



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1236685
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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 SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- 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 ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - _____

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1236685

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 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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
----------------	-------	---------	------------	---

Date of First, Resumed Production, SWD or ENHR.	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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Palomino Petroleum, Inc.
Well Name	Betz-Kleweno 1
Doc ID	1236685

Tops

Name	Top	Datum
Anhy.	1488	(+ 737)
Base Anhy.	1521	(+ 704)
Heebner	3698	(-1473)
Lansing	3746	(-1521)
BKC	4062	(-1837)
Pawnee	4161	(-1936)
Ft. Scott	4240	(-2015)
Cherokee Sh.	4260	(-2035)
Miss.	4323	(-2098)
LTD	4353	(-2128)



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



RECEIVED

SEP 25 2014

Invoice

DATE	INVOICE #
9/22/2014	26592

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Betz-Kleweno	Ness	Express Well Serv...	Oil	Development	Cement Port Collar	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				20	Miles	6.00	120.00
576D-D	Pump Charge - Port Collar				1	Job	1,500.00	1,500.00
330	Swift Multi-Density Standard (MIDCON II)				140	Sacks	18.50	2,590.00T
276	Flocele				50	Lb(s)	2.50	125.00T
290	D-Air				2	Gallon(s)	42.00	84.00T
104	Port Collar Tool Rental				1	Each	250.00	250.00T
581D	Service Charge Cement				175	Sacks	2.00	350.00
582D	Minimum Drayage Charge				1	Each	250.00	250.00
	Subtotal							5,269.00
	Sales Tax Ness County						6.15%	187.51
We Appreciate Your Business!							Total	\$5,456.51



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



RECEIVED

SEP 13 2014

Invoice

DATE	INVOICE #
9/10/2014	26584

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

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Betz-Kleweno	Ness	WW Drilling	Oil	Development	Cement LongStri...	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				20	Miles	6.00	120.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
403-5	5 1/2" Cement Basket				2	Each	300.00	600.00T
404-5	5 1/2" Port Collar				1	Each	2,900.00	2,900.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	275.00	275.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	375.00	375.00T
409-5	5 1/2" Turbolizer				9	Each	90.00	810.00T
330	Swift Multi-Density Standard (MIDCON II)				125	Sacks	18.50	2,312.50T
325	Standard Cement				100	Sacks	14.50	1,450.00T
284	Calseal				5	Sack(s)	35.00	175.00T
283	Salt				500	Lb(s)	0.20	100.00T
285	CFR-1				50	Lb(s)	4.50	225.00T
276	Flocele				50	Lb(s)	2.50	125.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
290	D-Air				3	Gallon(s)	42.00	126.00T
581D	Service Charge Cement				225	Sacks	2.00	450.00
582D	Minimum Drayage Charge				1	Each	250.00	250.00
	Subtotal							12,518.50
	Sales Tax Ness County						6.15%	627.21

We Appreciate Your Business!

Total

\$13,145.71



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 26584

CUSTOMER *Poland Petroleum* WELL *Betz Keweenaw #1* DATE *10 SEP 14* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT		
		LOC	ACCT	DF			QTY	UM	QTY	UM				
330						SMD cement	125	SK				18.50	2312.50	
335						Standard cement (For #2)	100	SK				14.50	1450.00	
384						calseal	500	LB	5	SK		35.00	175.00	
283						salt	500	LB				0.20	100.00	
285						CFR-1	50	LB				4.50	225.00	
276						Floccle	50	LB				2.50	125.00	
281						mud flush	500	gal				1.25	625.00	
221						Kel Liquid	4	gal				25.00	100.00	
290						D-air	3	gal				42.00	126.00	
588						Driver (m.w)	1	hr				230.00	230.00	
581						Service Charge						2.00	450.00	
MILEAGE CHARGE							TOTAL WEIGHT	2294	LOADED MILES	2256	CUBIC FEET	1	TON MILES	
CONTINUATION TOTAL													5999.50	

JOB LOG

SWIFT Services, Inc.

