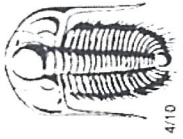
Blow Description IF: BoB in 2 min.
IS: No return,
FF: BoB in 3 min.
FS: No return.

Rec	201	Feet of	wcm	%gas	%oil	40%water	60 %mud
Rec	186	Feet of	mcw	%gas	%oil	90 %water	10 %mud
Rec	496	Feet of	water	%gas	%oil	100%water	%mud
Rec		Feet of		%gas	%oil	%water	%mud
Rec		Feet of		%gas	%oil	%water	%mud

Rec Total 883 BHT 111 Gravity --- API RW .21 @ 63 ° F Chlorides 40,000 ppm
 (A) Initial Hydrostatic 1984 Test 1150 T-On Location 9:30
 (B) First Initial Flow 88 Jars 250 T-Started 9:48
 (C) First Final Flow 274 Safety Joint 75 T-Open 11:12
 (D) Initial Shut-In 1056 Circ Sub NIC T-Pulled 12:42
 (E) Second Initial Flow 289 Hourly Standby _____ T-Out 14:30
 (F) Second Final Flow 420 Mileage 100-76 Comments _____
 (G) Final Shut-In 1050 Sampler _____
 (H) Final Hydrostatic 1915 Straddle _____

Initial Open 15 Shale Packer 250 Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 15 Extra Recorder _____ Extra Copies _____
 Final Shut-In 30 Day Standby _____ Sub Total 0
 Accessibility 1801 Total 1801
 Sub Total 1801 MP/DST Disc't _____

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



TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59685

Well Name & No. Harold Michaelis Family Trust#1 Test No. 3 Date 1-20-15
 Company Parlomino Petroleum Elevation 3239 KB 3233 GL
 Address _____
 Co. Rep / Geo. Andrew Stenzel Rig WW #2
 Location: Sec. 30 Twp. 15 Rge. 35W Co. L09N State Ks

Interval Tested 4032 Zone Tested CRASING C Mud Wt. 8.8
 Anchor Length 30 Drill Pipe Run 3916 Vis 54
 Top Packer Depth 4027 Drill Collars Run 122 WL 8.0
 Bottom Packer Depth 4032 Wt. Pipe Run _____ LCM 2
 Total Depth 4062 Chlorides 6000 ppm System _____

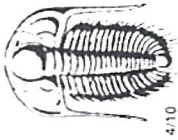
Blow Description ±F; surface blow died in 15 min.
IS: No return.
FF: No return.
FS: No return.

Rec	10	Feet of	mud	%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		Feet of		%gas	%oil	%water	%mud

Rec Total 10 BHT 101 Gravity — API RW — @ — ° F Chlorides — ppm
 (A) Initial Hydrostatic 1977 Test 1150 T-On Location 21:00
 (B) First Initial Flow 15 Jars 250 T-Started 21:48
 (C) First Final Flow 21 Safety Joint 75 T-Open 23:34
 (D) Initial Shut-In 1082 Circ Sub N/C T-Pulled 1:34
 (E) Second Initial Flow 22 Hourly Standby _____ T-Out 3:05
 (F) Second Final Flow 29 Mileage 100-76 Comments _____
 (G) Final Shut-In 1074 Sampler _____
 (H) Final Hydrostatic 1966 Straddle _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 36 Ruined Packer _____
 Final Flow 30 Extra Copies _____
 Final Shut-In 30 Extra Recorder _____
 Sub Total 1551 Total 1551
 Day Standby _____
 Accessibility _____
 Sub Total 1551 MP/DST Disc't _____

Approved By _____ Our Representative _____
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59686

Well Name & No. Harold Michalek's Family Trust #1 Test No. 4 Date 1-21-15
 Company Palomino Petroleum Elevation 3239 KB 3233 GL
 Address _____
 Co. Rep / Geo. Andrew Stenzel Rig WVW #2
 Location: Sec. 30 Twp. 15 Rge. 35W Co. Logan State KS

Interval Tested 4054 4098 Zone Tested Lansing D Mud Wt. 8.9
 Anchor Length 44 Drill Pipe Run 3910 Vis 47
 Top Packer Depth 4049 Drill Collars Run 122 WL 8.0
 Bottom Packer Depth 4054 Wt. Pipe Run _____ LCM Z
 Total Depth 4098 Chlorides 6000 ppm System _____

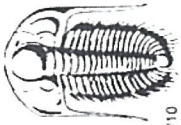
Blow Description IF: Surface blow built to 1 1/4 in 30 min.
IS: No return.
FF: Surface blow built to 1 in 30 min.
FS: No return.