DATE 10 SEP 14 PAGE NO.

CUSTOMER Palladin Petroleum WELL NO. #1 LEASE Betz-Kleweno JOB TYPE Cement long string TICKET NO. 26584

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								125 sk SMD cement w/ #1/4 Floccle 100 sk SA-2 cement w/ #1/4 Floccle 5 1/2" x 14" casing 104 joints 4346' TD = 4353 Cement logs 1, 3, 5, 7, 9, 11, 13, 15, 67 Arbit 2, 68 Port collar #88 1492'
	2030							on loc TRK 114
	2145							start 5 1/2" x 14" casing in well
11 SEP	0015							Drop ball - circulate - ROTATE
	0115	4	12				200	Pump 500 gal mud flush
		4	20				200	Pump 20 bbl KCL flush
	0124		7					Plug RH - 30sk
	0128	4	38				200	Mix SMD cement 95sk @ 12.8 ppg
		4	23				200	Mix SA-2 cement 100sk @ 15.3 ppg
								Drop latch down plug wash out pump & line
	0156	6					200	Displace plug { 74 bbl - pressure jump to 1200 psi - slow rate - 3 bpm - 1000
		6	100				1200	
	0215	6	105				1500	Land plug { 86 bbl - break back 6 bpm 1000
	0217							Release pressure to truck - dried up
	0220							wash truck
								Rack up
	0250							Job complete Thanks Flint, Blaine, & Jared



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

RECEIVED

SEP 13 2014 MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # 270906

Invoice Date: 09/11/2014 Terms: 10/10/10,n/30

Page 1

PALOMINO PETROLEUM, INC.
4924 SE 84TH STREET
NEWTON KS 67114-8827
() -

BETZ-KLEWENO #1
14-19-22
46725
09/04/2014
KS

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	165.00	18.5500	3060.75
1102	CALCIUM CHLORIDE (50#)	465.00	.9400	437.10
1118A	S-5 GEL/ BENTONITE (50#)	310.00	.2700	83.70

Sublet Performed	Description	Total
9995-130	CEMENT EQUIPMENT DISCOUNT	-168.50
9996-130	CEMENT MATERIAL DISCOUNT	-358.15

Description	Hours	Unit Price	Total
397 TON MILEAGE DELIVERY	1.00	430.00	430.00
399 CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
399 EQUIPMENT MILEAGE (ONE WAY)	20.00	5.25	105.00

Amount Due 5486.82 if paid after 09/21/2014

Parts:	3581.55	Freight:	.00	Tax:	198.24	AR	4938.14
Labor:	.00	Misc:	.00	Total:	4938.14		
Sublt:	-526.65	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC

270906

TICKET NUMBER 46725
LOCATION Oakley KS
FOREMAN Dane Retzlaff

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
9-4-14	6285	Betz-Kleweno #1	14	19	22	Ness, KS	
CUSTOMER		Bazineks 2 west 3 1/2 South East into		TRUCK #	DRIVER	TRUCK #	DRIVER
Mailing Address		Palomino		398	Mike		
CITY		STATE	ZIP CODE	397	Rob		
					Bill		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 217 CASING SIZE & WEIGHT 8 5/8 24 LBS
 CASING DEPTH 217 DRILL PIPE 4.5 TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gall/sk 6.5 CEMENT LEFT in CASING 20
 DISPLACEMENT 12.54 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting. Rig up on WW#10. Break circulation. Mix 165 sks Class A cement
3% cc 2% gel. Displace 12.5 BBLs of water. Wash up. Shut in.
Cement did circulate

Thanks Dane + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401s	1	PUMP CHARGE	1150.00	1150.00
5406	20	MILEAGE	5.25	105.00
5407a	7.75	Ton Mileage Delivery (min)	1.75	430.00
1104s	165 sks	Class A cement	18.55	3060.75
110Z	465	Calcium Chloride	.94	437.10
1118A	310	Bentonite	83.70	83.70
			sub	5266.55
			less 10%	5200.10
			Total	4739.90
			SALES TAX	198.24
			ESTIMATED TOTAL	4938.14

Ravin 3737

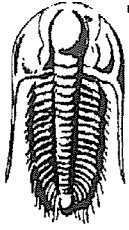
AUTHORIZATION _____

[Signature]

TITLE T.P.

DATE 8-9-14

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Palomino Petroleum Inc
 4924 SE 84th st
 New ton Ks 67114-8827

14-19s-22w Ness

Betz-Kleweno #1

Job Ticket: 60876

DST#: 1

ATTN: K.Robert Watchous,A.

Test Start: 2014.09.09 @ 07:45:10

GENERAL INFORMATION:

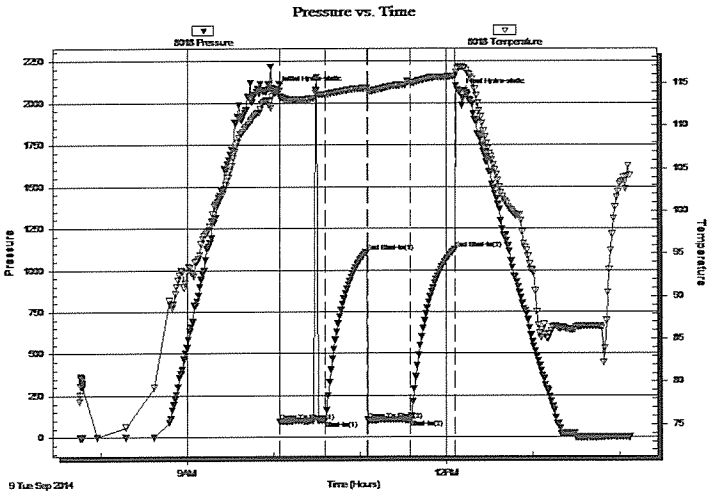
Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:04:05
 Time Test Ended: 14:06:34
 Interval: **4256.00 ft (KB) To 4346.00 ft (KB) (TVD)**
 Total Depth: 4346.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 2225.00 ft (KB)
 2220.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8018

Inside

Press@RunDepth: 103.74 psig @ 4258.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.09.09 End Date: 2014.09.09 Last Calib.: 2014.09.09
 Start Time: 07:45:10 End Time: 14:06:34 Time On Btm: 2014.09.09 @ 10:01:05
 Time Off Btm: 2014.09.09 @ 12:09:04

TEST COMMENT: 30-IFP-w k bl, 1/4", flushed tool
 30-ISIP-no bl slid tool approx 20'to bottom
 30-FFP-no bl
 30-FSIP-no bl



PRESSURE SUMMARY

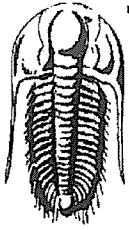
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2075.96	113.91	Initial Hydro-static
3	95.13	113.42	Open To Flow (1)
35	101.71	113.61	Shut-In(1)
64	1105.69	114.41	End Shut-In(1)
64	102.42	113.93	Open To Flow (2)
94	103.74	115.06	Shut-In(2)
125	1121.62	115.79	End Shut-In(2)
128	2061.12	116.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mud w/show of oil	0.59
20.00	SOCM 4%O96%M	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palomino Petroleum Inc

14-19s-22w Ness

4924 SE 84th st
New ton Ks 67114-8827

Betz-Kleweno #1

Job Ticket: 60876

DST#: 1

ATTN: K.Robert Watchous,A.