Rec	Feet of	mud	%oil	%gas	%water	%mud
Rec	Feet of	mud	%oil	%gas	%water	%mud
Rec	Feet of	mud	%oil	%gas	%water	%mud
Rec	Feet of	mud	%oil	%gas	%water	%mud
Rec	Feet of	mud	%oil	%gas	%water	%mud
Rec	Feet of	mud	%oil	%gas	%water	%mud

Rec Total 70 BHT 100 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm
 (A) Initial Hydrostatic 2018 Test 1150 T-On Location 9:55
 (B) First Initial Flow 19 Jars 250 T-Started 10:09
 (C) First Final Flow 33 Safety Joint 75 T-Open 11:35
 (D) Initial Shut-In 1103 Circ Sub NIC T-Pulled 13:35
 (E) Second Initial Flow 35 Hourly Standby _____ T-Out 15:02
 (F) Second Final Flow 49 Mileage 100 - 76 Comments _____
 (G) Final Shut-In 1065 Sampler _____
 (H) Final Hydrostatic 1928 Straddle _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 30 Extra Copies _____
 Final Shut-In 30 Extra Recorder _____
 Sub Total 1551 Total 1551
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1551

Approved By _____ Our Representative _____
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TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59687

4/10

Well Name & No. Harold Michaelis Family Trust #1 Test No. 5 Date 1-21-15
 Company Petroleum Elevation 3239 KB 3233 GL
 Address _____
 Co. Rep / Geo. Andrew Stenzel Rig 4WJ#2 State KS
 Location: Sec. 30 Twp. 15 Rge. 35W Co. Logan

Interval Tested 4094 Zone Tested Leasing E
 Anchor Length 22 Drill Pipe Run 3974 Mud Wt. 8.7
 Top Packer Depth 4089 Drill Collars Run 122 Vis 47
 Bottom Packer Depth 4094 Wt. Pipe Run _____ WL 8.0
 Total Depth 4116 Chlorides 6000 ppm System Z LCM _____

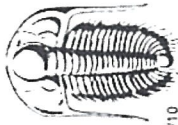
Blow Description IF: Surface blow died in 5 min.
IS: NO return.
FF: No blow.
FS: No return.

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	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 100 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm
 (A) Initial Hydrostatic 2036 Test 1150
 (B) First Initial Flow 15 Jars 250
 (C) First Final Flow 18 Safety Joint 75
 (D) Initial Shut-In 105 Circ Sub NIC
 (E) Second Initial Flow 18 Hourly Standby _____
 (F) Second Final Flow 22 Mileage 100-76
 (G) Final Shut-In 1089 Sampler _____
 (H) Final Hydrostatic 2031 Straddle _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 30 Extra Copies _____
 Final Shut-In 30 Extra Recorder _____
 Sub Total 1551 Total 1551
 Day Standby _____
 Accessibility _____
 MP/DST Disc _____

Approved By _____ Our Representative _____
 Triobite Testing Inc. shall not be liable for damaged 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.



4/10

**TRIOBITE
TESTING INC.**

1515 Commerce Parkway • Hays, Kansas 67601

Test TicketNO. **59688**

Well Name & No. Harold Michajelis Family Trust #1 Test No. 6 Date 1-22-15
 Company Palomino Petroleum Elevation 3239 KB 3233 GL
 Address _____
 Co. Rep / Geo. Andrew Stenzel Rig UW #2 State KS
 Location: Sec. 30 Twp. 15 Rge. 35W Co. L99N