Test Start: 2014.09.09 @ 07:45:10

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.93 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
120.00	Mud w/show of oil	0.590
20.00	SOCM 4%O96%M	0.281

Total Length: 140.00 ft

Total Volume: 0.871 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

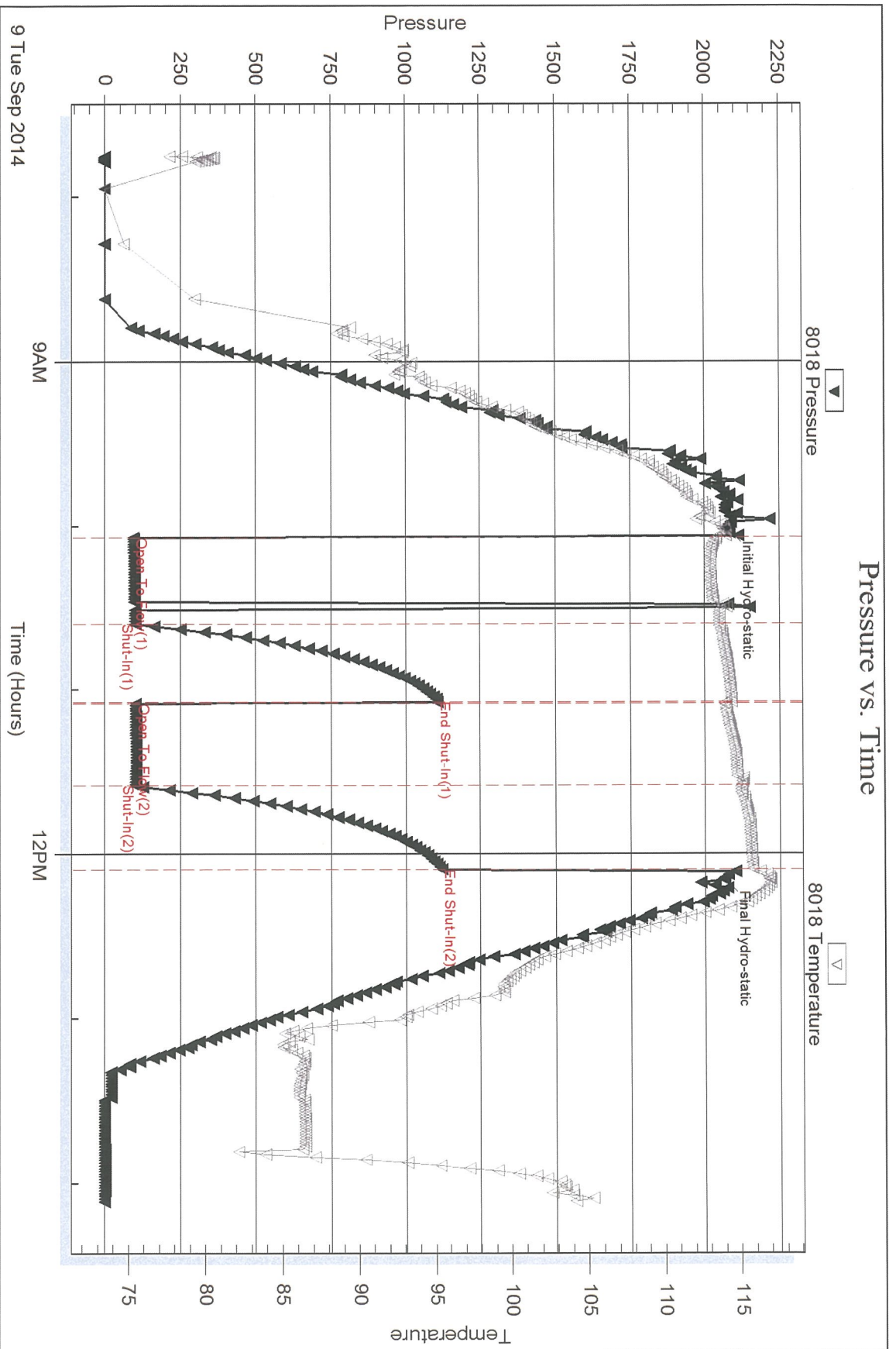
Serial #: 8018

Inside

Palomino Petroleum Inc

Betz-Kew eno #1

DST Test Number: 1



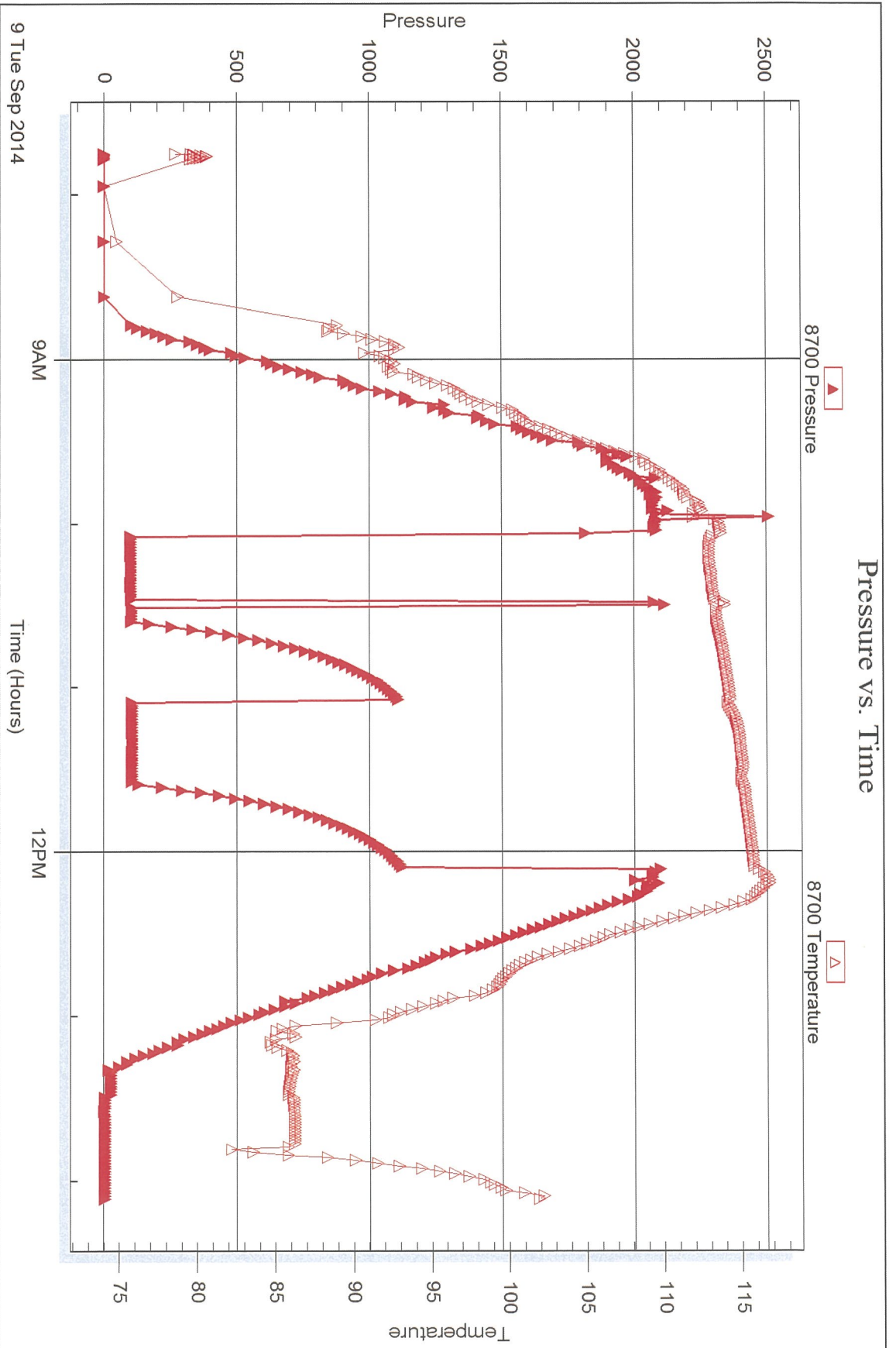
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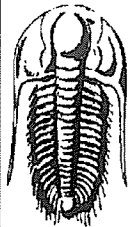
Outside

Palomino Petroleum Inc

Betz-Klew eno #1

DST Test Number: 1





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palomino Petroleum Inc

14-19s-22w Ness

4924 SE 84th st
New ton Ks 67114-8827

Betz-Kleweno #1

Job Ticket: 60877

DST#: 2

ATTN: K.Robert Watchous,A.