Interval Tested 4094 Zone Tested Lensing F Mud Wt. 9.0
 Anchor Length 52 Drill Pipe Run 3974 Vis 66
 Top Packer Depth 4089 Drill Collars Run 122 WL 9.6
 Bottom Packer Depth 4694 Wt. Pipe Run _____ LCM 2
 Total Depth 4146 Chlorides 7400 ppm System _____

Blow Description IF: Bob in 2 min.FS: No return.FF: Bob in 3 min.FS: No return.Rec 345 Feet of WCM oil spots %oil 30 %water 70 %mudRec 310 Feet of MCW %oil 60 %water 40 %mudRec 372 Feet of MCW %oil 90 %water 10 %mud

Rec _____ Feet of _____ %oil _____ %water _____ %mud
 Rec _____ Feet of _____ %oil _____ %water _____ %mud

Rec Total 1027 BHT 113 Gravity _____ API RW .27 @ 58° F Chlorides 30,000 ppm
 (A) Initial Hydrostatic 2069 Test 1150 T-On Location 10:20

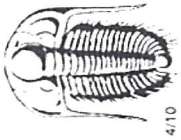
(B) First Initial Flow 119 Jars 250 T-Started 10:35(C) First Final Flow 304 Safety Joint 75 T-Open 13:23(D) Initial Shut-In 1133 Circ Sub NIC T-Pulled 14:53(E) Second Initial Flow 322 Hourly Standby 14-125.00 T-Out 16:40(F) Second Final Flow 486 Mileage 100 - 76(G) Final Shut-In 1120 Sampler _____(H) Final Hydrostatic 1956 Straddle _____Initial Open 15 Shale Packer _____Initial Shut-In 30 Extra Packer _____Final Flow 15 Extra Recorder _____Final Shut-In 30 Day Standby _____

Sub Total 1551 Accessibility _____
 Sub Total 1551 MP/DST Disc _____

Comments written on rig
to slip and cut drilling
line after I got here

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1551
 MP/DST Disc _____

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TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59689

4/10

Well Name & No. Arnold Michrielis Family Trust #7 Test No. 7 Date 1-23-15
 Company Palomino Petroleum Elevation 3239 KB 3233 GL
 Address _____
 Co. Rep / Geo. Andrew Stenzel Rig WJ #2
 Location: Sec. 30 Twp. 15 Rge. 35W Co. L09N State KS

Interval Tested 4152 4204 Zone Tested C-H
 Anchor Length 52 4035 Mud Wt. 9.0
 Top Packer Depth 4147 122 Drill Pipe Run
 Bottom Packer Depth 4152 --- Drill Collars Run
 Total Depth 4204 7400 Wt. Pipe Run
 Chlorides 7400 ppm System LCM 2

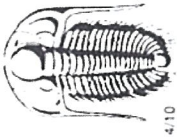
Blow Description IF: BOB in 15 min.
IS: No return.
FF: BOB in 25 min.
F3: No return.

Rec	Feet of	mud	%gas	%oil	%water	%mud
Rec 144	Feet of	mud				100
Rec 124	Feet of	wcm	oil spots	30	70	%mud
Rec 124	Feet of	wcm	oil spots	40	60	%mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Feet of		%gas	%oil	%water	%mud

Rec Total 392 BHT 110 Gravity --- API RW 127 @ 50 ° F Chlorides 32000 ppm
 (A) Initial Hydrostatic 2061 Test 1150 T-On Location 1:20
 (B) First Initial Flow 28 Jars 250 T-Started 1:44
 (C) First Final Flow 132 Safety Joint 75 T-Open 3:25
 (D) Initial Shut-In 1183 Circ Sub N/C T-Pulled 5:25
 (E) Second Initial Flow 135 Hourly Standby T-Out 5:15
 (F) Second Final Flow 196 Mileage 100-76 Comments _____
 (G) Final Shut-In 1178 Sampler _____
 (H) Final Hydrostatic 2002 Straddle _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1551
 MP/DST Disc't _____
 Sub Total 1551

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

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59690

4-10

Well Name & No. Hartold Michaelis Family Trust #1 Test No. 8 Date 1-23-15
 Company Polomino Pet. Elevation 3239 KB 3233 GL
 Address _____
 Co. Rep / Geo. Andrew Stenzel Rig WU #2
 Location: Sec. 30 Twp. 15 Rge. 35W Co. Logan State KS