Test Start: 2014.09.09 @ 21:35:59

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:39:54

Time Test Ended: 05:22:53

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: **4344.00 ft (KB) To 4353.00 ft (KB) (TVD)**

Reference Elevations: 2225.00 ft (KB)

Total Depth: 4353.00 ft (KB) (TVD)

2220.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8018 Inside

Press@RunDepth: 921.64 psig @ 4345.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.09

End Date: 2014.09.10

Last Calib.: 2014.09.10

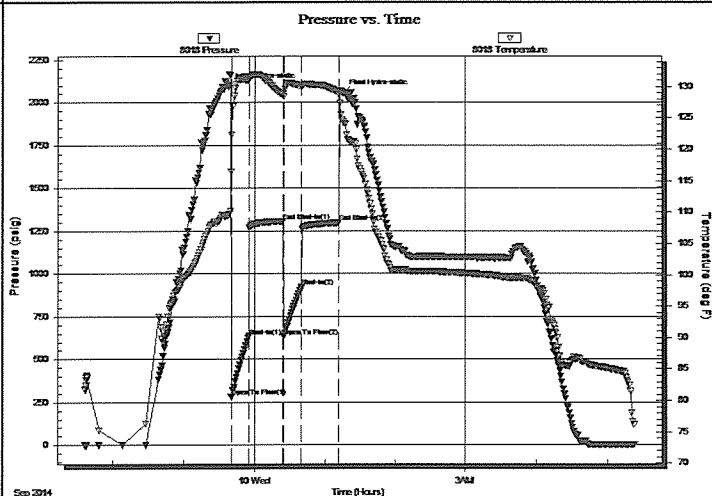
Start Time: 21:35:59

End Time: 05:22:53

Time On Btm: 2014.09.09 @ 23:37:24

Time Off Btm: 2014.09.10 @ 01:15:24

TEST COMMENT: 15-IFP-strg bl in 1 min
30-ISIP-strg bl bk in 9min
15-FFP-strg bl thru-out
30-FSIP-strg bl in 9min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2092.75	109.55	Initial Hydro-static
3	280.96	116.47	Open To Flow (1)
18	633.66	131.00	Shut-In(1)
47	1306.95	128.72	End Shut-In(1)
47	633.13	128.39	Open To Flow (2)
63	921.64	130.04	Shut-In(2)
94	1297.59	128.79	End Shut-In(2)
98	2053.65	124.35	Final Hydro-static

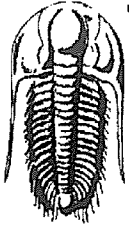
Recovery

Length (ft)	Description	Volume (bbl)
0.00	990' GIP	0.00
120.00	MGO 20%G15%M65%O	0.59
2320.00	Clean Oil	32.54

* 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 Inc

14-19s-22w Ness

4924 SE 84th st
New ton Ks 67114-8827

Betz-Kleweno #1

Job Ticket: 60877

DST#: 2

ATTN: K.Robert Watchous,A.

Test Start: 2014.09.09 @ 21:35:59

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

41 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	990' GIP	0.000
120.00	MGO 20%G15%M65%O	0.590
2320.00	Clean Oil	32.544