Interval Tested 4221 4279 Zone Tested Lmsing F-J Mud Wt. 9.1
 Anchor Length 58 Drill Pipe Run 4100 Vis 49
 Top Packer Depth 4216 Drill Collars Run 122 WL 8.8
 Bottom Packer Depth 4221 Wt. Pipe Run _____ LCM 2
 Total Depth 4279 Chlorides 6000 ppm System _____

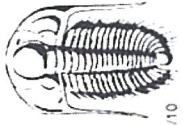
Blow Description FF: BOB 1 1/2 min.
FS: No return,
FF: BOB in 2 min.
FS: NO return,

Rec	217	Feet of	wcm	%gas	%oil	20%	%water	80%	%mud
Rec	248	Feet of	MCW	%gas	%oil	80%	%water	20%	%mud
Rec	465	Feet of	water show of oil	%gas	%oil	100%	%water		%mud
Rec		Feet of		%gas	%oil		%water		%mud
Rec		Feet of		%gas	%oil		%water		%mud

Rec Total 1085 BHT 117 Gravity _____ API RW .29 @ 52 ° F Chlorides 28,000 ppm
 (A) Initial Hydrostatic 2180 Test 1150 T-On Location 16:45
 (B) First Initial Flow 175 Jars 250 T-Started 17:06
 (C) First Final Flow 409 Safety Joint 75 T-Open 18:45
 (D) Initial Shut-In 1189 Circ Sub NIC T-Pulled 20:15
 (E) Second Initial Flow 379 Hourly Standby _____ T-Out 22:30
 (F) Second Final Flow 521 Mileage 100 ~ 76 Comments _____
 (G) Final Shut-In 1188 Sampler _____
 (H) Final Hydrostatic 2020 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____

Initial Open 15 30 Shale Packer 250
 Initial Shut-In _____ Extra Packer _____
 Final Flow 15 30 Extra Recorder _____
 Final Shut-In 30 Day Standby _____
 Sub Total 1801 Accessibility _____
 MP/DST-Disc' _____

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



TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59691

4/10

Well Name & No. Harold Michalcis Family Trust #1 Test No. 9 Date 1-24-15
 Company Palomino Pet Elevation 3239 KB 3233 GL
 Address _____
 Co. Rep / Geo. Andrew Stenzel Rig WW#2
 Location: Sec. 30 Twp. 15 Rge. 35W Co. Logan State KS

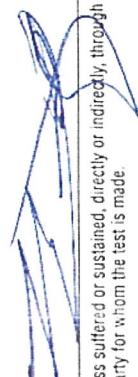
Interval Tested 4272 4400 Zone Tested Leasing k-L Plesyrnton
 Anchor Length 128 Drill Pipe Run 4134 Mud Wt. 9.0
 Top Packer Depth 4267 Drill Collars Run 122 Vis 54
 Bottom Packer Depth 4272 Wt. Pipe Run _____ WL 8.0
 Total Depth 4400 Chlorides 6500 ppm System LCM 2

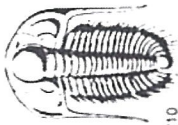
Blow Description IF: BoB in 6 min.
IS: No return.
FF: BoB in 8 min.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
164	mud				100
186	wcm		10		90
186	wcm		30		70
124	wcm		40		60

Rec Total 660 BHT 115 Gravity _____ API RW .27 @ 52° F Chlorides 36,000 ppm
 (A) Initial Hydrostatic 2232 Test 1150 T-On Location 14:30
 (B) First Initial Flow 43 Jars 250 T-Started 14:57
 (C) First Final Flow 185 Safety Joint 75 T-Open 16:44
 (D) Initial Shut-In 1238 Circ Sub NIC T-Pulled 18:29
 (E) Second Initial Flow 177 Hourly Standby _____ T-Out 20:32
 (F) Second Final Flow 349 Mileage 100 - 76 Comments _____
 (G) Final Shut-In 1222 Sampler _____
 (H) Final Hydrostatic 2110 Straddle _____