Total Length: 2440.00 ft

Total Volume: 33.134 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8018

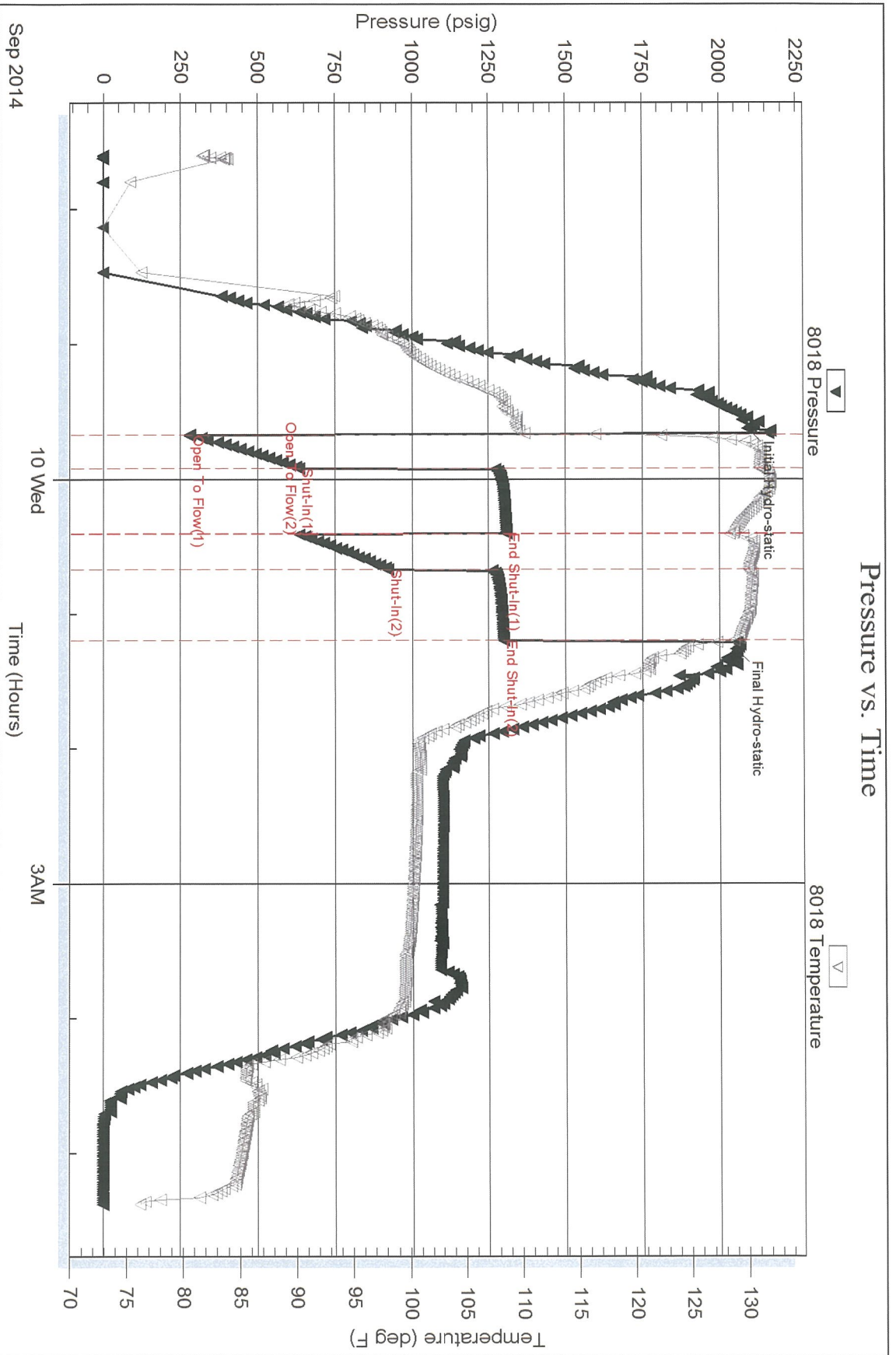
Inside

Palomino Petroleum Inc

Betz-Klew eno #1

DST Test Number: 2

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 60877