Initial Open 15 Ruined Shale Packer
 Initial Shut-In 30 Ruined Packer
 Final Flow 30 Extra Copies
 Final Shut-In 30 Sub Total 0
 Total 1801
 MP/DST Disc't
 Sub Total 1801

Approved By _____ Our Representative 
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TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59692

4/10

Well Name & No. Harold Michael's Family Trust #1 Test No. 10 Date 1-25-15
 Company Palomino Pet. Elevation 3239 KB 3233 GL
 Address _____
 Co. Rep / Geo. Andrew Stenzel Rig WUW#2
 Location: Sec. 30 Twp. 15 Rge. 35W Co. Logan State KS

Interval Tested 4394 Zone Tested Marionton
 Anchor Length 80 Drill Pipe Run 4259 Mud Wt. 9.0
 Top Packer Depth 4389 Drill Collars Run 122 Vis 54
 Bottom Packer Depth 4394 Wt. Pipe Run — WL 8.0
 Total Depth 4474 Chlorides 6500 ppm System LCM Z

Blow Description EF: BOB in 1 1/2 min.
IS: BOB in 6 min.
FF: BOB in 2 min.
FS: BOB in 7 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1860</u>	<u>90</u>	<u>15</u>	<u>85</u>		
<u>124</u>	<u>20cm</u>	<u>20</u>	<u>30</u>		<u>50</u>
<u>62</u>	<u>1m90</u>	<u>50</u>	<u>10</u>		<u>40</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2046 BHT 119 Gravity 33 API RW — @ — ° F Chlorides — ppm
 (A) Initial Hydrostatic 2254 Test 1150
 (B) First Initial Flow 225 Jars 250
 (C) First Final Flow 554 Safety Joint 75
 (D) Initial Shut-In 1248 Circ Sub 50.00
 (E) Second Initial Flow 554 Hourly Standby _____
 (F) Second Final Flow 776 Mileage 100 - 76
 (G) Final Shut-In 1261 Sampler _____
 (H) Final Hydrostatic 2135 Straddle 250

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 30 Extra Copies _____
 Final Shut-In 30 Sub Total 1851
 Total _____
 MP/DST Disc _____

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

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 59693

4-10

Well Name & No. Harold Michigielis Family Trust #1 Test No. 11 Date 1-26-15
 Company Palomino Pet Elevation 3239 KB 3233 GL
 Address _____
 Co. Rep / Geo. Andrew Stenzel Rig WU #2
 Location: Sec. 30 Twp. 15 Rge. 35W Co. Logan State KS

Interval Tested 4467 4686 Zone Tested Pawnee, Ft Scott, Johnson
 Anchor Length 219 4352 Drill Pipe Run _____ Mud Wt. 8.9
 Top Packer Depth 4462 122 Drill Collars Run _____ Vis 54
 Bottom Packer Depth 4467 _____ Wt. Pipe Run _____ WL 8.8
 Total Depth 4686 7100 Chlorides _____ ppm System LCM

Blow Description IF: 1/4 blow died in 8 min.
IS: NO return.
FF: No blow.
FS: No return.

Rec	10	Feet of	mud	%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		Feet of		%gas	%oil	%water	%mud

Rec Total 10 BHT _____ Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm
 (A) Initial Hydrostatic 2263 Test 1150
 (B) First Initial Flow 25 Jars 250 T-On Location 11:00
 (C) First Final Flow 31 Safety Joint 75 T-Started 11:39
 (D) Initial Shut-In 336 Circ Sub NIC T-Open 13:22
 (E) Second Initial Flow 32 Hourly Standby _____ T-Pulled 15:22
 (F) Second Final Flow 35 Mileage 100-76 T-Out 17:10
 (G) Final Shut-In 338 Sampler _____
 (H) Final Hydrostatic 2230 Straddle _____

Initial Open 30 Shale Packer 250 Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 30 Extra Recorder _____ Extra Copies _____
 Final Shut-In 30 Day Standby _____ Sub Total 0
 Total 1801
 MP/DST Disc't _____
 Sub Total 1801

Approved By [Signature] Our Representative [Signature]
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