Printed: 2014.09.10 @ 06:51:57

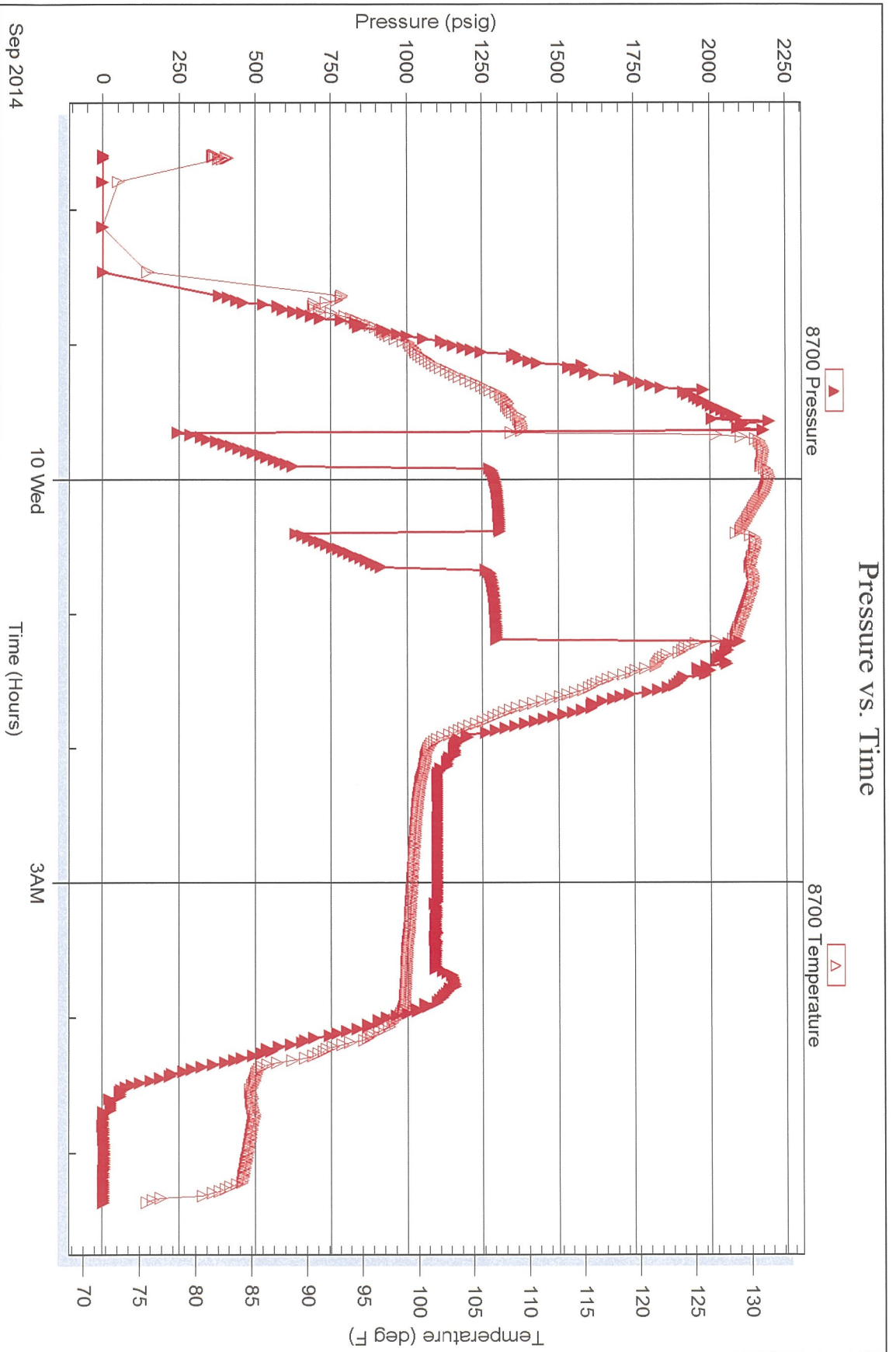
Serial #: 8700

Outside

Palomino Petroleum Inc

Betz-Klew eno #1

DST Test Number: 2



Tribolite Testing, Inc

Ref. No: 60877

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